GORDIAN®

Job Order Contract Construction Task Catalog®

CSI Divisions 01-46 June 2026

BuyBoard® Texas

Area A - Rio Grande Valley

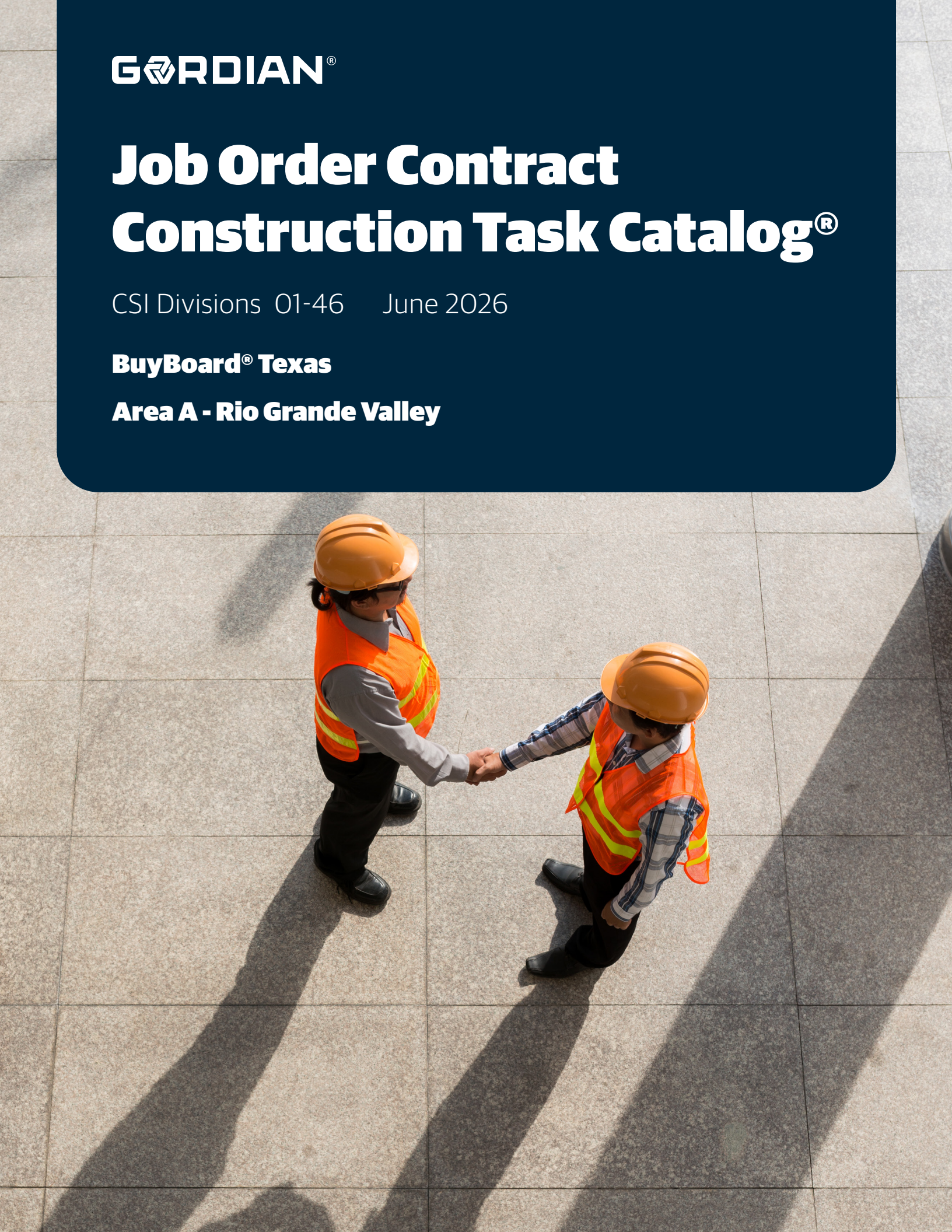

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CTC Information:

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.
- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

Business Costs:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
  - home office overhead
  - insurance, bonds, and indemnification
  - project meetings, training, management and supervision
  - mobilization and close-out for the contract and each Job Order and
  - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Employee or Subcontractor’s wage rates that exceed the prevailing wage rates.

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- ☑ Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.
- ☑ Administrative fees associated with cooperative purchasing.

Construction Related Costs:

- ☑ Services required to obtain filings and permits.
- ☑ Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Office trailer and portable toilets for Contractor's use.
- ☑ Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- ☑ Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner security requirements.
- ☑ Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).
- ☑ Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- ☑ Daily clean-up.
- ☑ Final professional project clean-up.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Costs resulting from productivity loss.
- ☑ Differences in project size; complexity and location.
- ☑ All costs for other than discreet items of work specifically required to complete a particular Job Order.

Price Variations:

- ☑ Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

General Costs:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.

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☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor

☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

Working Height:

☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.

☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

Field Engineering:

☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

Assemblies:

☑ Assembly unit prices take precedence over individual component pricing.

Testing:

☑ Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

Miscellaneous:

☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.

☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and

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exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix.	3380	2370	3720

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(75% E/ 25% R)			
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2)height
- Surface Area = 2 π radius^2+(2 π radius)height

Sphere

- Volume = (4 π radius^3) / 3

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- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents Note: For specification publishing. Review specifications for requirements.	0.00	

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	1.00	

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.13	
		For Foreperson, Add	*3.56*	
		For Apprentice, Deduct	*-14.23*	
01 22 20 00-0003	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	61.10	
		For Foreperson, Add	*3.06*	
		For Apprentice, Deduct	*-12.22*	
01 22 20 00-0004	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	74.21	
		For Foreperson, Add	*3.71*	
		For Apprentice, Deduct	*-14.84*	
01 22 20 00-0005	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	59.71	
		For Foreperson, Add	*2.99*	
		For Apprentice, Deduct	*-11.94*	
01 22 20 00-0006	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	49.95	
		For Foreperson, Add	*2.50*	
		For Apprentice, Deduct	*-9.99*	
01 22 20 00-0007	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	49.95	
		For Foreperson, Add	*2.50*	
		For Apprentice, Deduct	*-9.99*	
01 22 20 00-0008	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	46.00	
		For Foreperson, Add	*2.30*	
		For Apprentice, Deduct	*-9.20*	
01 22 20 00-0009	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	40.87	
		For Foreperson, Add	*2.04*	
		For Apprentice, Deduct	*-8.17*	
01 22 20 00-0010	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	43.26	
		For Foreperson, Add	*2.16*	
		For Apprentice, Deduct	*-8.65*	
01 22 20 00-0011	HR	Equipment Operator, (Crane) Heavy Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	58.40	
		For Foreperson, Add	*2.92*	
01 22 20 00-0012	HR	Equipment Operator, (Bulldozer) Medium Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	58.38	
		For Foreperson, Add	*2.92*	
		For Apprentice, Deduct	*-11.68*	
01 22 20 00-0013	HR	Equipment Operator, (Backhoe, Skid-Steer Loader) Light Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	46.05	
		For Foreperson, Add	*2.30*	
		For Apprentice, Deduct	*-9.21*	
01 22 20 00-0014	HR	Glazier Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	45.08	
		For Foreperson, Add	*2.25*	
		For Apprentice, Deduct	*-9.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0015	HR	Laborer	43.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.18*	
		For Apprentice, Deduct	*-8.73*	
01 22 20 00-0016	HR	Lather	48.24	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.41*	
		For Apprentice, Deduct	*-9.65*	
01 22 20 00-0017	HR	Marble Setter	60.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.04*	
		For Apprentice, Deduct	*-12.15*	
01 22 20 00-0018	HR	Millwright	49.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.48*	
		For Apprentice, Deduct	*-9.92*	
01 22 20 00-0019	HR	Painter, Ordinary	40.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.04*	
		For Apprentice, Deduct	*-8.17*	
01 22 20 00-0020	HR	Painter, Structural Steel	41.06	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.05*	
		For Apprentice, Deduct	*-8.21*	
01 22 20 00-0021	HR	Paperhanger	40.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.04*	
		For Apprentice, Deduct	*-8.17*	
01 22 20 00-0022	HR	Pile Drivers	48.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.42*	
		For Apprentice, Deduct	*-9.67*	
01 22 20 00-0023	HR	Plasterer	49.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.49*	
		For Apprentice, Deduct	*-9.98*	
01 22 20 00-0024	HR	Plumber	73.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.68*	
		For Apprentice, Deduct	*-14.71*	
01 22 20 00-0025	HR	Powderman	52.91	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.65*	
		For Apprentice, Deduct	*-10.58*	
01 22 20 00-0026	HR	Rodman (Reinforcing)/Ornamental Steel Worker	47.52	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.38*	
		For Apprentice, Deduct	*-9.50*	
01 22 20 00-0027	HR	Roofer, Composite	53.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.70*	
		For Apprentice, Deduct	*-10.79*	
01 22 20 00-0028	HR	Roofer, Tile/Slate	53.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.70*	
		For Apprentice, Deduct	*-10.79*	
01 22 20 00-0029	HR	Sheet Metal Worker	64.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.23*	
		For Apprentice, Deduct	*-12.91*	
01 22 20 00-0030	HR	Sprinkler Installer	79.41	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.97*	
		For Apprentice, Deduct	*-15.88*	
01 22 20 00-0031	HR	Steam / Pipe Fitter	73.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.68*	
		For Apprentice, Deduct	*-14.71*	
01 22 20 00-0032	HR	Stone Mason	59.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.99*	
		For Apprentice, Deduct	*-11.94*	
01 22 20 00-0033	HR	Structural Steel Worker	47.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*2.40*	
		For Apprentice, Deduct	*-9.59*	
01 22 20 00-0034	HR	Tile Layer	60.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.03*	
		For Apprentice, Deduct	*-12.11*	
01 22 20 00-0035	HR	Terrazzo Worker	60.57	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.03*	
		For Apprentice, Deduct	*-12.11*	
01 22 20 00-0036	HR	Truck Driver, Light	59.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.00*	
		For Apprentice, Deduct	*-12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037	HR	Truck Driver, Heavy Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	67.71	
		For Foreperson, Add	*3.39*	
		For Apprentice, Deduct	*-13.54*	
01 22 20 00-0038	HR	Welder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	47.97	
		For Foreperson, Add	*2.40*	
		For Apprentice, Deduct	*-9.59*	
01 22 20 00-0039	HR	Class I Diver Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	74.33	
01 22 20 00-0040	HR	Class III Diver Tender Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	52.91	

01 22 20 00-0041 Rates For Services *(01 22 20)*

01 22 20 00-0042	HR	Watch/Guard Person, Unarmed Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	28.02	
01 22 20 00-0043	HR	Watch/Guard Person, Armed Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	34.39	
01 22 20 00-0044	HR	Certified Industrial Hygienist Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	98.15	
01 22 20 00-0045	HR	Senior Surveyor, Party Chief Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	41.62	
01 22 20 00-0046	HR	Surveyor, Instrument Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	34.88	
01 22 20 00-0047	HR	Surveyor, Rod Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	28.95	
01 22 20 00-0048	HR	On-Site Certified Materials Testing Technician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.72	
01 22 20 00-0049	MI	Mileage For Professional Services (Engineering, Surveying, etc.) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.72	
01 22 20 00-0050	DAY	Gas Detection Service To Monitor The Project Site For The Presence Of Gas Note: Includes equipment, project manager, notices and reports.	374.39	

01 22 20 00-0051 Rates For Project Management Services *(01 22 20)*

Note: Includes subcontracted rates with burden and mark-up

01 22 20 00-0052	HR	Project Manager Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	160.00	

01 22 20 00-0053 Rates For Architectural And Engineering Services *(01 22 20)*

Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up

01 22 20 00-0054	HR	Principal Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	243.12	
01 22 20 00-0055	HR	Senior Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	179.38	
01 22 20 00-0056	HR	Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	140.62	
01 22 20 00-0057	HR	Principal Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	210.00	
01 22 20 00-0058	HR	Senior Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	174.12	
01 22 20 00-0059	HR	Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	137.00	
01 22 20 00-0060	HR	Draft Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.88	

01 22 20 00-0061 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0062	DAY	Pilot Vehicle With Driver Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	729.80	
01 22 20 00-0063	HR	Flagperson For Traffic Control	43.65	

01 22 20 00-0064 Maintenance Crews *(01 22 20)*

Note: Includes one person crew, small tools and truck. Minimum of 2 hours per service call. Labor rates include base rate, fringe, an allowance for payroll taxes and insurance. See CSI section 01 22 20 00-0001 for apprentice assistance or laborers use.

01 22 20 00-0065	HR	Maintenance Electrician With Truck And Tools Note: This task will be used specifically for maintenance service calls.	83.15	
		For Material Supplies On Each Service Call, Add	*10.00*	
01 22 20 00-0066	HR	Maintenance Carpenter Worker With Truck And Tools Note: This task will be used specifically for maintenance service calls.	86.45	
		For Material Supplies On Each Service Call, Add	*10.00*	
01 22 20 00-0067	HR	Maintenance Masonry Worker With Truck And Tools Note: This task will be used specifically for maintenance service calls.	110.69	
		For Material Supplies On Each Service Call, Add	*10.00*	
01 22 20 00-0068	HR	Maintenance Plumber With Truck And Tools Note: This task will be used specifically for maintenance service calls.	131.47	
		For Material Supplies On Each Service Call, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0069	HR	Maintenance HVAC/Refrigeration Worker With Truck And Tools Note: This task will be used specifically for maintenance service calls.	153.39	
		For Material Supplies On Each Service Call, Add	*10.00*	
01 22 20 00-0070	HR	Maintenance Roofer Worker With Truck And Tools Note: This task will be used specifically for maintenance service calls.	119.08	
		For Material Supplies On Each Service Call, Add	*10.00*	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0061 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	442.59	
		For Four-Wheel Drive, Add	*99.58*	
		For Half Day Usage, Deduct	*-138.31*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,113.61	
		For Four-Wheel Drive, Add	*250.56*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,498.48	
		For Four-Wheel Drive, Add	*562.16*	
		For >6 Months (>26 Weeks), Deduct	*-99.94*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	649.60	
		For Four-Wheel Drive, Add	*146.16*	
		For Half Day Usage, Deduct	*-203.00*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,549.05	
		For Four-Wheel Drive, Add	*348.54*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,390.79	
		For Four-Wheel Drive, Add	*762.93*	
		For >6 Months (>26 Weeks), Deduct	*-135.63*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,263.51	
		For Four-Wheel Drive, Add	*284.29*	
		For Half Day Usage, Deduct	*-394.85*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,062.42	
		For Four-Wheel Drive, Add	*689.04*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,424.65	
		For Four-Wheel Drive, Add	*1,445.55*	
		For >6 Months (>26 Weeks), Deduct	*-256.99*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,798.90	
		For Four-Wheel Drive, Add	*404.75*	
		For Half Day Usage, Deduct	*-562.16*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,331.64	
		For Four-Wheel Drive, Add	*974.62*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	10,793.41	
		For Four-Wheel Drive, Add	*2,428.52*	
		For >6 Months (>26 Weeks), Deduct	*-431.74*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,191.52	
		For Four-Wheel Drive, Add	*493.09*	
		For Half Day Usage, Deduct	*-684.85*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,589.45	
		For Four-Wheel Drive, Add	*1,257.63*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	12,706.53	
		For Four-Wheel Drive, Add	*2,858.97*	
		For >6 Months (>26 Weeks), Deduct	*-508.26*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	456.39	
		For Half Day Usage, Deduct	*-142.62*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,145.12	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,754.94	
		For >6 Months (>26 Weeks), Deduct	*-110.20*	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	580.86	
		For Half Day Usage, Deduct	*-181.52*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,269.59	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,151.58	
		For >6 Months (>26 Weeks), Deduct	*-126.06*	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	746.82	
		For Half Day Usage, Deduct	*-233.38*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,725.98	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,858.57	
		For >6 Months (>26 Weeks), Deduct	*-154.34*	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,302.79	
		For Half Day Usage, Deduct	*-407.12*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,070.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,466.54	
		For >6 Months (>26 Weeks), Deduct	*-298.66*	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,530.89	
		For Half Day Usage, Deduct	*-790.90*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,974.56	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	14,604.48	
		For >6 Months (>26 Weeks), Deduct	*-584.18*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	456.39	
		For Half Day Usage, Deduct	*-142.62*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,145.12	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,754.94	
		For >6 Months (>26 Weeks), Deduct	*-110.20*	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	456.39	
		For Half Day Usage, Deduct	*-142.62*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,145.12	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,754.94	
		For >6 Months (>26 Weeks), Deduct	*-110.20*	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	564.26	
		For Half Day Usage, Deduct	*-176.33*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,219.81	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	3,028.77	
		For >6 Months (>26 Weeks), Deduct	*-121.15*	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	564.26	
		For Half Day Usage, Deduct	*-176.33*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,219.81	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	3,028.77	
		For >6 Months (>26 Weeks), Deduct	*-121.15*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	174.16	
		For Half Day Usage, Deduct	*-54.43*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	348.33	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	712.48	
		For >6 Months (>26 Weeks), Deduct	*-28.50*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	190.00	
		For Half Day Usage, Deduct	*-59.38*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	379.99	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	759.98	
		For >6 Months (>26 Weeks), Deduct	*-30.40*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	245.41	
		For Half Day Usage, Deduct	*-76.69*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	490.82	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,052.89	
		For >6 Months (>26 Weeks), Deduct	*-42.12*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	316.66	
		For Half Day Usage, Deduct	*-98.96*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	625.40	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,385.39	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	340.41	
		For Half Day Usage, Deduct	*-106.38*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	664.99	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,504.14	
		For >6 Months (>26 Weeks), Deduct	*-60.17*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	443.32	
		For Half Day Usage, Deduct	*-138.54*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,100.39	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,063.69	
		For >6 Months (>26 Weeks), Deduct	*-122.55*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	410.18	
		For Four-Wheel Drive, Add	*82.04*	
		For Half Day Usage, Deduct	*-128.18*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	802.12	
		For Four-Wheel Drive, Add	*160.42*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,959.72	
		For Four-Wheel Drive, Add	*391.94*	
		For >6 Months (>26 Weeks), Deduct	*-78.39*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	419.29	
		For Four-Wheel Drive, Add	*83.86*	
		For Half Day Usage, Deduct	*-131.03*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	957.08	
		For Four-Wheel Drive, Add	*191.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,096.45	
		For Four-Wheel Drive, Add	*419.29*	
		For >6 Months (>26 Weeks), Deduct	*-83.86*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	464.86	
		For Four-Wheel Drive, Add	*92.97*	
		For Half Day Usage, Deduct	*-145.27*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,066.46	
		For Four-Wheel Drive, Add	*213.29*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,369.90	
		For Four-Wheel Drive, Add	*473.98*	
		For >6 Months (>26 Weeks), Deduct	*-94.80*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	492.21	
		For Four-Wheel Drive, Add	*98.44*	
		For Half Day Usage, Deduct	*-153.82*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,148.49	
		For Four-Wheel Drive, Add	*229.70*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	2,825.65	
		For Four-Wheel Drive, Add	*565.13*	
		For >6 Months (>26 Weeks), Deduct	*-113.03*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	920.62	
		For Four-Wheel Drive, Add	*184.12*	
		For Half Day Usage, Deduct	*-287.69*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,023.53	
		For Four-Wheel Drive, Add	*404.71*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	4,976.79	
		For Four-Wheel Drive, Add	*995.36*	
		For >6 Months (>26 Weeks), Deduct	*-199.07*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	145.75	
		For Half Day Usage, Deduct	*-45.55*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	412.95	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	833.99	
		For >6 Months (>26 Weeks), Deduct	*-33.36*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	202.42	
		For Half Day Usage, Deduct	*-63.26*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	429.14	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,457.46	
		For >6 Months (>26 Weeks), Deduct	*-58.30*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	340.07	
		For Half Day Usage, Deduct	*-106.27*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	825.89	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,412.91	
		For >6 Months (>26 Weeks), Deduct	*-96.52*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	364.36	
		For Half Day Usage, Deduct	*-113.86*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	906.86	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,728.69	
		For >6 Months (>26 Weeks), Deduct	*-109.15*	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	194.33	
		For Half Day Usage, Deduct	*-60.73*	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	388.66	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	777.31	
		For >6 Months (>26 Weeks), Deduct	*-31.09*	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	194.33	
		For Half Day Usage, Deduct	*-60.73*	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	388.66	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	808.08	
		For >6 Months (>26 Weeks), Deduct	*-32.32*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,240.66	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-489.28*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	4,805.41	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	17,074.59	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-213.49*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,329.62	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-517.08*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	5,091.34	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	17,837.07	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-243.99*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,558.36	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-588.56*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	5,504.35	
		For Equipment Without Operator, Deduct	*-2,708.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	18,726.63	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-279.58*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,066.68	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-747.41*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	7,156.39	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	23,174.43	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-457.49*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,320.84	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-826.84*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	8,045.95	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	26,351.43	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-584.57*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,447.92	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-866.55*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	8,427.19	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	26,656.42	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-596.77*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	171.38	
		For Half Day Usage, Deduct	*-53.56*	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	514.15	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,428.19	
		For >6 Months (>26 Weeks), Deduct	*-57.13*	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	205.66	
		For Half Day Usage, Deduct	*-64.27*	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	605.55	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,713.82	
		For >6 Months (>26 Weeks), Deduct	*-68.55*	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	274.21	
		For Half Day Usage, Deduct	*-85.69*	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	616.98	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,359.63	
		For >6 Months (>26 Weeks), Deduct	*-54.39*	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	388.47	
		For Half Day Usage, Deduct	*-121.40*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	982.59	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,342.23	
		For >6 Months (>26 Weeks), Deduct	*-93.69*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	863.77	
		For Half Day Usage, Deduct	*-269.93*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,079.44	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,182.61	
		For >6 Months (>26 Weeks), Deduct	*-207.30*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,039.72	
		For Half Day Usage, Deduct	*-324.91*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,559.31	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,284.02	
		For >6 Months (>26 Weeks), Deduct	*-251.36*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,039.72	
		For Half Day Usage, Deduct	*-324.91*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,559.31	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,284.02	
		For >6 Months (>26 Weeks), Deduct	*-251.36*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,211.10	
		For Half Day Usage, Deduct	*-378.47*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,714.70	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,239.20	
		For >6 Months (>26 Weeks), Deduct	*-289.57*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,508.17	
		For Half Day Usage, Deduct	*-471.30*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,393.37	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	9,049.00	
		For >6 Months (>26 Weeks), Deduct	*-361.96*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	83.80	
		For Half Day Usage, Deduct	*-26.19*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	344.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,040.00	
		For >6 Months (>26 Weeks), Deduct	*-41.60*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	8.87	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	22.88	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	126.09	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	1.76	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	61.19	
		For Half Day Usage, Deduct	*-19.12*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	254.33	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	704.03	
		For >6 Months (>26 Weeks), Deduct	*-28.16*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	77.41	
		For Half Day Usage, Deduct	*-24.19*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	320.68	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	939.93	
		For >6 Months (>26 Weeks), Deduct	*-37.60*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	99.52	
		For Half Day Usage, Deduct	*-31.10*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	423.89	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,186.89	
		For >6 Months (>26 Weeks), Deduct	*-47.48*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	13.30	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	19.19	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	214.55	

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	3,889.28	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,302.98*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	16,024.21	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator	59,009.50	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,955.58*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	823.33	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-344.87*	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	3,412.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	13,045.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-117.00*	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	960.83	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-387.84*	
01 22 23 00-0185	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	4,435.39	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0186	MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	14,588.78	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-178.75*	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	967.08	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-389.79*	
01 22 23 00-0188	WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	4,029.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0189	MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	14,888.78	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-190.75*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	879.58	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-362.45*	
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,479.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	13,426.28	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-132.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,142.08	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-444.48*	
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,010.39	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	15,101.28	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-199.25*	
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,204.58	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-464.01*	
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,404.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	16,201.28	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-243.25*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	118.75	
		For Half Day Usage, Deduct	*-37.11*	
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	343.75	
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,012.50	
		For >6 Months (>26 Weeks), Deduct	*-40.50*	
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	150.00	
		For Half Day Usage, Deduct	*-46.88*	
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	418.75	
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,781.25	
		For >6 Months (>26 Weeks), Deduct	*-71.25*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	910.83	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-372.21*	
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	3,747.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	14,307.53	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-167.50*	
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,048.33	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-415.18*	
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	4,122.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	15,345.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-209.00*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	710.83	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-309.71*	
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,047.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	11,995.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-75.00*	
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	804.58	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-339.01*	
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,329.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	12,745.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-105.00*	
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	867.08	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-358.54*	
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,516.64	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	13,245.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-125.00*	
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	948.33	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-383.93*	
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,754.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	13,863.78	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-149.75*	
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,110.83	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-434.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,229.14	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0229	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	15,120.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-200.00*	

01 22 23 00-0230 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA	Placement And Removal Of Steel Roadway Plates	34.22	
01 22 23 00-0232	DAY	1" x 4' x 8' Steel Plate	46.44	
01 22 23 00-0233	WK	1" x 4' x 8' Steel Plate	109.66	
01 22 23 00-0234	MO	1" x 4' x 8' Steel Plate	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0235	DAY	1" x 4' x 10' Steel Plate	61.92	
01 22 23 00-0236	WK	1" x 4' x 10' Steel Plate	139.33	
01 22 23 00-0237	MO	1" x 4' x 10' Steel Plate	170.29	
		For >6 Months (>26 Weeks), Deduct	*-6.81*	
01 22 23 00-0238	DAY	1" x 5' x 10' Steel Plate	64.50	
01 22 23 00-0239	WK	1" x 5' x 10' Steel Plate	145.78	
01 22 23 00-0240	MO	1" x 5' x 10' Steel Plate	387.03	
		For >6 Months (>26 Weeks), Deduct	*-15.48*	
01 22 23 00-0241	DAY	1" x 6' x 8' Steel Plate	41.28	
01 22 23 00-0242	WK	1" x 6' x 8' Steel Plate	92.89	
01 22 23 00-0243	MO	1" x 6' x 8' Steel Plate	247.70	
		For >6 Months (>26 Weeks), Deduct	*-9.91*	
01 22 23 00-0244	DAY	1" x 6' x 10' Steel Plate	77.41	
01 22 23 00-0245	WK	1" x 6' x 10' Steel Plate	101.92	
01 22 23 00-0246	MO	1" x 6' x 10' Steel Plate	272.21	
		For >6 Months (>26 Weeks), Deduct	*-10.89*	
01 22 23 00-0247	DAY	1" x 6' x 12' Steel Plate	108.37	
01 22 23 00-0248	WK	1" x 6' x 12' Steel Plate	138.69	
01 22 23 00-0249	MO	1" x 6' x 12' Steel Plate	375.42	
		For >6 Months (>26 Weeks), Deduct	*-15.02*	
01 22 23 00-0250	DAY	1" x 8' x 10' Steel Plate	68.38	
01 22 23 00-0251	WK	1" x 8' x 10' Steel Plate	153.52	
01 22 23 00-0252	MO	1" x 8' x 10' Steel Plate	408.96	
		For >6 Months (>26 Weeks), Deduct	*-16.36*	
01 22 23 00-0253	DAY	1" x 8' x 12' Steel Plate	123.85	
01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	153.52	
01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	743.10	
		For >6 Months (>26 Weeks), Deduct	*-29.72*	
01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	165.13	
01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	371.55	
01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	990.80	
		For >6 Months (>26 Weeks), Deduct	*-39.63*	
01 22 23 00-0259	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.86	
01 22 23 00-0260	EA	Removal And Resetting Of Steel Roadway Plate	19.02	
01 22 23 00-0261	DAY	1-1/4" x 8' x 10' Steel Plate	82.05	
01 22 23 00-0262	WK	1-1/4" x 8' x 10' Steel Plate	184.23	
01 22 23 00-0263	MO	1-1/4" x 8' x 10' Steel Plate	490.75	
		For >6 Months (>26 Weeks), Deduct	*-19.63*	
01 22 23 00-0264	DAY	1-1/2" x 8' x 15' Steel Plate	189.90	
01 22 23 00-0265	WK	1-1/2" x 8' x 15' Steel Plate	427.28	
01 22 23 00-0266	MO	1-1/2" x 8' x 15' Steel Plate	1,139.42	
		For >6 Months (>26 Weeks), Deduct	*-45.58*	

01 22 23 00-0267 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0268	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	593.50	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-254.54*	
01 22 23 00-0269	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	2,733.99	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0270	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	11,159.79	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-127.14*	
01 22 23 00-0271	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,188.42	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-752.95*	
01 22 23 00-0272	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	9,132.09	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0273	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	33,998.42	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-1,040.69*	

01 22 23 00-0274 Earthmoving Equipment *(01 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0275		**Skid-Steer Loaders** *(01 22 23 00-0274)* Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0276	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	779.87	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-312.78*	
01 22 23 00-0277	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	2,921.39	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0278	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	10,581.12	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-104.00*	
01 22 23 00-0279	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	888.34	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-346.67*	
01 22 23 00-0280	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	3,117.67	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0281	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	11,011.57	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-121.21*	
01 22 23 00-0282	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	919.34	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-356.36*	
01 22 23 00-0283	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	3,400.05	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0284	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	11,760.55	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-151.17*	
01 22 23 00-0285	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,039.86	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-394.02*	
01 22 23 00-0286	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	3,796.06	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0287	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	13,069.12	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-203.52*	
01 22 23 00-0288	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,246.48	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-458.59*	
01 22 23 00-0289	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	4,579.48	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0290	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	14,997.54	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-280.65*	
01 22 23 00-0291	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	344.36	
		For Half Day Usage, Deduct	*-107.61*	
01 22 23 00-0292	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,145.00	
01 22 23 00-0293	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	3,047.59	
		For >6 Months (>26 Weeks), Deduct	*-121.90*	
01 22 23 00-0294	DAY	Forklift Attachment For Skid-Steer Loaders	74.04	
		For Half Day Usage, Deduct	*-23.14*	
01 22 23 00-0295	WK	Forklift Attachment For Skid-Steer Loaders	198.01	
01 22 23 00-0296	MO	Forklift Attachment For Skid-Steer Loaders	559.58	
		For >6 Months (>26 Weeks), Deduct	*-22.38*	
01 22 23 00-0297	DAY	Backhoe Attachment For Skid-Steer Loaders	163.57	
		For Half Day Usage, Deduct	*-51.12*	
01 22 23 00-0298	WK	Backhoe Attachment For Skid-Steer Loaders	392.57	
01 22 23 00-0299	MO	Backhoe Attachment For Skid-Steer Loaders	976.26	
		For >6 Months (>26 Weeks), Deduct	*-39.05*	
01 22 23 00-0300	DAY	Broom Attachment For Skid-Steer Loaders	161.85	
		For Half Day Usage, Deduct	*-50.58*	
01 22 23 00-0301	WK	Broom Attachment For Skid-Steer Loaders	439.06	
01 22 23 00-0302	MO	Broom Attachment For Skid-Steer Loaders	1,162.22	
		For >6 Months (>26 Weeks), Deduct	*-46.49*	
01 22 23 00-0303	DAY	Concrete Pump Attachment For Skid-Steer Loaders	344.36	
		For Half Day Usage, Deduct	*-107.61*	
01 22 23 00-0304	WK	Concrete Pump Attachment For Skid-Steer Loaders	1,145.00	
01 22 23 00-0305	MO	Concrete Pump Attachment For Skid-Steer Loaders	3,047.59	
		For >6 Months (>26 Weeks), Deduct	*-121.90*	
01 22 23 00-0306	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	141.19	
		For Half Day Usage, Deduct	*-44.12*	
01 22 23 00-0307	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	389.13	
01 22 23 00-0308	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	1,062.35	
		For >6 Months (>26 Weeks), Deduct	*-42.49*	
01 22 23 00-0309	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	38.91	
		For Half Day Usage, Deduct	*-12.16*	
01 22 23 00-0310	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	101.81	
01 22 23 00-0311	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	299.44	
		For >6 Months (>26 Weeks), Deduct	*-11.98*	
01 22 23 00-0312	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	52.39	
		For Half Day Usage, Deduct	*-16.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0313	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	130.25	
01 22 23 00-0314	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	389.28	
		For >6 Months (>26 Weeks), Deduct	*-15.57*	
01 22 23 00-0315	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	76.34	
		For Half Day Usage, Deduct	*-23.86*	
01 22 23 00-0316	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	232.08	
01 22 23 00-0317	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	688.72	
		For >6 Months (>26 Weeks), Deduct	*-27.55*	
01 22 23 00-0318	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	15.50	
		For Half Day Usage, Deduct	*-4.84*	
01 22 23 00-0319	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	36.16	
01 22 23 00-0320	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	96.42	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	

01 22 23 00-0321 Bulldozers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0322	DAY	70 HP, D3 Bulldozer With Full-Time Operator	873.11	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-360.42*	
01 22 23 00-0323	WK	70 HP, D3 Bulldozer With Full-Time Operator	3,936.54	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0324	MO	70 HP, D3 Bulldozer With Full-Time Operator	14,869.85	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-189.99*	
01 22 23 00-0325	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,064.64	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-420.28*	
01 22 23 00-0326	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	4,710.30	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0327	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	17,244.76	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-284.99*	
01 22 23 00-0328	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,608.57	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-590.26*	
01 22 23 00-0329	WK	140 HP, D6 Bulldozer With Full-Time Operator	6,886.02	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0330	MO	140 HP, D6 Bulldozer With Full-Time Operator	23,756.61	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-545.46*	
01 22 23 00-0331	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,091.21	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-741.08*	
01 22 23 00-0332	WK	200 HP, D7 Bulldozer With Full-Time Operator	8,824.26	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0333	MO	200 HP, D7 Bulldozer With Full-Time Operator	29,578.97	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-778.36*	
01 22 23 00-0334	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,665.79	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-920.64*	
01 22 23 00-0335	WK	335 HP, D8 Bulldozer With Full-Time Operator	11,122.56	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0336	MO	335 HP, D8 Bulldozer With Full-Time Operator	36,473.87	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,054.15*	
01 22 23 00-0337	DAY	460 HP, D9 Bulldozer With Full-Time Operator	2,987.55	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,021.19*	
01 22 23 00-0338	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,401.94	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0339	MO	460 HP, D9 Bulldozer With Full-Time Operator	40,304.37	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,207.37*	

01 22 23 00-0340 Hydraulic Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0341	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	842.22	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-350.77*	
01 22 23 00-0342	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	3,662.27	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0343	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	14,566.11	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-177.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0344	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	947.81	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-383.77*	
01 22 23 00-0345	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	4,127.72	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0346	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	16,427.91	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-252.32*	
01 22 23 00-0347	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	981.16	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-394.19*	
01 22 23 00-0348	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	4,301.39	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0349	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	16,733.57	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-264.54*	
01 22 23 00-0350	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,015.89	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-405.04*	
01 22 23 00-0351	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	4,461.17	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0352	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	17,039.24	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-276.77*	
01 22 23 00-0353	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,043.68	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-413.73*	
01 22 23 00-0354	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	4,627.90	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0355	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	17,344.91	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-289.00*	
01 22 23 00-0356	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,418.82	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-530.96*	
01 22 23 00-0357	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,121.51	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0358	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	21,478.37	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-454.33*	
01 22 23 00-0359	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,474.40	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-548.33*	
01 22 23 00-0360	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	6,364.65	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0361	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	22,207.81	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-483.51*	
01 22 23 00-0362	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,578.60	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-580.89*	
01 22 23 00-0363	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	6,781.47	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0364	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	23,458.27	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-533.53*	
01 22 23 00-0365	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,696.70	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-617.80*	
01 22 23 00-0366	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	7,246.92	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0367	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	24,847.67	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-589.11*	
01 22 23 00-0368	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,731.43	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-628.65*	
01 22 23 00-0369	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	7,385.86	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0370	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	25,264.49	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-605.78*	
01 22 23 00-0371	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,064.89	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-732.86*	
01 22 23 00-0372	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	8,726.63	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0373	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	29,293.75	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-766.95*	
01 22 23 00-0374	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,544.23	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-882.65*	
01 22 23 00-0375	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	10,630.11	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0376	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	34,990.29	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-994.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0377	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,134.73	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,067.18*	
01 22 23 00-0378	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	12,992.09	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0379	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	42,076.23	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,278.25*	
01 22 23 00-0380	DAY	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	1,606.39	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-589.57*	
01 22 23 00-0381	WK	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	6,878.73	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0382	MO	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	23,736.15	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-544.64*	
01 22 23 00-0383	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	97.26	
		For Half Day Usage, Deduct	*-30.39*	
01 22 23 00-0384	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	375.14	
01 22 23 00-0385	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,111.52	
		For >6 Months (>26 Weeks), Deduct	*-44.46*	
01 22 23 00-0386	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	430.71	
		For Half Day Usage, Deduct	*-134.60*	
01 22 23 00-0387	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,139.31	
01 22 23 00-0388	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,188.67	
		For >6 Months (>26 Weeks), Deduct	*-127.55*	
01 22 23 00-0389	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	666.91	
		For Half Day Usage, Deduct	*-208.41*	
01 22 23 00-0390	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,702.02	
01 22 23 00-0391	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,425.24	
		For >6 Months (>26 Weeks), Deduct	*-177.01*	
01 22 23 00-0392	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	930.90	
		For Half Day Usage, Deduct	*-290.91*	
01 22 23 00-0393	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,507.87	
01 22 23 00-0394	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	7,030.36	
		For >6 Months (>26 Weeks), Deduct	*-281.21*	
01 22 23 00-0395	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	194.52	
		For Half Day Usage, Deduct	*-60.79*	
01 22 23 00-0396	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	778.06	
01 22 23 00-0397	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,334.19	
		For >6 Months (>26 Weeks), Deduct	*-93.37*	
01 22 23 00-0398	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	277.88	
		For Half Day Usage, Deduct	*-86.84*	
01 22 23 00-0399	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,111.52	
01 22 23 00-0400	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,334.56	
		For >6 Months (>26 Weeks), Deduct	*-133.38*	
01 22 23 00-0401	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	305.67	
		For Half Day Usage, Deduct	*-95.52*	
01 22 23 00-0402	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,208.78	
01 22 23 00-0403	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,612.44	
		For >6 Months (>26 Weeks), Deduct	*-144.50*	

01 22 23 00-0404 Mini-Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0405	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	758.85	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-324.72*	
01 22 23 00-0406	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,162.08	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0407	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	11,940.14	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-72.80*	
01 22 23 00-0408	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	765.80	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-326.89*	
01 22 23 00-0409	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,182.92	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0410	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	12,377.81	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-90.31*	
01 22 23 00-0411	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	800.54	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-337.75*	
01 22 23 00-0412	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,280.18	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0413	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	12,440.33	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-92.81*	
01 22 23 00-0414	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	814.43	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-342.09*	
01 22 23 00-0415	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,328.81	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0416	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	12,468.12	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-93.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0417	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	897.79	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-368.14*	
01 22 23 00-0418	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,398.28	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0419	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	13,273.97	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-126.16*	
01 22 23 00-0420	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	904.74	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-370.31*	
01 22 23 00-0421	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	3,745.63	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0422	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	13,308.70	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-127.55*	

01 22 23 00-0423 Loader-Backhoes With Standard Bucket *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0424	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	889.94	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-365.68*	
01 22 23 00-0425	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	3,339.67	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0426	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	12,483.49	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-94.54*	
01 22 23 00-0427	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	935.24	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-379.84*	
01 22 23 00-0428	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	3,498.24	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0429	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	13,450.02	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-133.20*	
01 22 23 00-0430	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,005.09	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-401.67*	
01 22 23 00-0431	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	3,671.92	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0432	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	13,948.39	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-153.13*	
01 22 23 00-0433	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,316.57	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-499.01*	
01 22 23 00-0434	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	4,600.69	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0435	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	16,606.34	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-259.45*	

01 22 23 00-0436 Heavy-Duty Construction Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0437	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	962.70	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-388.42*	
01 22 23 00-0438	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	4,295.01	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0439	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	15,991.28	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-234.85*	
01 22 23 00-0440	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,374.46	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-517.10*	
01 22 23 00-0441	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	4,744.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0442	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	16,220.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-244.00*	
01 22 23 00-0443	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,465.96	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-545.69*	
01 22 23 00-0444	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	4,988.89	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0445	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	16,830.03	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-268.40*	
01 22 23 00-0446	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,717.58	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-624.32*	
01 22 23 00-0447	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	5,652.27	
		For Equipment Without Operator, Deduct	*-2,335.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0448	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	18,507.53	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-335.50*	
01 22 23 00-0449	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,365.70	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-826.86*	
01 22 23 00-0450	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	9,914.64	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0451	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	32,842.53	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-908.90*	
01 22 23 00-0452	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,635.63	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-2,161.21*	
01 22 23 00-0453	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	22,366.05	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0454	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	64,709.01	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-2,183.56*	

01 22 23 00-0455 Shoring *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0456 Aluminum Hydraulic Shoring *(01 22 23 00-0455)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0457	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	157.07	
01 22 23 00-0458	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	463.29	
		For >6 Months (>26 Weeks), Deduct	*-18.53*	
01 22 23 00-0459	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	210.71	
01 22 23 00-0460	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	621.49	
		For >6 Months (>26 Weeks), Deduct	*-24.86*	
01 22 23 00-0461	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	390.70	
01 22 23 00-0462	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	1,152.57	
		For >6 Months (>26 Weeks), Deduct	*-46.10*	
01 22 23 00-0463	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	13.88	
01 22 23 00-0464	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	22.22	
01 22 23 00-0465	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	37.01	

01 22 23 00-0466 Slide Rail Shoring *(01 22 23 00-0455)*

Note: Excludes delivery to job site and pick-up when complete.

01 22 23 00-0467	WK	4' x 12' Slide Rail Panel	235.83	
01 22 23 00-0468	MO	4' x 12' Slide Rail Panel	707.49	
01 22 23 00-0469	WK	8' x 12' Slide Rail Panel	385.34	
01 22 23 00-0470	MO	8' x 12' Slide Rail Panel	1,156.02	
01 22 23 00-0471	WK	4' x 16' Slide Rail Panel	307.53	
01 22 23 00-0472	MO	4' x 16' Slide Rail Panel	922.59	
01 22 23 00-0473	WK	8' x 16' Slide Rail Panel	503.20	
01 22 23 00-0474	MO	8' x 16' Slide Rail Panel	1,509.61	
01 22 23 00-0475	WK	4' x 20' Slide Rail Panel	394.55	
01 22 23 00-0476	MO	4' x 20' Slide Rail Panel	1,183.65	
01 22 23 00-0477	WK	8' x 20' Slide Rail Panel	694.97	
01 22 23 00-0478	MO	8' x 20' Slide Rail Panel	2,084.91	
01 22 23 00-0479	WK	14' Stacking Post	352.49	
01 22 23 00-0480	MO	14' Stacking Post	1,057.48	
01 22 23 00-0481	WK	Stacking Brackets	11.02	
01 22 23 00-0482	MO	Stacking Brackets	33.05	
01 22 23 00-0483	EA	Set Up And Remove 4' x 12' Slide Rail Panel	152.09	
01 22 23 00-0484	EA	Set Up And Remove 8' x 12' Slide Rail Panel	228.13	
01 22 23 00-0485	EA	Set Up And Remove 4' x 16' Slide Rail Panel	228.13	
01 22 23 00-0486	EA	Set Up And Remove 8' x 16' Slide Rail Panel	304.19	
01 22 23 00-0487	EA	Set Up And Remove 4' x 20' Slide Rail Panel	304.19	
01 22 23 00-0488	EA	Set Up And Remove 8' x 20' Slide Rail Panel	380.23	
01 22 23 00-0489	EA	Set Up And Remove 14' Stacking Post	228.13	
01 22 23 00-0490	EA	Set Up And Remove Stacking Brackets	76.04	
01 22 23 00-0491	EA	Stacking Brackets Rigging Tub	2,065.39	

01 22 23 00-0492 Tractors *(01 22 23 00-0274)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0493	DAY	20 To 29 HP Tractor	456.78	
		For Half Day Usage, Deduct	*-142.74*	
01 22 23 00-0494	WK	20 To 29 HP Tractor	1,099.64	
01 22 23 00-0495	MO	20 To 29 HP Tractor	2,969.04	
		For >6 Months (>26 Weeks), Deduct	*-118.76*	
01 22 23 00-0496	DAY	30 To 35 HP Tractor	473.29	
		For Half Day Usage, Deduct	*-147.90*	
01 22 23 00-0497	WK	30 To 35 HP Tractor	1,218.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0498	MO	30 To 35 HP Tractor	3,373.45	
		For >6 Months (>26 Weeks), Deduct	*-134.94*	
01 22 23 00-0499	DAY	40 To 45 HP Tractor	483.36	
		For Half Day Usage, Deduct	*-151.05*	
01 22 23 00-0500	WK	40 To 45 HP Tractor	1,299.03	
01 22 23 00-0501	MO	40 To 45 HP Tractor	3,564.78	
		For >6 Months (>26 Weeks), Deduct	*-142.59*	
01 22 23 00-0502	DAY	80 To 89 HP Tractor	622.33	
		For Half Day Usage, Deduct	*-194.48*	
01 22 23 00-0503	WK	80 To 89 HP Tractor	1,764.87	
01 22 23 00-0504	MO	80 To 89 HP Tractor	5,053.33	
		For >6 Months (>26 Weeks), Deduct	*-202.13*	
01 22 23 00-0505	DAY	60" Rotary Mower Attachment For Tractors	195.36	
		For Half Day Usage, Deduct	*-61.05*	
01 22 23 00-0506	WK	60" Rotary Mower Attachment For Tractors	604.20	
01 22 23 00-0507	DAY	84" Rotary Mower Attachment For Tractors	213.48	
		For Half Day Usage, Deduct	*-66.71*	
01 22 23 00-0508	WK	84" Rotary Mower Attachment For Tractors	654.55	
01 22 23 00-0509	DAY	Under Deck Rotary Mower Attachment For Tractors	42.44	
		For Half Day Usage, Deduct	*-13.26*	
01 22 23 00-0510	WK	Under Deck Rotary Mower Attachment For Tractors	169.77	

01 22 23 00-0511 Trench Boxes/Trench Shields *(01 22 23 00-0274)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0512	WK	4' x 6' Trench Box With Up To 48" Spreaders	301.03	
01 22 23 00-0513	MO	4' x 6' Trench Box With Up To 48" Spreaders	903.08	
		For >6 Months (>26 Weeks), Deduct	*-36.12*	
01 22 23 00-0514	WK	6' x 6' Trench Box With Up To 48" Spreaders	339.87	
01 22 23 00-0515	MO	6' x 6' Trench Box With Up To 48" Spreaders	1,019.60	
		For >6 Months (>26 Weeks), Deduct	*-40.78*	
01 22 23 00-0516	WK	8' x 6' Trench Box With Up To 48" Spreaders	359.29	
01 22 23 00-0517	MO	8' x 6' Trench Box With Up To 48" Spreaders	1,077.87	
		For >6 Months (>26 Weeks), Deduct	*-43.11*	
01 22 23 00-0518	WK	4' x 8' Trench Box With Up To 48" Spreaders	330.16	
01 22 23 00-0519	MO	4' x 8' Trench Box With Up To 48" Spreaders	990.47	
		For >6 Months (>26 Weeks), Deduct	*-39.62*	
01 22 23 00-0520	WK	6' x 8' Trench Box With Up To 48" Spreaders	388.42	
01 22 23 00-0521	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,165.26	
		For >6 Months (>26 Weeks), Deduct	*-46.61*	
01 22 23 00-0522	WK	8' x 8' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0523	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0524	WK	4' x 10' Trench Box With Up To 48" Spreaders	369.00	
01 22 23 00-0525	MO	4' x 10' Trench Box With Up To 48" Spreaders	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0526	WK	6' x 10' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0527	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0528	WK	8' x 10' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0529	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,592.52	
		For >6 Months (>26 Weeks), Deduct	*-63.70*	
01 22 23 00-0530	WK	4' x 12' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0531	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0532	WK	6' x 12' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0533	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0534	WK	8' x 12' Trench Box With Up To 48" Spreaders	679.74	
01 22 23 00-0535	MO	8' x 12' Trench Box With Up To 48" Spreaders	2,039.20	
		For >6 Months (>26 Weeks), Deduct	*-81.57*	
01 22 23 00-0536	WK	4' x 14' Trench Box With Up To 48" Spreaders	485.52	
01 22 23 00-0537	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,456.58	
		For >6 Months (>26 Weeks), Deduct	*-58.26*	
01 22 23 00-0538	WK	6' x 14' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0539	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0540	WK	8' x 14' Trench Box With Up To 48" Spreaders	776.84	
01 22 23 00-0541	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,330.52	
		For >6 Months (>26 Weeks), Deduct	*-93.22*	
01 22 23 00-0542	WK	4' x 16' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0543	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0544	WK	6' x 16' Trench Box With Up To 48" Spreaders	728.29	
01 22 23 00-0545	MO	6' x 16' Trench Box With Up To 48" Spreaders	2,184.86	
		For >6 Months (>26 Weeks), Deduct	*-87.39*	
01 22 23 00-0546	WK	8' x 16' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0547	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0548	WK	4' x 20' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0549	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0550	WK	6' x 20' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0551	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0552	WK	8' x 20' Trench Box With Up To 48" Spreaders	1,019.60	
01 22 23 00-0553	MO	8' x 20' Trench Box With Up To 48" Spreaders	3,058.81	
		For >6 Months (>26 Weeks), Deduct	*-122.35*	
01 22 23 00-0554	WK	4' x 24' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0555	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0556	WK	6' x 24' Trench Box With Up To 48" Spreaders	1,068.16	
01 22 23 00-0557	MO	6' x 24' Trench Box With Up To 48" Spreaders	3,204.46	
		For >6 Months (>26 Weeks), Deduct	*-128.18*	
01 22 23 00-0558	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,165.26	
01 22 23 00-0559	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,495.78	
		For >6 Months (>26 Weeks), Deduct	*-139.83*	
01 22 23 00-0560	WK	For Spreaders >48" To 84", Add	29.13	
01 22 23 00-0561	MO	For Spreaders >48" To 84", Add	87.39	
		For >6 Months (>26 Weeks), Deduct	*-3.50*	
01 22 23 00-0562	WK	For Spreaders >84" To 120", Add	174.79	
01 22 23 00-0563	MO	For Spreaders >84" To 120", Add	524.37	
		For >6 Months (>26 Weeks), Deduct	*-20.97*	
01 22 23 00-0564	WK	For Spreaders >120", Add	369.00	
01 22 23 00-0565	MO	For Spreaders >120", Add	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0566	WK	8' x 4' Manhole Box	458.82	
01 22 23 00-0567	MO	8' x 4' Manhole Box	1,376.46	
		For >6 Months (>26 Weeks), Deduct	*-55.06*	
01 22 23 00-0568	WK	8' x 8' Manhole Box	655.46	
01 22 23 00-0569	MO	8' x 8' Manhole Box	1,966.38	
		For >6 Months (>26 Weeks), Deduct	*-78.66*	

01 22 23 00-0570 Trenchers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0571	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	690.60	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-284.88*	
01 22 23 00-0572	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,939.45	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0573	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	11,002.20	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-120.84*	
01 22 23 00-0574	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,234.38	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-454.81*	
01 22 23 00-0575	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	4,772.19	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0576	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	16,037.20	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-322.24*	

01 22 23 00-0577 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0578	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	3,844.73	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,289.06*	
01 22 23 00-0579	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	10,273.94	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0580	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	38,453.85	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,133.35*	

01 22 23 00-0581 Road Graders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0582	DAY	50 To 60 HP Road Grader With Full-Time Operator	1,802.16	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-650.75*	
01 22 23 00-0583	WK	50 To 60 HP Road Grader With Full-Time Operator	5,806.59	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0584	MO	50 To 60 HP Road Grader With Full-Time Operator	19,465.55	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-373.82*	
01 22 23 00-0585	DAY	80 To 100 HP Road Grader With Full-Time Operator	2,460.79	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-856.57*	
01 22 23 00-0586	WK	80 To 100 HP Road Grader With Full-Time Operator	7,266.27	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0587	MO	80 To 100 HP Road Grader With Full-Time Operator	23,915.81	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-551.83*	
01 22 23 00-0588	DAY	130 To 140 HP Road Grader With Full-Time Operator	2,951.80	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,010.02*	
01 22 23 00-0589	WK	130 To 140 HP Road Grader With Full-Time Operator	8,720.61	
		For Equipment Without Operator, Deduct	*-2,335.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0590	MO	130 To 140 HP Road Grader With Full-Time Operator	29,278.36	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-766.33*	
01 22 23 00-0591	DAY	170 To 185 HP Road Grader With Full-Time Operator	3,697.96	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-1,243.19*	
01 22 23 00-0592	WK	170 To 185 HP Road Grader With Full-Time Operator	15,258.92	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0593	MO	170 To 185 HP Road Grader With Full-Time Operator	55,352.36	
		For Equipment Without Operator, Deduct	*-10,120.02*	
		For >6 Months (>26 Weeks), Deduct	*-1,809.29*	

01 22 23 00-0594 Motor Scraper *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0595	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	1,766.55	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-639.62*	
01 22 23 00-0596	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	7,533.28	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0597	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	25,695.91	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-623.04*	
01 22 23 00-0598	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,291.68	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-803.73*	
01 22 23 00-0599	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	9,633.80	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0600	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	32,015.26	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-875.81*	
01 22 23 00-0601	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	2,799.01	
		For Equipment Without Operator, Deduct	*-467.08*	
		For Half Day Usage, Deduct	*-962.27*	
01 22 23 00-0602	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	11,654.21	
		For Equipment Without Operator, Deduct	*-2,335.39*	
01 22 23 00-0603	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	38,067.60	
		For Equipment Without Operator, Deduct	*-10,120.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,117.90*	

01 22 23 00-0604 Portable Sediment Tank *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0605	WK	Portable Sediment Tank	212.21	
01 22 23 00-0606	MO	Portable Sediment Tank	622.49	
		For >6 Months (>26 Weeks), Deduct	*-24.90*	

01 22 23 00-0607 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0274)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0608	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	29.25	
		For Half Day Usage, Deduct	*-9.14*	
01 22 23 00-0609	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	69.63	
01 22 23 00-0610	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	146.23	
		For >6 Months (>26 Weeks), Deduct	*-5.85*	
01 22 23 00-0611	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	30.71	
		For Half Day Usage, Deduct	*-9.60*	
01 22 23 00-0612	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	73.12	
01 22 23 00-0613	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	153.54	
		For >6 Months (>26 Weeks), Deduct	*-6.14*	
01 22 23 00-0614	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.86	
		For Half Day Usage, Deduct	*-7.77*	
01 22 23 00-0615	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	58.49	
01 22 23 00-0616	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	124.30	
		For >6 Months (>26 Weeks), Deduct	*-4.97*	
01 22 23 00-0617	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	27.78	
		For Half Day Usage, Deduct	*-8.68*	
01 22 23 00-0618	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	65.80	
01 22 23 00-0619	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	138.92	
		For >6 Months (>26 Weeks), Deduct	*-5.56*	
01 22 23 00-0620	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	30.71	
		For Half Day Usage, Deduct	*-9.60*	
01 22 23 00-0621	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	73.12	
01 22 23 00-0622	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	153.54	
		For >6 Months (>26 Weeks), Deduct	*-6.14*	
01 22 23 00-0623	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	33.63	
		For Half Day Usage, Deduct	*-10.51*	
01 22 23 00-0624	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	80.08	
01 22 23 00-0625	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	168.16	
		For >6 Months (>26 Weeks), Deduct	*-6.73*	
01 22 23 00-0626	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	26.32	
		For Half Day Usage, Deduct	*-8.23*	
01 22 23 00-0627	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	73.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0628	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	131.61	
		For >6 Months (>26 Weeks), Deduct	*-5.26*	
01 22 23 00-0629	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.71	
		For Half Day Usage, Deduct	*-9.60*	
01 22 23 00-0630	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	73.12	
01 22 23 00-0631	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	153.54	
		For >6 Months (>26 Weeks), Deduct	*-6.14*	
01 22 23 00-0632	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.56	
		For Half Day Usage, Deduct	*-11.43*	
01 22 23 00-0633	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	80.43	
01 22 23 00-0634	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	182.79	
		For >6 Months (>26 Weeks), Deduct	*-7.31*	
01 22 23 00-0635	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.48	
		For Half Day Usage, Deduct	*-12.34*	
01 22 23 00-0636	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	94.00	
01 22 23 00-0637	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	197.41	
		For >6 Months (>26 Weeks), Deduct	*-7.90*	
01 22 23 00-0638	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	42.41	
		For Half Day Usage, Deduct	*-13.25*	
01 22 23 00-0639	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	100.97	
01 22 23 00-0640	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	212.03	
		For >6 Months (>26 Weeks), Deduct	*-8.48*	
01 22 23 00-0641	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	43.87	
		For Half Day Usage, Deduct	*-13.71*	
01 22 23 00-0642	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	104.45	
01 22 23 00-0643	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	219.34	
		For >6 Months (>26 Weeks), Deduct	*-8.77*	
01 22 23 00-0644	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.07	
		For Half Day Usage, Deduct	*-4.40*	
01 22 23 00-0645	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.17	
01 22 23 00-0646	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.50	
		For >6 Months (>26 Weeks), Deduct	*-4.22*	
01 22 23 00-0647	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.82	
		For Half Day Usage, Deduct	*-5.26*	
01 22 23 00-0648	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.04	
01 22 23 00-0649	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	126.12	
		For >6 Months (>26 Weeks), Deduct	*-5.04*	
01 22 23 00-0650	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.20	
		For Half Day Usage, Deduct	*-6.00*	
01 22 23 00-0651	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.01	
01 22 23 00-0652	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	144.04	
		For >6 Months (>26 Weeks), Deduct	*-5.76*	
01 22 23 00-0653	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.47	
		For Half Day Usage, Deduct	*-6.40*	
01 22 23 00-0654	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	51.18	
01 22 23 00-0655	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	153.54	
		For >6 Months (>26 Weeks), Deduct	*-6.14*	
01 22 23 00-0656	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.40	
		For Half Day Usage, Deduct	*-7.31*	
01 22 23 00-0657	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	58.49	
01 22 23 00-0658	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	175.48	
		For >6 Months (>26 Weeks), Deduct	*-7.02*	
01 22 23 00-0659	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.89	
		For Half Day Usage, Deduct	*-8.40*	
01 22 23 00-0660	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	67.22	
01 22 23 00-0661	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	201.65	
		For >6 Months (>26 Weeks), Deduct	*-8.07*	
01 22 23 00-0662	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.69	
		For Half Day Usage, Deduct	*-6.47*	
01 22 23 00-0663	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	51.72	
01 22 23 00-0664	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	155.15	
		For >6 Months (>26 Weeks), Deduct	*-6.21*	
01 22 23 00-0665	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.01	
		For Half Day Usage, Deduct	*-8.75*	
01 22 23 00-0666	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	70.02	
01 22 23 00-0667	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	210.06	
		For >6 Months (>26 Weeks), Deduct	*-8.40*	
01 22 23 00-0668	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.22	
		For Half Day Usage, Deduct	*-7.57*	
01 22 23 00-0669	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	60.54	
01 22 23 00-0670	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	181.62	
		For >6 Months (>26 Weeks), Deduct	*-7.26*	
01 22 23 00-0671	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.39	
		For Half Day Usage, Deduct	*-12.62*	
01 22 23 00-0672	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.97	
01 22 23 00-0673	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	302.90	
		For >6 Months (>26 Weeks), Deduct	*-12.12*	
01 22 23 00-0674	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	43.05	
		For Half Day Usage, Deduct	*-13.45*	
01 22 23 00-0675	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	107.63	
01 22 23 00-0676	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	322.88	
		For >6 Months (>26 Weeks), Deduct	*-12.92*	

01 22 23 00-0677 Electrical Equipment *(01 22 23)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0678		**Tripod Mounted Floodlights** *(01 22 23 00-0677)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0679	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	73.95	
		For Half Day Usage, Deduct	*-23.11*	
01 22 23 00-0680	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	174.95	
01 22 23 00-0681	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	369.74	
		For >6 Months (>26 Weeks), Deduct	*-14.79*	
01 22 23 00-0682	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	73.95	
		For Half Day Usage, Deduct	*-23.11*	
01 22 23 00-0683	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	216.43	
01 22 23 00-0684	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	640.28	
		For >6 Months (>26 Weeks), Deduct	*-25.61*	
01 22 23 00-0685	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	82.97	
		For Half Day Usage, Deduct	*-25.93*	
01 22 23 00-0686	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	225.45	
01 22 23 00-0687	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	550.10	
		For >6 Months (>26 Weeks), Deduct	*-22.00*	
01 22 23 00-0688		**Trailer Mounted Floodlights** *(01 22 23 00-0677)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0689	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	207.41	
		For Half Day Usage, Deduct	*-64.82*	
01 22 23 00-0690	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	459.92	
01 22 23 00-0691	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	991.98	
		For >6 Months (>26 Weeks), Deduct	*-39.68*	
01 22 23 00-0692		**Generator Sets** *(01 22 23 00-0677)*		
01 22 23 00-0693		**Portable, Gas Powered Generator Sets** *(01 22 23 00-0692)* Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.		
01 22 23 00-0694	DAY	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	55.71	
		For LP Or NG Gas, Add	*6.96*	
		For Half Day Usage, Deduct	*-17.41*	
01 22 23 00-0695	WK	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	200.82	
		For LP Or NG Gas, Add	*25.10*	
01 22 23 00-0696	MO	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	557.11	
		For LP Or NG Gas, Add	*69.64*	
		For >6 Months (>26 Weeks), Deduct	*-22.28*	
01 22 23 00-0697	DAY	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	79.03	
		For LP Or NG Gas, Add	*9.88*	
		For Half Day Usage, Deduct	*-24.70*	
01 22 23 00-0698	WK	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	252.64	
		For LP Or NG Gas, Add	*31.58*	
01 22 23 00-0699	MO	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	576.54	
		For LP Or NG Gas, Add	*72.07*	
		For >6 Months (>26 Weeks), Deduct	*-23.06*	
01 22 23 00-0700	DAY	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	101.06	
		For LP Or NG Gas, Add	*12.63*	
		For Half Day Usage, Deduct	*-31.58*	
01 22 23 00-0701	WK	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	272.08	
		For LP Or NG Gas, Add	*34.01*	
01 22 23 00-0702	MO	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	751.45	
		For LP Or NG Gas, Add	*93.93*	
		For >6 Months (>26 Weeks), Deduct	*-30.06*	
01 22 23 00-0703	DAY	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	112.72	
		For LP Or NG Gas, Add	*14.09*	
		For Half Day Usage, Deduct	*-35.23*	
01 22 23 00-0704	WK	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	304.47	
		For LP Or NG Gas, Add	*38.06*	
01 22 23 00-0705	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	874.53	
		For LP Or NG Gas, Add	*109.32*	
		For >6 Months (>26 Weeks), Deduct	*-34.98*	
01 22 23 00-0706	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	206.39	
		For LP Or NG Gas, Add	*25.80*	
		For Half Day Usage, Deduct	*-64.50*	
01 22 23 00-0707	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	586.31	
		For LP Or NG Gas, Add	*73.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,266.45	
		For LP Or NG Gas, Add	*158.31*	
		For >6 Months (>26 Weeks), Deduct	*-50.66*	

01 22 23 00-0709 Towable, Diesel Powered Generator Sets *(01 22 23 00-0692)*

Note: Includes 24 hour day-tank on sizes up to 180 KW, 40 hour day-tank for sizes greater than 180 KW To 300 KW and 1,000 gallon for sizes greater than 300 KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.

01 22 23 00-0710	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	231.91	
		For >8 To 16 Hours Usage Per Day, Add	*92.76*	
		For >16 To 24 Hours Usage Per Day, Add	*185.53*	
		For Tier 4 Diesel Generator, Add	*84.65*	
01 22 23 00-0711	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	606.34	
		For >40 To 80 Hours Usage Per Week, Add	*242.54*	
		For >80 Hours Usage Per Week, Add	*485.07*	
		For Tier 4 Diesel Generator, Add	*221.31*	
01 22 23 00-0712	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,651.89	
		For >160 To 320 Hours Usage Per Month, Add	*660.76*	
		For >320 Hours Usage Per Month, Add	*1,321.51*	
		For >6 Months (>26 Weeks), Deduct	*-66.08*	
		For Tier 4 Diesel Generator, Add	*602.94*	
01 22 23 00-0713	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	387.31	
		For >8 To 16 Hours Usage Per Day, Add	*154.92*	
		For >16 To 24 Hours Usage Per Day, Add	*309.85*	
		For Tier 4 Diesel Generator, Add	*141.37*	
01 22 23 00-0714	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,149.45	
		For >40 To 80 Hours Usage Per Week, Add	*459.78*	
		For >80 Hours Usage Per Week, Add	*919.56*	
		For Tier 4 Diesel Generator, Add	*419.55*	
01 22 23 00-0715	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,373.86	
		For >160 To 320 Hours Usage Per Month, Add	*949.54*	
		For >320 Hours Usage Per Month, Add	*1,899.09*	
		For >6 Months (>26 Weeks), Deduct	*-94.95*	
		For Tier 4 Diesel Generator, Add	*866.46*	
01 22 23 00-0716	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	424.80	
		For >8 To 16 Hours Usage Per Day, Add	*169.92*	
		For >16 To 24 Hours Usage Per Day, Add	*339.84*	
		For Tier 4 Diesel Generator, Add	*155.05*	
01 22 23 00-0717	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,186.93	
		For >40 To 80 Hours Usage Per Week, Add	*474.77*	
		For >80 Hours Usage Per Week, Add	*949.54*	
		For Tier 4 Diesel Generator, Add	*433.23*	
01 22 23 00-0718	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,623.74	
		For >160 To 320 Hours Usage Per Month, Add	*1,049.50*	
		For >320 Hours Usage Per Month, Add	*2,098.99*	
		For >6 Months (>26 Weeks), Deduct	*-104.95*	
		For Tier 4 Diesel Generator, Add	*957.67*	
01 22 23 00-0719	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	456.03	
		For >8 To 16 Hours Usage Per Day, Add	*182.41*	
		For >16 To 24 Hours Usage Per Day, Add	*364.82*	
		For Tier 4 Diesel Generator, Add	*166.45*	
01 22 23 00-0720	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,249.40	
		For >40 To 80 Hours Usage Per Week, Add	*499.76*	
		For >80 Hours Usage Per Week, Add	*999.52*	
		For Tier 4 Diesel Generator, Add	*456.03*	
01 22 23 00-0721	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,998.56	
		For >160 To 320 Hours Usage Per Month, Add	*1,199.42*	
		For >320 Hours Usage Per Month, Add	*2,398.85*	
		For >6 Months (>26 Weeks), Deduct	*-119.94*	
		For Tier 4 Diesel Generator, Add	*1,094.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0722	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	499.76	
		For >8 To 16 Hours Usage Per Day, Add	*199.90*	
		For >16 To 24 Hours Usage Per Day, Add	*399.81*	
		For Tier 4 Diesel Generator, Add	*182.41*	
01 22 23 00-0723	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,418.07	
		For >40 To 80 Hours Usage Per Week, Add	*567.23*	
		For >80 Hours Usage Per Week, Add	*1,134.46*	
		For Tier 4 Diesel Generator, Add	*517.60*	
01 22 23 00-0724	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,373.38	
		For >160 To 320 Hours Usage Per Month, Add	*1,349.35*	
		For >320 Hours Usage Per Month, Add	*2,698.70*	
		For >6 Months (>26 Weeks), Deduct	*-134.94*	
		For Tier 4 Diesel Generator, Add	*1,231.28*	
01 22 23 00-0725	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	562.23	
		For >8 To 16 Hours Usage Per Day, Add	*224.89*	
		For >16 To 24 Hours Usage Per Day, Add	*449.78*	
		For Tier 4 Diesel Generator, Add	*205.21*	
01 22 23 00-0726	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,499.28	
		For >40 To 80 Hours Usage Per Week, Add	*599.71*	
		For >80 Hours Usage Per Week, Add	*1,199.42*	
		For Tier 4 Diesel Generator, Add	*547.24*	
01 22 23 00-0727	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,748.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,499.28*	
		For >320 Hours Usage Per Month, Add	*2,998.56*	
		For >6 Months (>26 Weeks), Deduct	*-149.93*	
		For Tier 4 Diesel Generator, Add	*1,368.09*	
01 22 23 00-0728	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	580.97	
		For >8 To 16 Hours Usage Per Day, Add	*232.39*	
		For >16 To 24 Hours Usage Per Day, Add	*464.78*	
		For Tier 4 Diesel Generator, Add	*183.01*	
01 22 23 00-0729	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,561.75	
		For >40 To 80 Hours Usage Per Week, Add	*624.70*	
		For >80 Hours Usage Per Week, Add	*1,249.40*	
		For Tier 4 Diesel Generator, Add	*491.95*	
01 22 23 00-0730	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,247.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.18*	
		For >320 Hours Usage Per Month, Add	*3,398.37*	
		For >6 Months (>26 Weeks), Deduct	*-169.92*	
		For Tier 4 Diesel Generator, Add	*1,338.11*	
01 22 23 00-0731	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	655.94	
		For >8 To 16 Hours Usage Per Day, Add	*262.38*	
		For >16 To 24 Hours Usage Per Day, Add	*524.75*	
		For Tier 4 Diesel Generator, Add	*206.62*	
01 22 23 00-0732	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,811.63	
		For >40 To 80 Hours Usage Per Week, Add	*724.65*	
		For >80 Hours Usage Per Week, Add	*1,449.30*	
		For Tier 4 Diesel Generator, Add	*570.66*	
01 22 23 00-0733	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,872.66	
		For >160 To 320 Hours Usage Per Month, Add	*1,949.06*	
		For >320 Hours Usage Per Month, Add	*3,898.13*	
		For >6 Months (>26 Weeks), Deduct	*-194.91*	
		For Tier 4 Diesel Generator, Add	*1,534.89*	
01 22 23 00-0734	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	687.17	
		For >8 To 16 Hours Usage Per Day, Add	*274.87*	
		For >16 To 24 Hours Usage Per Day, Add	*549.74*	
		For Tier 4 Diesel Generator, Add	*216.46*	
01 22 23 00-0735	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,905.34	
		For >40 To 80 Hours Usage Per Week, Add	*762.14*	
		For >80 Hours Usage Per Week, Add	*1,524.27*	
		For Tier 4 Diesel Generator, Add	*600.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0736	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,372.42	
		For >160 To 320 Hours Usage Per Month, Add	*2,148.97*	
		For >320 Hours Usage Per Month, Add	*4,297.94*	
		For >6 Months (>26 Weeks), Deduct	*-214.90*	
		For Tier 4 Diesel Generator, Add	*1,692.31*	
01 22 23 00-0737	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	718.40	
		For >8 To 16 Hours Usage Per Day, Add	*287.36*	
		For >16 To 24 Hours Usage Per Day, Add	*574.72*	
		For Tier 4 Diesel Generator, Add	*226.30*	
01 22 23 00-0738	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,061.51	
		For >40 To 80 Hours Usage Per Week, Add	*824.60*	
		For >80 Hours Usage Per Week, Add	*1,649.21*	
		For Tier 4 Diesel Generator, Add	*649.38*	
01 22 23 00-0739	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,622.30	
		For >160 To 320 Hours Usage Per Month, Add	*2,248.92*	
		For >320 Hours Usage Per Month, Add	*4,497.84*	
		For >6 Months (>26 Weeks), Deduct	*-224.89*	
		For Tier 4 Diesel Generator, Add	*1,771.02*	
01 22 23 00-0740	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
		For Tier 4 Diesel Generator, Add	*236.14*	
01 22 23 00-0741	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
		For Tier 4 Diesel Generator, Add	*688.73*	
01 22 23 00-0742	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
		For Tier 4 Diesel Generator, Add	*1,849.74*	
01 22 23 00-0743	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
		For Tier 4 Diesel Generator, Add	*236.14*	
01 22 23 00-0744	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
		For Tier 4 Diesel Generator, Add	*688.73*	
01 22 23 00-0745	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
		For Tier 4 Diesel Generator, Add	*1,849.74*	
01 22 23 00-0746	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	1,030.76	
		For >8 To 16 Hours Usage Per Day, Add	*412.30*	
		For >16 To 24 Hours Usage Per Day, Add	*824.61*	
		For Tier 4 Diesel Generator, Add	*324.69*	
01 22 23 00-0747	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,561.27	
		For >40 To 80 Hours Usage Per Week, Add	*1,024.51*	
		For >80 Hours Usage Per Week, Add	*2,049.02*	
		For Tier 4 Diesel Generator, Add	*806.80*	
01 22 23 00-0748	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,496.40	
		For >160 To 320 Hours Usage Per Month, Add	*2,998.56*	
		For >320 Hours Usage Per Month, Add	*5,997.12*	
		For >6 Months (>26 Weeks), Deduct	*-299.86*	
		For Tier 4 Diesel Generator, Add	*2,361.37*	
01 22 23 00-0749	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,093.22	
		For >8 To 16 Hours Usage Per Day, Add	*437.29*	
		For >16 To 24 Hours Usage Per Day, Add	*874.58*	
		For Tier 4 Diesel Generator, Add	*295.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0750	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,623.74	
		For >40 To 80 Hours Usage Per Week, Add	*1,049.50*	
		For >80 Hours Usage Per Week, Add	*2,098.99*	
		For Tier 4 Diesel Generator, Add	*708.41*	
01 22 23 00-0751	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,746.28	
		For >160 To 320 Hours Usage Per Month, Add	*3,098.51*	
		For >320 Hours Usage Per Month, Add	*6,197.02*	
		For >6 Months (>26 Weeks), Deduct	*-309.85*	
		For Tier 4 Diesel Generator, Add	*2,091.50*	
01 22 23 00-0752	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,155.70	
		For >8 To 16 Hours Usage Per Day, Add	*462.28*	
		For >16 To 24 Hours Usage Per Day, Add	*924.56*	
		For Tier 4 Diesel Generator, Add	*312.04*	
01 22 23 00-0753	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,686.21	
		For >40 To 80 Hours Usage Per Week, Add	*1,074.48*	
		For >80 Hours Usage Per Week, Add	*2,148.97*	
		For Tier 4 Diesel Generator, Add	*725.28*	
01 22 23 00-0754	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,996.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,198.46*	
		For >320 Hours Usage Per Month, Add	*6,396.93*	
		For >6 Months (>26 Weeks), Deduct	*-319.85*	
		For Tier 4 Diesel Generator, Add	*2,158.96*	
01 22 23 00-0755	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,193.18	
		For >8 To 16 Hours Usage Per Day, Add	*477.27*	
		For >16 To 24 Hours Usage Per Day, Add	*954.54*	
		For Tier 4 Diesel Generator, Add	*322.16*	
01 22 23 00-0756	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,873.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,149.45*	
		For >80 Hours Usage Per Week, Add	*2,298.90*	
		For Tier 4 Diesel Generator, Add	*775.88*	
01 22 23 00-0757	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,495.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,398.37*	
		For >320 Hours Usage Per Month, Add	*6,796.74*	
		For >6 Months (>26 Weeks), Deduct	*-339.84*	
		For Tier 4 Diesel Generator, Add	*2,293.90*	
01 22 23 00-0758	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,249.40	
		For >8 To 16 Hours Usage Per Day, Add	*499.76*	
		For >16 To 24 Hours Usage Per Day, Add	*999.52*	
		For Tier 4 Diesel Generator, Add	*337.34*	
01 22 23 00-0759	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,248.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,299.38*	
		For >80 Hours Usage Per Week, Add	*2,598.75*	
		For Tier 4 Diesel Generator, Add	*877.08*	
01 22 23 00-0760	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,370.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,748.20*	
		For >320 Hours Usage Per Month, Add	*7,496.40*	
		For >6 Months (>26 Weeks), Deduct	*-374.82*	
		For Tier 4 Diesel Generator, Add	*2,530.04*	
01 22 23 00-0761	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,108.92	
		For >8 To 16 Hours Usage Per Day, Add	*843.57*	
		For >16 To 24 Hours Usage Per Day, Add	*1,687.14*	
		For Tier 4 Diesel Generator, Add	*569.41*	
01 22 23 00-0762	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,452.56	
		For >40 To 80 Hours Usage Per Week, Add	*2,181.02*	
		For >80 Hours Usage Per Week, Add	*4,362.05*	
		For Tier 4 Diesel Generator, Add	*1,472.19*	
01 22 23 00-0763	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,420.00	
		For >160 To 320 Hours Usage Per Month, Add	*5,768.00*	
		For >320 Hours Usage Per Month, Add	*11,536.00*	
		For >6 Months (>26 Weeks), Deduct	*-576.80*	
		For Tier 4 Diesel Generator, Add	*3,893.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0764	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	2,703.75	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,081.50*	
		For >16 To 24 Hours Usage Per Day, Add	*2,163.00*	
		For Tier 4 Diesel Generator, Add	*730.01*	
01 22 23 00-0765	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	7,029.75	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*2,811.90*	
		For >80 Hours Usage Per Week, Add	*5,623.80*	
		For Tier 4 Diesel Generator, Add	*1,898.03*	
01 22 23 00-0766	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set	16,222.50	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*6,489.00*	
		For >320 Hours Usage Per Month, Add	*12,978.00*	
		For >6 Months (>26 Weeks), Deduct	*-648.90*	
		For Tier 4 Diesel Generator, Add	*4,380.08*	
01 22 23 00-0767	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	3,343.64	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,337.46*	
		For >16 To 24 Hours Usage Per Day, Add	*2,674.91*	
		For Tier 4 Diesel Generator, Add	*819.19*	
01 22 23 00-0768	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	8,832.25	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*3,532.90*	
		For >80 Hours Usage Per Week, Add	*7,065.80*	
		For Tier 4 Diesel Generator, Add	*2,163.90*	
01 22 23 00-0769	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	21,630.00	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*8,652.00*	
		For >320 Hours Usage Per Month, Add	*17,304.00*	
		For >6 Months (>26 Weeks), Deduct	*-865.20*	
		For Tier 4 Diesel Generator, Add	*5,299.35*	
01 22 23 00-0770	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	3,614.01	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,445.60*	
		For >16 To 24 Hours Usage Per Day, Add	*2,891.21*	
		For Tier 4 Diesel Generator, Add	*885.43*	
01 22 23 00-0771	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	8,327.55	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*3,331.02*	
		For >80 Hours Usage Per Week, Add	*6,662.04*	
		For Tier 4 Diesel Generator, Add	*2,040.25*	
01 22 23 00-0772	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	24,982.65	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*9,993.06*	
		For >320 Hours Usage Per Month, Add	*19,986.12*	
		For >6 Months (>26 Weeks), Deduct	*-999.31*	
		For Tier 4 Diesel Generator, Add	*6,120.75*	
01 22 23 00-0773	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	4,100.69	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,640.28*	
		For >16 To 24 Hours Usage Per Day, Add	*3,280.55*	
		For Tier 4 Diesel Generator, Add	*1,004.67*	
01 22 23 00-0774	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	10,715.86	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*4,286.34*	
		For >80 Hours Usage Per Week, Add	*8,572.69*	
		For Tier 4 Diesel Generator, Add	*2,625.39*	
01 22 23 00-0775	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	29,353.71	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*11,741.48*	
		For >320 Hours Usage Per Month, Add	*23,482.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,174.15*	
		For Tier 4 Diesel Generator, Add	*7,191.66*	
01 22 23 00-0776	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set	5,407.50	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*2,163.00*	
		For >16 To 24 Hours Usage Per Day, Add	*4,326.00*	
		For Tier 4 Diesel Generator, Add	*1,000.39*	
01 22 23 00-0777	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set	16,222.50	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*6,489.00*	
		For >80 Hours Usage Per Week, Add	*12,978.00*	
		For Tier 4 Diesel Generator, Add	*3,001.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0778	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	46,513.51	
		For >160 To 320 Hours Usage Per Month, Add	*18,605.40*	
		For >320 Hours Usage Per Month, Add	*37,210.81*	
		For Tier 4 Diesel Generator, Add	*8,605.00*	
01 22 23 00-0779	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,128.89	
		For >8 To 16 Hours Usage Per Day, Add	*2,851.56*	
		For >16 To 24 Hours Usage Per Day, Add	*5,703.11*	
		For Tier 4 Diesel Generator, Add	*1,318.84*	
01 22 23 00-0780	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	17,826.72	
		For >40 To 80 Hours Usage Per Week, Add	*7,130.69*	
		For >80 Hours Usage Per Week, Add	*14,261.38*	
		For Tier 4 Diesel Generator, Add	*3,297.94*	
01 22 23 00-0781	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	48,667.50	
		For >160 To 320 Hours Usage Per Month, Add	*19,467.00*	
		For >320 Hours Usage Per Month, Add	*38,934.00*	
		For >6 Months (>26 Weeks), Deduct	*-1,946.70*	
		For Tier 4 Diesel Generator, Add	*9,003.49*	
01 22 23 00-0782	EA	Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	658.39	
01 22 23 00-0783	EA	Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	850.15	
01 22 23 00-0784	EA	Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,091.89	
01 22 23 00-0785	EA	Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,317.06	
01 22 23 00-0786	EA	Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,758.97	

01 22 23 00-0787 Generator Accessories *(01 22 23 00-0692)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0788 Step Down Transformer *(01 22 23 00-0787)*

01 22 23 00-0789	WK	75 KVA, 480-208 Volt, Step Down Transformer	368.57
01 22 23 00-0790	MO	75 KVA, 480-208 Volt, Step Down Transformer	1,030.76
		For >6 Months (>26 Weeks), Deduct	*-41.23*
01 22 23 00-0791	WK	150 KVA, 480-208 Volt, Step Down Transformer	590.97
01 22 23 00-0792	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,771.65
		For >6 Months (>26 Weeks), Deduct	*-70.87*
01 22 23 00-0793	WK	225 KVA, 480-208 Volt, Step Down Transformer	787.12
01 22 23 00-0794	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,361.37
		For >6 Months (>26 Weeks), Deduct	*-94.45*
01 22 23 00-0795	WK	500 KVA, 480-208 Volt, Step Down Transformer	937.05
01 22 23 00-0796	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,811.15
		For >6 Months (>26 Weeks), Deduct	*-112.45*
01 22 23 00-0797	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,399.33
01 22 23 00-0798	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,179.24
		For >6 Months (>26 Weeks), Deduct	*-167.17*
01 22 23 00-0799	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,273.91
01 22 23 00-0800	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,815.48
		For >6 Months (>26 Weeks), Deduct	*-272.62*
01 22 23 00-0801	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,623.74
01 22 23 00-0802	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,871.22
		For >6 Months (>26 Weeks), Deduct	*-314.85*

01 22 23 00-0803 Portable Panel *(01 22 23 00-0787)*

01 22 23 00-0804	WK	100 Amperes, Portable Panel	293.61
01 22 23 00-0805	MO	100 Amperes, Portable Panel	749.64
		For >6 Months (>26 Weeks), Deduct	*-29.99*
01 22 23 00-0806	WK	200 Amperes, Portable Panel	351.08
01 22 23 00-0807	MO	200 Amperes, Portable Panel	937.05
		For >6 Months (>26 Weeks), Deduct	*-37.48*
01 22 23 00-0808	WK	400 Amperes, Portable Panel	374.82
01 22 23 00-0809	MO	400 Amperes, Portable Panel	1,124.46
		For >6 Months (>26 Weeks), Deduct	*-44.98*

01 22 23 00-0810 Portable Fusible Disconnect *(01 22 23 00-0787)*

01 22 23 00-0811	WK	100 - 200 Amperes, Portable Fusible Disconnect	131.19
01 22 23 00-0812	MO	100 - 200 Amperes, Portable Fusible Disconnect	393.56
		For >6 Months (>26 Weeks), Deduct	*-15.74*
01 22 23 00-0813	WK	300 - 400 Amperes, Portable Fusible Disconnect	262.37
01 22 23 00-0814	MO	300 - 400 Amperes, Portable Fusible Disconnect	787.12
		For >6 Months (>26 Weeks), Deduct	*-31.48*

01 22 23 00-0815 Portable Transfer Switch *(01 22 23 00-0787)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0816	WK	100 Amperes, 480 Volt, Portable Transfer Switch	393.56	
01 22 23 00-0817	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,180.68	
		For >6 Months (>26 Weeks), Deduct	*-47.23*	
01 22 23 00-0818	WK	200 Amperes, 480 Volt, Portable Transfer Switch	524.75	
01 22 23 00-0819	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,574.24	
		For >6 Months (>26 Weeks), Deduct	*-62.97*	
01 22 23 00-0820	WK	400 Amperes, 480 Volt, Portable Transfer Switch	655.94	
01 22 23 00-0821	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,967.80	
		For >6 Months (>26 Weeks), Deduct	*-78.71*	

01 22 23 00-0822 Cabling For Generator Sets *(01 22 23 00-0692)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0823	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.49	
		For Half Day Usage, Deduct	*-8.59*	
01 22 23 00-0824	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.10	
01 22 23 00-0825	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0826	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.74	
		For Half Day Usage, Deduct	*-4.29*	
01 22 23 00-0827	WK	50', 4/0 Cable With Camlock Ends For Generator Set	39.98	
01 22 23 00-0828	MO	50', 4/0 Cable With Camlock Ends For Generator Set	111.20	
		For >6 Months (>26 Weeks), Deduct	*-4.45*	

01 22 23 00-0829 Resistive Load Banks For Generator Sets *(01 22 23 00-0692)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.

01 22 23 00-0830	DAY	100 KW A/C Resistive Load Bank	250.00	
01 22 23 00-0831	WK	100 KW A/C Resistive Load Bank	570.00	
01 22 23 00-0832	MO	100 KW A/C Resistive Load Bank	1,710.00	
		For >6 Months (>26 Weeks), Deduct	*-68.40*	
01 22 23 00-0833	DAY	250 KW A/C Resistive Load Bank	313.00	
01 22 23 00-0834	WK	250 KW A/C Resistive Load Bank	690.00	
01 22 23 00-0835	MO	250 KW A/C Resistive Load Bank	2,068.00	
01 22 23 00-0836	DAY	400 KW A/C Resistive Load Bank	390.00	
01 22 23 00-0837	WK	400 KW A/C Resistive Load Bank	835.00	
01 22 23 00-0838	MO	400 KW A/C Resistive Load Bank	2,505.00	
01 22 23 00-0839	DAY	500 KW A/C Resistive Load Bank	457.00	
01 22 23 00-0840	WK	500 KW A/C Resistive Load Bank	1,250.00	
01 22 23 00-0841	MO	500 KW A/C Resistive Load Bank	3,750.00	
01 22 23 00-0842	DAY	650 KW A/C Resistive Load Bank	517.00	
01 22 23 00-0843	WK	650 KW A/C Resistive Load Bank	1,565.00	
01 22 23 00-0844	MO	650 KW A/C Resistive Load Bank	4,695.00	
		For >6 Months (>26 Weeks), Deduct	*-187.80*	
01 22 23 00-0845	DAY	750 KW A/C Resistive Load Bank	549.00	
01 22 23 00-0846	WK	750 KW A/C Resistive Load Bank	1,733.00	
01 22 23 00-0847	MO	750 KW A/C Resistive Load Bank	5,199.00	
		For >6 Months (>26 Weeks), Deduct	*-207.96*	
01 22 23 00-0848	DAY	1,000 KW A/C Resistive Load Bank	597.00	
01 22 23 00-0849	WK	1,000 KW A/C Resistive Load Bank	1,985.00	
01 22 23 00-0850	MO	1,000 KW A/C Resistive Load Bank	5,955.00	
01 22 23 00-0851	DAY	1,250 KW A/C Resistive Load Bank	657.00	
01 22 23 00-0852	WK	1,250 KW A/C Resistive Load Bank	2,300.00	
01 22 23 00-0853	MO	1,250 KW A/C Resistive Load Bank	6,900.00	
01 22 23 00-0854	DAY	1,500 KW A/C Resistive Load Bank	1,191.00	
01 22 23 00-0855	WK	1,500 KW A/C Resistive Load Bank	4,096.00	
01 22 23 00-0856	MO	1,500 KW A/C Resistive Load Bank	13,337.00	
01 22 23 00-0857	DAY	2,000 KW A/C Resistive Load Bank	1,445.00	
01 22 23 00-0858	WK	2,000 KW A/C Resistive Load Bank	5,000.00	
01 22 23 00-0859	MO	2,000 KW A/C Resistive Load Bank	16,500.00	
01 22 23 00-0860	DAY	2,500 KW A/C Resistive Load Bank	1,964.00	
01 22 23 00-0861	WK	2,500 KW A/C Resistive Load Bank	6,875.00	
01 22 23 00-0862	MO	2,500 KW A/C Resistive Load Bank	20,625.00	
01 22 23 00-0863	DAY	3,000 KW A/C Resistive Load Bank	2,310.00	
01 22 23 00-0864	WK	3,000 KW A/C Resistive Load Bank	7,500.00	
01 22 23 00-0865	MO	3,000 KW A/C Resistive Load Bank	22,500.00	

01 22 23 00-0866 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0692)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0867	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	67.47	
		For Half Day Usage, Deduct	*-21.08*	
01 22 23 00-0868	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	174.92	
01 22 23 00-0869	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	493.51	
		For >6 Months (>26 Weeks), Deduct	*-19.74*	

01 22 23 00-0870 Portable Distribution Panels For Generator Sets *(01 22 23 00-0692)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0871	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	149.93	
		For Half Day Usage, Deduct	*-46.85*	
01 22 23 00-0872	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	406.06	
01 22 23 00-0873	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,136.95	
		For >6 Months (>26 Weeks), Deduct	*-45.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0874	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	122.44	
		For Half Day Usage, Deduct	*-38.26*	
01 22 23 00-0875	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	318.60	
01 22 23 00-0876	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	905.82	
		For >6 Months (>26 Weeks), Deduct	*-36.23*	
01 22 23 00-0877	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	156.18	
		For Half Day Usage, Deduct	*-48.81*	
01 22 23 00-0878	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	393.56	
01 22 23 00-0879	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,068.24	
		For >6 Months (>26 Weeks), Deduct	*-42.73*	

01 22 23 00-0880 Fuel Reimbursement For Generators *(01 22 23 00-0692)*

01 22 23 00-0881	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00

01 22 23 00-0882 Welding Machines *(01 22 23 00-0677)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0883 CC/CV Inverter Welder *(01 22 23 00-0882)*

Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.

01 22 23 00-0884	DAY	250 Amperes, CC Inverter Welder	42.69
		For Half Day Usage, Deduct	*-13.34*
01 22 23 00-0885	WK	250 Amperes, CC Inverter Welder	92.99
01 22 23 00-0886	MO	250 Amperes, CC Inverter Welder	282.03
		For >6 Months (>26 Weeks), Deduct	*-11.28*
01 22 23 00-0887	DAY	300 Amperes, CC/CV Inverter Welder	48.78
		For Half Day Usage, Deduct	*-15.24*
01 22 23 00-0888	WK	300 Amperes, CC/CV Inverter Welder	129.58
01 22 23 00-0889	MO	300 Amperes, CC/CV Inverter Welder	343.01
		For >6 Months (>26 Weeks), Deduct	*-13.72*
01 22 23 00-0890	DAY	350 Amperes, CC/CV Inverter Welder	50.31
		For Half Day Usage, Deduct	*-15.72*
01 22 23 00-0891	WK	350 Amperes, CC/CV Inverter Welder	132.63
01 22 23 00-0892	MO	350 Amperes, CC/CV Inverter Welder	373.50
		For >6 Months (>26 Weeks), Deduct	*-14.94*

01 22 23 00-0893 MIG Welder *(01 22 23 00-0882)*

Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.

01 22 23 00-0894	DAY	115 Volt MIG Welder	73.18
		For Half Day Usage, Deduct	*-22.87*
01 22 23 00-0895	WK	115 Volt MIG Welder	190.56
01 22 23 00-0896	MO	115 Volt MIG Welder	518.33
		For >6 Months (>26 Weeks), Deduct	*-20.73*

01 22 23 00-0897 Diesel Powered Towable Welding Machines *(01 22 23 00-0882)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0898	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	137.20
		For Half Day Usage, Deduct	*-42.88*
01 22 23 00-0899	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	335.39
01 22 23 00-0900	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	800.36
		For >6 Months (>26 Weeks), Deduct	*-32.01*
01 22 23 00-0901	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	182.94
		For Half Day Usage, Deduct	*-57.17*
01 22 23 00-0902	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	358.26
01 22 23 00-0903	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	836.95
		For >6 Months (>26 Weeks), Deduct	*-33.48*
01 22 23 00-0904	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	190.56
		For Half Day Usage, Deduct	*-59.55*
01 22 23 00-0905	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	381.12
01 22 23 00-0906	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	929.94
		For >6 Months (>26 Weeks), Deduct	*-37.20*

01 22 23 00-0907 Portable Floor Drying Fans *(01 22 23 00-0677)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0908	DAY	2,250 CFM Portable Floor Drying Fan	23.26
		For Half Day Usage, Deduct	*-7.27*
01 22 23 00-0909	WK	2,250 CFM Portable Floor Drying Fan	107.60
01 22 23 00-0910	MO	2,250 CFM Portable Floor Drying Fan	356.23
		For >6 Months (>26 Weeks), Deduct	*-14.25*

01 22 23 00-0911 Portable Fume Extractors *(01 22 23 00-0677)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0912	DAY	Portable Fume Extractor	32.04
		For Half Day Usage, Deduct	*-10.01*
01 22 23 00-0913	WK	Portable Fume Extractor	96.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0914		**General Equipment** *(01 22 23)*		
01 22 23 00-0915		**Torch Burning** *(01 22 23 00-0914)*		
		Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0916	DAY	Torch Burning Package With Full Time Operator	434.85	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-396.74*	
		For Half Day Usage, Deduct	*-210.28*	
01 22 23 00-0917	WK	Torch Burning Package With Full Time Operator	2,098.05	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-1,983.71*	
01 22 23 00-0918	MO	Torch Burning Package With Full Time Operator	8,939.10	
		Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
		For Equipment Without Operator, Deduct	*-8,596.09*	
		For >6 Months (>26 Weeks), Deduct	*-13.72*	
01 22 23 00-0919		**Mowers** *(01 22 23 00-0914)*		
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0920	DAY	21" Walk Behind Lawn Mower	99.20	
		For Half Day Usage, Deduct	*-31.00*	
01 22 23 00-0921	WK	21" Walk Behind Lawn Mower	285.19	
01 22 23 00-0922	MO	21" Walk Behind Lawn Mower	582.78	
		For >6 Months (>26 Weeks), Deduct	*-23.31*	
01 22 23 00-0923	DAY	32" Walk Behind Lawn Mower	124.00	
		For Half Day Usage, Deduct	*-38.75*	
01 22 23 00-0924	WK	32" Walk Behind Lawn Mower	297.59	
01 22 23 00-0925	MO	32" Walk Behind Lawn Mower	619.98	
		For >6 Months (>26 Weeks), Deduct	*-24.80*	
01 22 23 00-0926	DAY	36" To 48" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0927	WK	36" To 48" Walk Behind Deck Mower	619.98	
01 22 23 00-0928	MO	36" To 48" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	
01 22 23 00-0929	DAY	61" To 72" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0930	WK	61" To 72" Walk Behind Deck Mower	619.98	
01 22 23 00-0931	MO	61" To 72" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	
01 22 23 00-0932		**Jacks And Bracing** *(01 22 23 00-0914)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0933		**Manual Hydraulic Jacks** *(01 22 23 00-0932)*		
01 22 23 00-0934	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0935	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0936	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0937	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0938	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0939	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	
01 22 23 00-0940	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0941	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0942	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0943	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0944	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0945	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	
01 22 23 00-0946		**Manual Screw Jacks** *(01 22 23 00-0932)*		
01 22 23 00-0947	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0948	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0949	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	
01 22 23 00-0950		**Shores/Braces** *(01 22 23 00-0932)*		
01 22 23 00-0951	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0952	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0953	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0954	MO	Up To 10' Height, Adjustable Wood Shoring	6.69	
01 22 23 00-0955	MO	>10' To 16' Height, Adjustable Wood Shoring	8.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0956	EA	Erect And Strip Shores To 10'	5.55	
		For >20 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.05*	
01 22 23 00-0957	EA	Erect And Strip Shores To 13'	6.66	
		For >20 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-3.66*	
01 22 23 00-0958	EA	Erect And Strip Shores To 16'	7.77	
		For >20 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.72*	
		For >100, Deduct	*-4.27*	

01 22 23 00-0959 Pressure Washers *(01 22 23 00-0914)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0960	DAY	2,000 PSI Pressure Washer With Full-Time Operator	476.11	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-214.26*	
01 22 23 00-0961	WK	2,000 PSI Pressure Washer With Full-Time Operator	2,068.16	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0962	MO	2,000 PSI Pressure Washer With Full-Time Operator	8,386.03	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-32.80*	
01 22 23 00-0963	DAY	2,500 PSI Pressure Washer With Full-Time Operator	476.11	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-214.26*	
01 22 23 00-0964	WK	2,500 PSI Pressure Washer With Full-Time Operator	2,068.16	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0965	MO	2,500 PSI Pressure Washer With Full-Time Operator	8,386.03	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-32.80*	
01 22 23 00-0966	DAY	3,000 PSI Pressure Washer With Full-Time Operator	476.11	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-214.26*	
01 22 23 00-0967	WK	3,000 PSI Pressure Washer With Full-Time Operator	2,068.16	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0968	MO	3,000 PSI Pressure Washer With Full-Time Operator	8,386.03	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-32.80*	
01 22 23 00-0969	DAY	3,500 PSI Pressure Washer With Full-Time Operator	485.88	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-217.31*	
01 22 23 00-0970	WK	3,500 PSI Pressure Washer With Full-Time Operator	2,097.45	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0971	MO	3,500 PSI Pressure Washer With Full-Time Operator	8,464.13	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-35.93*	
01 22 23 00-0972	DAY	4,000 PSI Pressure Washer With Full-Time Operator	524.92	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-229.51*	
01 22 23 00-0973	WK	4,000 PSI Pressure Washer With Full-Time Operator	2,224.36	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0974	MO	4,000 PSI Pressure Washer With Full-Time Operator	8,903.44	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-53.50*	
01 22 23 00-0975	DAY	5,000 PSI Pressure Washer With Full-Time Operator	544.45	
		For Equipment Without Operator, Deduct	*-349.20*	
		For Half Day Usage, Deduct	*-235.62*	
01 22 23 00-0976	WK	5,000 PSI Pressure Washer With Full-Time Operator	2,273.18	
		For Equipment Without Operator, Deduct	*-1,746.00*	
01 22 23 00-0977	MO	5,000 PSI Pressure Washer With Full-Time Operator	9,049.88	
		For Equipment Without Operator, Deduct	*-7,565.98*	
		For >6 Months (>26 Weeks), Deduct	*-59.36*	

01 22 23 00-0978 Confined Space Entry Equipment *(01 22 23 00-0914)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0979	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	49.85	
		For Half Day Usage, Deduct	*-15.58*	
01 22 23 00-0980	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	149.54	
01 22 23 00-0981	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	446.24	
		For >6 Months (>26 Weeks), Deduct	*-17.85*	
01 22 23 00-0982	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	67.81	
		For Half Day Usage, Deduct	*-21.19*	
01 22 23 00-0983	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	203.44	
01 22 23 00-0984	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	610.31	
		For >6 Months (>26 Weeks), Deduct	*-24.41*	
01 22 23 00-0985	DAY	Confined Space Air Monitor Personnel Note: Per person day.	349.20	
		For Half Day Usage, Deduct	*-174.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0986		**High Volume Vacuums** *(01 22 23 00-0914)* Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0987	DAY	500 Gallon High Volume Vacuum With Full-Time Operator	970.24	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-372.27*	
01 22 23 00-0988	WK	500 Gallon High Volume Vacuum With Full-Time Operator	3,527.07	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-0989	MO	500 Gallon High Volume Vacuum With Full-Time Operator	13,759.20	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-231.12*	
01 22 23 00-0990		**Portable Dehumidifiers** *(01 22 23 00-0914)* Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0991	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	237.08	
		For Half Day Usage, Deduct	*-74.09*	
01 22 23 00-0992	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	762.03	
01 22 23 00-0993	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	2,319.96	
		For >6 Months (>26 Weeks), Deduct	*-92.80*	
01 22 23 00-0994	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	423.35	
		For Half Day Usage, Deduct	*-132.30*	
01 22 23 00-0995	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	1,270.05	
01 22 23 00-0996	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,963.45	
		For >6 Months (>26 Weeks), Deduct	*-118.54*	
01 22 23 00-0997		**Ground Thaw Mobile Equipment And Blankets** *(01 22 23 00-0914)* Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.		
01 22 23 00-0998	DAY	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	883.32	
		For Half Day Usage, Deduct	*-283.15*	
01 22 23 00-0999	WK	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	2,928.95	
01 22 23 00-1000	MO	Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	10,377.73	
		For >6 Months (>26 Weeks), Deduct	*-383.51*	
01 22 23 00-1001	DAY	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	1,643.52	
		For Half Day Usage, Deduct	*-520.71*	
01 22 23 00-1002	WK	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	4,340.13	
01 22 23 00-1003	MO	>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	11,111.72	
		For >6 Months (>26 Weeks), Deduct	*-412.87*	
01 22 23 00-1004	DAY	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	2,003.96	
		For Half Day Usage, Deduct	*-633.35*	
01 22 23 00-1005	WK	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	5,432.38	
01 22 23 00-1006	MO	>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	11,978.56	
		For >6 Months (>26 Weeks), Deduct	*-447.54*	
01 22 23 00-1007	DAY	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	2,510.37	
		For Half Day Usage, Deduct	*-791.60*	
01 22 23 00-1008	WK	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	5,912.96	
01 22 23 00-1009	MO	>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 To 12,000 SF concrete curing area.	15,699.14	
		For >6 Months (>26 Weeks), Deduct	*-596.37*	
01 22 23 00-1010	DAY	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	3,139.90	
		For Half Day Usage, Deduct	*-988.33*	
01 22 23 00-1011	WK	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	7,498.90	
01 22 23 00-1012	MO	11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	17,012.02	
		For >6 Months (>26 Weeks), Deduct	*-648.88*	
01 22 23 00-1013	CSF	Place Hoses And Blankets Over Area Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.	17.77	
01 22 23 00-1014		**Direct Fired Space Heaters** *(01 22 23 00-0914)* Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-1015	DAY	150,000 BTU/Hour Space Heater	85.54	
		For Half Day Usage, Deduct	*-26.73*	
01 22 23 00-1016	WK	150,000 BTU/Hour Space Heater	245.92	
01 22 23 00-1017	MO	150,000 BTU/Hour Space Heater	694.98	
		For >6 Months (>26 Weeks), Deduct	*-27.80*	
01 22 23 00-1018	DAY	500,000 BTU/Hour Space Heater	181.76	
		For Half Day Usage, Deduct	*-56.80*	
01 22 23 00-1019	WK	500,000 BTU/Hour Space Heater	449.06	
01 22 23 00-1020	MO	500,000 BTU/Hour Space Heater	1,135.49	
		For >6 Months (>26 Weeks), Deduct	*-45.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1021		Marine Equipment *(01 22 23)*		
01 22 23 00-1022		Barge And Tug Boat Rental *(01 22 23 00-1021)*		
01 22 23 00-1023	DAY	50' Deck Cargo Barge	1,225.45	
		For Half Day Usage, Deduct	*-382.95*	
01 22 23 00-1024	DAY	90' Deck Cargo Barge	1,739.70	
		For Half Day Usage, Deduct	*-543.66*	
01 22 23 00-1025	DAY	160' Deck Cargo Barge	2,560.31	
		For Half Day Usage, Deduct	*-800.10*	
01 22 23 00-1026	DAY	200' Deck Cargo Barge	3,884.23	
		For Half Day Usage, Deduct	*-1,213.82*	
01 22 23 00-1027	DAY	Barge Rental With Mounted Crane And Full-time Operator Note: Including barge.	2,226.30	
		For Half Day Usage, Deduct	*-783.30*	
01 22 23 00-1028	HR	250 HP Tug Boat With Operator	169.29	
01 22 23 00-1029	HR	400 HP Tug Boat With Operator	370.05	
01 22 23 00-1030	HR	500 To 800 HP Tug Boat With Operator	485.43	
01 22 23 00-1031	HR	16' Work Boat With Operator	57.13	
01 22 23 00-1032	HR	48' Work Boat With Operator	363.35	
01 22 23 00-1033		Material Handling Equipment *(01 22 23)*		
01 22 23 00-1034		Truck Mounted Hydraulic Cranes *(01 22 23 00-1033)* Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-1035	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	955.46	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-386.18*	
01 22 23 00-1036	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,815.11	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1037	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,574.27	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-178.08*	
01 22 23 00-1038	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,084.71	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-426.57*	
01 22 23 00-1039	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,199.27	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1040	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,723.15	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-224.03*	
01 22 23 00-1041	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,213.96	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-466.96*	
01 22 23 00-1042	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,583.43	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1043	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,872.03	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-269.99*	
01 22 23 00-1044	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,386.29	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-520.81*	
01 22 23 00-1045	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,100.42	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1046	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,415.84	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-331.74*	
01 22 23 00-1047	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,544.27	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-570.18*	
01 22 23 00-1048	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,170.32	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1049	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	21,622.65	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-460.01*	
01 22 23 00-1050	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,917.65	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-686.86*	
01 22 23 00-1051	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,505.89	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1052	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,632.24	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-620.40*	
01 22 23 00-1053	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,154.61	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-760.91*	
01 22 23 00-1054	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,338.83	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1055	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,136.80	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-720.58*	
01 22 23 00-1056	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,341.30	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-819.25*	
01 22 23 00-1057	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,013.79	
		For Equipment Without Operator, Deduct	*-2,335.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1058	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,158.83	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-801.46*	
01 22 23 00-1059	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,527.99	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-877.60*	
01 22 23 00-1060	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,688.76	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1061	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	32,180.86	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-882.34*	
01 22 23 00-1062	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,650.06	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-915.74*	
01 22 23 00-1063	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,105.23	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1064	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,444.62	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-932.89*	
01 22 23 00-1065	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,815.21	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-967.35*	
01 22 23 00-1066	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,722.75	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1067	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	35,282.83	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,006.42*	
01 22 23 00-1068	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,346.57	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-1,133.40*	
01 22 23 00-1069	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,413.76	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1070	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	40,355.86	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,209.34*	
01 22 23 00-1071	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,712.78	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-1,247.84*	
01 22 23 00-1072	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,695.48	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1073	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,201.01	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,363.15*	
01 22 23 00-1074	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,373.38	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-1,454.28*	
01 22 23 00-1075	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,007.60	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1076	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	51,137.38	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,640.60*	
01 22 23 00-1077	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,832.93	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-1,597.89*	
01 22 23 00-1078	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	17,616.03	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1079	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	55,962.67	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,833.61*	

01 22 23 00-1080 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-1033)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-1081	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,190.51	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1082	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	8,482.44	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1083	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	28,561.88	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-737.58*	
01 22 23 00-1084	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,518.90	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1085	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,694.03	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1086	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	35,196.67	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,002.97*	
01 22 23 00-1087	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	3,734.32	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1088	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	12,266.56	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1089	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	39,912.82	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,191.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1090	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,165.15	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1091	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	13,839.09	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1092	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	44,623.23	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,380.03*	
01 22 23 00-1093	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,369.79	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1094	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	15,411.62	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1095	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	49,345.12	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,568.91*	
01 22 23 00-1096	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,574.44	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1097	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	16,984.15	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1098	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	54,067.02	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-1,757.79*	
01 22 23 00-1099	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,249.40	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1100	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,403.98	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1101	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,316.45	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,047.76*	
01 22 23 00-1102	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,399.73	
		For Equipment Without Operator, Deduct	*-467.19*	
01 22 23 00-1103	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	34,195.81	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1104	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	105,709.18	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-3,823.47*	

01 22 23 00-1105 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-1033)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1106	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,018.43	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-387.33*	
01 22 23 00-1107	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	3,432.77	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-1108	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	11,402.60	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-136.86*	
01 22 23 00-1109	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,086.85	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-408.71*	
01 22 23 00-1110	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	3,586.73	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-1111	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	11,744.74	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-150.54*	
01 22 23 00-1112	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,069.75	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-403.36*	
01 22 23 00-1113	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	3,663.72	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-1114	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	12,257.95	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-171.07*	
01 22 23 00-1115	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,266.48	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Half Day Usage, Deduct	*-464.84*	
01 22 23 00-1116	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	4,176.93	
		For Equipment Without Operator, Deduct	*-1,841.82*	
01 22 23 00-1117	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	13,455.44	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For >6 Months (>26 Weeks), Deduct	*-218.97*	

01 22 23 00-1118 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-1033)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1119	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	790.90	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*84.51*	
		For Half Day Usage, Deduct	*-316.22*	
01 22 23 00-1120	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	2,995.69	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*230.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1121	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	10,622.09	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*528.18*	
		For >6 Months (>26 Weeks), Deduct	*-105.64*	
01 22 23 00-1122	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	813.14	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*88.96*	
		For Half Day Usage, Deduct	*-323.17*	
01 22 23 00-1123	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,056.42	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*242.92*	
01 22 23 00-1124	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	10,761.09	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*555.98*	
		For >6 Months (>26 Weeks), Deduct	*-111.20*	
01 22 23 00-1125	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	932.89	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*112.91*	
		For Half Day Usage, Deduct	*-360.60*	
01 22 23 00-1126	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,390.00	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*309.64*	
01 22 23 00-1127	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	11,530.90	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*709.94*	
		For >6 Months (>26 Weeks), Deduct	*-141.99*	
01 22 23 00-1128	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	998.84	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*126.10*	
		For Half Day Usage, Deduct	*-381.21*	
01 22 23 00-1129	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	3,361.43	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*303.92*	
01 22 23 00-1130	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	11,764.07	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*756.57*	
		For >6 Months (>26 Weeks), Deduct	*-151.31*	

01 22 23 00-1131 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-1033)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1132	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	727.61	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*71.85*	
		For Half Day Usage, Deduct	*-296.45*	
01 22 23 00-1133	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,662.96	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*164.23*	
01 22 23 00-1134	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	9,948.50	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*393.46*	
		For >6 Months (>26 Weeks), Deduct	*-78.69*	
01 22 23 00-1135	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	736.16	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*73.56*	
		For Half Day Usage, Deduct	*-299.12*	
01 22 23 00-1136	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,688.62	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*169.36*	
01 22 23 00-1137	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	10,008.38	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*405.44*	
		For >6 Months (>26 Weeks), Deduct	*-81.09*	
01 22 23 00-1138	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	915.78	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*109.48*	
		For Half Day Usage, Deduct	*-355.25*	
01 22 23 00-1139	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,082.08	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*248.05*	
01 22 23 00-1140	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	10,974.92	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*598.74*	
		For >6 Months (>26 Weeks), Deduct	*-119.75*	
01 22 23 00-1141	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	932.89	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*112.91*	
		For Half Day Usage, Deduct	*-360.60*	
01 22 23 00-1142	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,227.49	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*277.13*	
01 22 23 00-1143	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	11,488.14	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*701.39*	
		For >6 Months (>26 Weeks), Deduct	*-140.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1144	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,086.85	
		For Equipment Without Operator, Deduct	*-368.36*	
		For Propane Instead Of Gas Or Diesel, Add	*143.70*	
		For Half Day Usage, Deduct	*-408.71*	
01 22 23 00-1145	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,475.54	
		For Equipment Without Operator, Deduct	*-1,841.82*	
		For Propane Instead Of Gas Or Diesel, Add	*326.74*	
01 22 23 00-1146	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	11,915.81	
		For Equipment Without Operator, Deduct	*-7,981.20*	
		For Propane Instead Of Gas Or Diesel, Add	*786.92*	
		For >6 Months (>26 Weeks), Deduct	*-157.38*	

01 22 23 00-1147 Chain Hoists *(01 22 23 00-1033)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1148	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-1149	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1150	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-1151	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-1152	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1153	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-1154	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-1155	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1156	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-1157	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-1158	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1159	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-1160	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-1161	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1162	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-1163	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-1164	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1165	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-1166 Roof Swing Hoist *(01 22 23 00-1033)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1167	DAY	Up To 400 Lb., Manual Swing Roof Hoist	106.00	
		For Half Day Usage, Deduct	*-33.13*	
01 22 23 00-1168	WK	Up To 400 Lb., Manual Swing Roof Hoist	371.02	
01 22 23 00-1169	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,272.06	
		For >6 Months (>26 Weeks), Deduct	*-50.88*	

01 22 23 00-1170 Truck Mounted Digger Derrick *(01 22 23 00-1033)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1171	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,147.01	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-446.04*	
01 22 23 00-1172	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	4,375.39	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1173	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	15,560.92	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-217.54*	
01 22 23 00-1174	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	1,286.74	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-489.70*	
01 22 23 00-1175	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	4,794.58	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1176	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator Note: Includes lifting boom, grapple arm and auger drill.	16,678.77	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-262.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1177	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator. Note: Includes lifting boom, grapple arm and auger drill.	2,150.20	
		For Equipment Without Operator, Deduct	*-467.19*	
		For Half Day Usage, Deduct	*-759.54*	
01 22 23 00-1178	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator. Note: Includes lifting boom, grapple arm and auger drill.	7,384.96	
		For Equipment Without Operator, Deduct	*-2,335.93*	
01 22 23 00-1179	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator. Note: Includes lifting boom, grapple arm and auger drill.	23,586.44	
		For Equipment Without Operator, Deduct	*-10,122.36*	
		For >6 Months (>26 Weeks), Deduct	*-538.56*	

01 22 23 00-1180 Pumping Equipment *(01 22 23)*

01 22 23 00-1181 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1205 for larger diameter pumps.

01 22 23 00-1182	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	90.00	
		For >8 To 16 Hours Usage Per Day, Add	*36.00*	
		For >16 To 24 Hours Usage Per Day, Add	*72.00*	
01 22 23 00-1183	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	202.50	
		For >40 To 80 Hours Usage Per Week, Add	*81.00*	
		For >80 Hours Usage Per Week, Add	*162.00*	
01 22 23 00-1184	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	540.00	
		For >160 To 320 Hours Usage Per Month, Add	*216.00*	
		For >320 Hours Usage Per Month, Add	*432.00*	
		For >6 Months (>26 Weeks), Deduct	*-21.60*	
01 22 23 00-1185	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	108.00	
		For >8 To 16 Hours Usage Per Day, Add	*43.20*	
		For >16 To 24 Hours Usage Per Day, Add	*86.40*	
01 22 23 00-1186	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	243.00	
		For >40 To 80 Hours Usage Per Week, Add	*97.20*	
		For >80 Hours Usage Per Week, Add	*194.40*	
01 22 23 00-1187	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	648.00	
		For >160 To 320 Hours Usage Per Month, Add	*259.20*	
		For >320 Hours Usage Per Month, Add	*518.40*	
		For >6 Months (>26 Weeks), Deduct	*-25.92*	

01 22 23 00-1188 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1189	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	103.50	
		For >8 To 16 Hours Usage Per Day, Add	*41.40*	
		For >16 To 24 Hours Usage Per Day, Add	*82.80*	
01 22 23 00-1190	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	292.50	
		For >40 To 80 Hours Usage Per Week, Add	*117.00*	
		For >80 Hours Usage Per Week, Add	*234.00*	
01 22 23 00-1191	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	742.50	
		For >160 To 320 Hours Usage Per Month, Add	*297.00*	
		For >320 Hours Usage Per Month, Add	*594.00*	
		For >6 Months (>26 Weeks), Deduct	*-29.70*	
01 22 23 00-1192	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	126.00	
		For >8 To 16 Hours Usage Per Day, Add	*50.40*	
		For >16 To 24 Hours Usage Per Day, Add	*100.80*	
01 22 23 00-1193	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	337.50	
		For >40 To 80 Hours Usage Per Week, Add	*135.00*	
		For >80 Hours Usage Per Week, Add	*270.00*	
01 22 23 00-1194	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	956.25	
		For >160 To 320 Hours Usage Per Month, Add	*382.50*	
		For >320 Hours Usage Per Month, Add	*765.00*	
		For >6 Months (>26 Weeks), Deduct	*-38.25*	

01 22 23 00-1195 Gas Powered Portable Trash Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1196	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	130.50	
		For >8 To 16 Hours Usage Per Day, Add	*52.20*	
		For >16 To 24 Hours Usage Per Day, Add	*104.40*	
01 22 23 00-1197	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	270.00	
		For >40 To 80 Hours Usage Per Week, Add	*108.00*	
		For >80 Hours Usage Per Week, Add	*216.00*	
01 22 23 00-1198	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	810.00	
		For >160 To 320 Hours Usage Per Month, Add	*324.00*	
		For >320 Hours Usage Per Month, Add	*648.00*	
		For >6 Months (>26 Weeks), Deduct	*-32.40*	
01 22 23 00-1199	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	130.50	
		For >8 To 16 Hours Usage Per Day, Add	*52.20*	
		For >16 To 24 Hours Usage Per Day, Add	*104.40*	
01 22 23 00-1200	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	348.75	
		For >40 To 80 Hours Usage Per Week, Add	*139.50*	
		For >80 Hours Usage Per Week, Add	*279.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1201	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	956.25	
		For >160 To 320 Hours Usage Per Month, Add	*382.50*	
		For >320 Hours Usage Per Month, Add	*765.00*	
		For >6 Months (>26 Weeks), Deduct	*-38.25*	
01 22 23 00-1202	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	207.00	
		For >8 To 16 Hours Usage Per Day, Add	*82.80*	
		For >16 To 24 Hours Usage Per Day, Add	*165.60*	
01 22 23 00-1203	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	585.00	
		For >40 To 80 Hours Usage Per Week, Add	*234.00*	
		For >80 Hours Usage Per Week, Add	*468.00*	
01 22 23 00-1204	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,698.75	
		For >160 To 320 Hours Usage Per Month, Add	*679.50*	
		For >320 Hours Usage Per Month, Add	*1,359.00*	
		For >6 Months (>26 Weeks), Deduct	*-67.95*	

01 22 23 00-1205 Diesel Powered Portable Trash Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1206	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	405.00	
		For >8 To 16 Hours Usage Per Day, Add	*162.00*	
		For >16 To 24 Hours Usage Per Day, Add	*324.00*	
01 22 23 00-1207	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,102.50	
		For >40 To 80 Hours Usage Per Week, Add	*441.00*	
		For >80 Hours Usage Per Week, Add	*882.00*	
01 22 23 00-1208	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,803.75	
		For >160 To 320 Hours Usage Per Month, Add	*1,921.50*	
		For >320 Hours Usage Per Month, Add	*3,843.00*	
		For >6 Months (>26 Weeks), Deduct	*-192.15*	
01 22 23 00-1209	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	618.75	
		For >8 To 16 Hours Usage Per Day, Add	*247.50*	
		For >16 To 24 Hours Usage Per Day, Add	*495.00*	
01 22 23 00-1210	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,620.00	
		For >40 To 80 Hours Usage Per Week, Add	*648.00*	
		For >80 Hours Usage Per Week, Add	*1,296.00*	
01 22 23 00-1211	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,308.75	
		For >160 To 320 Hours Usage Per Month, Add	*1,723.50*	
		For >320 Hours Usage Per Month, Add	*3,447.00*	
		For >6 Months (>26 Weeks), Deduct	*-172.35*	
01 22 23 00-1212	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	841.50	
		For >8 To 16 Hours Usage Per Day, Add	*336.60*	
		For >16 To 24 Hours Usage Per Day, Add	*673.20*	
01 22 23 00-1213	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,252.25	
		For >40 To 80 Hours Usage Per Week, Add	*900.90*	
		For >80 Hours Usage Per Week, Add	*1,801.80*	
01 22 23 00-1214	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	6,025.50	
		For >160 To 320 Hours Usage Per Month, Add	*2,410.20*	
		For >320 Hours Usage Per Month, Add	*4,820.40*	
		For >6 Months (>26 Weeks), Deduct	*-241.02*	
01 22 23 00-1215	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,089.00	
		For >8 To 16 Hours Usage Per Day, Add	*435.60*	
		For >16 To 24 Hours Usage Per Day, Add	*871.20*	
01 22 23 00-1216	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,781.00	
		For >40 To 80 Hours Usage Per Week, Add	*1,112.40*	
		For >80 Hours Usage Per Week, Add	*2,224.80*	
01 22 23 00-1217	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	8,167.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,267.00*	
		For >320 Hours Usage Per Month, Add	*6,534.00*	
		For >6 Months (>26 Weeks), Deduct	*-326.70*	

01 22 23 00-1218 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1219	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	578.25	
		For >8 To 16 Hours Usage Per Day, Add	*231.30*	
		For >16 To 24 Hours Usage Per Day, Add	*462.60*	
01 22 23 00-1220	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,316.25	
		For >40 To 80 Hours Usage Per Week, Add	*526.50*	
		For >80 Hours Usage Per Week, Add	*1,053.00*	
01 22 23 00-1221	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,104.00	
		For >160 To 320 Hours Usage Per Month, Add	*1,641.60*	
		For >320 Hours Usage Per Month, Add	*3,283.20*	
		For >6 Months (>26 Weeks), Deduct	*-164.16*	
01 22 23 00-1222	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	708.75	
		For >8 To 16 Hours Usage Per Day, Add	*283.50*	
		For >16 To 24 Hours Usage Per Day, Add	*567.00*	
01 22 23 00-1223	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,766.25	
		For >40 To 80 Hours Usage Per Week, Add	*706.50*	
		For >80 Hours Usage Per Week, Add	*1,413.00*	
01 22 23 00-1224	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,803.75	
		For >160 To 320 Hours Usage Per Month, Add	*1,921.50*	
		For >320 Hours Usage Per Month, Add	*3,843.00*	
		For >6 Months (>26 Weeks), Deduct	*-192.15*	
01 22 23 00-1225	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	855.00	
		For >8 To 16 Hours Usage Per Day, Add	*342.00*	
		For >16 To 24 Hours Usage Per Day, Add	*684.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1226	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,529.00	
		For >40 To 80 Hours Usage Per Week, Add	*1,011.60*	
		For >80 Hours Usage Per Week, Add	*2,023.20*	
01 22 23 00-1227	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,053.75	
		For >160 To 320 Hours Usage Per Month, Add	*2,821.50*	
		For >320 Hours Usage Per Month, Add	*5,643.00*	
		For >6 Months (>26 Weeks), Deduct	*-282.15*	
01 22 23 00-1228	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,287.00	
		For >8 To 16 Hours Usage Per Day, Add	*514.80*	
		For >16 To 24 Hours Usage Per Day, Add	*1,029.60*	
01 22 23 00-1229	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,287.25	
		For >40 To 80 Hours Usage Per Week, Add	*1,314.90*	
		For >80 Hours Usage Per Week, Add	*2,629.80*	
01 22 23 00-1230	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	9,652.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,861.00*	
		For >320 Hours Usage Per Month, Add	*7,722.00*	
		For >6 Months (>26 Weeks), Deduct	*-386.10*	

01 22 23 00-1231 3 Phase Electric Submersible Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1232	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	225.00	
01 22 23 00-1233	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	562.50	
01 22 23 00-1234	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,687.50	
		For >6 Months (>26 Weeks), Deduct	*-67.50*	
01 22 23 00-1235	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	297.00	
01 22 23 00-1236	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	742.50	
01 22 23 00-1237	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,227.50	
		For >6 Months (>26 Weeks), Deduct	*-89.10*	

01 22 23 00-1238 Suction Hose With Couplings *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1239	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	4.67	
		For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1240	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	11.67	
01 22 23 00-1241	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	35.79	
		For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1242	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	12.45	
		For Half Day Usage, Deduct	*-3.89*	
01 22 23 00-1243	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	31.90	
01 22 23 00-1244	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	97.25	
		For >6 Months (>26 Weeks), Deduct	*-3.89*	
01 22 23 00-1245	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	18.67	
		For Half Day Usage, Deduct	*-5.83*	
01 22 23 00-1246	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	47.46	
01 22 23 00-1247	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	143.93	
		For >6 Months (>26 Weeks), Deduct	*-5.76*	
01 22 23 00-1248	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	23.34	
		For Half Day Usage, Deduct	*-7.29*	
01 22 23 00-1249	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	58.35	
01 22 23 00-1250	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	171.16	
		For >6 Months (>26 Weeks), Deduct	*-6.85*	
01 22 23 00-1251	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	54.46	
		For Half Day Usage, Deduct	*-17.02*	
01 22 23 00-1252	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	140.04	
01 22 23 00-1253	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	412.34	
		For >6 Months (>26 Weeks), Deduct	*-16.49*	
01 22 23 00-1254	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	73.13	
		For Half Day Usage, Deduct	*-22.85*	
01 22 23 00-1255	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	159.49	
01 22 23 00-1256	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	478.47	
		For >6 Months (>26 Weeks), Deduct	*-19.14*	

01 22 23 00-1257 Discharge Hose With Couplings *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1258	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	4.67	
		For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1259	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.67	
01 22 23 00-1260	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	35.79	
		For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1261	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.45	
		For Half Day Usage, Deduct	*-1.70*	
01 22 23 00-1262	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	13.23	
01 22 23 00-1263	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	41.23	
		For >6 Months (>26 Weeks), Deduct	*-1.65*	
01 22 23 00-1264	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.22	
		For Half Day Usage, Deduct	*-1.94*	
01 22 23 00-1265	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1266	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	47.46	
		For >6 Months (>26 Weeks), Deduct	*-1.90*	
01 22 23 00-1267	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.34	
		For Half Day Usage, Deduct	*-5.11*	
01 22 23 00-1268	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.01	
01 22 23 00-1269	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	120.59	
		For >6 Months (>26 Weeks), Deduct	*-4.82*	
01 22 23 00-1270	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.23	
		For Half Day Usage, Deduct	*-6.32*	
01 22 23 00-1271	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	55.24	
01 22 23 00-1272	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	151.71	
		For >6 Months (>26 Weeks), Deduct	*-6.07*	
01 22 23 00-1273	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	15.56	
		For Half Day Usage, Deduct	*-4.86*	
01 22 23 00-1274	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	38.90	
01 22 23 00-1275	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	116.70	
		For >6 Months (>26 Weeks), Deduct	*-4.67*	
01 22 23 00-1276	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	39.68	
		For Half Day Usage, Deduct	*-12.40*	
01 22 23 00-1277	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	101.14	
01 22 23 00-1278	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	299.53	
		For >6 Months (>26 Weeks), Deduct	*-11.98*	

01 22 23 00-1279 Hydraulic Submersible Pumps *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1280 Hydraulic Submersible Pumps *(01 22 23 00-1279)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1281	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	148.50	
		For >8 To 16 Hours Usage Per Day, Add	*59.40*	
		For >16 To 24 Hours Usage Per Day, Add	*118.80*	
01 22 23 00-1282	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	398.25	
		For >40 To 80 Hours Usage Per Week, Add	*159.30*	
		For >80 Hours Usage Per Week, Add	*318.60*	
01 22 23 00-1283	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,113.75	
		For >160 To 320 Hours Usage Per Month, Add	*445.50*	
		For >320 Hours Usage Per Month, Add	*891.00*	
		For >6 Months (>26 Weeks), Deduct	*-44.55*	
01 22 23 00-1284	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	189.00	
		For >8 To 16 Hours Usage Per Day, Add	*75.60*	
		For >16 To 24 Hours Usage Per Day, Add	*151.20*	
01 22 23 00-1285	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	486.00	
		For >40 To 80 Hours Usage Per Week, Add	*194.40*	
		For >80 Hours Usage Per Week, Add	*388.80*	
01 22 23 00-1286	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,485.00	
		For >160 To 320 Hours Usage Per Month, Add	*594.00*	
		For >320 Hours Usage Per Month, Add	*1,188.00*	
		For >6 Months (>26 Weeks), Deduct	*-59.40*	

01 22 23 00-1287 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1279)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1288	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	343.12	
		For >8 To 16 Hours Usage Per Day, Add	*137.25*	
		For >16 To 24 Hours Usage Per Day, Add	*274.50*	
01 22 23 00-1289	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,023.75	
		For >40 To 80 Hours Usage Per Week, Add	*409.50*	
		For >80 Hours Usage Per Week, Add	*819.00*	
01 22 23 00-1290	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,700.00	
		For >160 To 320 Hours Usage Per Month, Add	*1,080.00*	
		For >320 Hours Usage Per Month, Add	*2,160.00*	
		For >6 Months (>26 Weeks), Deduct	*-108.00*	

01 22 23 00-1291 HDPE Pipe With Couplings *(01 22 23 00-1180)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1292	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	14.70	
		For Half Day Usage, Deduct	*-4.59*	
01 22 23 00-1293	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	35.27	
01 22 23 00-1294	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	108.75	
		For >6 Months (>26 Weeks), Deduct	*-4.35*	
01 22 23 00-1295	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	23.51	
		For Half Day Usage, Deduct	*-7.35*	
01 22 23 00-1296	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	58.79	
01 22 23 00-1297	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	179.30	
		For >6 Months (>26 Weeks), Deduct	*-7.17*	
01 22 23 00-1298	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	38.21	
		For Half Day Usage, Deduct	*-11.94*	
01 22 23 00-1299	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	99.94	
01 22 23 00-1300	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	296.87	
		For >6 Months (>26 Weeks), Deduct	*-11.87*	
01 22 23 00-1301	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1302	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	120.51	
01 22 23 00-1303	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1304	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1305	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	97.00	
01 22 23 00-1306	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	293.93	
		For >6 Months (>26 Weeks), Deduct	*-11.76*	
01 22 23 00-1307	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1308	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1309	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1310	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	41.15	
		For Half Day Usage, Deduct	*-12.86*	
01 22 23 00-1311	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	105.81	
01 22 23 00-1312	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	323.32	
		For >6 Months (>26 Weeks), Deduct	*-12.93*	
01 22 23 00-1313	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1314	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1315	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1316	DAY	10" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1317	WK	10" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1318	MO	10" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1319	DAY	12" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1320	WK	12" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1321	MO	12" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1322	DAY	4" Diameter Tee For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1323	WK	4" Diameter Tee For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1324	MO	4" Diameter Tee For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1325	DAY	6" Diameter Tee For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1326	WK	6" Diameter Tee For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1327	MO	6" Diameter Tee For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1328	DAY	8" Diameter Tee For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1329	WK	8" Diameter Tee For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1330	MO	8" Diameter Tee For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1331	DAY	10" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1332	WK	10" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1333	MO	10" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1334	DAY	12" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1335	WK	12" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1336	MO	12" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1337	DAY	4" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1338	WK	4" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1339	MO	4" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1340	DAY	6" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1341	WK	6" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1342	MO	6" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1343	DAY	8" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1344	WK	8" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1345	MO	8" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1346	DAY	10" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1347	WK	10" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1348	MO	10" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1349	DAY	12" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1350	WK	12" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1351	MO	12" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1352	DAY	4" Diameter Wye For HDPE Pipe, Quick Connect	17.64	
		For Half Day Usage, Deduct	*-5.51*	
01 22 23 00-1353	WK	4" Diameter Wye For HDPE Pipe, Quick Connect	44.09	
01 22 23 00-1354	MO	4" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
		For >6 Months (>26 Weeks), Deduct	*-5.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1355	DAY	6" Diameter Wye For HDPE Pipe, Quick Connect	20.58	
		For Half Day Usage, Deduct	*-6.43*	
01 22 23 00-1356	WK	6" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
01 22 23 00-1357	MO	6" Diameter Wye For HDPE Pipe, Quick Connect	161.66	
		For >6 Months (>26 Weeks), Deduct	*-6.47*	
01 22 23 00-1358	DAY	8" Diameter Wye For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1359	WK	8" Diameter Wye For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1360	MO	8" Diameter Wye For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1361	DAY	10" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1362	WK	10" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1363	MO	10" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	
01 22 23 00-1364	DAY	12" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1365	WK	12" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1366	MO	12" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	

01 22 23 00-1367 Temporary Building Services *(01 22 23)*

01 22 23 00-1368 Boilers *(01 22 23 00-1367)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1369 Electric Boilers *(01 22 23 00-1368)*

01 22 23 00-1370	MO	40 MBH, 12 KW Electric Boiler Rental	2,882.75
01 22 23 00-1371	MO	60 MBH, 20 KW Electric Boiler Rental	3,144.86
01 22 23 00-1372	MO	95 MBH, 30 KW Electric Boiler Rental	3,275.92
01 22 23 00-1373	MO	135 MBH, 40 KW Electric Boiler Rental	3,668.96
01 22 23 00-1374	MO	165 MBH, 50 KW Electric Boiler Rental	5,110.33
01 22 23 00-1375	MO	215 MBH, 60 KW Electric Boiler Rental	5,896.56
01 22 23 00-1376	MO	365 MBH, 100 KW Electric Boiler Rental	7,731.10
01 22 23 00-1377	MO	510 MBH, 150 KW Electric Boiler Rental	9,434.58

01 22 23 00-1378 Oil Fired Hot Water Boilers *(01 22 23 00-1368)*

01 22 23 00-1379	MO	500 MBH, 15 HP, Oil Fired Hot Water Boiler Rental	2,536.21
01 22 23 00-1380	MO	1,000 MBH, 30 HP, Oil Fired Hot Water Boiler Rental	3,099.15
01 22 23 00-1381	MO	1,500 MBH, 45 HP, Oil Fired Hot Water Boiler Rental	3,663.41
01 22 23 00-1382	MO	2,000 MBH, 60 HP, Oil Fired Hot Water Boiler Rental	4,227.03
01 22 23 00-1383	MO	2,500 MBH, 75 HP, Oil Fired Hot Water Boiler Rental	4,790.64
01 22 23 00-1384	MO	3,000 MBH, 90 HP, Oil Fired Hot Water Boiler Rental	5,354.22
01 22 23 00-1385	MO	3,500 MBH, 105 HP, Oil Fired Hot Water Boiler Rental	6,763.23
01 22 23 00-1386	MO	4,000 MBH, 120 HP, Oil Fired Hot Water Boiler Rental	7,890.44
01 22 23 00-1387	MO	4,500 MBH, 135 HP, Oil Fired Hot Water Boiler Rental	7,980.11
01 22 23 00-1388	MO	5,000 MBH, 150 HP, Oil Fired Hot Water Boiler Rental	8,069.77
01 22 23 00-1389	MO	5,500 MBH, 165 HP, Oil Fired Hot Water Boiler Rental	8,454.04
01 22 23 00-1390	MO	6,000 MBH, 180 HP, Oil Fired Hot Water Boiler Rental	8,966.40
01 22 23 00-1391	MO	6,500 MBH, 195 HP, Oil Fired Hot Water Boiler Rental	9,478.77
01 22 23 00-1392	MO	7,000 MBH, 210 HP, Oil Fired Hot Water Boiler Rental	9,991.14
01 22 23 00-1393	MO	7,500 MBH, 225 HP, Oil Fired Hot Water Boiler Rental	10,503.51
01 22 23 00-1394	MO	8,000 MBH, 240 HP, Oil Fired Hot Water Boiler Rental	11,015.87
01 22 23 00-1395	MO	8,500 MBH, 255 HP, Oil Fired Hot Water Boiler Rental	11,528.24
01 22 23 00-1396	MO	9,000 MBH, 270 HP, Oil Fired Hot Water Boiler Rental	12,040.61
01 22 23 00-1397	MO	9,500 MBH, 285 HP, Oil Fired Hot Water Boiler Rental	12,552.97
01 22 23 00-1398	MO	10,000 MBH, 300 HP, Oil Fired Hot Water Boiler Rental	13,065.34
01 22 23 00-1399	MO	10,500 MBH, 315 HP, Oil Fired Hot Water Boiler Rental	13,577.71
01 22 23 00-1400	MO	11,000 MBH, 330 HP, Oil Fired Hot Water Boiler Rental	14,090.08
01 22 23 00-1401	MO	11,500 MBH, 345 HP, Oil Fired Hot Water Boiler Rental	14,602.44
01 22 23 00-1402	MO	12,000 MBH, 360 HP, Oil Fired Hot Water Boiler Rental	15,114.81
01 22 23 00-1403	MO	12,500 MBH, 375 HP, Oil Fired Hot Water Boiler Rental	15,627.18
01 22 23 00-1404	MO	13,000 MBH, 390 HP, Oil Fired Hot Water Boiler Rental	16,139.54
01 22 23 00-1405	MO	13,500 MBH, 405 HP, Oil Fired Hot Water Boiler Rental	16,651.90
01 22 23 00-1406	MO	14,000 MBH, 420 HP, Oil Fired Hot Water Boiler Rental	17,164.26
01 22 23 00-1407	MO	14,500 MBH, 435 HP, Oil Fired Hot Water Boiler Rental	17,676.63
01 22 23 00-1408	MO	15,000 MBH, 450 HP, Oil Fired Hot Water Boiler Rental	18,189.00
01 22 23 00-1409	MO	15,500 MBH, 465 HP, Oil Fired Hot Water Boiler Rental	18,701.37
01 22 23 00-1410	MO	16,000 MBH, 480 HP, Oil Fired Hot Water Boiler Rental	19,213.73
01 22 23 00-1411	MO	16,500 MBH, 495 HP, Oil Fired Hot Water Boiler Rental	19,726.10
01 22 23 00-1412	MO	17,000 MBH, 510 HP, Oil Fired Hot Water Boiler Rental	20,238.47

01 22 23 00-1413 Boilers Set-up *(01 22 23 00-1368)*

01 22 23 00-1414	EA	Set-up Charge For Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,211.48

01 22 23 00-1415 Chillers *(01 22 23 00-1367)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1416 Air-Cooled Chillers *(01 22 23 00-1415)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1417	MO	25 Ton Air-Cooled Chiller Rental	2,552.14	
		For >3 To 6 Month Rental, Deduct	*-382.82*	
		For >6 Months (>26 Weeks), Deduct	*-638.04*	
01 22 23 00-1418	MO	40 Ton Air-Cooled Chiller Rental	4,083.43	
		For >3 To 6 Month Rental, Deduct	*-612.51*	
		For >6 Months (>26 Weeks), Deduct	*-1,020.86*	
01 22 23 00-1419	MO	60 Ton Air-Cooled Chiller Rental	4,994.49	
		For >3 To 6 Month Rental, Deduct	*-749.17*	
		For >6 Months (>26 Weeks), Deduct	*-1,248.62*	
01 22 23 00-1420	MO	80 Ton Air-Cooled Chiller Rental	5,905.56	
		For >3 To 6 Month Rental, Deduct	*-885.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,476.39*	
01 22 23 00-1421	MO	100 Ton Air-Cooled Chiller Rental	6,816.62	
		For >3 To 6 Month Rental, Deduct	*-1,022.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,704.16*	
01 22 23 00-1422	MO	125 Ton Air-Cooled Chiller Rental	7,897.19	
		For >3 To 6 Month Rental, Deduct	*-1,184.58*	
		For >6 Months (>26 Weeks), Deduct	*-1,974.30*	
01 22 23 00-1423	MO	155 Ton Air-Cooled Chiller Rental	9,553.67	
		For >3 To 6 Month Rental, Deduct	*-1,433.05*	
		For >6 Months (>26 Weeks), Deduct	*-2,388.42*	
01 22 23 00-1424	MO	170 Ton Air-Cooled Chiller Rental	10,216.26	
		For >3 To 6 Month Rental, Deduct	*-1,532.44*	
		For >6 Months (>26 Weeks), Deduct	*-2,554.07*	
01 22 23 00-1425	MO	200 Ton Air-Cooled Chiller Rental	11,735.99	
		For >3 To 6 Month Rental, Deduct	*-1,760.40*	
		For >6 Months (>26 Weeks), Deduct	*-2,934.00*	
01 22 23 00-1426	MO	250 Ton Air-Cooled Chiller Rental	13,964.54	
		For >3 To 6 Month Rental, Deduct	*-2,094.68*	
		For >6 Months (>26 Weeks), Deduct	*-3,491.14*	
01 22 23 00-1427	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,295.18	
		For >3 To 6 Month Rental, Deduct	*-2,444.28*	
		For >6 Months (>26 Weeks), Deduct	*-4,073.80*	
01 22 23 00-1428	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,495.77	
		For >3 To 6 Month Rental, Deduct	*-3,224.37*	
		For >6 Months (>26 Weeks), Deduct	*-5,373.94*	
01 22 23 00-1429	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,607.75	
		For >3 To 6 Month Rental, Deduct	*-3,991.16*	
		For >6 Months (>26 Weeks), Deduct	*-6,651.94*	
01 22 23 00-1430	EA	Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,707.98	

01 22 23 00-1431 Chiller Rental Accessories *(01 22 23 00-1415)*

01 22 23 00-1432	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.48	
01 22 23 00-1433	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.84	

01 22 23 00-1434 Cooling Tower *(01 22 23 00-1367)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1435	MO	100 Ton Cooling Tower Rental	3,702.23	
		For >3 To 6 Months Rental, Deduct	*-555.33*	
		For >6 Months (>26 Weeks), Deduct	*-925.56*	
01 22 23 00-1436	MO	200 Ton Cooling Tower Rental	6,739.50	
		For >3 To 6 Months Rental, Deduct	*-1,010.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,684.88*	
01 22 23 00-1437	MO	250 Ton Cooling Tower Rental	7,632.17	
		For >3 To 6 Months Rental, Deduct	*-1,144.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,908.04*	
01 22 23 00-1438	MO	300 Ton Cooling Tower Rental	8,626.56	
		For >3 To 6 Months Rental, Deduct	*-1,293.98*	
		For >6 Months (>26 Weeks), Deduct	*-2,156.64*	
01 22 23 00-1439	MO	400 Ton Cooling Tower Rental	10,783.20	
		For >3 To 6 Months Rental, Deduct	*-1,617.48*	
		For >6 Months (>26 Weeks), Deduct	*-2,695.80*	
01 22 23 00-1440	MO	500 Ton Cooling Tower Rental	12,607.41	
		For >3 To 6 Months Rental, Deduct	*-1,891.11*	
		For >6 Months (>26 Weeks), Deduct	*-3,151.85*	
01 22 23 00-1441	MO	Set-up Charge For Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,707.98	

01 22 23 00-1442 Emergency Cooler/Freezer *(01 22 23 00-1367)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1443	DAY	8 x 6 x 7 Emergency Cooler Rental	151.76	
		For Half Day Usage, Deduct	*-47.43*	
01 22 23 00-1444	WK	8 x 6 x 7 Emergency Cooler Rental	809.40	
01 22 23 00-1445	DAY	10 x 7 x 7 Emergency Cooler Rental	303.52	
		For Half Day Usage, Deduct	*-94.85*	
01 22 23 00-1446	WK	10 x 7 x 7 Emergency Cooler Rental	1,214.10	
01 22 23 00-1447	MO	10 x 7 x 7 Emergency Cooler Rental	3,035.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1448	DAY	10 x 7 x 7 Emergency Freezer Rental	354.11	
		For Half Day Usage, Deduct	*-110.66*	
01 22 23 00-1449	WK	10 x 7 x 7 Emergency Freezer Rental	1,416.45	
01 22 23 00-1450	MO	10 x 7 x 7 Emergency Freezer Rental	3,642.30	
01 22 23 00-1451	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	404.70	
		For Half Day Usage, Deduct	*-126.47*	
01 22 23 00-1452	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,618.80	
01 22 23 00-1453	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	4,047.00	

01 22 23 00-1454 Fuel Oil Tank *(01 22 23 00-1367)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0880 for reimbursable fuel fees.

01 22 23 00-1455	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	438.74	
		For >6 Months (>26 Weeks), Deduct	*-17.55*	
01 22 23 00-1456	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	682.48	
		For >6 Months (>26 Weeks), Deduct	*-27.30*	
01 22 23 00-1457	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,706.20	
		For >6 Months (>26 Weeks), Deduct	*-68.25*	
01 22 23 00-1458	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,843.66	
		For >6 Months (>26 Weeks), Deduct	*-113.75*	
01 22 23 00-1459	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,753.63	
		For >6 Months (>26 Weeks), Deduct	*-150.15*	
01 22 23 00-1460	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,705.63	
		For >6 Months (>26 Weeks), Deduct	*-268.23*	

01 22 23 00-1461 Portable Spot Cooling Units *(01 22 23 00-1367)*

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1462	DAY	1 Ton Portable Spot Cooling Unit	161.07	
		For Half Day Usage, Deduct	*-50.33*	
01 22 23 00-1463	WK	1 Ton Portable Spot Cooling Unit	348.98	
01 22 23 00-1464	MO	1 Ton Portable Spot Cooling Unit	824.97	
		For >6 Months (>26 Weeks), Deduct	*-33.00*	
01 22 23 00-1465	DAY	1.5 Ton Portable Spot Cooling Unit	210.63	
		For Half Day Usage, Deduct	*-65.82*	
01 22 23 00-1466	WK	1.5 Ton Portable Spot Cooling Unit	432.62	
01 22 23 00-1467	MO	1.5 Ton Portable Spot Cooling Unit	1,014.95	
		For >6 Months (>26 Weeks), Deduct	*-40.60*	
01 22 23 00-1468	DAY	2 Ton Portable Spot Cooling Unit	283.94	
		For Half Day Usage, Deduct	*-88.73*	
01 22 23 00-1469	WK	2 Ton Portable Spot Cooling Unit	593.69	
01 22 23 00-1470	MO	2 Ton Portable Spot Cooling Unit	1,099.61	
		For >6 Months (>26 Weeks), Deduct	*-43.98*	
01 22 23 00-1471	DAY	3 Ton Portable Spot Cooling Unit	297.36	
		For Half Day Usage, Deduct	*-92.93*	
01 22 23 00-1472	WK	3 Ton Portable Spot Cooling Unit	629.82	
01 22 23 00-1473	MO	3 Ton Portable Spot Cooling Unit	1,391.81	
		For >6 Months (>26 Weeks), Deduct	*-55.67*	
01 22 23 00-1474	DAY	5 Ton Portable Spot Cooling Unit	464.62	
		For Half Day Usage, Deduct	*-145.19*	
01 22 23 00-1475	WK	5 Ton Portable Spot Cooling Unit	939.58	
01 22 23 00-1476	MO	5 Ton Portable Spot Cooling Unit	1,952.46	
		For >6 Months (>26 Weeks), Deduct	*-78.10*	
01 22 23 00-1477	DAY	10 To 12 Ton Portable Spot Cooling Unit	607.11	
		For Half Day Usage, Deduct	*-189.72*	
01 22 23 00-1478	WK	10 To 12 Ton Portable Spot Cooling Unit	1,368.06	
01 22 23 00-1479	MO	10 To 12 Ton Portable Spot Cooling Unit	3,301.94	
		For >6 Months (>26 Weeks), Deduct	*-132.08*	
01 22 23 00-1480	DAY	20 Ton Portable Spot Cooling Unit	696.94	
		For Half Day Usage, Deduct	*-217.79*	
01 22 23 00-1481	WK	20 Ton Portable Spot Cooling Unit	1,600.38	
01 22 23 00-1482	MO	20 Ton Portable Spot Cooling Unit	4,460.40	
		For >6 Months (>26 Weeks), Deduct	*-178.42*	
01 22 23 00-1483	DAY	25 Ton Portable Spot Cooling Unit	991.20	
		For Half Day Usage, Deduct	*-309.75*	
01 22 23 00-1484	WK	25 Ton Portable Spot Cooling Unit	2,008.21	
01 22 23 00-1485	MO	25 Ton Portable Spot Cooling Unit	4,672.06	
		For >6 Months (>26 Weeks), Deduct	*-186.88*	
01 22 23 00-1486	EA	Set-up Charge For Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	136.44	
01 22 23 00-1487	EA	Set-up Charge For Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	320.47	
01 22 23 00-1488	EA	Set-up Charge For Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	485.77	

01 22 23 00-1489 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1490 Trucks *(01 22 23 00-1489)*

Note: Includes driver, delivery to job site and pick-up when complete.

01 22 23 00-1491 Flat Bed Trucks *(01 22 23 00-1490)*

Note: Includes hydraulic tilt bed.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1492	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	842.29	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-364.79*	
01 22 23 00-1493	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,496.57	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1494	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,727.49	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-79.61*	
01 22 23 00-1495	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	972.27	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-405.41*	
01 22 23 00-1496	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,829.63	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1497	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,580.45	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-113.73*	
01 22 23 00-1498	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,065.52	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-434.55*	
01 22 23 00-1499	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,186.09	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1500	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,937.08	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-167.99*	

01 22 23 00-1501 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1490)*

01 22 23 00-1502	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	317.74	
		For Half Day Usage, Deduct	*-99.29*	
01 22 23 00-1503	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	734.78	
01 22 23 00-1504	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,588.72	
		For >6 Months (>26 Weeks), Deduct	*-63.55*	
01 22 23 00-1505	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	327.67	
		For Half Day Usage, Deduct	*-102.40*	
01 22 23 00-1506	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	764.57	
01 22 23 00-1507	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,688.02	
		For >6 Months (>26 Weeks), Deduct	*-67.52*	

01 22 23 00-1508 Light And Heavy Duty Trucks *(01 22 23 00-1490)*

01 22 23 00-1509	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	738.33	
		For Equipment Without Operator, Deduct	*-479.88*	
		For Half Day Usage, Deduct	*-320.71*	
01 22 23 00-1510	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,247.45	
		For Equipment Without Operator, Deduct	*-2,399.42*	
01 22 23 00-1511	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	12,174.32	
		For Equipment Without Operator, Deduct	*-10,397.49*	
		For >6 Months (>26 Weeks), Deduct	*-71.07*	
01 22 23 00-1512	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	786.79	
		For Equipment Without Operator, Deduct	*-479.88*	
		For Half Day Usage, Deduct	*-335.85*	
01 22 23 00-1513	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	3,392.83	
		For Equipment Without Operator, Deduct	*-2,399.42*	
01 22 23 00-1514	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	12,497.38	
		For Equipment Without Operator, Deduct	*-10,397.49*	
		For >6 Months (>26 Weeks), Deduct	*-84.00*	

01 22 23 00-1515 Rear Dump Trucks *(01 22 23 00-1490)*

01 22 23 00-1516	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	906.90	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-384.98*	
01 22 23 00-1517	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	3,673.15	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1518	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	14,690.46	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-118.13*	
01 22 23 00-1519	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,027.97	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-422.81*	
01 22 23 00-1520	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	4,048.26	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1521	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	15,210.45	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-138.93*	
01 22 23 00-1522	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,097.44	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-444.52*	
01 22 23 00-1523	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	4,197.11	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1524	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	15,309.69	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-142.90*	
01 22 23 00-1525	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	1,921.09	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-701.91*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1526	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	5,894.03	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1527	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	20,072.97	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-333.43*	
01 22 23 00-1528	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,059.02	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-745.02*	
01 22 23 00-1529	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	6,212.58	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1530	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	20,906.54	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-366.77*	

01 22 23 00-1531 Under-Bridge Inspection Trucks *(01 22 23 00-1490)*

01 22 23 00-1532	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,590.08	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-1,535.97*	
01 22 23 00-1533	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	20,762.07	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1534	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	75,733.37	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-2,559.85*	
01 22 23 00-1535	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,137.15	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-1,706.93*	
01 22 23 00-1536	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	21,856.21	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1537	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	79,862.16	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-2,725.00*	
01 22 23 00-1538	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,465.40	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-1,809.51*	
01 22 23 00-1539	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	23,497.44	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1540	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	83,990.95	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-2,890.15*	
01 22 23 00-1541	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	6,887.79	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-2,254.01*	
01 22 23 00-1542	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	30,062.34	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1543	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	104,634.86	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-3,715.91*	

01 22 23 00-1544 Vacuum Trucks *(01 22 23 00-1490)*

01 22 23 00-1545	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	953.34	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-399.49*	
01 22 23 00-1546	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	3,935.38	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1547	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	15,361.11	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-144.96*	
01 22 23 00-1548	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,911.16	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-698.81*	
01 22 23 00-1549	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,832.80	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1550	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	23,907.41	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-486.81*	

01 22 23 00-1551 Water Trucks *(01 22 23 00-1490)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1257 for additional discharge hose, 01 22 23 00-1591 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1552	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,268.11	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-497.86*	
01 22 23 00-1553	WK	2,000 Gallon Water Truck With Full-Time Driver	4,621.42	
		For Equipment Without Operator, Deduct	*-2,708.59*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1554	MO	2,000 Gallon Water Truck With Full-Time Driver	16,256.99	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-180.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1555	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,623.23	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-608.83*	
01 22 23 00-1556	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	5,686.79	
		For Equipment Without Operator, Deduct	*-2,708.59*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1557	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	19,001.13	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-290.56*	

01 22 23 00-1558 Asphalt Distribution Trucks *(01 22 23 00-1490)*

01 22 23 00-1559	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,934.09	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-705.98*	
01 22 23 00-1560	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	6,867.82	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1561	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	24,032.96	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-491.83*	

01 22 23 00-1562 Boom Trucks *(01 22 23 00-1490)*

01 22 23 00-1563	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,101.43	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-445.77*	
01 22 23 00-1564	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	4,165.95	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1565	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	15,433.42	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-147.85*	

01 22 23 00-1566 Straight/Box Trucks *(01 22 23 00-1490)*

01 22 23 00-1567	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	670.07	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-310.97*	
01 22 23 00-1568	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	3,350.35	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1569	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	13,631.63	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-75.78*	

01 22 23 00-1570 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1490)*

01 22 23 00-1571	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,225.29	
		For Equipment Without Operator, Deduct	*-479.88*	
		For Half Day Usage, Deduct	*-472.88*	
01 22 23 00-1572	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	4,599.34	
		For Equipment Without Operator, Deduct	*-2,399.42*	
01 22 23 00-1573	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	15,739.92	
		For Equipment Without Operator, Deduct	*-10,397.49*	
		For >6 Months (>26 Weeks), Deduct	*-213.70*	

01 22 23 00-1574 Vacuum Sweeper Trucks For Bridge Decks *(01 22 23 00-1490)*

01 22 23 00-1575	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	1,911.16	
		For Equipment Without Operator, Deduct	*-541.72*	
		For Half Day Usage, Deduct	*-698.81*	
01 22 23 00-1576	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	6,832.80	
		For Equipment Without Operator, Deduct	*-2,708.59*	
01 22 23 00-1577	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	23,907.41	
		For Equipment Without Operator, Deduct	*-11,737.23*	
		For >6 Months (>26 Weeks), Deduct	*-486.81*	

01 22 23 00-1578 Truck Mounted Accessories *(01 22 23 00-1489)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1579 Truck Mounted Arrow Boards *(01 22 23 00-1578)*

01 22 23 00-1580	DAY	Truck Mounted Arrow Board	55.92	
		For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1581	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1582	MO	Truck Mounted Arrow Board	792.98	
		For >6 Months (>26 Weeks), Deduct	*-31.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1583 Snow Removal Equipment *(01 22 23 00-1578)*
See CSI section 01 22 23 00-1490 for truck information.

01 22 23 00-1584	DAY	One Way Type Snow Plow Attachment For Trucks	185.37	
		For Half Day Usage, Deduct	*-57.93*	
01 22 23 00-1585	DAY	Reversible Type Snow Plow Attachment For Trucks	198.54	
		For Half Day Usage, Deduct	*-62.04*	
01 22 23 00-1586	DAY	V Type Snow Plow Attachment For Trucks	205.82	
		For Half Day Usage, Deduct	*-64.32*	
01 22 23 00-1587	DAY	Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks	85.12	
		For >10 CY Spreader, Add	*13.04*	
		For Half Day Usage, Deduct	*-26.60*	
01 22 23 00-1588	DAY	Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks	57.41	
		For Half Day Usage, Deduct	*-17.94*	
01 22 23 00-1589	DAY	Salt/Sand Spreader Attachment For Pickup Trucks	57.68	
		For Half Day Usage, Deduct	*-18.03*	

01 22 23 00-1590 Trailers *(01 22 23 00-1489)*
Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1591 Water Trailers With Pump *(01 22 23 00-1590)*

01 22 23 00-1592	DAY	500 To 600 Gallon Water Trailer With Pump	185.63	
		For Half Day Usage, Deduct	*-58.01*	
01 22 23 00-1593	WK	500 To 600 Gallon Water Trailer With Pump	476.19	
01 22 23 00-1594	MO	500 To 600 Gallon Water Trailer With Pump	1,275.22	
		For >6 Months (>26 Weeks), Deduct	*-51.01*	

01 30 Administrative Requirements *(01)*

01 31 Project Management and Coordination *(01 30)*

01 31 33 Project Minimum Labor Costs *(01 31)*

01 31 33 00-0001 Minimum Charge For Labor *(01 31 33)*
Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002	EA	Minimum Charge For Brick Layer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	577.67
01 31 33 00-0003	EA	Minimum Charge For Carpenter Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	524.59
01 31 33 00-0004	EA	Minimum Charge For Carpet, Linoleum Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	499.59
01 31 33 00-0005	EA	Minimum Charge For Cement Mason Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	418.03
01 31 33 00-0006	EA	Minimum Charge For Drywall Finisher Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	401.97
01 31 33 00-0007	EA	Minimum Charge For Drywall Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	535.89
01 31 33 00-0008	EA	Minimum Charge For Electrician Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	496.07
01 31 33 00-0009	EA	Minimum Charge For Glazier Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	410.63
01 31 33 00-0010	EA	Minimum Charge For Insulator Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	513.78
01 31 33 00-0011	EA	Minimum Charge For Laborer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	374.20
01 31 33 00-0012	EA	Minimum Charge For Landscape Maintenance Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	499.20
01 31 33 00-0013	EA	Minimum Charge For Ornamental Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	533.76
01 31 33 00-0014	EA	Minimum Charge For Painter, Ordinary Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	376.97
01 31 33 00-0015	EA	Minimum Charge For Plasterer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	499.10
01 31 33 00-0016	EA	Minimum Charge For Plumber Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	788.50
01 31 33 00-0017	EA	Minimum Charge For Roofer, Composite Built-Up Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	581.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0018	EA	Minimum Charge For Roofer, Composite, Shingles Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	531.62	
01 31 33 00-0019	EA	Minimum Charge For Roofer, Tile/Slate Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	581.62	
01 31 33 00-0020	EA	Minimum Charge For Sheet Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	616.51	
01 31 33 00-0021	EA	Minimum Charge For Sprinkler Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	835.24	
01 31 33 00-0022	EA	Minimum Charge For Tile Layer (Floor) Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	584.58	

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0041 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.77
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.54

01 35 33 Infection Control Procedures *(01 35)*

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	362.89
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	515.06
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	585.30
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	468.24
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	702.36
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,404.23
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	52.66
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	140.47
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	351.06
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	438.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	106.93	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	267.32	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	534.64	
01 45 23 00-0016	EA	Moisture Density Tests, Modified AASHTO T-180, ASTM D1557	270.19	
01 45 23 00-0017	EA	Laboratory California Bearing Ratio, ASTM D1883, One Point Test, Field Soils Test	635.74	
01 45 23 00-0018	EA	Laboratory California Bearing Ratio, ASTM D1883 Three Point Test, Field Soils Test	953.61	
01 45 23 00-0019	EA	Liquid Limit, Plastic Limit and Plasticity Index, ASTM D4318, Field Soils Test	158.94	
01 45 23 00-0020		**Aggregate Testing** *(01 45 23 00-0001)*		
01 45 23 00-0021	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	117.06	
01 45 23 00-0022	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	210.71	
01 45 23 00-0023	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	292.65	
01 45 23 00-0024	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	173.76	
01 45 23 00-0025	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	185.99	
01 45 23 00-0026	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	166.75	
01 45 23 00-0027	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	247.99	
01 45 23 00-0028	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.12	
01 45 23 00-0029	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	234.12	
01 45 23 00-0030	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	175.59	
01 45 23 00-0031	EA	Fine Aggregate Durability Index, CA 229	187.30	
01 45 23 00-0032	EA	Sodium And Magnesium Soundness, ASTM C88	491.48	
01 45 23 00-0033	EA	Los Angeles Rattler, ASTM C-131, CA 211	374.59	
01 45 23 00-0034	EA	Los Angeles Rattler, ASTM C-535	374.59	
01 45 23 00-0035	EA	Unit Weight Of Aggregates, ASTM C29	105.35	
01 45 23 00-0036	EA	Organic Impurities In Sand, ASTM C40	105.32	
01 45 23 00-0037	EA	Crushed Particle, ASTM California Test Method	105.32	
01 45 23 00-0038	EA	Clay Lump And Friable Particles, ASTM C142	210.63	
01 45 23 00-0039		**Permeability Tests** *(01 45 23 00-0001)*		
01 45 23 00-0040		**In-Place Tests** *(01 45 23 00-0039)*		
01 45 23 00-0041	EA	Double Ring Infiltrometer Test, ASTM D3385	1,859.92	
01 45 23 00-0042	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	87.76	
01 45 23 00-0043		**Lab Tests** *(01 45 23 00-0039)*		
01 45 23 00-0044	EA	Falling Head Rigid Wall Consolidometer Technique CAE	867.96	
01 45 23 00-0045	EA	Falling Head Permeability Test EPA-9100	867.96	
01 45 23 00-0046	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	495.98	
01 45 23 00-0047		**Insitu Tests** *(01 45 23 00-0001)*		
01 45 23 00-0048	EA	Standard Penetration With Split Spoon	29.67	
01 45 23 00-0049	EA	Split Spoon Tripod	55.38	
01 45 23 00-0050	EA	Thin Walled Tube/Shelby	158.22	
01 45 23 00-0051	VLF	Cone Penetrometer	11.87	
01 45 23 00-0052	EA	Pressuremeter Insitu Test	296.66	
01 45 23 00-0053	VLF	Dilatometer Insitu Test	5.93	
01 45 23 00-0054	EA	Permeability	197.78	
01 45 23 00-0055	VLF	Observation Well With SB	27.69	
01 45 23 00-0056	VLF	Observation Well Without SB	39.56	
01 45 23 00-0057	EA	Slope Indicator Casing	69.22	
01 45 23 00-0058		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0059		**Concrete Testing** *(01 45 23 00-0058)*		
01 45 23 00-0060	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	16.37	
01 45 23 00-0061	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	74.40	
01 45 23 00-0062	EA	Concrete Cores Compression Test, ASTM C-42	152.18	
01 45 23 00-0063	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	222.41	
01 45 23 00-0064	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	81.94	
01 45 23 00-0065	EA	Concrete Mix Design Review	444.83	
01 45 23 00-0066	EA	Trial Concrete Batch Prepared In Laboratory	1,053.54	
01 45 23 00-0067	EA	Concrete Shrinkage, ASTM C-157 Modified	819.42	
01 45 23 00-0068	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	126.42	
01 45 23 00-0069	EA	Concrete Slump Test, ASTM C143	58.53	
01 45 23 00-0070	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	58.53	
01 45 23 00-0071		**Cement Testing** *(01 45 23 00-0058)*		
01 45 23 00-0072	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	58.53	
01 45 23 00-0073	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	93.65	
01 45 23 00-0074		**Asphaltic Concrete Testing** *(01 45 23 00-0058)*		
01 45 23 00-0075	EA	Hveem Asphaltic Concrete Stability Test, CA 366	117.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0076	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	304.36	
01 45 23 00-0077	EA	Stability Tests, Premixed, ASTM D1559	117.06	
01 45 23 00-0078	EA	Stability Tests, Lab. Mixed, ASTM D1559	304.36	
01 45 23 00-0079	EA	Swell Test, CA 305 Note: Includes compaction.	140.47	
01 45 23 00-0080	EA	% Asphalt Extraction Test, ASTM D-2172 B	351.18	
01 45 23 00-0081	EA	Gradation On Extracted Sample, ASTM D-5444	234.12	
01 45 23 00-0082	EA	Maximum Theoretical Unit Weight, ASTM C2041	223.19	
01 45 23 00-0083	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	46.82	
01 45 23 00-0084	EA	Asphalt Unit Weight On Core Test, CA 308C	46.82	
01 45 23 00-0085	HR	Nuclear Field Density Testing, 4 Hour Minimum	241.14	
01 45 23 00-0086	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	120.29	
01 45 23 00-0087	EA	Penetration, ASTM D5	169.10	

01 45 23 00-0088 Masonry/Concrete Block/Tile Testing *(01 45 23)*

01 45 23 00-0089 Masonry Testing *(01 45 23 00-0088)*

01 45 23 00-0090	EA	2" x 4" Cylinder Mortar Compression Test	77.26	
01 45 23 00-0091	EA	4" x 4" x 8" Grout Prisms Compression Test	77.26	
01 45 23 00-0092	EA	Masonry Cores Compression Test	152.18	
01 45 23 00-0093	EA	Composite Grouted Prism Compression Test	292.65	

01 45 23 00-0094 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0088)*

01 45 23 00-0095	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	187.30	
01 45 23 00-0096	EA	Absorption Test, Moisture Content And Unit Weight	128.77	
01 45 23 00-0097	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	491.48	
01 45 23 00-0098	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	245.74	

01 45 23 00-0099 Metals Testing *(01 45 23)*

01 45 23 00-0100 Tank Tightness Testing *(01 45 23 00-0099)*

01 45 23 00-0101	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	5.27	
01 45 23 00-0102	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	4.52	
01 45 23 00-0103	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	1,357.18	
01 45 23 00-0104	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	1,658.25	
01 45 23 00-0105	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	2,111.84	

01 45 23 00-0106 Tank Line Tightness Testing *(01 45 23 00-0099)*

01 45 23 00-0107	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	286.38	
01 45 23 00-0108	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	317.98	
01 45 23 00-0109	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	349.49	

01 45 23 00-0110 Other Testing *(01 45 23)*

01 45 23 00-0111 Special Testing *(01 45 23 00-0110)*

01 45 23 00-0112	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	175.53	
01 45 23 00-0113	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,053.17	
01 45 23 00-0114	EA	Total Coliform Bacteria And E. Coli Bacteria Test	54.71	
01 45 23 00-0115	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	226.93	
01 45 23 00-0116	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	226.93	
01 45 23 00-0117	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	226.93	
01 45 23 00-0118	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,248.12	

01 45 23 00-0119 Non-destructive Field Testing Services *(01 45 23 00-0110)*

01 45 23 00-0120 Infrared Thermography *(01 45 23 00-0119)*

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0121 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0120)*

Note: For on the roof surveys.

01 45 23 00-0122	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	4,084.74	
01 45 23 00-0123	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.81	
		For CADD Drawings, Add	*1.36*	
01 45 23 00-0124	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.54	
		For CADD Drawings, Add	*0.91*	
01 45 23 00-0125	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.40	
		For CADD Drawings, Add	*0.68*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.85*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.85*	
01 45 23 00-0126	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.27	
		For CADD Drawings, Add	*0.45*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.57*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0127		**Building Moisture Investigation Using Infrared Thermography** *(01 45 23 00-0120)* Note: For finding moisture in walls and windows.		
01 45 23 00-0128	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0129	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0130	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0131	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	
01 45 23 00-0132		**General Building Investigation Using Infrared Thermography** *(01 45 23 00-0120)* Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0133	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,425.14	
01 45 23 00-0134	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0135	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0136	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	
01 45 23 00-0137		**Electrical /Mechanical Equipment Scanning Using Infrared Thermography** *(01 45 23 00-0120)* Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0138	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0139	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	78.61	
		For Digital Or Analog Recording Of All Items, Add	*11.68*	
01 45 23 00-0140		**Concrete Block Wall Investigation Using Infrared Thermography** *(01 45 23 00-0120)* Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0141	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0142	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*1.02*	
01 45 23 00-0143	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*0.68*	
01 45 23 00-0144		**Other Non-destructive Field Testing Services** *(01 45 23 00-0119)*		
01 45 23 00-0145	HR	ASNT Certified Level I NDT Consultant	58.65	
01 45 23 00-0146	HR	ASNT Certified Level II NDT Consultant	66.05	
01 45 23 00-0147	HR	ASNT Certified Level III NDT Consultant	77.02	
01 45 23 00-0148	HR	Certified Industrial Radiography Radiation Safety Personnel	85.38	
01 45 23 00-0149		**Concrete Slab Moisture Testing** *(01 45 23 00-0110)*		
01 45 23 00-0150	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	166.88	
01 45 29		**Testing Laboratory Services** *(01 45)* Note: For application to existing materials/site conditions or additional testing over specifications stated tests.		
01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)* See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	161.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	51.43	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	124.00	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	867.96	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	136.08	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	37.20	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	23.11	
01 45 29 00-0009	EA	Moisture-Density Determination, Standard, ASTM D698, Soil Borings Laboratory Test	186.55	
01 45 29 00-0010	EA	Moisture-Density Determination, Modified, ASTM D1557, Soil Borings Laboratory Test	186.55	
01 45 29 00-0011	EA	Moisture-Density Determination, One Point Test, Soil Borings Laboratory Test	103.64	
01 45 29 00-0012	EA	Hydrometer Analysis, Soil Borings Laboratory Test	298.36	
01 45 29 00-0013	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	104.02	
01 45 29 00-0014	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.57	
01 45 29 00-0015	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,028.53	
01 45 29 00-0016	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	208.04	
01 45 29 00-0017	EA	Sulfate Soundness, Soil Borings Laboratory Test	257.13	
01 45 29 00-0018	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	475.98	
01 45 29 00-0019	EA	Soil Bearing Ratio, ASTM D1883	526.77	
01 45 29 00-0020	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	154.28	
01 45 29 00-0021	EA	Compaction Test Base Course, Soil Borings Laboratory Test	171.42	
01 45 29 00-0022	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	367.92	
01 45 29 00-0023	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	78.85	
01 45 29 00-0024	EA	Direct Shear Per Point, ASTM D3080, Soil Borings Laboratory Test	310.91	
01 45 29 00-0025	EA	Unconfined Compression, ASTM D2166 And D2938, Soil Borings Laboratory Test	103.64	
01 45 29 00-0026	EA	Triaxial Shear, Per Point, ASTM D2850, Unconsolidated-Undrained, Soil Borings Laboratory Test	414.54	
01 45 29 00-0027	EA	Triaxial Shear, Per Point, ASTM D2850, Consolidated-Undrained, Soil Borings Laboratory Test	777.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0028	EA	Triaxial Shear, Per Point, ASTM D2850, Consolidated-Drained, Soil Borings Laboratory Test	932.73	
01 45 29 00-0029	EA	Permeability, ASTM D2434, Soil Borings Laboratory Test	466.36	
01 45 29 00-0030	EA	Permeability, ASTM D2434, Undisturbed/Remolded, Soil Borings Laboratory Test	518.18	
01 45 29 00-0031	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 4 KSF Load, Soil Borings Laboratory Test	414.54	
01 45 29 00-0032	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 8 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0033	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 16 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0034	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 32 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0035	EA	Classification Of Soil, ASTM D2487, Soil Borings Laboratory Test	124.36	

01 45 29 00-0036 Soil Testing *(01 45 29)*

Note: Analyses must be conducted in accordance with SW846 and TACO requirements. Analytical methods provided herein are suggested methods.

01 45 29 00-0037	EA	Laboratory Analysis For VOCs (5035/8260)	240.75	
01 45 29 00-0038	EA	Laboratory Analysis For SVOCs (8270)	469.46	
01 45 29 00-0039	EA	Laboratory Analysis For Pesticides/Polychlorinated Biphenyl (PCB) (8080/8081/8082)	288.90	
01 45 29 00-0040	EA	Laboratory Analysis For Herbicides (8080/8081/8082)	409.28	
01 45 29 00-0041	EA	Laboratory Analysis For TAL Inorganics (6010/6020/7471)	361.12	
01 45 29 00-0042	EA	Laboratory Analysis For BTEX (5035/8260)	108.34	
01 45 29 00-0043	EA	Laboratory Analysis For PNAs (8270)	180.56	
01 45 29 00-0044	EA	Laboratory Analysis For RCRA Metals Including Mercury (6020/7471)	156.49	
01 45 29 00-0045	EA	Laboratory Analysis For Cyanide (9012)	48.15	
01 45 29 00-0046	EA	Laboratory Analysis For TCLP/SPLP RCRA Lead (1311/1312/6020/7471)	180.56	
01 45 29 00-0047	EA	Laboratory Analysis For pH (9045)	19.26	
01 45 29 00-0048	EA	Laboratory Analysis For Moisture, Ash, And Organic Matter Of Peat And Organic Soils (D2974)	60.19	
01 45 29 00-0049	EA	Laboratory Analysis For Waste Characterization For Full Scan Note: Detection limits must meet the minimum specified detection limits in TACO for Tier 1 Soil Remediation Objectives for residential properties.	2,648.25	
		For Expedited 5 Day Test, Add	*400.00*	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	891.05	
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,342.12	
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	2,604.77	
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,708.16	

01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,090.71	
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,365.76	
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,179.40	
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,856.34	

01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.50	
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.69	

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	224.53	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	65.03	
01 51 26 00-0004	EA	Temporary High Bay Light	219.64	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	259.19	
		For Each Delivery And Removal, Two Round Trips, Add	*1,347.22*	
		For Each Set-up (Block And Level), Add	*659.10*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*386.29*	
		For Office Trailer Without Toilet, Deduct	*-51.84*	
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	293.74	
		For Each Delivery And Removal, Two Round Trips, Add	*1,347.22*	
		For Each Set-up (Block And Level), Add	*659.10*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*386.29*	
		For Office Trailer Without Toilet, Deduct	*-58.75*	
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	397.42	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
		For Office Trailer Without Toilet, Deduct	*-79.48*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	423.34	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
		For Office Trailer Without Toilet, Deduct	*-84.67*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	466.54	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	492.46	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	400.05	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
		For Each Delivery And Removal, Two Round Trips, Add	*487.18*	
		For Each Set-up (Block And Level), Add	*613.10*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	534.86	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	636.73	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	880.37	
		For Each Delivery And Removal, Two Round Trips, Add	*2,694.44*	
		For Each Set-up (Block And Level), Add	*1,049.96*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*579.43*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,382.32	
		For Each Delivery And Removal, Two Round Trips, Add	*4,041.66*	
		For Each Set-Up (Block And Level), Add	*1,805.63*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*1,158.86*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,658.78	
		For Each Delivery And Removal, Two Round Trips, Add	*4,041.66*	
		For Each Set-Up (Block And Level), Add	*1,805.63*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*1,158.86*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	867.19	
		For Each Delivery And Removal, Two Round Trips, Add	*4,041.66*	
		For Each Set-Up (Block And Level), Add	*1,805.63*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*131.21*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*184.75*	
		For Knockdown, Add	*1,158.86*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	42.28
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	26.42
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	31.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0019	MO	Table For Field Office Trailer	21.14	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	10.01	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	116.26	
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	84.55	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	133.21	
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	11.06	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	26.20	
01 52 13 00-0026	MO	Steps For Field Office Trailer	60.45	
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	96.72	
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer	45.30	
01 52 13 00-0029	MO	Copier For Field Office Trailer	84.55	

01 52 13 00-0030 Storage Containers *(01 52 13)*

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	144.00	
		For Each Delivery And Removal, Two Round Trips, Add	*120.17*	
		For >12 Months, Deduct	*-32.40*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	150.55	
		For Each Delivery And Removal, Two Round Trips, Add	*132.19*	
		For >12 Months, Deduct	*-33.87*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	178.04	
		For Each Delivery And Removal, Two Round Trips, Add	*266.23*	
		For >12 Months, Deduct	*-40.06*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet	67.68	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*34.08*	
01 52 19 00-0003	MO	Portable Chemical Toilet	203.05	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*34.08*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	80.73	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*34.08*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	236.89	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*34.08*	
01 52 19 00-0006	WK	Two Station Portable Handwash	57.87	
		For Each Delivery And Set-up, Add	*34.08*	
01 52 19 00-0007	MO	Two Station Portable Handwash	175.53	
		For Each Delivery And Set-up, Add	*34.08*	

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	6.75	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	17.53	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	14.55	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	19.74	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	0.80	0.22

01 54 Construction Aids *(01 50)*

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month	44.55	
		For Up To 25, Add	*17.82*	
		For >25 To 50, Add	*11.14*	
		For >50 To 150, Add	*4.46*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	50.10	
		For Up To 25, Add	*20.04*	
		For >25 To 50, Add	*12.53*	
		For >50 To 150, Add	*5.01*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month	66.83	
		For Up To 25, Add	*26.73*	
		For >25 To 50, Add	*16.71*	
		For >50 To 150, Add	*6.68*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	21.25	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	27.86	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	37.18	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	40.89	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	47.09	

01 54 23 00-0012 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0013	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	72.22	
01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	132.41	
01 54 23 00-0015	LF	Aluminum Joists, Per LF / Month	11.74	
01 54 23 00-0016	LF	Aluminum Stringers, Per LF / Month	16.84	
01 54 23 00-0017	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	21.22	

01 54 23 00-0018 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.

01 54 23 00-0019	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	39.66	
01 54 23 00-0020	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	49.57	
01 54 23 00-0021	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	59.49	
01 54 23 00-0022	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	64.44	
01 54 23 00-0023	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	71.88	

01 54 23 00-0024 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0025	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	32.51	

01 54 23 00-0026 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0027	DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.33	
01 54 23 00-0028	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.42	
01 54 23 00-0029	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	229.65	
01 54 23 00-0030	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.99	
01 54 23 00-0031	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	96.07	
01 54 23 00-0032	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	384.33	
01 54 23 00-0033	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	55.45	
01 54 23 00-0034	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	69.32	

01 54 23 00-0035 Shoring Posts *(01 54 23)*

01 54 23 00-0036	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.21	
01 54 23 00-0037	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.82	
01 54 23 00-0038	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	26.47	
01 54 23 00-0039	EA	Initial Erection And Final Dismantling For Each Shoring Post	4.45	
		For >20 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-2.45*	

01 54 23 00-0040 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0041	SF	5/16" CD Grade Plywood, Temporary Lumber	1.32	
01 54 23 00-0042	SF	1/2" CD Grade Plywood, Temporary Lumber	1.69	
01 54 23 00-0043	SF	5/8" CD Grade Plywood, Temporary Lumber	1.75	
01 54 23 00-0044	SF	3/4" CD Grade Plywood, Temporary Lumber	1.98	
01 54 23 00-0045	SF	1" CD Grade Plywood, Temporary Lumber	3.11	
01 54 23 00-0046	LF	2" x 4" Temporary Lumber	1.76	
01 54 23 00-0047	LF	2" x 6" Temporary Lumber	2.30	
01 54 23 00-0048	LF	2" x 8" Temporary Lumber	2.86	
01 54 23 00-0049	LF	2" x 10" Temporary Lumber	3.41	
01 54 23 00-0050	LF	2" x 12" Temporary Lumber	3.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0051	LF	3" x 8" Temporary Lumber	3.96	
01 54 23 00-0052	LF	3" x 10" Temporary Lumber	4.78	
01 54 23 00-0053	LF	3" x 12" Temporary Lumber	5.61	
01 54 23 00-0054	LF	4" x 4" Temporary Lumber	2.60	
01 54 23 00-0055	LF	4" x 6" Temporary Lumber	3.87	
01 54 23 00-0056	LF	6" x 6" Temporary Lumber	5.12	
01 54 23 00-0057	LF	6" x 8" Temporary Lumber	6.71	
01 54 23 00-0058	LF	12" x 12" Temporary Lumber	17.56	

01 54 23 00-0059 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0060	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	76.87	
01 54 23 00-0061	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	96.08	
01 54 23 00-0062	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	130.17	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage *(01 54 26)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,174.68	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,333.41	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,492.14	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,650.88	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,809.61	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,968.35	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,127.08	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	915.47	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,144.33	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	2,365.45	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	3,287.20	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	1,243.81	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	1,732.45	

01 55 Vehicular Access and Parking *(01 50)*

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	4.53	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	5.68	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	4.59	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	6.53	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	8.41	

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	1.48	
		For Not Removed, Deduct		*-0.93*
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	1.96	
		For Not Removed, Deduct		*-1.31*
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	2.45	
		For Not Removed, Deduct		*-1.64*

01 55 26 00-0012 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0013	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	7.92	
01 55 26 00-0014	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.98	
01 55 26 00-0015	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	5.32	
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	6.81	
01 55 26 00-0017	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	7.83	
01 55 26 00-0018	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.78	
01 55 26 00-0019	CLF	1" Exterior Vinyl Warning Tape	10.16	
01 55 26 00-0020	CLF	2" Exterior Vinyl Warning Tape	15.22	
01 55 26 00-0021	CLF	3" Exterior Vinyl Warning Tape	20.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0022	CLF	4" Exterior Vinyl Warning Tape	23.83	
01 55 26 00-0023		**Linear Delineation System, Temporary Or Permanent** *(01 55 26)*		
		Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024	LF	4" Linear Delineation System	10.99	
01 55 26 00-0025	LF	6" Linear Delineation System	15.23	
01 55 26 00-0026		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0027		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0026)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0133 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0149 for daily (or as needed) placement and removal of temporary traffice devices.		
01 55 26 00-0028	DAY	28" Cone With Reflective Collar	0.91	
01 55 26 00-0029	WK	28" Cone With Reflective Collar	2.73	
01 55 26 00-0030	MO	28" Cone With Reflective Collar	8.19	
01 55 26 00-0031	DAY	Vertical Panel	2.75	
01 55 26 00-0032	WK	Vertical Panel	8.25	
01 55 26 00-0033	MO	Vertical Panel	24.75	
01 55 26 00-0034	DAY	Channelizer Drum	2.99	
01 55 26 00-0035	WK	Channelizer Drum	8.96	
01 55 26 00-0036	MO	Channelizer Drum	26.87	
01 55 26 00-0037	DAY	Stackable Channelizer Panel	1.41	
01 55 26 00-0038	WK	Stackable Channelizer Panel	4.24	
01 55 26 00-0039	MO	Stackable Channelizer Panel	12.71	
01 55 26 00-0040	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.95	
01 55 26 00-0041	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.86	
01 55 26 00-0042	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.59	
01 55 26 00-0043	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.33	
01 55 26 00-0044	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	13.00	
01 55 26 00-0045	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	39.00	
01 55 26 00-0046	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.94	
01 55 26 00-0047	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.81	
01 55 26 00-0048	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	44.44	
01 55 26 00-0049	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	9.03	
01 55 26 00-0050	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	27.10	
01 55 26 00-0051	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	81.30	
01 55 26 00-0052	DAY	Up To 10' Wide A Frame Barricade	4.95	
01 55 26 00-0053	WK	Up To 10' Wide A Frame Barricade	14.86	
01 55 26 00-0054	MO	Up To 10' Wide A Frame Barricade	44.59	
01 55 26 00-0055	DAY	Type A Or C Flasher	1.01	
01 55 26 00-0056	WK	Type A Or C Flasher	3.03	
01 55 26 00-0057	MO	Type A Or C Flasher	9.09	
01 55 26 00-0058	DAY	Type B High Intensity Flasher	5.48	
01 55 26 00-0059	WK	Type B High Intensity Flasher	16.43	
01 55 26 00-0060	MO	Type B High Intensity Flasher	49.30	
01 55 26 00-0061		**Temporary Traffic Barriers Usage** *(01 55 26 00-0026)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0133 for delivery, placing and removal.		
01 55 26 00-0062	DAY	6' Long Portable Parking Curbs	2.36	
01 55 26 00-0063	WK	6' Long Portable Parking Curbs	7.08	
01 55 26 00-0064	MO	6' Long Portable Parking Curbs	21.23	
01 55 26 00-0065	DAY	6' Long Portable Speed Bumps	6.98	
01 55 26 00-0066	WK	6' Long Portable Speed Bumps	20.95	
01 55 26 00-0067	MO	6' Long Portable Speed Bumps	62.84	
01 55 26 00-0068	DAY	8' To 12.5' Concrete Traffic Barrier	16.77	
01 55 26 00-0069	WK	8' To 12.5' Concrete Traffic Barrier	50.32	
01 55 26 00-0070	MO	8' To 12.5' Concrete Traffic Barrier	150.96	
01 55 26 00-0071	DAY	>12.5' To 20' Concrete Traffic Barrier	33.55	
01 55 26 00-0072	WK	>12.5' To 20' Concrete Traffic Barrier	100.64	
01 55 26 00-0073	MO	>12.5' To 20' Concrete Traffic Barrier	301.92	
01 55 26 00-0074	DAY	6' x 32" Tall Plastic Water Barrier	20.03	
01 55 26 00-0075	WK	6' x 32" Tall Plastic Water Barrier	60.09	
01 55 26 00-0076	MO	6' x 32" Tall Plastic Water Barrier	180.27	
01 55 26 00-0077	DAY	6' x 46" Tall Plastic Water Barrier	28.60	
01 55 26 00-0078	WK	6' x 46" Tall Plastic Water Barrier	85.80	
01 55 26 00-0079	MO	6' x 46" Tall Plastic Water Barrier	257.41	
01 55 26 00-0080	DAY	Sand Filled Crash Attenuator Barrels	11.19	
01 55 26 00-0081	WK	Sand Filled Crash Attenuator Barrels	33.58	
01 55 26 00-0082	MO	Sand Filled Crash Attenuator Barrels	100.75	
01 55 26 00-0083	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	1,588.72	
		Note: Consists of 8 bays with nose piece at the front of the system.		
01 55 26 00-0084		**Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0026)*		
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0133 for delivery, placing and removal.		
01 55 26 00-0085	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.79	
01 55 26 00-0086	WK	Mesh Or Vinyl Roll-up Sign With Stand	26.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0087	MO	Mesh Or Vinyl Roll-up Sign With Stand	79.10	
01 55 26 00-0088	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.45	
01 55 26 00-0089	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	10.35	
01 55 26 00-0090	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	31.05	
01 55 26 00-0091	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.79	
01 55 26 00-0092	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	14.37	
01 55 26 00-0093	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	43.10	
01 55 26 00-0094	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.24	
01 55 26 00-0095	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.72	
01 55 26 00-0096	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	38.16	
01 55 26 00-0097	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.24	
01 55 26 00-0098	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	15.71	
01 55 26 00-0099	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	47.14	
01 55 26 00-0100	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	6.14	
01 55 26 00-0101	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	18.41	
01 55 26 00-0102	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	55.22	
01 55 26 00-0103	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	7.03	
01 55 26 00-0104	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	21.10	
01 55 26 00-0105	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	63.30	
01 55 26 00-0106	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.93	
01 55 26 00-0107	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	23.79	
01 55 26 00-0108	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	71.38	
01 55 26 00-0109	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.73	
01 55 26 00-0110	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	29.18	
01 55 26 00-0111	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	87.55	
01 55 26 00-0112	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.58	
01 55 26 00-0113	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	28.73	
01 55 26 00-0114	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	86.20	
01 55 26 00-0115	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.70	
01 55 26 00-0116	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	32.10	
01 55 26 00-0117	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	96.30	
01 55 26 00-0118	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.82	
01 55 26 00-0119	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	35.47	
01 55 26 00-0120	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	106.40	
01 55 26 00-0121	DAY	Aluminum Sign And Post	4.97	
01 55 26 00-0122	WK	Aluminum Sign And Post	14.91	
01 55 26 00-0123	MO	Aluminum Sign And Post	44.74	
01 55 26 00-0124	DAY	Trailer Mounted Flashing Arrow Board	152.50	
01 55 26 00-0125	WK	Trailer Mounted Flashing Arrow Board	422.10	
01 55 26 00-0126	MO	Trailer Mounted Flashing Arrow Board	1,116.51	
01 55 26 00-0127	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	291.00	
01 55 26 00-0128	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	776.00	
01 55 26 00-0129	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,552.00	
01 55 26 00-0130	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,495.13	
01 55 26 00-0131	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,485.39	
01 55 26 00-0132	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,456.17	

01 55 26 00-0133 Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck *(01 55 26 00-0026)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0149 for daily (or as needed) placement and removal of temporary traffice devices, 01 74 19 00-0031 for delivery >15 miles.

01 55 26 00-0134	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	2.17	
01 55 26 00-0135	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	1.90	
01 55 26 00-0136	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	3.58	
01 55 26 00-0137	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	2.99	
01 55 26 00-0138	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	5.43	
01 55 26 00-0139	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	4.35	
01 55 26 00-0140	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	5.43	
01 55 26 00-0141	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	3.26	
01 55 26 00-0142	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	13.57	
01 55 26 00-0143	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	40.72	
01 55 26 00-0144	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	57.66	
		For 1 Barrier, Add	*144.15*	
		For 2 Barriers, Add	*51.89*	
		For 3 Barriers, Add	*17.30*	
01 55 26 00-0145	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	86.49	
		For 1 Barrier, Add	*216.23*	
		For 2 Barriers, Add	*77.84*	
		For 3 Barriers, Add	*25.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0146	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	36.49	
		For 1 Barrier, Add	*72.08*	
		For 2 Barriers, Add	*25.95*	
		For 3 Barriers, Add	*8.65*	
01 55 26 00-0147	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	43.24	
		For 1 Barrier, Add	*108.10*	
		For 2 Barriers, Add	*38.92*	
		For 3 Barriers, Add	*12.97*	
01 55 26 00-0148	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	317.12	

01 55 26 00-0149 Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) *(01 55 26 00-0026)*

01 55 26 00-0150	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	1.36	
01 55 26 00-0151	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	1.08	
01 55 26 00-0152	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	1.81	
01 55 26 00-0153	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	1.44	
01 55 26 00-0154	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	2.71	
01 55 26 00-0155	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	2.17	
01 55 26 00-0156	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	1.50	
01 55 26 00-0157	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area	20.36	
01 55 26 00-0158	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	28.83	

01 55 26 00-0159 Place And Remove Temporary Signs For Detours *(01 55 26 00-0026)*

01 55 26 00-0160 Temporary Reflectorized Signs For Detours *(01 55 26 00-0159)*

Note: Excludes posts.

01 55 26 00-0161 Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0160)*

01 55 26 00-0162	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	63.97	
		For Hi-Intensity Grade, Add	*10.19*	
		For Diamond Grade, Add	*19.37*	
01 55 26 00-0163	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	76.09	
		For Hi-Intensity Grade, Add	*13.33*	
		For Diamond Grade, Add	*25.33*	
01 55 26 00-0164	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	82.98	
		For Hi-Intensity Grade, Add	*20.36*	
		For Diamond Grade, Add	*32.29*	
01 55 26 00-0165	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	98.59	
		For Hi-Intensity Grade, Add	*7.63*	
		For Diamond Grade, Add	*41.35*	
01 55 26 00-0166	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	138.59	
		For Hi-Intensity Grade, Add	*22.43*	
		For Diamond Grade, Add	*70.34*	

01 55 26 00-0167 Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0160)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

01 55 26 00-0168 Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0167)*

01 55 26 00-0169	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	35.07	
		For Hi-Intensity Grade, Add	*2.53*	
01 55 26 00-0170	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	39.28	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0171	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	39.28	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0172	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	42.43	
		For Hi-Intensity Grade, Add	*4.73*	
01 55 26 00-0173	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	45.59	
		For Hi-Intensity Grade, Add	*5.68*	
01 55 26 00-0174	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	53.57	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0175	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	78.83	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0176	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	43.49	
		For Hi-Intensity Grade, Add	*5.05*	
01 55 26 00-0177	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	53.57	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0178	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	61.99	
		For Hi-Intensity Grade, Add	*10.10*	
01 55 26 00-0179	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	70.41	
		For Hi-Intensity Grade, Add	*12.63*	
01 55 26 00-0180	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	78.83	
		For Hi-Intensity Grade, Add	*15.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0181	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	66.20	
		For Hi-Intensity Grade, Add	*11.36*	
01 55 26 00-0182	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	78.83	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0183	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	93.13	
		For Hi-Intensity Grade, Add	*18.94*	
01 55 26 00-0184	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	105.75	
		For Hi-Intensity Grade, Add	*22.73*	
01 55 26 00-0185	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	150.29	
		For Hi-Intensity Grade, Add	*34.09*	
01 55 26 00-0186	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	97.34	
		For Hi-Intensity Grade, Add	*20.21*	
01 55 26 00-0187	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	114.17	
		For Hi-Intensity Grade, Add	*25.25*	
01 55 26 00-0188	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	131.01	
		For Hi-Intensity Grade, Add	*30.31*	
01 55 26 00-0189	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	154.50	
		For Hi-Intensity Grade, Add	*35.36*	
01 55 26 00-0190	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	171.34	
		For Hi-Intensity Grade, Add	*40.41*	
01 55 26 00-0191	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	188.18	
		For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0192	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	135.22	
		For Hi-Intensity Grade, Add	*31.57*	
01 55 26 00-0193	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	162.92	
		For Hi-Intensity Grade, Add	*37.88*	
01 55 26 00-0194	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	183.97	
		For Hi-Intensity Grade, Add	*44.20*	
01 55 26 00-0195	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	211.67	
		For Hi-Intensity Grade, Add	*50.51*	
01 55 26 00-0196	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	260.42	
		For Hi-Intensity Grade, Add	*63.14*	
01 55 26 00-0197	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	188.18	
		For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0198	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	220.09	
		For Hi-Intensity Grade, Add	*53.03*	
01 55 26 00-0199	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	252.01	
		For Hi-Intensity Grade, Add	*60.61*	
01 55 26 00-0200	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	277.26	
		For Hi-Intensity Grade, Add	*68.19*	
01 55 26 00-0201	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	309.18	
		For Hi-Intensity Grade, Add	*75.76*	
01 55 26 00-0202	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	370.56	
		For Hi-Intensity Grade, Add	*92.18*	
01 55 26 00-0203	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	391.61	
		For Hi-Intensity Grade, Add	*98.49*	
01 55 26 00-0204	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	527.88	
		For Hi-Intensity Grade, Add	*136.37*	
01 55 26 00-0205	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	256.21	
		For Hi-Intensity Grade, Add	*61.87*	
01 55 26 00-0206	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	326.02	
		For Hi-Intensity Grade, Add	*80.81*	
01 55 26 00-0207	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	366.35	
		For Hi-Intensity Grade, Add	*90.92*	
01 55 26 00-0208	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	400.03	
		For Hi-Intensity Grade, Add	*101.02*	
01 55 26 00-0209	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	443.70	
		For Hi-Intensity Grade, Add	*111.12*	
01 55 26 00-0210	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	477.37	
		For Hi-Intensity Grade, Add	*121.22*	
01 55 26 00-0211	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	551.38	
		For Hi-Intensity Grade, Add	*141.43*	
01 55 26 00-0212	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	618.72	
		For Hi-Intensity Grade, Add	*161.63*	
01 55 26 00-0213	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	652.39	
		For Hi-Intensity Grade, Add	*171.73*	
01 55 26 00-0214	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	689.40	
		For Hi-Intensity Grade, Add	*181.83*	
01 55 26 00-0215	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	585.05	
		For Hi-Intensity Grade, Add	*151.53*	
01 55 26 00-0216	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	958.78	
		For Hi-Intensity Grade, Add	*262.65*	

01 55 26 00-0217 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0159)*
Note: Including horizontal Z-bars.

01 55 26 00-0218	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0219 Temporary Sign Posts For Detours *(01 55 26 00-0159)*
Note: Excludes sign.

01 55 26 00-0220 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0219)*
Note: Excludes digging and concrete.

01 55 26 00-0221 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0220)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0222	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	56.73	
01 55 26 00-0223	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	75.46	
01 55 26 00-0224	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	89.97	
01 55 26 00-0225	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	105.46	
01 55 26 00-0226	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	127.04	
01 55 26 00-0227	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	135.14	
01 55 26 00-0228		Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0220)*		
01 55 26 00-0229	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	62.72	
01 55 26 00-0230	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	84.96	
01 55 26 00-0231	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	111.47	
01 55 26 00-0232	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	129.22	
01 55 26 00-0233	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	144.34	
01 55 26 00-0234	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	150.19	
01 55 26 00-0235		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0220)*		
01 55 26 00-0236	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	55.32	
01 55 26 00-0237	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	72.38	
01 55 26 00-0238	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	86.26	
01 55 26 00-0239	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	101.04	
01 55 26 00-0240	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	119.02	
01 55 26 00-0241	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	130.39	
01 55 26 00-0242		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0219)* Note: Excludes digging and concrete.		
01 55 26 00-0243		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0242)*		
01 55 26 00-0244	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	85.94	
01 55 26 00-0245	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	101.71	
01 55 26 00-0246	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	120.51	
01 55 26 00-0247	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	157.34	
01 55 26 00-0248	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	174.81	
01 55 26 00-0249		Temporary Square Sign Posts For Detours *(01 55 26 00-0219)* Note: Excludes digging and concrete.		
01 55 26 00-0250		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0249)*		
01 55 26 00-0251	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	64.05	
01 55 26 00-0252	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	107.47	
01 55 26 00-0253	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	125.47	
01 55 26 00-0254	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	146.36	
01 55 26 00-0255	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	178.92	
01 55 26 00-0256	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	193.76	
01 55 26 00-0257		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0159)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0258		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0257)*		
01 55 26 00-0259		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0258)*		
01 55 26 00-0260	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	67.65	
01 55 26 00-0261	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	48.77	
01 55 26 00-0262		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0258)*		
01 55 26 00-0263	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	10.14	
01 55 26 00-0264		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0257)*		
01 55 26 00-0265		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0264)*		
01 55 26 00-0266	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	71.22	
01 55 26 00-0267	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	48.77	
01 55 26 00-0268		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0264)*		
01 55 26 00-0269	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	12.35	
01 55 26 00-0270		Temporary Driven Sign Posts For Detours *(01 55 26 00-0257)*		
01 55 26 00-0271		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0270)*		
01 55 26 00-0272	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	11.03	
		For Each Soil Plate, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0273		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0270)*		
01 55 26 00-0274	LF	Temporary Driven Post, 4 Lb./LF For Detours	13.69	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0275		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0257)*		
01 55 26 00-0276		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0275)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0277	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,128.01	
01 55 26 00-0278	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,202.00	
01 55 26 00-0279	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	824.04	
01 55 26 00-0280	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	721.76	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	818.37	
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	778.58	
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	785.36	
01 55 26 00-0284		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0275)*		
		Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	379.50	
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	397.90	
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	413.19	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	627.41	
01 55 26 00-0289	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	55.09	
01 55 26 00-0290	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	73.46	
01 55 26 00-0291		Temporary Rumble Strips *(01 55 26)*		
		Note: Includes removal after use.		
01 55 26 00-0292	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.32	
01 55 26 00-0293	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	9.29	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)*		
		Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0002	SF	4 Mil, Plastic Sheeting, Applied To Floors	0.20	
01 56 16 00-0003	SF	4 Mil, Plastic Sheeting, Applied To Walls	0.25	
01 56 16 00-0004	SF	4 Mil, Plastic Sheeting, Applied To Ceilings	0.33	
01 56 16 00-0005	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.23	
01 56 16 00-0006	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.28	
01 56 16 00-0007	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.36	
01 56 16 00-0008	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.24	
01 56 16 00-0009	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.29	
01 56 16 00-0010	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.37	
01 56 16 00-0011	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.39	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.32	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.37	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.45	
01 56 16 00-0015	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.43	
01 56 16 00-0016	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.65	
01 56 16 00-0017	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.35	
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.40	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.48	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.46	
01 56 16 00-0021	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.34	
01 56 16 00-0022	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0023	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.47	
01 56 16 00-0024	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.45	
01 56 16 00-0025	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.41	
01 56 16 00-0026	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.46	
01 56 16 00-0027	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.54	
01 56 16 00-0028	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.52	
01 56 16 00-0029		**Temporary Canvas For Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0030	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	0.63	
01 56 16 00-0031		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0032	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	12.57	
01 56 16 00-0033	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	7.37	
01 56 16 00-0034		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0035	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	5.31	
01 56 16 00-0036	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	8.18	
01 56 16 00-0037	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	11.14	
01 56 16 00-0038	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	18.38	
01 56 16 00-0039		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0040		**Temporary Stud Wall With Drywall** *(01 56 16 00-0039)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0041		**Temporary Stud Wall With Drywall** *(01 56 16 00-0040)*		
01 56 16 00-0042	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.70	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0043	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.70	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0044	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.86	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0045	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.27	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0046	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.27	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0047	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.59	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0048		**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0040)*		
01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.88	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.93	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.84	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.07	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0053	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.63	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0054	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0055	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.55	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0056	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.01	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	

01 56 16 00-0057 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0039)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0058	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.39	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0059	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.44	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0060	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.59	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0061	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.67	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0062	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.65	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0063	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.75	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0064	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.05	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0065	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.21	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	

01 56 16 00-0066 Temporary Stud Wall With BC Plywood *(01 56 16 00-0039)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0067	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0068	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.94	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0069	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.94	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0070	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.07	
		For Metal Studs 24" On Center, Add/Deduct	*0.42*	
01 56 16 00-0071	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.36	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0072	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0073	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.74	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	
01 56 16 00-0074	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.01	
		For Metal Studs 24" On Center, Add/Deduct	*0.46*	

01 56 16 00-0075 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0039)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0076	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	2.06	
		For Metal Studs 24" On Center, Add/Deduct	*0.37*	
01 56 16 00-0077	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	2.15	
		For Metal Studs 24" On Center, Add/Deduct	*0.37*	
01 56 16 00-0078	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	2.18	
		For Metal Studs 24" On Center, Add/Deduct	*0.37*	
01 56 16 00-0079	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	2.17	
		For Metal Studs 24" On Center, Add/Deduct	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0080	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	2.24	
		For Metal Studs 24" On Center, Add/Deduct	*0.37*	
01 56 16 00-0081		**Temporary Doors** *(01 56 16 00-0039)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0082	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	323.09	
01 56 16 00-0083		**Temporary Floor Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0084	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	0.82	
01 56 16 00-0085	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	0.87	
01 56 16 00-0086	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	0.97	
01 56 16 00-0087	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.80	
01 56 16 00-0088	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.23	
01 56 16 00-0089	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.42	
01 56 16 00-0090	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.45	
		For Seam Tape, Add Per LF	*0.28*	
01 56 16 00-0091	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.56	
		For Seam Tape, Add Per LF	*0.28*	
01 56 16 00-0092		**Sticky Mats** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0093	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	37.20	
		For 60 Layers Instead Of 30, Add	*26.24*	
01 56 16 00-0094	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	43.03	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0095	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	43.03	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0096	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	57.61	
		For 60 Layers Instead Of 30, Add	*41.54*	
01 56 16 00-0097	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	63.44	
		For 60 Layers Instead Of 30, Add	*45.92*	
01 56 16 00-0098	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	69.27	
		For 60 Layers Instead Of 30, Add	*50.29*	
01 56 16 00-0099	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	142.15	
		For 60 Layers Instead Of 30, Add	*104.95*	
01 56 16 00-0100	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	170.13	
01 56 26		**Temporary Fencing** *(01 56)*		
01 56 26 00-0001		**Temporary Fencing** *(01 56 26)* Note: Per ASTM A392-06 Standards		
01 56 26 00-0002		**Temporary Chain Link Fence** *(01 56 26 00-0001)* Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003		**Temporary Chain Link Fence, Up To 6 Months** *(01 56 26 00-0002)*		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	5.41	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	6.05	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	9.05	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.04*	
		For Each LF Shade Cloth, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	22.92	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-3.09*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*

01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	5.78	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	6.45	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	9.73	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.14*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	24.97	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.39*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*

01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	6.19	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	6.91	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	10.51	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	27.23	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.73*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	6.62	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	7.38	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	11.33	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.38*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	29.72	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-4.11*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	264.56	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	430.81	
		For Each LF Shade Cloth, Add	*43.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	487.08	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	551.35	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	666.79	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	735.13	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	279.98	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	458.26	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	518.64	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	592.83	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	720.25	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	802.68	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	310.37	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	515.42	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	582.15	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	661.15	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	808.06	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	912.25	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	381.78	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	629.95	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	712.44	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	808.34	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	988.07	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,111.97	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	276.13	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	448.79	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	507.64	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	574.47	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	695.06	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	765.96	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	292.07	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	477.06	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	540.13	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	617.01	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	749.80	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	834.92	
		For Each LF Shade Cloth, Add	*165.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0068		**8' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	323.66	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	536.11	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	605.79	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	687.75	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	840.56	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	947.71	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0075		**10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	398.40	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	655.80	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.99	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	841.59	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,028.70	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,156.29	
		For Each LF Shade Cloth, Add	*307.57*	
01 56 26 00-0082		**Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0083		**4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	288.27	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	467.68	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	529.22	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	598.76	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	724.73	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	798.34	
		For Each LF Shade Cloth, Add	*103.60*	
01 56 26 00-0090		**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	304.77	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	496.80	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	562.69	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	642.39	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	780.83	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	868.76	
		For Each LF Shade Cloth, Add	*165.12*	
01 56 26 00-0097		**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	337.63	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	557.83	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	630.61	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	715.67	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	874.69	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	984.94	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0104		**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	415.86	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	682.95	
		For Each LF Shade Cloth, Add	*128.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	773.02	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	876.49	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,071.36	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,202.83	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	300.41	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	486.57	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	550.81	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	623.04	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	754.41	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	830.72	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	317.46	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	516.55	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	585.26	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	667.78	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	811.85	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	902.61	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	351.59	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	579.55	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	655.44	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	743.59	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	908.82	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,022.17	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	433.31	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	710.10	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	804.04	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	911.40	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,114.03	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,249.37	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes delivery, set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	6.12	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	6.82	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	9.98	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	6.50	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.22	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	10.66	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.28*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	6.87	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.69	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.86*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	11.44	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.40*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	7.33	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	8.16	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	12.24	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.52*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	4.00	

01 56 26 00-0159 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0160	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.66	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.

01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	79.31	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	2.03	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0005		**Monthly Rental of Sidewalk Bridge** *(01 56 29 00-0001)* Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	15.89	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.38*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	17.89	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.68*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.98*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*2.98*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	21.84	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.28*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	25.86	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.88*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	23.87	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*3.58*	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.84	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.18*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.79	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.47*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.98	
01 56 29 00-0016		**Removal of Sidewalk Bridge** *(01 56 29 00-0001)*		
01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	16.51	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	0.67	
01 56 29 00-0019		**Temporary Safety Nets** *(01 56 29)* Note: Includes removal after use.		
01 56 29 00-0020	SF	Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.03	
01 56 33		**Temporary Security Barriers** *(01 56)*		
01 56 33 00-0001		**Board-up Opening With Plywood** *(01 56 33)* Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	6.66	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	4.38	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	5.03	
01 56 33 00-0005		**Temporary Pedestrian Barricade** *(01 56 33)* Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.84	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	36.04	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	108.13	
01 56 39		**Temporary Tree and Plant Protection** *(01 56)*		
01 56 39 00-0001		**Temporary Tree Guards** *(01 56 39)* Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	133.32	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	167.73	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	184.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*
Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	95.09	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	92.91	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	123.63	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	121.42	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	154.35	

01 57 26 Site Watering for Dust Control *(01 57)*

01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*
See CSI section 31 23 23 23-0001 for water and water truck.

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*
Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	138.70	12.22
		For High-Intensity Grade, Add	*39.99*	
		For Diamond Grade, Add	*77.13*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	254.09	12.78
		For High-Intensity Grade, Add	*79.99*	
		For Diamond Grade, Add	*154.27*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	369.47	13.32
		For High-Intensity Grade, Add	*119.99*	
		For Diamond Grade, Add	*231.40*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	484.86	13.88
		For High-Intensity Grade, Add	*159.99*	
		For Diamond Grade, Add	*308.54*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.17	0.44
		For High-Intensity Grade, Add	*5.00*	
		For Diamond Grade, Add	*9.64*	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	186.52	12.22
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	226.31	12.78
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	289.12	13.32
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	348.36	13.88
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	10.91	0.44

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	191.08	12.22
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	250.91	12.78
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	314.12	13.32
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	369.79	13.88
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	11.58	0.44

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*
Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	13.31
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	7.35
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	10.42

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	44.42

01 60 Product Requirements *(01)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	8.54	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	5.55	

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	3.47	

01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	8.54	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	5.55	

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	3.47	

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	0.56	

01 66 23 Off-Site Storage Facilities *(01 66)*

01 66 23 00-0001 Climate And Humidity Controlled Off-site Storage Facility *(01 66 23)*

01 66 23 00-0002	MO	5' x 10', Climate And Humidity Controlled Storage Facility	316.32	
01 66 23 00-0003	MO	10' x 10', Climate And Humidity Controlled Storage Facility	354.37	
01 66 23 00-0004	MO	10' x 20', Climate And Humidity Controlled Storage Facility	651.66	
01 66 23 00-0005	MO	15' x 15', Climate And Humidity Controlled Storage Facility	801.50	
01 66 23 00-0006	MO	10' x 30', Climate And Humidity Controlled Storage Facility	1,027.44	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	348.62	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,347.22	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	371.85	
		For >30 To 60 Miles Radius, Add		*92.96*
		For >60 To 100 Miles Radius, Add		*148.74*
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	604.26	
		For >30 To 60 Miles Radius, Add		*151.07*
		For >60 To 100 Miles Radius, Add		*241.70*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	836.67	
		For >30 To 60 Miles Radius, Add	*209.17*	
		For >60 To 100 Miles Radius, Add	*334.67*	
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,347.96	
		For >30 To 60 Miles Radius, Add	*336.99*	
		For >60 To 100 Miles Radius, Add	*539.18*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,691.93	
		For >30 To 60 Miles Radius, Add	*422.98*	
		For >60 To 100 Miles Radius, Add	*676.77*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,105.61	
		For >30 To 60 Miles Radius, Add	*526.40*	
		For >60 To 100 Miles Radius, Add	*842.24*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,426.33	
		For >30 To 60 Miles Radius, Add	*606.58*	
		For >60 To 100 Miles Radius, Add	*970.53*	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,714.52	
		For >30 To 60 Miles Radius, Add	*678.63*	
		For >60 To 100 Miles Radius, Add	*1,085.81*	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,440.93	
		For >30 To 60 Miles Radius, Add	*360.23*	
		For >60 To 100 Miles Radius, Add	*576.37*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,277.59	
		For >30 To 60 Miles Radius, Add	*569.40*	
		For >60 To 100 Miles Radius, Add	*911.04*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,881.85	
		For >30 To 60 Miles Radius, Add	*720.46*	
		For >60 To 100 Miles Radius, Add	*1,152.74*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,579.07	
		For >30 To 60 Miles Radius, Add	*894.77*	
		For >60 To 100 Miles Radius, Add	*1,431.63*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,462.22	
		For >30 To 60 Miles Radius, Add	*1,115.56*	
		For >60 To 100 Miles Radius, Add	*1,784.89*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,205.92	
		For >30 To 60 Miles Radius, Add	*1,301.48*	
		For >60 To 100 Miles Radius, Add	*2,082.37*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,437.03	
		For >30 To 60 Miles Radius, Add	*1,859.26*	
		For >60 To 100 Miles Radius, Add	*2,974.81*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,198.03	
		For >30 To 60 Miles Radius, Add	*2,549.51*	
		For >60 To 100 Miles Radius, Add	*4,079.21*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	687.33
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	1,549.14
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	2,255.31
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	3,148.89
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings)	3,850.73

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	0.91
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	1.05
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	1.24

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	154.40
		For Owner Furnished Monument, Deduct	*-25.66*

01 71 23 16-0013 Facade Surveying *(01 71 23 16)*

01 71 23 16-0014	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	2.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 23 16-0015 **Utility Survey** *(01 71 23 16)*
Note: This survey is only for the location of underground utilities.

01 71 23 16-0016	ACR	Survey Clear Area For Underground Utilities	2,320.05	

01 71 36 Non-Destructive Concrete Examination *(01 71)*

01 71 36 00-0001 **Electromagnetic Survey** *(01 71 36)*
Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 **Electromagnetic (SIR/GPR) Survey** *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,191.54	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,787.31	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,574.62	

01 71 36 00-0006 **Reports And Mapping For Electromagnetic (SIR/GPR) Surveys** *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	397.18	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	794.36	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,787.31	

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 **General** *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	8.88	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	13.15	

01 74 13 00-0004 **Window Washing** *(01 74 13)*
Note: Includes scaffolding, platform lift, swing scaffold, boatswains chair or other required equipment.

01 74 13 00-0005	SF	Wash Exterior Windows On First Floor Without Window Guards	0.49	
01 74 13 00-0006	SF	Wash Exterior Windows Above First Floor Without Window Guard	1.42	
01 74 13 00-0007	SF	Wash Interior Windows Without Window Guard	0.76	
01 74 13 00-0008	SF	Wash Exterior Windows On First Floor With Window Guards	0.94	
01 74 13 00-0009	SF	Wash Exterior Windows Above First Floor With Window Guard	1.86	
01 74 13 00-0010	SF	Wash Interior Windows With Window Guard	1.20	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 **Parking Lot, Roads And Pathway Maintenance** *(01 74 16)*
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 **Parking Lot, Road, And Street Sweeping** *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	11.57	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	13.89	

01 74 19 Construction Waste Management and Disposal *(01 74)*
Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001 **Debris Chutes** *(01 74 19)*
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 **Steel Temporary Debris Chutes** *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	29.73	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	47.64	

01 74 19 00-0005 **Plastic Temporary Debris Chutes** *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	11.86	
		For Steel Liner, Add		*2.60*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	13.62	
		For Steel Liner, Add		*2.99*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	15.36	
		For Steel Liner, Add		*3.38*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0009		**Wood Temporary Debris Chutes** *(01 74 19 00-0001)*		
01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	26.60	
01 74 19 00-0011		**Construction Dumpsters Rental** *(01 74 19)* Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	490.35	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	529.60	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	574.10	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	694.34	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	783.58	
		For Each Ton Over Indicated Amount, Add	*98.50*	
01 74 19 00-0017		**Concrete Washout Service** *(01 74 19)*		
01 74 19 00-0018	MO	Rampless Concrete Washout Bin Note: Includes delivery.	494.06	
01 74 19 00-0019	MO	Ramped Concrete Washout Bin Note: Includes delivery.	592.87	
01 74 19 00-0020	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	656.49	
01 74 19 00-0021	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,422.40	
01 74 19 00-0022		**Material Recycling** *(01 74 19)* See CSI section 01 74 19 00-0011 for recycling material disposal.		
01 74 19 00-0023	TON	Material Recycling Note: Includes container, drop-off and pick-up of concrete, asphalt, aggregate, brick/block, dirt or mixed materials.	44.19	
01 74 19 00-0024		**Debris Processing Fee** *(01 74 19)*		
01 74 19 00-0025		**Landfill Dump Fees** *(01 74 19 00-0024)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0031 for hauling.		
01 74 19 00-0026	CY	Traditional Building Construction Materials Landfill Dump Fee	10.61	
01 74 19 00-0027	TON	Traditional Building Construction Materials, Landfill Dump Fee	46.25	
01 74 19 00-0028	CY	Trees, Stumps And Brush, Landfill Dump Fee	12.77	
01 74 19 00-0029	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	30.46	
01 74 19 00-0030	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	21.64	
01 74 19 00-0031		**Hauling** *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0032	CYM	Hauling On Paved Roads, First 15 Miles	0.83	
01 74 19 00-0033	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.55	
01 74 19 00-0034	CYM	Hauling On Unimproved Roads, First 15 Miles	1.27	
01 74 19 00-0035	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.00	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		**Cleaning Of Glass** *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	17.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23 00-0003		Cleaning Of Unit Components *(01 74 23)*		
		Note: Cleaning shall be used only as directed by the Owner. It is not to be used in conjunction with installation/demolition tasks in the Construction Task Catalog® .		
01 74 23 00-0004	EA	Cleaning Of Residential Plumbing Fixtures	8.67	
01 74 23 00-0005	EA	Cleaning Of Commercial Plumbing Fixture	14.09	
01 74 23 00-0006	EA	Cleaning Of Residential HVAC Unit	39.50	
01 74 23 00-0007	EA	Cleaning Of Commercial HVAC Unit	81.63	
01 74 23 00-0008	EA	Cleaning Of Residential Light Fixture	6.66	
01 74 23 00-0009	EA	Cleaning Of Commercial Light Fixture	11.11	
01 74 23 00-0010	SF	Cleaning Of Mirror	0.14	
01 74 23 00-0011	CSF	Cleaning Of Interior Windows	17.62	
01 74 23 00-0012	CSF	Cleaning Of Exterior Windows	21.15	
01 74 23 00-0013	EA	Cleaning Of Cabinets	17.62	
01 74 23 00-0014	LF	Cleaning Of Counter-Top	0.53	
		Note: Includes backboard.		
01 74 23 00-0015	CSF	Cleaning Of Walls	15.86	
01 74 23 00-0016	CSF	Cleaning Of Ceilings	31.71	
01 74 23 00-0017	CSF	Cleaning Of Stairs	22.91	
01 74 23 00-0018	EA	Cleaning Of Doors	22.91	
01 74 23 00-0019	CSF	Cleaning Of Wood Floor	28.19	
01 74 23 00-0020	CSF	Cleaning Of Carpet	23.63	
01 74 23 00-0021	CSF	Steam Cleaning Of Carpet	33.06	
01 74 23 00-0022	LF	Cleaning Of Ductwork	1.15	
01 74 23 00-0023	EA	Cleaning Of Ductwork Vent Opening	5.76	
01 74 23 00-0024	EA	Cleaning Of Residential Appliance	27.75	
01 74 23 00-0025	EA	Cleaning Of Residential Plumbing Bath Tub Without Surround	20.94	
01 74 23 00-0026	EA	Cleaning Of Residential Plumbing Bath Tub With Surround	39.66	

01 95 Residential Construction *(01)*

01 95 01 Residential - General Conditions *(01 95)*

01 95 01 00-0001		Pre-Clean Interior Of Residential Unit *(01 95 01)*		
		Note: Remove all discarded debris from unit prior to commencement of work. Excludes disposal of waste.		
01 95 01 00-0002	EA	Pre-Clean Residential Unit - Efficiency Unit	310.78	
01 95 01 00-0003	EA	Pre-Clean Residential Unit - One Bedroom Unit	399.32	
01 95 01 00-0004	EA	Pre-Clean Residential Unit - Two Bedroom Unit	596.83	
01 95 01 00-0005	EA	Pre-Clean Residential Unit - Three Bedroom Unit	804.42	
01 95 01 00-0006	EA	Pre-Clean Residential Unit - Four Bedroom Unit	1,022.20	
01 95 01 00-0007	EA	Pre-Clean Residential Unit - Five Bedroom Unit	1,233.45	
01 95 01 00-0008	EA	Pre-Clean Residential Unit - Six Bedroom Unit	1,441.70	
01 95 01 00-0009	EA	Pre-Clean Residential Basement	888.09	
01 95 01 00-0010		Final Clean Interior Of Residential Unit *(01 95 01)*		
		Note: Final cleaning to make unit ready for tenant move-in. This is over and above the daily and final construction cleaning which is part of the Contractor's Adjustment Factor.		
01 95 01 00-0011	EA	Final Clean Residential Unit - Efficiency Unit	377.58	
01 95 01 00-0012	EA	Final Clean Residential Unit - One Bedroom Unit	486.89	
01 95 01 00-0013	EA	Final Clean Residential Unit - Two Bedroom Unit	711.61	
01 95 01 00-0014	EA	Final Clean Residential Unit - Three Bedroom Unit	925.08	
01 95 01 00-0015	EA	Final Clean Residential Unit - Four Bedroom Unit	1,206.64	
01 95 01 00-0016	EA	Final Clean Residential Unit - Five Bedroom Unit	1,423.21	
01 95 01 00-0017	EA	Final Clean Residential Unit - Six Bedroom Unit	1,642.17	
01 95 01 00-0018	EA	Final Clean Residential Unit - Basement	977.21	
01 95 01 00-0019		Clean Residential HVAC *(01 95 01)*		
01 95 01 00-0020	EA	Clean And Service Residential Furnace	318.51	
01 95 01 00-0021	EA	Clean Residential Ductwork In Efficiency Unit	288.64	
01 95 01 00-0022	EA	Clean Residential Ductwork In One Bedroom Unit	344.97	
01 95 01 00-0023	EA	Clean Residential Ductwork In Two Bedroom Unit	401.34	
01 95 01 00-0024	EA	Clean Residential Ductwork In Three Bedroom Unit	458.34	
01 95 01 00-0025	EA	Clean Residential Ductwork In Four Bedroom Unit	514.41	
01 95 01 00-0026	EA	Clean Residential Ductwork In Five Bedroom Unit	578.78	
01 95 01 00-0027	EA	Clean Residential Ductwork In Six Bedroom Unit	644.66	
01 95 01 00-0028		Residential Relocation Costs *(01 95 01)*		
		Note: Includes packing all furniture in unit and relocating furniture to new location. Excludes moving truck.		
01 95 01 00-0029	EA	Move Furniture In Residential Efficiency Bedroom, Same Floor	389.65	
01 95 01 00-0030	EA	Move Furniture In Residential One Bedroom, Same Floor	528.12	
01 95 01 00-0031	EA	Move Furniture In Residential Two Bedroom, Same Floor	823.65	
01 95 01 00-0032	EA	Move Furniture In Residential Three Bedroom, Same Floor	1,073.80	
01 95 01 00-0033	EA	Move Furniture In Residential Four Bedroom, Same Floor	1,323.58	
01 95 01 00-0034	EA	Move Furniture In Residential Five Bedroom, Same Floor	1,532.65	
01 95 01 00-0035	EA	Move Furniture In Residential Six Bedroom, Same Floor	1,784.27	
01 95 01 00-0036	EA	Move Furniture In Residential Efficiency Bedroom, Different Floor	457.33	
01 95 01 00-0037	EA	Move Furniture In Residential One Bedroom, Different Floor	617.73	
01 95 01 00-0038	EA	Move Furniture In Residential Two Bedroom, Different Floor	1,004.91	
01 95 01 00-0039	EA	Move Furniture In Residential Three Bedroom, Different Floor	1,297.91	
01 95 01 00-0040	EA	Move Furniture In Residential Four Bedroom, Different Floor	1,602.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 01 00-0041	EA	Move Furniture In Residential Five Bedroom, Different Floor	1,848.73	
01 95 01 00-0042	EA	Move Furniture In Residential Six Bedroom, Different Floor	2,100.81	
01 95 01 00-0043	EA	Move Furniture In Residential Efficiency Bedroom, Different Building	705.41	
01 95 01 00-0044	EA	Move Furniture In Residential One Bedroom, Different Building	886.71	
01 95 01 00-0045	EA	Move Furniture In Residential Two Bedroom, Different Building	1,272.25	
01 95 01 00-0046	EA	Move Furniture In Residential Three Bedroom, Different Building	1,661.27	
01 95 01 00-0047	EA	Move Furniture In Residential Four Bedroom, Different Building	1,968.86	
01 95 01 00-0048	EA	Move Furniture In Residential Five Bedroom, Different Building	2,209.15	
01 95 01 00-0049	EA	Move Furniture In Residential Six Bedroom, Different Building	2,460.96	

01 95 01 00-0050 Residential Testing *(01 95 01)*

01 95 01 00-0051	EA	Carbon Dioxide (CO2) Test For Residential Sewer Vents	325.19	
01 95 01 00-0052	EA	Carbon Monoxide (CO) Test On Residential Furnace	403.21	

01 95 06 Residential - Wood and Plastics *(01 95)*

01 95 06 00-0001 Residential Wood Hand Rails *(01 95 06)*

01 95 06 00-0002	EA	Brackets For Residential Hand Rails	29.70	6.35
01 95 06 00-0003	LF	2-1/4" x 2-3/8" Residential Oak Colonial Handrail	17.12	3.61
01 95 06 00-0004	LF	2-1/4" x 2-3/8" Residential Hemlock Colonial Handrail	14.47	3.61
01 95 06 00-0005	LF	2-1/4" x 2-3/8" Residential Poplar Colonial Handrail	16.92	3.61
01 95 06 00-0006	LF	1-5/8" x 1-1/16" Residential Pine Oval Handrail	10.81	3.61
01 95 06 00-0007	LF	1-1/4" x 2-1/4" Residential Pine Oval Handrail	10.90	3.61
01 95 06 00-0008	LF	2-1/4" x 1-5/16" Residential Poplar Oval Handrail	11.77	3.61
01 95 06 00-0009	LF	1-3/4" x 1-5/8" Residential Oak Oval Handrail	13.24	3.61
01 95 06 00-0010	LF	2-1/4" x 1-1/2" Residential Oak Oval Handrail	13.50	3.61

01 95 06 00-0011 Residential Cabinet Repairs *(01 95 06)*

01 95 06 00-0012	EA	Removal And Replacement Of Residential Cabinet Door Note: Includes all hardware.	74.32	
01 95 06 00-0013	EA	Removal And Replacement Of Residential Cabinet Drawer Note: Includes all hardware.	89.28	
01 95 06 00-0014	PR	Removal And Replacement Of Residential Drawer Guides	37.27	
01 95 06 00-0015	EA	Removal And Replacement Of Residential Knob/Pull	18.55	
01 95 06 00-0016	PR	Removal And Replacement Of Residential Hinges	16.36	

01 95 06 00-0017 Residential Stair Parts *(01 95 06)*

01 95 06 00-0018	LF	Removal And Replacement Of Residential Pine Stair Treads	17.17	
01 95 06 00-0019	LF	Removal And Replacement Of Residential Oak Stair Treads	34.24	
01 95 06 00-0020	LF	Removal And Replacement Of Residential Pine Stair Risers	14.82	
01 95 06 00-0021	LF	Removal And Replacement Of Residential Oak Stair Risers	24.56	
01 95 06 00-0022	EA	Re-Anchor Residential Stairs Bracket	60.33	

01 95 06 00-0023 Residential Finish Carpentry And Wood Casings *(01 95 06)*

01 95 06 00-0024	LF	5/8" x 3-1/4" Residential Primed Finger Joint Casing	4.97	0.92
01 95 06 00-0025	LF	11/16" x 2-1/4" Residential Primed Finger Joint Casing	3.57	0.92
01 95 06 00-0026	LF	11/16" x 3-1/4" Residential Pine Casing	3.81	0.92

01 95 07 Residential - Thermal and Moisture Protection *(01 95)*

01 95 07 00-0001 Residential Siding *(01 95 07)*

See CSI section 06 65 00 00-0048 for PVC Trim, 07 46 33 00-0001 for vinyl siding.

01 95 07 00-0002 Residential Roofing *(01 95 07)*

See CSI section 07 31 00 00-0000 for shingles, 07 34 00 00-0000 for roof underlayment.

01 95 07 00-0003 Aluminum Drip Edge *(01 95 07 00-0002)*

See CSI section 07 62 19 00-0002 for drip edge.

01 95 07 00-0004	LF	0.031" Thick, Residential Vented Aluminum Drip Edge, 6-1/2" Shingle Underlay, Painted Finish	7.49	0.60

01 95 07 00-0005 Flashing *(01 95 07 00-0002)*

01 95 07 00-0006	SF	Residential Aluminum Valley Flashing	35.72	1.66
01 95 07 00-0007	SF	Residential Aluminum Step Flashing	36.97	2.06
01 95 07 00-0008	SF	Residential Copper Step Flashing	23.47	2.92

01 95 07 00-0009 Hip And Ridge Vent *(01 95 07 00-0002)*

See CSI section 07 31 13 13-0020 for hip and ridge vent.

01 95 08 Residential - Doors and Windows *(01 95)*

See CSI section 08 36 13 00-0101 for residential overhead doors, 08 53 00 00-0000 for vinyl windows.

01 95 08 00-0001 Residential Exterior Doors *(01 95 08)*

01 95 08 00-0002 Steel Exterior Residential Door Slab *(01 95 08 00-0001)*

Note: Primed galvanized steel skin with polystyrene core door.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 08 00-0003	EA	24 Gauge Flush Steel Exterior Residential Door Slab	285.40	27.10
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*2.31*	
		For 90 Minute Fire Rating, Add	*20.81*	
01 95 08 00-0004	EA	24 Gauge Six Panel Steel Exterior Residential Door Slab	304.22	27.10
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*2.50*	
		For 90 Minute Fire Rating, Add	*22.50*	
01 95 08 00-0005	EA	22 Gauge Flush Steel Exterior Residential Door Slab	461.44	28.38
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*4.05*	
		For 90 Minute Fire Rating, Add	*562.51*	
01 95 08 00-0006	EA	22 Gauge Six Panel Steel Exterior Residential Door Slab	473.71	28.38
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*4.17*	
		For 90 Minute Fire Rating, Add	*579.56*	

01 95 08 00-0007 Pre-Hung Steel Exterior Residential Doors *(01 95 08 00-0001)*

Note: Primed galvanized steel skin with polystyrene core door. Primed galvanized steel skin and wood frame.

01 95 08 00-0008	EA	25 Gauge Flush Pre-Hung (Or Slab Only) Steel Exterior Residential Doors	351.51	36.12
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*159.18*	
		For 90 Minute Fire Rating, Add	*368.64*	
01 95 08 00-0009	EA	25 Gauge Six Panel Pre-Hung (Or Slab Only) Steel Exterior Residential Doors	377.99	36.12
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*174.28*	
		For 90 Minute Fire Rating, Add	*403.59*	
01 95 08 00-0010	EA	24 Gauge Flush Pre-Hung Steel Exterior Residential Doors	564.29	38.70
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*19.48*	
		For 90 Minute Fire Rating, Add	*287.27*	
01 95 08 00-0011	EA	24 Gauge Six Panel Pre-Hung Steel Exterior Residential Doors	582.01	38.70
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*20.18*	
		For 90 Minute Fire Rating, Add	*297.72*	
01 95 08 00-0012	EA	22 Gauge Flush Pre-Hung Steel Exterior Residential Doors	693.47	41.28
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*24.44*	
		For 90 Minute Fire Rating, Add	*598.68*	
01 95 08 00-0013	EA	22 Gauge Six Panel Pre-Hung Steel Exterior Residential Doors	718.63	41.28
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*25.44*	
		For 90 Minute Fire Rating, Add	*623.34*	

01 95 08 00-0014 Fiberglass Exterior Residential Door Slab *(01 95 08 00-0001)*

01 95 08 00-0015	EA	Flush Fiberglass Exterior Residential Doors	371.92	27.10
		For 12" x 12" Vision Light, Add	*74.12*	
		For 20 Minute Fire Rating, Add	*3.18*	
01 95 08 00-0016	EA	Six Panel Fiberglass Exterior Residential Doors	372.09	27.10
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*136.70*	

01 95 08 00-0017 Pre-Hung Fiberglass Exterior Residential Doors *(01 95 08 00-0001)*

01 95 08 00-0018	EA	Flush Pre-Hung Fiberglass Exterior Residential Doors	645.71	38.70
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*96.61*	
01 95 08 00-0019	EA	Six Panel Pre-Hung Fiberglass Exterior Residential Doors	645.88	38.70
		For Fan Or Nine Lite, Add	*60.36*	
		For 20 Minute Fire Rating, Add	*147.80*	

01 95 08 00-0020 Residential Interior Doors *(01 95 08)*

01 95 08 00-0021 Birch Faced Hollow Core Flush Door Slab *(01 95 08 00-0020)*

Note: Includes preparing door for lockset and hinges.

01 95 08 00-0022	EA	2'-4", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab	121.59	23.47
01 95 08 00-0023	EA	2'-6", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab	122.10	23.74
01 95 08 00-0024	EA	2'-8", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab	125.03	24.00
01 95 08 00-0025	EA	3'-0", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab	130.36	24.25

01 95 08 00-0026 Lauan Faced Hollow Core Flush Door Slab *(01 95 08 00-0020)*

Note: Includes preparing door for lockset and hinges.

01 95 08 00-0027	EA	1'-6", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	91.84	20.64
01 95 08 00-0028	EA	2'-0", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	97.00	23.22
01 95 08 00-0029	EA	2'-4", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	104.74	23.47
01 95 08 00-0030	EA	2'-6", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	107.66	23.74
01 95 08 00-0031	EA	2'-8", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	110.59	24.00
01 95 08 00-0032	EA	3'-0", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab	113.50	24.25

01 95 08 00-0033 Lauan Faced Solid Core Flush Door Slab *(01 95 08 00-0020)*

Note: Includes preparing door for lockset and hinges.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 08 00-0034	EA	2'-8", 1-3/8" Unfinished, Lauan Faced, Solid Core, Residential Flush Door Slab	163.55	24.00
01 95 08 00-0035	EA	3'-0", 1-3/8" Unfinished, Lauan Faced, Solid Core, Residential Flush Door Slab	168.88	24.25
01 95 08 00-0036		**High-Density Fiberboard Hollow Core Six Panel Door Slab** *(01 95 08 00-0020)*		
		Note: Includes preparing door for lockset and hinges.		
01 95 08 00-0037	EA	2'-0", 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab	123.48	23.22
01 95 08 00-0038	EA	2'-4", 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab	131.22	23.47
01 95 08 00-0039	EA	2'-6", 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab	131.73	23.74
01 95 08 00-0040	EA	2'-8", 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab	137.07	24.00
01 95 08 00-0041	EA	3'-0", 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab	142.39	24.25
01 95 08 00-0042		**Pre-Hung Lauan Faced Hollow Core Flush Door Slab And Frame** *(01 95 08 00-0020)*		
		Note: Includes hinges.		
01 95 08 00-0043	EA	2'-0", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame	180.06	32.25
01 95 08 00-0044	EA	2'-4", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame	183.76	32.90
01 95 08 00-0045	EA	2'-6", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame	189.86	33.54
01 95 08 00-0046	EA	2'-8", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame	195.97	34.18
01 95 08 00-0047	EA	3'-0", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame	202.08	34.83
01 95 08 00-0048		**Pre-Hung High-Density Fiberboard Hollow Core Six Panel Door And Frame** *(01 95 08 00-0020)*		
		Note: Includes hinges.		
01 95 08 00-0049	EA	1'-6", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	208.78	30.96
01 95 08 00-0050	EA	2'-0", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	216.17	32.25
01 95 08 00-0051	EA	2'-4", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	231.91	32.90
01 95 08 00-0052	EA	2'-6", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	235.60	33.54
01 95 08 00-0053	EA	2'-8", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	241.71	34.18
01 95 08 00-0054	EA	3'-0", Pre-Hung 1-3/8" Primed, High-Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame	247.83	34.83
01 95 08 00-0055		**Residential Bi-Fold And Bi-Pass Doors** *(01 95 08)*		
		See CSI section 08 13 76 00-0001 for bi-fold metal doors, 08 14 76 00-0001 for bi-fold wood doors.		
01 95 08 00-0056		**Residential Security Screens** *(01 95 08)*		
01 95 08 00-0057	EA	Heavy-Duty Aluminum Residential Security Screen Door, 0.028" Stainless Mesh, Hardware (Tapco Or Equal)	733.55	79.76
		For Powder Coated Color, Add	*19.71*	
01 95 08 00-0058	EA	Heavy-Duty Steel Residential Security Screen Door, 0.028" Stainless Steel Mesh, Powder Coated Color And Hardware (Summitt Or Rusco Or Equal)	695.63	79.76
01 95 08 00-0059		**Residential Door Hardware** *(01 95 08)*		
		See CSI section 08 71 11 00-2425 for residential locks and latches, 08 71 11 00-2436 for deadbolts.		
01 95 08 00-0060	PR	Exterior Residential Grade Door Hinges	44.90	5.23
01 95 08 00-0061	PR	Interior Residential Grade Door Hinges	31.46	5.23
01 95 08 00-0062	EA	4" Modern Bright Brass Surface Bolt, Residential	35.95	5.75
01 95 08 00-0063	EA	6" Modern Bright Brass Surface Bolt, Residential	40.02	5.75
01 95 08 00-0064	EA	4" Modern Satin Chrome Surface Bolt, Residential	39.74	5.75
01 95 08 00-0065	EA	6" Modern Satin Chrome Surface Bolt, Residential	44.35	5.75
01 95 08 00-0066		**Residential Door Accessories** *(01 95 08)*		
01 95 08 00-0067	EA	Residential Chain Door Guard	30.17	5.15
01 95 08 00-0068	EA	Residential Wall Mounted Door Bumper	15.77	2.57
01 95 08 00-0069	OPNG	Residential Weatherstripping	69.73	4.50
01 95 08 00-0070	EA	Residential Aluminum Threshold	39.44	4.50
01 95 08 00-0071	EA	Residential Wood Threshold	44.21	4.50
01 95 08 00-0072		**Residential Window Repair** *(01 95 08)*		
		Note: Includes self adhering butyl rubber tape flashing at perimeter.		
01 95 08 00-0073	EA	Removal And Replacement Of Residential Window Sash Locks	11.30	
01 95 08 00-0074	EA	Removal And Replacement Of Residential Window Lifts/Handles	10.58	
01 95 08 00-0075	EA	Removal And Replacement Of Residential Window Balance, Complete (Per Balance)	13.58	
		Note: Includes bracket, guides and support hardware.		
01 95 08 00-0076	EA	Removal And Replacement Of Residential Casement Window Fasteners	10.97	
01 95 08 00-0077	EA	Removal And Replacement Of Residential Window Hooks	7.79	
01 95 08 00-0078	SF	Removal And Replacement Of Residential Fiberglass Window Insect Screens	2.81	
01 95 08 00-0079	SF	Removal And Replacement Of Residential Aluminum Window Insect Screens	2.84	
01 95 08 00-0080		**Residential Window Barrier** *(01 95 08)*		
01 95 08 00-0081	SF	Inoperable/Fixed, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR5Z)	28.23	0.34
01 95 08 00-0082	SF	Operable, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR50)	43.07	0.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 95 09 Residential - Finishes *(01 95)*

01 95 09 00-0001 **Residential Painting** *(01 95 09)*
Note: Based on overall floor area square foot or Gross Square Foot (GSF). Includes all materials, surface preparation (wipe down and light clean, patching holes up to 3/8"), caulking and sealing, all finishes, surface protection, and masking tape.

01 95 09 00-0002	GSF	Paint Entire Residential Unit Complete Note: Includes doors, walls, moldings, kitchen, ceilings, etc. Includes preparation. Per SF of floor area. Combination semi-gloss and eggshell. Two coats paint or one coat primer and one coat paint.	4.17	
		For Each Additional Coat, Add	*1.55*	
01 95 09 00-0003	GSF	Paint Entire Residential Unit Complete Excluding Doors Note: Includes walls, moldings, kitchen, ceilings, etc. Includes preparation. Per SF of floor area. Combination semi-gloss and eggshell. Two coats paint or one coat primer and one coat paint.	3.86	
		For Each Additional Coat, Add	*1.44*	

01 95 09 00-0004 **Residential Flooring Finishes** *(01 95 09)*
See CSI section 09 64 00 00-0000 for wood flooring, 09 65 00 00-0000 for resilient flooring.

01 95 10 Residential - Specialties *(01 95)*

01 95 10 00-0001 **Residential Toilet Accessories** *(01 95 10)*
See CSI section 10 28 16 13-0001 for residential toilet accessories.

01 95 11 Residential - Equipment *(01 95)*

01 95 11 00-0001 **Residential Kitchen Equipment** *(01 95 11)*
See CSI section 11 30 13 00-0000 for residential appliances.

01 95 11 00-0002 **Refrigerators** *(01 95 11 00-0001)*
See CSI section 11 30 13 13-0042 for residential refrigerators.

01 95 11 00-0003 **Ranges** *(01 95 11 00-0001)*
See CSI section 11 30 13 13-0001 for ranges.

01 95 22 Residential - Plumbing *(01 95)*

01 95 22 00-0001 **Residential Plumbing** *(01 95 22)*

01 95 22 00-0002 **Residential Lavatory Faucets** *(01 95 22 00-0001)*
See CSI section 22 41 39 00-0010 for residential kitchen faucets, 22 42 39 00-0024 for additional lavatory faucets.

01 95 22 00-0003 **Residential Preassembled Vanities With Tops** *(01 95 22 00-0001)*

01 95 22 00-0004	EA	19" Preassembled Residential Vanity With Top (Glacier Bay GB18P2COM-WH)	262.61	44.48
01 95 22 00-0005	EA	24-1/2" Preassembled Residential Vanity With Top (Glacier Bay GB24P2COM-WH)	326.52	54.18
01 95 22 00-0006	EA	30-1/2" Preassembled Residential Vanity With Top (Glacier Bay GB30P2COM-WH)	420.73	56.76

01 95 22 00-0007 **Residential Kitchen Faucets And Trim** *(01 95 22 00-0001)*
See CSI section 22 41 39 00-0001 for residential kitchen faucets.

01 95 22 00-0008 **Residential Water Heaters Parts And Accessories** *(01 95 22 00-0001)*

01 95 22 00-0009	EA	Removal And Replacement Of Residential Pressure And Temperature Valve	144.88
01 95 22 00-0010	EA	Removal And Replacement Of Residential 9", 120 Volt, 1,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	105.00
01 95 22 00-0011	EA	Removal And Replacement Of Residential 9", 208 Volt, 2,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	118.58
01 95 22 00-0012	EA	Removal And Replacement Of Residential 16-1/2", 208 Volt, 3,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	160.92
01 95 22 00-0013	EA	Removal And Replacement Of Residential 16-1/2", 208 Volt, 4,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	160.92
01 95 22 00-0014	EA	Removal And Replacement Of Residential 16-1/2", 208 Volt, 4,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	161.77
01 95 22 00-0015	EA	Removal And Replacement Of Residential 16-1/2", 208 Volt, 5,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	167.71
01 95 22 00-0016	EA	Removal And Replacement Of Residential 16-1/2", 208 Volt, 6,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	163.18
01 95 22 00-0017	EA	Removal And Replacement Of Residential 9-1/4", 240 Volt, 1,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	97.93
01 95 22 00-0018	EA	Removal And Replacement Of Residential 9", 240 Volt, 1,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	110.38
01 95 22 00-0019	EA	Removal And Replacement Of Residential 11-1/2", 240 Volt, 2,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	110.74
01 95 22 00-0020	EA	Removal And Replacement Of Residential 11", 240 Volt, 2,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	110.45
01 95 22 00-0021	EA	Removal And Replacement Of Residential 13-1/2", 240 Volt, 3,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	120.50
01 95 22 00-0022	EA	Removal And Replacement Of Residential 13-3/4", 240 Volt, 3,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	121.35
01 95 22 00-0023	EA	Removal And Replacement Of Residential 16", 240 Volt, 4,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	149.32
01 95 22 00-0024	EA	Removal And Replacement Of Residential 13-3/4", 240 Volt, 4,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	127.01
01 95 22 00-0025	EA	Removal And Replacement Of Residential 16", 240 Volt, 5,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	154.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 22 00-0026	EA	Removal And Replacement Of Residential 13-1/2", 240 Volt, 5,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	134.94	
01 95 22 00-0027	EA	Removal And Replacement Of Residential 16-1/2", 240 Volt, 6,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	151.58	
01 95 22 00-0028	EA	Removal And Replacement Of Residential 16-1/2", 277 Volt, 3,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	166.01	
01 95 22 00-0029	EA	Removal And Replacement Of Residential 16-1/2", 277 Volt, 4,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	174.78	
01 95 22 00-0030	EA	Removal And Replacement Of Residential 16", 480 Volt, 2,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	135.45	
01 95 22 00-0031	EA	Removal And Replacement Of Residential 16-1/2", 480 Volt, 3,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	165.44	
01 95 22 00-0032	EA	Removal And Replacement Of Residential 16-1/2", 480 Volt, 4,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	175.06	
01 95 22 00-0033	EA	Removal And Replacement Of Residential 16-1/2", 480 Volt, 4,500 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	175.91	
01 95 22 00-0034	EA	Removal And Replacement Of Residential 16-1/2", 480 Volt, 5,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	175.91	
01 95 22 00-0035	EA	Removal And Replacement Of Residential 16-1/2", 480 Volt, 6,000 Watt Screw-In Water Heater Element Note: Incoloy Nickel-base sheath elements.	171.10	

01 95 22 00-0036 Residential Domestic Water Heater *(01 95 22 00-0001)*

See CSI section 22 33 30 00-0000 for residential water heater.

01 95 23 Residential - HVAC *(01 95)*

01 95 23 00-0001 Residential HVAC *(01 95 23)*

01 95 23 00-0002 Residential Furnace Repair Parts And Accessories *(01 95 23 00-0001)*

01 95 23 00-0003	EA	Removal And Replacement Of Residential Motor Blower Assembly	196.41	
01 95 23 00-0004	EA	Removal And Replacement Of Residential Blower Assembly	671.08	
01 95 23 00-0005	EA	Removal And Replacement Of Residential Heater/Furnace Door	53.67	
01 95 23 00-0006	EA	Up To 4" Diameter Residential Roof Jack With Bird Screen And Back Draft Damper	85.80	23.81
01 95 23 00-0007	EA	6" Diameter Residential Roof Jack With Bird Screen And Back Draft Damper	115.48	23.81

01 95 23 00-0008 Residential Air Distribution *(01 95 23 00-0001)*

01 95 23 00-0009	EA	Removal And Replacement Of Residential Exhaust Fan	200.16	
01 95 23 00-0010	EA	Removal And Replacement Of Residential Return Air Grills	49.85	
01 95 23 00-0011	EA	Removal And Replacement Of Residential Air Registers	31.35	

01 95 23 00-0012 Residential Thermostat *(01 95 23 00-0001)*

01 95 23 00-0013	EA	24 Volt AC, Heat Only, Residential Thermostat (Lightstat) Note: With automatic setback.	378.43	21.57

01 95 23 00-0014 Residential Furnaces *(01 95 23 00-0001)*

Note: All units based on output. See CSI section 23 54 00 00-0000 for residential furnaces.

01 95 26 Residential - Electrical *(01 95)*

01 95 26 00-0001 Residential Wire *(01 95 26)*

01 95 26 00-0002	LF	2 Conductors, 12 AWG, Residential Non-Metallic Sheathed, Solid Copper Cable	3.87	0.71
01 95 26 00-0003	LF	2 Conductors, 10 AWG, Residential Non-Metallic Sheathed, Solid Copper Cable	4.87	0.71

01 95 26 00-0004 Residential Lighting Fixtures *(01 95 26)*

Note: Includes lamps.

01 95 26 00-0005 Residential Bedroom Fixtures *(01 95 26 00-0004)*

01 95 26 00-0006	EA	11" Round, Close To Ceiling, Incandescent Residential Fixture (Progress 3520-30)	108.17	14.70
01 95 26 00-0007	EA	12" Round, 2 - 13 Watt Lamps, Close To Ceiling, Compact Fluorescent Residential Fixture (Sea Gull 5902-15)	163.40	14.70
01 95 26 00-0008	EA	Globe, Close To Ceiling, Incandescent Residential Fixture (Progress 3605-30)	50.83	14.70
01 95 26 00-0009	EA	Globe, Close To Ceiling, Incandescent Residential Fixture, With Pull Chain (Progress 3605-30SW)	67.29	14.70
01 95 26 00-0010	EA	14" Round, Close To Ceiling, Compact Fluorescent Residential Fixture (Progress 7378-30)	197.66	14.70
01 95 26 00-0011	EA	12" Square, Incandescent Residential Canopy (Progress 4962)	51.36	14.70
01 95 26 00-0012	EA	12" Square, Incandescent Residential Canopy (Progress 4961)	50.15	14.70

01 95 26 00-0013 Residential Bathroom Fixtures *(01 95 26 00-0004)*

01 95 26 00-0014	EA	Incandescent Residential Wall Fixture (Sea Gull 4450)	66.43	14.70
01 95 26 00-0015	EA	Incandescent Residential Wall Fixture (Westinghouse 66401)	41.20	14.70
01 95 26 00-0016	EA	2 Lamps, Incandescent Residential Wall Fixture (Westinghouse 66403)	48.30	14.70

01 95 26 00-0017 Residential Kitchen And Hallway Fixtures *(01 95 26 00-0004)*

See CSI section 26 51 16 00-0224 for ceiling light fixtures.

01 95 26 00-0018	EA	5" x 26", 1 – 17 Watt, Vandal Resistant Fluorescent Fixture	584.26	14.70
01 95 26 00-0019	EA	9" x 26", 2 - 17 Watt, Vandal Resistant, Fluorescent Fixture	667.94	14.70

01 95 26 00-0020 Residential Exterior Fixtures *(01 95 26 00-0004)*

01 95 26 00-0021	EA	Glass Globe, Incandescent Residential Wall Lantern (Progress Lighting P5602-31)	43.03	14.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 26 00-0022	EA	Glass Lens, Incandescent Residential Wall Lantern (Lumapro 3RB20)	82.56	14.70
01 95 26 00-0023	EA	Polycarbonate Lens, HPS Residential Wall Lantern (Lumapro 5MM60)	257.46	14.70

01 95 26 00-0024 Residential Alarms *(01 95 26)*

01 95 26 00-0025	EA	Battery Operated, Residential Smoke Alarm (Kidde 0916E)	37.50	5.52
01 95 26 00-0026	EA	AC Powered, Residential Smoke Alarm (Kidde i12020)	43.72	11.04
01 95 26 00-0027	EA	Battery Operated, Residential Carbon Monoxide and Smoke Alarm (Kidde 900-0102)	132.98	5.52
01 95 26 00-0028	EA	AC Powered, Residential Carbon Monoxide Alarm (Kidde 900-0107)	131.02	11.04
01 95 26 00-0029	EA	AC Powered, Residential Carbon Monoxide and Fire Alarm (Kidde 900-0114)	151.12	11.04

01 95 26 00-0030 Residential Breakers *(01 95 26)*

See CSI section 26 28 16 13-0002 for circuit breakers.

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002 EA Mobilization Of Drilling Crew 736.78

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 22.19

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 76.75
02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 131.41

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing 78.47

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes 8.38

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing 102.19

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes 9.62

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation 39.72
02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 46.34
02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 61.79

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation 98.68
02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 177.62

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023 EA Shelby Tube Sampling 57.38
02 32 13 00-0024 EA Penetration Test 46.75

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026 VLF Boreholes 10.88

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Machine Dug Test, Entry/Exit Pits *(02 32 19)*

02 32 19 00-0002 CY Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Unpaved Areas 49.84
02 32 19 00-0003 CY Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas, Non-Arterial and Non-State Roads 95.52
02 32 19 00-0004 CY Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas - Arterial and State Roads 124.58

02 32 19 00-0005 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1551 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0025 for off-site disposal fee of material, 01 74 19 00-0031 for hauling excavated soil from site.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0006	EA	Minimum Charge For Hydro Excavation Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,244.91	
02 32 19 00-0007	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water.	711.38	
02 32 19 00-0008	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	889.22	
02 32 19 00-0009	EA	Move And Set-up At Different Access/Location, Hydro Excavation	88.92	
02 32 19 00-0010	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	74.16	
02 32 19 00-0011	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	118.63	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	4.54
		For >500 To 1,000, Deduct	*-0.45*
		For >1,000 To 2,500, Deduct	*-0.82*
		For >2,500 To 5,000, Deduct	*-1.18*
		For >5,000 To 10,000, Deduct	*-1.54*
		For >10,000, Deduct	*-1.91*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	6.81
		For >500 To 1,000, Deduct	*-0.68*
		For >1,000 To 2,500, Deduct	*-1.23*
		For >2,500 To 5,000, Deduct	*-1.77*
		For >5,000 To 10,000, Deduct	*-2.32*
		For >10,000, Deduct	*-2.86*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	9.09
		For >500 To 1,000, Deduct	*-0.91*
		For >1,000 To 2,500, Deduct	*-1.64*
		For >2,500 To 5,000, Deduct	*-2.36*
		For >5,000 To 10,000, Deduct	*-3.09*
		For >10,000, Deduct	*-3.82*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.79
		For >500 To 1,000, Deduct	*-0.98*
		For >1,000 To 2,500, Deduct	*-1.76*
		For >2,500 To 5,000, Deduct	*-2.55*
		For >5,000 To 10,000, Deduct	*-3.33*
		For >10,000, Deduct	*-4.11*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	13.82
		For >500 To 1,000, Deduct	*-1.38*
		For >1,000 To 2,500, Deduct	*-2.49*
		For >2,500 To 5,000, Deduct	*-3.59*
		For >5,000 To 10,000, Deduct	*-4.70*
		For >10,000, Deduct	*-5.80*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	19.58
		For >500 To 1,000, Deduct	*-1.96*
		For >1,000 To 2,500, Deduct	*-3.52*
		For >2,500 To 5,000, Deduct	*-5.09*
		For >5,000 To 10,000, Deduct	*-6.66*
		For >10,000, Deduct	*-8.22*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	27.64
		For >500 To 1,000, Deduct	*-2.76*
		For >1,000 To 2,500, Deduct	*-4.98*
		For >2,500 To 5,000, Deduct	*-7.19*
		For >5,000 To 10,000, Deduct	*-9.40*
		For >10,000, Deduct	*-11.61*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	36.16
		For >500 To 1,000, Deduct	*-3.62*
		For >1,000 To 2,500, Deduct	*-6.51*
		For >2,500 To 5,000, Deduct	*-9.40*
		For >5,000 To 10,000, Deduct	*-12.29*
		For >10,000, Deduct	*-15.19*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	47.01
		For >500 To 1,000, Deduct	*-4.70*
		For >1,000 To 2,500, Deduct	*-8.46*
		For >2,500 To 5,000, Deduct	*-12.22*
		For >5,000 To 10,000, Deduct	*-15.98*
		For >10,000, Deduct	*-19.74*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	0.93
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.17
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	1.55
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.16
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	1.48
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	1.94

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	10.93
		For Elevated Slab, Add	*5.47*
		For >500 To 1,000, Deduct	*-1.09*
		For >1,000 To 2,500, Deduct	*-1.97*
		For >2,500 To 5,000, Deduct	*-2.84*
		For >5,000 To 10,000, Deduct	*-3.72*
		For >10,000, Deduct	*-4.59*
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	14.92
		For Elevated Slab, Add	*7.46*
		For >500 To 1,000, Deduct	*-1.49*
		For >1,000 To 2,500, Deduct	*-2.69*
		For >2,500 To 5,000, Deduct	*-3.88*
		For >5,000 To 10,000, Deduct	*-5.07*
		For >10,000, Deduct	*-6.27*
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	20.71
		For Elevated Slab, Add	*10.36*
		For >500 To 1,000, Deduct	*-2.07*
		For >1,000 To 2,500, Deduct	*-3.73*
		For >2,500 To 5,000, Deduct	*-5.38*
		For >5,000 To 10,000, Deduct	*-7.04*
		For >10,000, Deduct	*-8.70*
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	27.02
		For Elevated Slab, Add	*13.51*
		For >500 To 1,000, Deduct	*-2.70*
		For >1,000 To 2,500, Deduct	*-4.86*
		For >2,500 To 5,000, Deduct	*-7.03*
		For >5,000 To 10,000, Deduct	*-9.19*
		For >10,000, Deduct	*-11.35*
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	37.61
		For Elevated Slab, Add	*18.81*
		For >500 To 1,000, Deduct	*-3.76*
		For >1,000 To 2,500, Deduct	*-6.77*
		For >2,500 To 5,000, Deduct	*-9.78*
		For >5,000 To 10,000, Deduct	*-12.79*
		For >10,000, Deduct	*-15.80*
02 41 13 13-0024	SY	>15" To 18" By Machine, Break-up And Remove Bituminous Paving	51.71
		For Elevated Slab, Add	*25.86*
		For >500 To 1,000, Deduct	*-5.17*
		For >1,000 To 2,500, Deduct	*-9.31*
		For >2,500 To 5,000, Deduct	*-13.44*
		For >5,000 To 10,000, Deduct	*-17.58*
		For >10,000, Deduct	*-21.72*
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	12.57
		For Elevated Slab, Add	*6.29*
		For >500 To 1,000, Deduct	*-1.26*
		For >1,000 To 2,500, Deduct	*-2.26*
		For >2,500 To 5,000, Deduct	*-3.27*
		For >5,000 To 10,000, Deduct	*-4.27*
		For >10,000, Deduct	*-5.28*
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	16.45
		For Elevated Slab, Add	*8.23*
		For >500 To 1,000, Deduct	*-1.65*
		For >1,000 To 2,500, Deduct	*-2.96*
		For >2,500 To 5,000, Deduct	*-4.28*
		For >5,000 To 10,000, Deduct	*-5.59*
		For >10,000, Deduct	*-6.91*
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	29.37
		For Elevated Slab, Add	*14.69*
		For >500 To 1,000, Deduct	*-2.94*
		For >1,000 To 2,500, Deduct	*-5.29*
		For >2,500 To 5,000, Deduct	*-7.64*
		For >5,000 To 10,000, Deduct	*-9.99*
		For >10,000, Deduct	*-12.34*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	38.38	
		For Elevated Slab, Add	*19.19*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000 To 2,500, Deduct	*-6.91*	
		For >2,500 To 5,000, Deduct	*-9.98*	
		For >5,000 To 10,000, Deduct	*-13.05*	
		For >10,000, Deduct	*-16.12*	
02 41 13 13-0029	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	16.68	
		For Elevated Slab, Add	*8.34*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000 To 2,500, Deduct	*-3.00*	
		For >2,500 To 5,000, Deduct	*-4.34*	
		For >5,000 To 10,000, Deduct	*-5.67*	
		For >10,000, Deduct	*-7.01*	
02 41 13 13-0030	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	21.62	
		For Elevated Slab, Add	*10.81*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,500, Deduct	*-3.89*	
		For >2,500 To 5,000, Deduct	*-5.62*	
		For >5,000 To 10,000, Deduct	*-7.35*	
		For >10,000, Deduct	*-9.08*	
02 41 13 13-0031	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	35.84	
		For Elevated Slab, Add	*17.92*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000 To 2,500, Deduct	*-6.45*	
		For >2,500 To 5,000, Deduct	*-9.32*	
		For >5,000 To 10,000, Deduct	*-12.19*	
		For >10,000, Deduct	*-15.05*	
02 41 13 13-0032	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	18.10	
		For Elevated Slab, Add	*9.05*	
		For >500 To 1,000, Deduct	*-1.81*	
		For >1,000 To 2,500, Deduct	*-3.26*	
		For >2,500 To 5,000, Deduct	*-4.71*	
		For >5,000 To 10,000, Deduct	*-6.15*	
		For >10,000, Deduct	*-7.60*	
02 41 13 13-0033	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	23.26	
		For Elevated Slab, Add	*11.63*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000 To 2,500, Deduct	*-4.19*	
		For >2,500 To 5,000, Deduct	*-6.05*	
		For >5,000 To 10,000, Deduct	*-7.91*	
		For >10,000, Deduct	*-9.77*	
02 41 13 13-0034	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	41.60	
		For Elevated Slab, Add	*20.80*	
		For >500 To 1,000, Deduct	*-4.16*	
		For >1,000 To 2,500, Deduct	*-7.49*	
		For >2,500 To 5,000, Deduct	*-10.82*	
		For >5,000 To 10,000, Deduct	*-14.14*	
		For >10,000, Deduct	*-17.47*	
02 41 13 13-0035	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	54.29	
		For Elevated Slab, Add	*27.15*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000 To 2,500, Deduct	*-9.77*	
		For >2,500 To 5,000, Deduct	*-14.12*	
		For >5,000 To 10,000, Deduct	*-18.46*	
		For >10,000, Deduct	*-22.80*	
02 41 13 13-0036	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	70.97	
		For Elevated Slab, Add	*35.49*	
		For >500 To 1,000, Deduct	*-7.10*	
		For >1,000 To 2,500, Deduct	*-12.77*	
		For >2,500 To 5,000, Deduct	*-18.45*	
		For >5,000 To 10,000, Deduct	*-24.13*	
		For >10,000, Deduct	*-29.81*	
02 41 13 13-0037	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	86.14	
		For Elevated Slab, Add	*43.07*	
		For >500 To 1,000, Deduct	*-8.61*	
		For >1,000 To 2,500, Deduct	*-15.51*	
		For >2,500 To 5,000, Deduct	*-22.40*	
		For >5,000 To 10,000, Deduct	*-29.29*	
		For >10,000, Deduct	*-36.18*	

02 41 13 13-0038 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	2.06
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	2.72
02 41 13 13-0041	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	3.54
02 41 13 13-0042	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	2.59
02 41 13 13-0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	3.57
02 41 13 13-0044	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	4.57
02 41 13 13-0045	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	3.61
02 41 13 13-0046	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	4.99
02 41 13 13-0047	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	6.40

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0048 Grind Concrete *(02 41 13 13)*

02 41 13 13-0049 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) 108.81
Note: For each location up to 5' wide, feather up to 12" each direction.

For >1/2" To 1" Depth Of Grinding, Add	*16.32*
For >1" To 1-1/2" Depth Of Grinding, Add	*27.20*
For Up To 5, Add	*21.76*
For >5 To 10, Add	*10.88*
For >25 To 50, Deduct	*-10.88*
For >50 To 250, Deduct	*-16.32*
For >250, Deduct	*-21.76*
For Sidewalks >5', Add	*10.88*
For Up To 12" Additional Feathering Per Side, Add	*10.88*

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*
Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 4.54
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 5.68
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 7.59
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 15.12

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*
Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 5.07
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 7.66
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 6.27
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 5.57

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*
Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition 49.77

For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.73*
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.47*
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-11.20*
For Up To 500, Add	*14.93*
For >500 To 1,000, Add	*9.95*
For >1,000 To 2,000, Add	*4.98*
For Volume Of Area Within 15' To An Adjacent Building, Add	*16.42*
For No Interior Partitions, Deduct	*-12.44*

02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition 30.81

For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.31*
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-4.62*
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-6.93*
For Up To 500, Add	*9.24*
For >500 To 1,000, Add	*6.16*
For >1,000 To 2,000, Add	*3.08*
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*4.62*
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*7.70*
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*10.78*
For Volume Of Area Within 15' To An Adjacent Building, Add	*10.17*
For No Interior Partitions, Deduct	*-7.70*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	62.45	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.68*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-9.37*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-14.05*	
		For Up To 500, Add	*18.74*	
		For >500 To 1,000, Add	*12.49*	
		For >1,000 To 2,000, Add	*6.25*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*20.61*	
		For No Interior Partitions, Deduct	*-15.61*	
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition	40.69	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.05*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.10*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.16*	
		For Up To 500, Add	*12.21*	
		For >500 To 1,000, Add	*8.14*	
		For >1,000 To 2,000, Add	*4.07*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*6.10*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*10.17*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*14.24*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*13.43*	
		For No Interior Partitions, Deduct	*-10.17*	

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	53.16	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.99*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.97*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-11.96*	
		For Up To 500, Add	*15.95*	
		For >500 To 1,000, Add	*10.63*	
		For >1,000 To 2,000, Add	*5.32*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*17.54*	
		For No Interior Partitions, Deduct	*-13.29*	
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition	34.17	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.56*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.13*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-7.69*	
		For Up To 500, Add	*10.25*	
		For >500 To 1,000, Add	*6.83*	
		For >1,000 To 2,000, Add	*3.42*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*5.13*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*8.54*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*11.96*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*11.28*	
		For No Interior Partitions, Deduct	*-8.54*	

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition	43.88	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.29*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.58*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.87*	
		For Up To 500, Add	*13.16*	
		For >500 To 1,000, Add	*8.78*	
		For >1,000 To 2,000, Add	*4.39*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*14.48*	
		For No Interior Partitions, Deduct	*-10.97*	
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition	27.65	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.07*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-4.15*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-6.22*	
		For Up To 500, Add	*8.30*	
		For >500 To 1,000, Add	*5.53*	
		For >1,000 To 2,000, Add	*2.77*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*4.15*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*6.91*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*9.68*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*9.12*	
		For No Interior Partitions, Deduct	*-6.91*	

02 41 16 13-0019 Wood Frame Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	38.14	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.86*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.72*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-8.58*	
		For Up To 500, Add	*11.44*	
		For >500 To 1,000, Add	*7.63*	
		For >1,000 To 2,000, Add	*3.81*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*12.59*	
		For No Interior Partitions, Deduct	*-9.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	23.67	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-1.78*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-3.55*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-5.33*	
		For Up To 500, Add	*7.10*	
		For >500 To 1,000, Add	*4.73*	
		For >1,000 To 2,000, Add	*2.37*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*3.55*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*7.81*	
		For No Interior Partitions, Deduct	*-5.92*	

02 41 16 13-0022 Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*

Note: Per building volume.

02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	4.88	
		For Up To 500, Add	*1.46*	
		For >500 To 1,000, Add	*0.98*	
		For >1,000 To 2,000, Add	*0.49*	

02 41 16 13-0024 Foundation Demolition *(02 41 16 13)*

Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.

02 41 16 13-0025 Concrete Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	8.25	
		For >135 To 405, Deduct	*-0.72*	
		For >405 To 810, Deduct	*-1.44*	
		For >810 To 2025, Deduct	*-2.06*	
		For >2025, Deduct	*-3.30*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	9.90	
		For >135 To 405, Deduct	*-0.87*	
		For >405 To 810, Deduct	*-1.73*	
		For >810 To 2025, Deduct	*-2.48*	
		For >2025, Deduct	*-3.96*	

02 41 16 13-0028 Concrete Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	3.54	
		For >500 To 2,000, Deduct	*-0.27*	
		For >2,000 To 6,000, Deduct	*-0.71*	
		For >6,000 To 8,000, Deduct	*-1.24*	
		For >8,000, Deduct	*-1.95*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	4.71	
		For >500 To 2,000, Deduct	*-0.35*	
		For >2,000 To 6,000, Deduct	*-0.94*	
		For >6,000 To 8,000, Deduct	*-1.65*	
		For >8,000, Deduct	*-2.59*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	5.89	
		For >500 To 2,000, Deduct	*-0.44*	
		For >2,000 To 6,000, Deduct	*-1.18*	
		For >6,000 To 8,000, Deduct	*-2.06*	
		For >8,000, Deduct	*-3.24*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	7.08	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.42*	
		For >6,000 To 8,000, Deduct	*-2.48*	
		For >8,000, Deduct	*-3.89*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	8.25	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.65*	
		For >6,000 To 8,000, Deduct	*-2.89*	
		For >8,000, Deduct	*-4.54*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.43	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000 To 6,000, Deduct	*-1.89*	
		For >6,000 To 8,000, Deduct	*-3.30*	
		For >8,000, Deduct	*-5.19*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	4.25	
		For >500 To 2,000, Deduct	*-0.32*	
		For >2,000 To 6,000, Deduct	*-0.85*	
		For >6,000 To 8,000, Deduct	*-1.49*	
		For >8,000, Deduct	*-2.34*	
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	5.66	
		For >500 To 2,000, Deduct	*-0.42*	
		For >2,000 To 6,000, Deduct	*-1.13*	
		For >6,000 To 8,000, Deduct	*-1.98*	
		For >8,000, Deduct	*-3.11*	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	7.08	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.42*	
		For >6,000 To 8,000, Deduct	*-2.48*	
		For >8,000, Deduct	*-3.89*	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	8.37	
		For >500 To 2,000, Deduct	*-0.63*	
		For >2,000 To 6,000, Deduct	*-1.67*	
		For >6,000 To 8,000, Deduct	*-2.93*	
		For >8,000, Deduct	*-4.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		9.90
		For >500 To 2,000, Deduct		*-0.74*
		For >2,000 To 6,000, Deduct		*-1.98*
		For >6,000 To 8,000, Deduct		*-3.47*
		For >8,000, Deduct		*-5.45*
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		11.31
		For >500 To 2,000, Deduct		*-0.85*
		For >2,000 To 6,000, Deduct		*-2.26*
		For >6,000 To 8,000, Deduct		*-3.96*
		For >8,000, Deduct		*-6.22*

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		2.60
		For >500 To 2,000, Deduct		*-0.20*
		For >2,000 To 6,000, Deduct		*-0.52*
		For >6,000 To 8,000, Deduct		*-0.91*
		For >8,000, Deduct		*-1.43*
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		2.77
		For >500 To 2,000, Deduct		*-0.21*
		For >2,000 To 6,000, Deduct		*-0.55*
		For >6,000 To 8,000, Deduct		*-0.97*
		For >8,000, Deduct		*-1.52*
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		3.12
		For >500 To 2,000, Deduct		*-0.23*
		For >2,000 To 6,000, Deduct		*-0.62*
		For >6,000 To 8,000, Deduct		*-1.09*
		For >8,000, Deduct		*-1.72*
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		3.60
		For >500 To 2,000, Deduct		*-0.27*
		For >2,000 To 6,000, Deduct		*-0.72*
		For >6,000 To 8,000, Deduct		*-1.26*
		For >8,000, Deduct		*-1.98*
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		4.00
		For >500 To 2,000, Deduct		*-0.30*
		For >2,000 To 6,000, Deduct		*-0.80*
		For >6,000 To 8,000, Deduct		*-1.40*
		For >8,000, Deduct		*-2.20*
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.01
		For >500 To 2,000, Deduct		*-0.38*
		For >2,000 To 6,000, Deduct		*-1.00*
		For >6,000 To 8,000, Deduct		*-1.75*
		For >8,000, Deduct		*-2.76*
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition		3.11
		For >500 To 2,000, Deduct		*-0.23*
		For >2,000 To 6,000, Deduct		*-0.62*
		For >6,000 To 8,000, Deduct		*-1.09*
		For >8,000, Deduct		*-1.71*
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition		3.32
		For >500 To 2,000, Deduct		*-0.25*
		For >2,000 To 6,000, Deduct		*-0.66*
		For >6,000 To 8,000, Deduct		*-1.16*
		For >8,000, Deduct		*-1.83*
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition		3.75
		For >500 To 2,000, Deduct		*-0.28*
		For >2,000 To 6,000, Deduct		*-0.75*
		For >6,000 To 8,000, Deduct		*-1.31*
		For >8,000, Deduct		*-2.06*
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition		4.32
		For >500 To 2,000, Deduct		*-0.32*
		For >2,000 To 6,000, Deduct		*-0.86*
		For >6,000 To 8,000, Deduct		*-1.51*
		For >8,000, Deduct		*-2.38*
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition		4.81
		For >500 To 2,000, Deduct		*-0.36*
		For >2,000 To 6,000, Deduct		*-0.96*
		For >6,000 To 8,000, Deduct		*-1.68*
		For >8,000, Deduct		*-2.65*
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition		6.01
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.20*
		For >6,000 To 8,000, Deduct		*-2.10*
		For >8,000, Deduct		*-3.31*

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition		2.60
		For >500 To 2,000, Deduct		*-0.20*
		For >2,000 To 6,000, Deduct		*-0.52*
		For >6,000 To 8,000, Deduct		*-0.91*
		For >8,000, Deduct		*-1.43*
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition		2.77
		For >500 To 2,000, Deduct		*-0.21*
		For >2,000 To 6,000, Deduct		*-0.55*
		For >6,000 To 8,000, Deduct		*-0.97*
		For >8,000, Deduct		*-1.52*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	3.12	
		For >500 To 2,000, Deduct	*-0.23*	
		For >2,000 To 6,000, Deduct	*-0.62*	
		For >6,000 To 8,000, Deduct	*-1.09*	
		For >8,000, Deduct	*-1.72*	
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	3.60	
		For >500 To 2,000, Deduct	*-0.27*	
		For >2,000 To 6,000, Deduct	*-0.72*	
		For >6,000 To 8,000, Deduct	*-1.26*	
		For >8,000, Deduct	*-1.98*	
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	4.00	
		For >500 To 2,000, Deduct	*-0.30*	
		For >2,000 To 6,000, Deduct	*-0.80*	
		For >6,000 To 8,000, Deduct	*-1.40*	
		For >8,000, Deduct	*-2.20*	
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	5.01	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.00*	
		For >6,000 To 8,000, Deduct	*-1.75*	
		For >8,000, Deduct	*-2.76*	

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	8.25	
		For >135 To 405, Deduct	*-0.72*	
		For >405 To 810, Deduct	*-1.44*	
		For >810 To 2025, Deduct	*-2.06*	
		For >2025, Deduct	*-3.30*	

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.	8.96	
		For >135 To 405, Deduct	*-0.78*	
		For >405 To 810, Deduct	*-1.57*	
		For >810 To 2025, Deduct	*-2.24*	
		For >2025, Deduct	*-3.58*	

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	7.58	
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	11.84	
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	15.17	
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	18.98	
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	23.31	
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	13.10	

02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	15.36	
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	11.54	
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	8.83	
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	6.11	

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	13.01	
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	18.61	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	34.02	

02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	2.89	
		For Cleaning and Storage For Reuse, Add	*4.34*	

02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	2.54	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	2.86	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	3.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	3.78	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	4.16	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	5.20	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	3.00	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	3.43	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	4.16	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	4.53	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	4.99	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	6.23	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	2.54	
		For Cleaning and Storage For Reuse, Add	*3.81*	
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	2.86	
		For Cleaning and Storage For Reuse, Add	*4.29*	
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	3.46	
		For Cleaning and Storage For Reuse, Add	*5.19*	
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	3.78	
		For Cleaning and Storage For Reuse, Add	*5.67*	
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	4.16	
		For Cleaning and Storage For Reuse, Add	*6.24*	
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	5.20	
		For Cleaning and Storage For Reuse, Add	*7.80*	
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	7.38	
		For Cleaning and Storage For Reuse, Add	*11.07*	

02 41 19 13-0040 Lintel Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0041	LF	Demolish Steel Lintel	7.80	
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel	10.40	
02 41 19 13-0043	LF	Demolish Steel Shelf Angle	8.24	

02 41 19 13-0044 Reinstall Lintel *(02 41 19 13-0001)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	4.09	
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel	10.40	
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	32.56	
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel	11.56	
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	61.94	
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings	129.42	

02 41 19 13-0051 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	3.67	
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	6.66	
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	8.37	
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	9.87	
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	11.67	

02 41 19 13-0057 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0058	EA	Minimum Charge For Saw Cut Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	762.30	
02 41 19 13-0059	LF	Bituminous Paving Up To 4" Depth, Saw Cut	1.45	
		For Each Additional Pass (Depth To 3"), Add	*0.53*	
		For >250, Deduct	*-0.13*	
02 41 19 13-0060	LF	Brick Masonry Up To 4" Depth, Saw Cut	4.97	
		For Each Additional Pass (Depth To 3"), Add	*1.93*	
		For >250, Deduct	*-0.48*	
02 41 19 13-0061	LF	Concrete Block Up To 4" Depth, Saw Cut	4.51	
		For Each Additional Pass (Depth To 3"), Add	*1.75*	
		For >250, Deduct	*-0.43*	
02 41 19 13-0062	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	1.72	
		For Each Additional Pass (Depth To 3"), Add	*0.62*	
		For >250, Deduct	*-0.15*	
02 41 19 13-0063	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	2.23	
		For Each Additional Pass (Depth To 3"), Add	*0.82*	
		For >250, Deduct	*-0.20*	
02 41 19 13-0064	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.50	
		For Each Additional Pass (Depth To 3"), Add	*1.32*	
		For >250, Deduct	*-0.32*	
02 41 19 13-0065	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	6.31	
		For Each Additional Pass (Depth To 3"), Add	*2.46*	
		For >250, Deduct	*-0.61*	
02 41 19 13-0066	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	8.46	
		For Each Additional Pass (Depth To 3"), Add	*3.30*	
		For >250, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0067	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	2.08	
		For Each Additional Pass (Depth To 3"), Add	*0.70*	
		For >250, Deduct	*-0.17*	
02 41 19 13-0068	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	4.55	
		For Each Additional Pass (Depth To 3"), Add	*1.76*	
		For >250, Deduct	*-0.43*	
02 41 19 13-0069	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	4.55	
		For Each Additional Pass (Depth To 3"), Add	*1.76*	
		For >250, Deduct	*-0.43*	
02 41 19 13-0070	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	4.55	
		For Each Additional Pass (Depth To 3"), Add	*1.76*	
		For >250, Deduct	*-0.43*	
02 41 19 13-0071	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	4.55	
		For Each Additional Pass (Depth To 3"), Add	*1.76*	
		For >250, Deduct	*-0.43*	

02 41 19 13-0072 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0073	LF	Up To 1/2", Torch Cut Steel Plate	1.54	
02 41 19 13-0074	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	3.08	
02 41 19 13-0075	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	4.60	
02 41 19 13-0076	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	6.14	
02 41 19 13-0077	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	7.68	
02 41 19 13-0078	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	9.22	
02 41 19 13-0079	EA	Minimum Charge For Torch Cutting	656.09	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0080 Drilling In Existing Materials *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and cleanup.

02 41 19 13-0081 Concrete Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0083	EA	Drill 1" Diameter Core In Up To 4" Concrete	23.31	
		For Horizontal Cores, Add	*4.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.12*	
02 41 19 13-0084	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	25.82	
		For Horizontal Cores, Add	*5.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.12*	
02 41 19 13-0085	EA	Drill 2" Diameter Core In Up To 4" Concrete	28.65	
		For Horizontal Cores, Add	*5.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.25*	
02 41 19 13-0086	EA	Drill 3" Diameter Core In Up To 4" Concrete	40.88	
		For Horizontal Cores, Add	*8.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.07*	
02 41 19 13-0087	EA	Drill 4" Diameter Core In Up To 4" Concrete	54.78	
		For Horizontal Cores, Add	*10.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.54*	
02 41 19 13-0088	EA	Drill 6" Diameter Core In Up To 4" Concrete	61.45	
		For Horizontal Cores, Add	*12.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.11*	
02 41 19 13-0089	EA	Drill 8" Diameter Core In Up To 4" Concrete	98.06	
		For Horizontal Cores, Add	*19.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.58*	
02 41 19 13-0090	EA	Drill 10" Diameter Core In Up To 4" Concrete	122.75	
		For Horizontal Cores, Add	*24.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.22*	
02 41 19 13-0091	EA	Drill 12" Diameter Core In Up To 4" Concrete	143.29	
		For Horizontal Cores, Add	*28.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.26*	
02 41 19 13-0092	EA	Drill 14" Diameter Core In Up To 4" Concrete	163.87	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.28*	
02 41 19 13-0093	EA	Drill 18" Diameter Core In Up To 4" Concrete	184.85	
		For Horizontal Cores, Add	*36.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.32*	

02 41 19 13-0094 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0095	EA	Drill 1" Diameter Core In >4" To 6" Concrete	33.35	
		For Horizontal Cores, Add	*6.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.02*	
02 41 19 13-0096	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	36.96	
		For Horizontal Cores, Add	*7.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.46*	
02 41 19 13-0097	EA	Drill 2" Diameter Core In >4" To 6" Concrete	40.97	
		For Horizontal Cores, Add	*8.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.07*	
02 41 19 13-0098	EA	Drill 3" Diameter Core In >4" To 6" Concrete	49.30	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	
02 41 19 13-0099	EA	Drill 4" Diameter Core In >4" To 6" Concrete	61.71	
		For Horizontal Cores, Add	*12.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0100	EA	Drill 6" Diameter Core In >4" To 6" Concrete	82.17	
		For Horizontal Cores, Add	*16.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.15*	
02 41 19 13-0101	EA	Drill 8" Diameter Core In >4" To 6" Concrete	123.00	
		For Horizontal Cores, Add	*24.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.22*	
02 41 19 13-0102	EA	Drill 10" Diameter Core In >4" To 6" Concrete	143.95	
		For Horizontal Cores, Add	*28.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.26*	
02 41 19 13-0103	EA	Drill 12" Diameter Core In >4" To 6" Concrete	164.68	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.28*	
02 41 19 13-0104	EA	Drill 14" Diameter Core In >4" To 6" Concrete	185.61	
		For Horizontal Cores, Add	*36.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.32*	
02 41 19 13-0105	EA	Drill 18" Diameter Core In >4" To 6" Concrete	207.14	
		For Horizontal Cores, Add	*40.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.36*	

02 41 19 13-0106 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0107	EA	Drill 1" Diameter Core In >6" To 8" Concrete	36.88	
		For Horizontal Cores, Add	*7.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.32*	
02 41 19 13-0108	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	40.86	
		For Horizontal Cores, Add	*7.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.91*	
02 41 19 13-0109	EA	Drill 2" Diameter Core In >6" To 8" Concrete	45.28	
		For Horizontal Cores, Add	*8.84*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.68*	
02 41 19 13-0110	EA	Drill 3" Diameter Core In >6" To 8" Concrete	53.73	
		For Horizontal Cores, Add	*10.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.90*	
02 41 19 13-0111	EA	Drill 4" Diameter Core In >6" To 8" Concrete	70.25	
		For Horizontal Cores, Add	*13.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.32*	
02 41 19 13-0112	EA	Drill 6" Diameter Core In >6" To 8" Concrete	98.85	
		For Horizontal Cores, Add	*19.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.58*	
02 41 19 13-0113	EA	Drill 8" Diameter Core In >6" To 8" Concrete	164.00	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.28*	
02 41 19 13-0114	EA	Drill 10" Diameter Core In >6" To 8" Concrete	185.20	
		For Horizontal Cores, Add	*36.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.32*	
02 41 19 13-0115	EA	Drill 12" Diameter Core In >6" To 8" Concrete	206.17	
		For Horizontal Cores, Add	*40.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.36*	
02 41 19 13-0116	EA	Drill 14" Diameter Core In >6" To 8" Concrete	227.44	
		For Horizontal Cores, Add	*44.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.38*	
02 41 19 13-0117	EA	Drill 18" Diameter Core In >6" To 8" Concrete	249.53	
		For Horizontal Cores, Add	*48.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.44*	

02 41 19 13-0118 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0119	EA	Drill 1" Diameter Core In >8" To 10" Concrete	43.68	
		For Horizontal Cores, Add	*8.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.92*	
02 41 19 13-0120	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	48.38	
		For Horizontal Cores, Add	*9.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.80*	
02 41 19 13-0121	EA	Drill 2" Diameter Core In >8" To 10" Concrete	53.60	
		For Horizontal Cores, Add	*10.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.89*	
02 41 19 13-0122	EA	Drill 3" Diameter Core In >8" To 10" Concrete	62.15	
		For Horizontal Cores, Add	*12.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.11*	
02 41 19 13-0123	EA	Drill 4" Diameter Core In >8" To 10" Concrete	70.75	
		For Horizontal Cores, Add	*13.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.32*	
02 41 19 13-0124	EA	Drill 6" Diameter Core In >8" To 10" Concrete	99.46	
		For Horizontal Cores, Add	*19.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.58*	
02 41 19 13-0125	EA	Drill 8" Diameter Core In >8" To 10" Concrete	164.83	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.28*	
02 41 19 13-0126	EA	Drill 10" Diameter Core In >8" To 10" Concrete	186.29	
		For Horizontal Cores, Add	*36.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.32*	
02 41 19 13-0127	EA	Drill 12" Diameter Core In >8" To 10" Concrete	207.46	
		For Horizontal Cores, Add	*40.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*80.34*	
02 41 19 13-0128	EA	Drill 14" Diameter Core In >8" To 10" Concrete	229.10	
		For Horizontal Cores, Add	*44.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*88.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0129	EA	Drill 18" Diameter Core In >8" To 10" Concrete	251.66	
		For Horizontal Cores, Add	*48.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.41*	

02 41 19 13-0130 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0131	EA	Drill 1" Diameter Core In >10" To 12" Concrete	47.22	
		For Horizontal Cores, Add	*9.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.23*	
02 41 19 13-0132	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	52.28	
		For Horizontal Cores, Add	*10.13*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.25*	
02 41 19 13-0133	EA	Drill 2" Diameter Core In >10" To 12" Concrete	57.91	
		For Horizontal Cores, Add	*11.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.50*	
02 41 19 13-0134	EA	Drill 3" Diameter Core In >10" To 12" Concrete	62.55	
		For Horizontal Cores, Add	*12.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*24.11*	
02 41 19 13-0135	EA	Drill 4" Diameter Core In >10" To 12" Concrete	83.33	
		For Horizontal Cores, Add	*16.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.15*	
02 41 19 13-0136	EA	Drill 6" Diameter Core In >10" To 12" Concrete	108.12	
		For Horizontal Cores, Add	*20.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.79*	
02 41 19 13-0137	EA	Drill 8" Diameter Core In >10" To 12" Concrete	173.70	
		For Horizontal Cores, Add	*33.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*67.50*	
02 41 19 13-0138	EA	Drill 10" Diameter Core In >10" To 12" Concrete	187.39	
		For Horizontal Cores, Add	*36.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.32*	
02 41 19 13-0139	EA	Drill 12" Diameter Core In >10" To 12" Concrete	216.86	
		For Horizontal Cores, Add	*41.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*83.58*	

02 41 19 13-0140 >12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0141	IN	Drill 1" Diameter Core In >12" Concrete	5.72	
		For Horizontal Cores, Add	*1.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.23*	
02 41 19 13-0142	IN	Drill 1-1/2" Diameter Core In >12" Concrete	6.33	
		For Horizontal Cores, Add	*1.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.48*	
02 41 19 13-0143	IN	Drill 2" Diameter Core In >12" Concrete	7.01	
		For Horizontal Cores, Add	*1.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.75*	
02 41 19 13-0144	IN	Drill 3" Diameter Core In >12" Concrete	7.72	
		For Horizontal Cores, Add	*1.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.01*	
02 41 19 13-0145	IN	Drill 4" Diameter Core In >12" Concrete	10.29	
		For Horizontal Cores, Add	*2.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.02*	
02 41 19 13-0146	IN	Drill 6" Diameter Core In >12" Concrete	13.37	
		For Horizontal Cores, Add	*2.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.23*	
02 41 19 13-0147	IN	Drill 8" Diameter Core In >12" Concrete	21.52	
		For Horizontal Cores, Add	*4.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.44*	
02 41 19 13-0148	IN	Drill 10" Diameter Core In >12" Concrete	23.25	
		For Horizontal Cores, Add	*4.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.08*	
02 41 19 13-0149	IN	Drill 12" Diameter Core In >12" Concrete	26.79	
		For Horizontal Cores, Add	*5.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.45*	

02 41 19 13-0150 Brick/Concrete Block Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0151 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0152	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	18.74	
		For Horizontal Cores, Add	*3.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.29*	
02 41 19 13-0153	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	20.77	
		For Horizontal Cores, Add	*4.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.10*	
02 41 19 13-0154	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	23.02	
		For Horizontal Cores, Add	*4.50*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*9.00*	
02 41 19 13-0155	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	32.84	
		For Horizontal Cores, Add	*6.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.86*	
02 41 19 13-0156	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	44.01	
		For Horizontal Cores, Add	*8.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.23*	
02 41 19 13-0157	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	49.39	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0158	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	78.77	
		For Horizontal Cores, Add	*15.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.86*	
02 41 19 13-0159	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	98.65	
		For Horizontal Cores, Add	*19.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.58*	
02 41 19 13-0160	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	115.16	
		For Horizontal Cores, Add	*22.50*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.00*	
02 41 19 13-0161	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	131.73	
		For Horizontal Cores, Add	*25.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.43*	
02 41 19 13-0162	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	148.70	
		For Horizontal Cores, Add	*28.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.86*	

02 41 19 13-0163 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0164	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	26.84	
		For Horizontal Cores, Add	*5.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.42*	
02 41 19 13-0165	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	29.72	
		For Horizontal Cores, Add	*5.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.57*	
02 41 19 13-0166	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	32.94	
		For Horizontal Cores, Add	*6.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.86*	
02 41 19 13-0167	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	39.67	
		For Horizontal Cores, Add	*7.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.43*	
02 41 19 13-0168	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	49.65	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	
02 41 19 13-0169	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	66.09	
		For Horizontal Cores, Add	*12.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.72*	
02 41 19 13-0170	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	98.90	
		For Horizontal Cores, Add	*19.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.58*	
02 41 19 13-0171	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	115.82	
		For Horizontal Cores, Add	*22.50*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.00*	
02 41 19 13-0172	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	132.54	
		For Horizontal Cores, Add	*25.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.43*	
02 41 19 13-0173	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	149.46	
		For Horizontal Cores, Add	*28.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.86*	
02 41 19 13-0174	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	166.97	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.29*	

02 41 19 13-0175 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0176	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	29.72	
		For Horizontal Cores, Add	*5.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*11.46*	
02 41 19 13-0177	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	32.91	
		For Horizontal Cores, Add	*6.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*12.73*	
02 41 19 13-0178	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	36.44	
		For Horizontal Cores, Add	*7.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.14*	
02 41 19 13-0179	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	43.28	
		For Horizontal Cores, Add	*8.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.72*	
02 41 19 13-0180	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	56.60	
		For Horizontal Cores, Add	*10.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.86*	
02 41 19 13-0181	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	79.56	
		For Horizontal Cores, Add	*15.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.86*	
02 41 19 13-0182	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	131.86	
		For Horizontal Cores, Add	*25.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.43*	
02 41 19 13-0183	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	149.05	
		For Horizontal Cores, Add	*28.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.86*	
02 41 19 13-0184	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	166.00	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.29*	
02 41 19 13-0185	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	183.25	
		For Horizontal Cores, Add	*35.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*70.70*	
02 41 19 13-0186	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	201.31	
		For Horizontal Cores, Add	*38.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.15*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 19 13-0187 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0188	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	35.21	
		For Horizontal Cores, Add	*6.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.54*	
02 41 19 13-0189	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	38.98	
		For Horizontal Cores, Add	*7.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.04*	
02 41 19 13-0190	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	43.16	
		For Horizontal Cores, Add	*8.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.72*	
02 41 19 13-0191	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	50.09	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	
02 41 19 13-0192	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	57.10	
		For Horizontal Cores, Add	*10.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.86*	
02 41 19 13-0193	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	80.17	
		For Horizontal Cores, Add	*15.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.86*	
02 41 19 13-0194	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	132.69	
		For Horizontal Cores, Add	*25.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.43*	
02 41 19 13-0195	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	150.14	
		For Horizontal Cores, Add	*28.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.86*	
02 41 19 13-0196	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	167.29	
		For Horizontal Cores, Add	*32.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.28*	
02 41 19 13-0197	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	184.91	
		For Horizontal Cores, Add	*35.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*70.70*	
02 41 19 13-0198	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	203.45	
		For Horizontal Cores, Add	*38.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.13*	

02 41 19 13-0199 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0200	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	38.11	
		For Horizontal Cores, Add	*7.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.58*	
02 41 19 13-0201	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	42.15	
		For Horizontal Cores, Add	*8.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.20*	
02 41 19 13-0202	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	46.66	
		For Horizontal Cores, Add	*9.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.00*	
02 41 19 13-0203	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	50.49	
		For Horizontal Cores, Add	*9.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*19.28*	
02 41 19 13-0204	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	67.25	
		For Horizontal Cores, Add	*12.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.72*	
02 41 19 13-0205	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	87.22	
		For Horizontal Cores, Add	*16.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.43*	
02 41 19 13-0206	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	139.95	
		For Horizontal Cores, Add	*27.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.00*	
02 41 19 13-0207	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	151.24	
		For Horizontal Cores, Add	*28.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*57.86*	
02 41 19 13-0208	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	175.07	
		For Horizontal Cores, Add	*33.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.86*	

02 41 19 13-0209 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0210	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	4.59	
		For Horizontal Cores, Add	*0.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*1.78*	
02 41 19 13-0211	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	5.09	
		For Horizontal Cores, Add	*0.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*1.98*	
02 41 19 13-0212	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	5.64	
		For Horizontal Cores, Add	*1.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.20*	
02 41 19 13-0213	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	6.22	
		For Horizontal Cores, Add	*1.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*2.41*	
02 41 19 13-0214	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	8.28	
		For Horizontal Cores, Add	*1.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.21*	
02 41 19 13-0215	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	10.75	
		For Horizontal Cores, Add	*2.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0216	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	17.31	
		For Horizontal Cores, Add	*3.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.76*	
02 41 19 13-0217	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	18.71	
		For Horizontal Cores, Add	*3.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.26*	
02 41 19 13-0218	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	21.57	
		For Horizontal Cores, Add	*4.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.36*	

02 41 19 13-0219 Asphalt Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0221	EA	Drill 1" Diameter Core In Up To 2" Asphalt	11.10
02 41 19 13-0222	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	13.89
02 41 19 13-0223	EA	Drill 2" Diameter Core In Up To 2" Asphalt	17.36
02 41 19 13-0224	EA	Drill 3" Diameter Core In Up To 2" Asphalt	21.54
02 41 19 13-0225	EA	Drill 4" Diameter Core In Up To 2" Asphalt	27.10
02 41 19 13-0226	EA	Drill 6" Diameter Core In Up To 2" Asphalt	34.06
02 41 19 13-0227	EA	Drill 8" Diameter Core In Up To 2" Asphalt	42.45
02 41 19 13-0228	EA	Drill 10" Diameter Core In Up To 2" Asphalt	52.84
02 41 19 13-0229	EA	Drill 12" Diameter Core In Up To 2" Asphalt	66.02

02 41 19 13-0230 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0231	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	13.88
02 41 19 13-0232	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	18.03
02 41 19 13-0233	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	22.20
02 41 19 13-0234	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	27.76
02 41 19 13-0235	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	34.71
02 41 19 13-0236	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	43.75
02 41 19 13-0237	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	54.21
02 41 19 13-0238	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	68.06
02 41 19 13-0239	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	84.69

02 41 19 13-0240 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0241	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	18.04
02 41 19 13-0242	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	22.92
02 41 19 13-0243	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	28.46
02 41 19 13-0244	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	35.42
02 41 19 13-0245	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	44.49
02 41 19 13-0246	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	55.61
02 41 19 13-0247	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	69.59
02 41 19 13-0248	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	86.90
02 41 19 13-0249	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	108.41

02 41 19 13-0250 >4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0251	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	23.63
02 41 19 13-0252	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	29.21
02 41 19 13-0253	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	36.15
02 41 19 13-0254	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	45.94
02 41 19 13-0255	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	57.11
02 41 19 13-0256	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	71.05
02 41 19 13-0257	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	89.26
02 41 19 13-0258	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	111.45
02 41 19 13-0259	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	139.24

02 41 19 13-0260 Manhole Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0261	EA	Drill 4" Diameter Core In 6" Brick Manhole	121.52
02 41 19 13-0262	EA	Drill 5" Diameter Core In 6" Brick Manhole	138.87
02 41 19 13-0263	EA	Drill 6" Diameter Core In 6" Brick Manhole	161.92
02 41 19 13-0264	EA	Drill 8" Diameter Core In 6" Brick Manhole	242.73
02 41 19 13-0265	EA	Drill 2" Diameter Core In 8" Concrete Manhole	162.70
02 41 19 13-0266	EA	Drill 3" Diameter Core In 8" Concrete Manhole	173.43
02 41 19 13-0267	EA	Drill 4" Diameter Core In 8" Concrete Manhole	191.07
02 41 19 13-0268	EA	Drill 5" Diameter Core In 8" Concrete Manhole	205.06
02 41 19 13-0269	EA	Drill 6" Diameter Core In 8" Concrete Manhole	243.11
02 41 19 13-0270	EA	Drill 8" Diameter Core In 8" Concrete Manhole	347.15
02 41 19 13-0271	EA	Drill 2" Diameter Core In Fiberglass Manhole	16.10
02 41 19 13-0272	EA	Drill 3" Diameter Core In Fiberglass Manhole	18.59
02 41 19 13-0273	EA	Drill 4" Diameter Core In Fiberglass Manhole	20.14
02 41 19 13-0274	EA	Drill 5" Diameter Core In Fiberglass Manhole	21.98
02 41 19 13-0275	EA	Drill 6" Diameter Core In Fiberglass Manhole	24.17
02 41 19 13-0276	EA	Drill 8" Diameter Core In Fiberglass Manhole	26.87

02 41 19 13-0277 Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0080)*

Note: Includes layout.

02 41 19 13-0278	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0279	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	1.15	
02 41 19 13-0280	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.23	
02 41 19 13-0281	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	1.31	
02 41 19 13-0282	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	1.40	
02 41 19 13-0283	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	1.53	
02 41 19 13-0284	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	1.66	
02 41 19 13-0285	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	1.74	
02 41 19 13-0286	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	2.06	
02 41 19 13-0287	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.93	
02 41 19 13-0288	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.06	
02 41 19 13-0289	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.18	
02 41 19 13-0290	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.42	
02 41 19 13-0291	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	2.82	

02 41 19 13-0292 Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0080)*

Note: Includes layout.

02 41 19 13-0293	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	0.91	
02 41 19 13-0294	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	0.97	
02 41 19 13-0295	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.02	
02 41 19 13-0296	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.09	
02 41 19 13-0297	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.16	
02 41 19 13-0298	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.28	
02 41 19 13-0299	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.38	
02 41 19 13-0300	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.45	
02 41 19 13-0301	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.53	
02 41 19 13-0302	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.62	
02 41 19 13-0303	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.72	
02 41 19 13-0304	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.83	
02 41 19 13-0305	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.04	
02 41 19 13-0306	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.35	

02 41 19 13-0307 Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0080)*

Note: Includes layout.

02 41 19 13-0308	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.45	
02 41 19 13-0309	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.48	
02 41 19 13-0310	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.50	
02 41 19 13-0311	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.55	
02 41 19 13-0312	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.58	
02 41 19 13-0313	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.63	
02 41 19 13-0314	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.68	
02 41 19 13-0315	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.72	
02 41 19 13-0316	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.76	
02 41 19 13-0317	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.80	
02 41 19 13-0318	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.85	
02 41 19 13-0319	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.90	
02 41 19 13-0320	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.01	
02 41 19 13-0321	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.18	

02 41 19 13-0322 Drilling In Drywall Or Plaster Per Inch Of Depth *(02 41 19 13-0080)*

Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.

02 41 19 13-0323	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.45	
02 41 19 13-0324	IN	5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.48	
02 41 19 13-0325	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.50	
02 41 19 13-0326	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.55	
02 41 19 13-0327	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.58	
02 41 19 13-0328	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.63	
02 41 19 13-0329	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.68	
02 41 19 13-0330	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.72	
02 41 19 13-0331	IN	1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.76	
02 41 19 13-0332	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.80	
02 41 19 13-0333	IN	1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.85	
02 41 19 13-0334	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.90	
02 41 19 13-0335	IN	1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.01	
02 41 19 13-0336	IN	2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.18	
02 41 19 13-0337	IN	Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth	1.65	
02 41 19 13-0338	IN	Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth	2.08	
02 41 19 13-0339	IN	Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth	2.35	
02 41 19 13-0340	IN	Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth	2.62	

02 41 19 13-0341 Limestone Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0342 10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0341)*

02 41 19 13-0343	EA	Drill 1" Diameter Core In 10" To 14" Limestone	35.06	
02 41 19 13-0344	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	42.16	
02 41 19 13-0345	EA	Drill 2" Diameter Core In 10" To 14" Limestone	45.79	
02 41 19 13-0346	EA	Drill 3" Diameter Core In 10" To 14" Limestone	53.08	
02 41 19 13-0347	EA	Drill 4" Diameter Core In 10" To 14" Limestone	60.41	
02 41 19 13-0348	EA	Drill 6" Diameter Core In 10" To 14" Limestone	84.95	
02 41 19 13-0349	EA	Drill 8" Diameter Core In 10" To 14" Limestone	140.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0350		**15" To 18" Thick Limestone Core Drilling** *(02 41 19 13-0341)*		
02 41 19 13-0351	EA	Drill 1" Diameter Core In 15" To 18" Limestone	38.65	
02 41 19 13-0352	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	45.77	
02 41 19 13-0353	EA	Drill 2" Diameter Core In 15" To 18" Limestone	49.46	
02 41 19 13-0354	EA	Drill 3" Diameter Core In 15" To 18" Limestone	53.40	
02 41 19 13-0355	EA	Drill 4" Diameter Core In 15" To 18" Limestone	71.15	
02 41 19 13-0356	EA	Drill 6" Diameter Core In 15" To 18" Limestone	92.30	
02 41 19 13-0357	EA	Drill 8" Diameter Core In 15" To 18" Limestone	148.45	
02 41 19 13-0358		**19" To 24" Thick Limestone Core Drilling** *(02 41 19 13-0341)*		
02 41 19 13-0359	EA	Drill 1" Diameter Core In 19" To 24" Limestone	42.21	
02 41 19 13-0360	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	49.37	
02 41 19 13-0361	EA	Drill 2" Diameter Core In 19" To 24" Limestone	53.10	
02 41 19 13-0362	EA	Drill 3" Diameter Core In 19" To 24" Limestone	60.54	
02 41 19 13-0363	EA	Drill 4" Diameter Core In 19" To 24" Limestone	85.25	
02 41 19 13-0364	EA	Drill 6" Diameter Core In 19" To 24" Limestone	106.51	
02 41 19 13-0365	EA	Drill 8" Diameter Core In 19" To 24" Limestone	159.45	
02 41 19 13-0366		**Minimum Charge For Core Drilling** *(02 41 19 13-0080)*		
02 41 19 13-0367	EA	Minimum Charge For Core Drill Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	601.39	
02 41 19 13-0368		**Cutouts** *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0369		**Reinforced Concrete Slab On Grade Cutouts** *(02 41 19 13-0368)*		
02 41 19 13-0370	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	26.80	
02 41 19 13-0371	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	28.41	
02 41 19 13-0372	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	30.04	
02 41 19 13-0373	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	31.66	
02 41 19 13-0374	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	32.48	
02 41 19 13-0375		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0368)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0376	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	32.65	
02 41 19 13-0377	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	34.64	
02 41 19 13-0378	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	36.61	
02 41 19 13-0379	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	38.59	
02 41 19 13-0380	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	39.58	
02 41 19 13-0381		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0368)*		
02 41 19 13-0382	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	33.49	
02 41 19 13-0383	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	35.52	
02 41 19 13-0384	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	37.55	
02 41 19 13-0385	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	39.58	
02 41 19 13-0386	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	40.59	
02 41 19 13-0387		**Brick Wall Cutouts** *(02 41 19 13-0368)* Note: Excludes toothing.		
02 41 19 13-0388	SF	4" Thick Brick Wall Cutouts, <24 SF	10.15	
02 41 19 13-0389	SF	6" Thick Brick Wall Cutouts, <24 SF	16.74	
02 41 19 13-0390	SF	8" Thick Brick Wall Cutouts, <24 SF	23.32	
02 41 19 13-0391	SF	10" Thick Brick Wall Cutouts, <24 SF	28.41	
02 41 19 13-0392	SF	12" Thick Brick Wall Cutouts, <24 SF	34.00	
02 41 19 13-0393	SF	16" Thick Brick Wall Cutouts, <24 SF	40.09	
02 41 19 13-0394		**Concrete Block Wall Cutouts** *(02 41 19 13-0368)* Note: Excludes toothing.		
02 41 19 13-0395	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	16.79	
02 41 19 13-0396	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	17.78	
02 41 19 13-0397	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	18.77	
02 41 19 13-0398	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	19.79	
02 41 19 13-0399	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	20.30	
02 41 19 13-0400	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	21.31	
02 41 19 13-0401		**Limestone Cutouts** *(02 41 19 13-0368)*		
02 41 19 13-0402	SF	2" Thick Limestone Cutouts, <24 SF	28.41	
02 41 19 13-0403	SF	4" Thick Limestone Cutouts, <24 SF	34.51	
02 41 19 13-0404	SF	6" Thick Limestone Cutouts, <24 SF	36.53	
02 41 19 13-0405	SF	8" Thick Limestone Cutouts, <24 SF	38.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0406	SF	10" Thick Limestone Cutouts, <24 SF	40.59	
02 41 19 13-0407	SF	12" Thick Limestone Cutouts, <24 SF	42.63	

02 41 19 13-0408 Toothing Masonry Cutouts *(02 41 19 13-0368)*

Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.

02 41 19 13-0409	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	10.15	
02 41 19 13-0410	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	13.70	
02 41 19 13-0411	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	6.09	
02 41 19 13-0412	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	8.12	

02 41 19 13-0413 Minimum Charge For Cutouts *(02 41 19 13-0368)*

Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0414	EA	Minimum Charge For Cutouts	202.97	

02 41 19 13-0415 Elevated Concrete Removal *(02 41 19 13)*

02 41 19 13-0416	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	6.80	

02 41 19 16 Selective Interior Demolition *(02 41 19)*

Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.

02 41 19 16-0001 Floor Removal *(02 41 19 16)*

02 41 19 16-0002 Scarify Concrete *(02 41 19 16-0001)*

Note: Up to 1/4" removal per pass.

02 41 19 16-0003	SF	Scarify Concrete Floor	0.17	
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	1.44	
02 41 19 16-0005	SF	Scarify Concrete Wall	1.31	

02 41 19 16-0006 Fireproofing Removal *(02 41 19 16)*

02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	0.64	

02 41 19 16-0008 Demolish Ceiling *(02 41 19 16)*

02 41 19 16-0009	SF	Demolish Drywall Ceiling	0.49	
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling	1.13	
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System	0.87	

02 41 19 16-0012 Demolish Concrete Stair *(02 41 19 16)*

02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs	4.16	
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs	3.83	

02 41 19 16-0015 Demolish Interior Partition/Wall *(02 41 19 16)*

Note: Price includes knock down, loading, cleanup.

02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0015)*

Note: Includes saw cutting, knock down, loading and cleanup.

02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall	2.69	
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall	2.88	
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall	3.24	
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall	4.16	
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall	5.20	
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	3.22	
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	3.44	
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	3.88	
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	4.99	
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	6.23	

02 41 19 16-0028 Demolish Brick Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall	2.69	
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall	3.24	
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall	4.16	
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall	5.20	

02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0016)*

02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls	2.31	

02 41 19 16-0035 Demolish Concrete Interior Partition/Walls *(02 41 19 16-0016)*

See CSI section 02 41 16 13-0024 for concrete foundation demolition.

02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall	4.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		6.11
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		8.55
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		5.87
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		7.38
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		10.27
02 41 19 16-0042		Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		0.92
02 41 19 16-0044		Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		1.62
		For Heights >14' To 20', Add		*0.24*
		For Heights >20', Add		*0.32*
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		1.89
		For Heights >14' To 20', Add		*0.28*
		For Heights >20', Add		*0.38*
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		2.08
		For Heights >14' To 20', Add		*0.31*
		For Heights >20', Add		*0.42*
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		2.89
		For Heights >14' To 20', Add		*0.43*
		For Heights >20', Add		*0.58*
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		0.85
		For Heights >14' To 20', Add		*0.13*
		For Heights >20', Add		*0.17*
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		1.02
		For Heights >14' To 20', Add		*0.15*
		For Heights >20', Add		*0.20*

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	147.92

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use *(02 42 21 47)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	1.34
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	1.34
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	1.86
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	1.09
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	0.58
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.41

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	22.40
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	21.17
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	19.81
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	17.97
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	16.80
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	14.87
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	21.77
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	19.81
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	16.80

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	5.58	1.08

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.10
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil	5.77
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil	48.80

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.18
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.65

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	936.68
		For Work In Restricted Working Space, Add	*281.00*
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	62.09
		For Work In Restricted Working Space, Add	*18.63*
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.39
		For Work In Restricted Working Space, Add	*12.42*
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	31.09
		For Work In Restricted Working Space, Add	*9.33*
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	24.83
		For Work In Restricted Working Space, Add	*7.45*
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	21.11
		For Work In Restricted Working Space, Add	*6.33*
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	18.99
		For Work In Restricted Working Space, Add	*5.70*

02 62 Hazardous Waste Recovery Process *(02 60)*

02 62 16 Soil Vapor Extraction *(02 62)*

02 62 16 00-0001 Active And Passive Trench System *(02 62 16)*

02 62 16 00-0002 Vertical Leachate And Gas Collection Pipe Well *(02 62 16 00-0001)*

Note: Includes drilling 24" diameter well, 20' non-perforated 4" pipe with 3' telescoping above grade, backfill with washed rock, lower and upper perm seal and compacted soil sections.

02 62 16 00-0003	VLF	Drill 24" Diameter LFG Well To 17" Depth	172.73
02 62 16 00-0004	VLF	For Each Additional VLF Over 17" Drill 24" Diameter LFG Well	90.76

02 62 16 00-0005 Leachate And Gas Transfer Pipe *(02 62 16 00-0001)*

02 62 16 00-0006 High-Density Polyethylene (HDPE) Pipe, Laterals *(02 62 16 00-0005)*

Note: Heat fusion connections with pipe and fittings.

02 62 16 00-0007	LF	3" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	12.18
02 62 16 00-0008	LF	4" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	14.92
02 62 16 00-0009	LF	6" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	22.72
02 62 16 00-0010	LF	8" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	36.77
02 62 16 00-0011	LF	10" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	51.65
02 62 16 00-0012	LF	12" Diameter High-Density Polyethylene (HDPE) Pipe - SDR 17 With Fittings	68.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 62 16 00-0013	EA	Monitoring And Control Assembly	2,045.33	
02 62 16 00-0014	EA	3" Diameter, Header Valve Assembly	1,125.48	
02 62 16 00-0015	EA	4" Diameter, Header Valve Assembly	1,813.57	
02 62 16 00-0016	EA	6" Diameter, Header Valve Assembly	2,688.17	
02 62 16 00-0017	EA	8" Diameter, Header Valve Assembly	4,041.86	
02 62 16 00-0018	EA	Condensate Sump Assembly	26,430.41	
02 62 16 00-0019	EA	Header Monitoring Port Assembly	1,311.96	

02 62 16 00-0020 Chemical Resistant Sump And Manhole *(02 62 16 00-0001)*

02 62 16 00-0021 High-Density Polyethylene (HDPE) Manholes *(02 62 16 00-0020)*

02 62 16 00-0022	EA	27" Diameter Concrete Filled Polyethylene Lid Stainless Steel Handle	298.53	
02 62 16 00-0023	EA	4" Diameter, 2" High Riser Section With Or Without Steps	548.44	
02 62 16 00-0024	EA	3.25" High x 4" Diameter Upper Unit With Or Without Steps	948.11	
02 62 16 00-0025	EA	4.25" High x 4" Diameter Upper Unit With Or Without Steps	1,168.40	
02 62 16 00-0026	EA	3" High x 4" Diameter Manhole Base - No Outlets	956.44	
02 62 16 00-0027	EA	12" Inlet/Outlet - Factory Attached	384.20	
02 62 16 00-0028	EA	15" Inlet/Outlet - Factory Attached	592.50	
02 62 16 00-0029	EA	18" Inlet/Outlet - Factory Attached	655.97	
02 62 16 00-0030	EA	24" Inlet/Outlet - Factory Attached	775.61	
02 62 16 00-0031	EA	30" Inlet/Outlet - Factory Attached	884.95	
02 62 16 00-0032	EA	36" Inlet/Outlet - Factory Attached	1,038.63	
02 62 16 00-0033	EA	4" Diameter, Inlet Gasket - To Attach Leachate Transport Pipe	18.20	
02 62 16 00-0034	EA	6" Diameter, Inlet Gasket - To Attach Leachate Transport Pipe	24.29	
02 62 16 00-0035	EA	8" Diameter, Inlet Gasket - To Attach Leachate Transport Pipe	30.34	
02 62 16 00-0036	EA	10" Diameter, Inlet Gasket - To Attach Leachate Transport Pipe	45.48	
02 62 16 00-0037	EA	12" Diameter, Inlet Gasket - To Attach Leachate Transport Pipe	57.62	
02 62 16 00-0038	EA	Additional Penetrations Into Manhole	363.37	

02 62 16 00-0039 High-Density Polyethylene (HDPE) Sumps *(02 62 16 00-0020)*

02 62 16 00-0040	EA	42" Diameter Riser Sump With 30" Or 22-1/2" Diameter Neck	1,896.85	
02 62 16 00-0041	EA	2" Riser Sump Extension - 22-1/2" Or 30" Diameter	606.26	
02 62 16 00-0042	EA	48" Sump Base	609.18	
02 62 16 00-0043	EA	30" Sump Cover	397.22	
02 62 16 00-0044	EA	22" Sump Cover	351.80	
02 62 16 00-0045	EA	Riser Sump To Base Seal	351.80	
02 62 16 00-0046	EA	Riser Sump To Extension Seal	242.79	
02 62 16 00-0047	EA	2" Conduit Grommet - Box Of 6	321.22	
02 62 16 00-0048	EA	4" Conduit Grommet - Box Of 6	390.90	
02 62 16 00-0049	EA	6" Conduit Grommet - Box Of 6	607.17	

02 62 16 00-0050 Leachate And Gas Collection Pipe *(02 62 16 00-0001)*

02 62 16 00-0051 Polyvinyl Chloride (PVC), Slotted Pipe *(02 62 16 00-0050)*

Note: Number of rows of slots, slot spacing and slot width can vary to give required outside diameter intake area. Slot width and spacing varies.

02 62 16 00-0052	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 3 Rows Of Slots	5.73	
02 62 16 00-0053	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 4 Rows Of Slots	9.42	
02 62 16 00-0054	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 6 Rows Of Slots	13.97	
02 62 16 00-0055	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 6 Rows Of Slots	22.37	
02 62 16 00-0056	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 8 Rows Of Slots	33.19	
02 62 16 00-0057	LF	12" Diameter, Schedule 40 Polyvinyl Chloride (PVC), 2 To 10 Rows Of Slots	47.28	

02 62 16 00-0058 Sheet Drainage Systems *(02 62 16)*

Note: Made of 2 sets of parallel strands. Intersecting strands form two overlaid sets of continuous deep channels.

02 62 16 00-0059 Drainage Nets And Composites *(02 62 16 00-0058)*

02 62 16 00-0060 Polyethylene Drainage Nets *(02 62 16 00-0059)*

02 62 16 00-0061	SF	Drainage Net - 1/4" Thick High-Density Polyethylene (HDPE)	0.89	
02 62 16 00-0062	SF	Drainage Net With Geotextile Fabric Heat Bonded To One Side	3.16	
02 62 16 00-0063	SF	Drainage Net With Geotextile Fabric Heat Bonded To Both Sides	3.68	

02 62 16 00-0064 Gas Interception Networks *(02 62 16)*

02 62 16 00-0065 Gas Treatment *(02 62 16 00-0064)*

02 62 16 00-0066 Flares *(02 62 16 00-0065)*

Note: These are basic flare prices and exclude controls and auxiliary equipment. The basic price will be approximately 25% of the total cost of the unit complete with controls, auxiliary equipment, piping, setup, etc.

02 62 16 00-0067	EA	2.25 Million BTU/Hour Landfill Flare	74,685.89	
02 62 16 00-0068	EA	7.5 Million BTU/Hour Landfill Flare	95,194.35	
02 62 16 00-0069	EA	10.5 Million BTU/Hour Landfill Flare	124,072.76	
02 62 16 00-0070	EA	22.5 Million BTU/Hour Landfill Flare	253,149.72	
02 62 16 00-0071	EA	30 Million BTU/Hour Landfill Flare	294,101.96	
02 62 16 00-0072	EA	36 Million BTU/Hour Landfill Flare	335,003.72	

02 62 16 00-0073 Gas Scrubbers *(02 62 16 00-0064)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 62 16 00-0074		**Single Stage Gas Scrubbers** *(02 62 16 00-0073)* Note: Unit is flange to flange, carbon steel construction. Includes ecosphere packing (HDPE), mist eliminator section, internal spray nozzle, access doors and differential pressure gauge.		
02 62 16 00-0075	EA	1,500 CFM Fluidized Bed Gas Scrubber - Single Stage	60,114.78	
02 62 16 00-0076	EA	4,400 CFM Fluidized Bed Gas Scrubber - Single Stage	81,325.48	
02 62 16 00-0077	EA	5,800 CFM Fluidized Bed Gas Scrubber - Single Stage	85,808.23	
02 62 16 00-0078	EA	7,700 CFM Fluidized Bed Gas Scrubber - Single Stage	92,025.84	
02 62 16 00-0079	EA	9,600 CFM Fluidized Bed Gas Scrubber - Single Stage	99,700.03	
02 62 16 00-0080	EA	12,000 CFM Fluidized Bed Gas Scrubber - Single Stage	105,728.34	
02 62 16 00-0081	EA	17,000 CFM Fluidized Bed Gas Scrubber - Single Stage	114,155.49	
02 62 16 00-0082	EA	23,600 CFM Fluidized Bed Gas Scrubber - Single Stage	122,516.01	
02 62 16 00-0083	EA	30,200 CFM Fluidized Bed Gas Scrubber - Single Stage	130,507.47	
02 62 16 00-0084	EA	38,700 CFM Fluidized Bed Gas Scrubber - Single Stage	148,549.65	
02 62 16 00-0085	EA	47,200 CFM Fluidized Bed Gas Scrubber - Single Stage	169,676.71	
02 62 16 00-0086	EA	58,000 CFM Fluidized Bed Gas Scrubber - Single Stage	183,975.97	
02 62 16 00-0087	EA	79,700 CFM Fluidized Bed Gas Scrubber - Single Stage	210,007.38	
02 62 16 00-0088	EA	90,900 CFM Fluidized Bed Gas Scrubber - Single Stage	221,052.58	
02 62 16 00-0089	EA	113,300 CFM Fluidized Bed Gas Scrubber - Single Stage	239,149.20	
02 62 16 00-0090	EA	3,000 CFM Fluidized Bed Gas Scrubber - Single Stage	76,747.58	
02 62 16 00-0091		**Gas Collection** *(02 62 16 00-0064)*		
02 62 16 00-0092		**Vacuum Blowers** *(02 62 16 00-0091)* Note: Aluminum wheel with clean-out door, drain and plug. 60 Hertz, 230/460V, 3600 rpm, TEFC, 184T. As manufactured by New York Blower Fans.		
02 62 16 00-0093	EA	5 HP New York Blower, Pressure Blower Size 2204, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T	5,234.80	
		For Silencer Option, Add	*814.90*	
02 62 16 00-0094	EA	5 HP New York Blower, Pressure Blower Size 2206, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T	5,254.61	
		For Silencer Option, Add	*818.86*	
02 62 16 00-0095	EA	5 HP New York Blower, Pressure Blower Size 2606, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T	5,995.94	
		For Silencer Option, Add	*967.12*	
02 62 16 00-0096		**Vacuum Blowers And Compressors** *(02 62 16 00-0091)* Note: Heavy-duty rotary blowers packaged with silencer, filter, drive and motor. Unit is mounted and interconnected all on the same base.		
02 62 16 00-0097	EA	Positive Displacement Blower, 4.9 Max. HP, 48 CFM	8,766.83	
02 62 16 00-0098	EA	Positive Displacement Blower, 5.6 Max. HP, 111 CFM	9,638.70	
02 62 16 00-0099	EA	Positive Displacement Blower, 12.2 Max. HP, 143 CFM	11,121.66	
02 62 16 00-0100	EA	Positive Displacement Blower, 11.8 Max. HP, 271 CFM	11,504.06	
02 62 16 00-0101	EA	Positive Displacement Blower, 15 Max. HP, 134 CFM	10,562.34	
02 62 16 00-0102	EA	Positive Displacement Blower, 19.7 Max. HP, 278 CFM	12,476.07	
02 62 16 00-0103	EA	Positive Displacement Blower, 18.3 Max. HP, 399 CFM	13,271.66	
02 62 16 00-0104	EA	Positive Displacement Blower, 254 Max. HP, 247 CFM	15,248.99	
02 62 16 00-0105	EA	Positive Displacement Blower, 28.3 Max. HP., 427 CFM	18,925.07	
02 62 16 00-0106	EA	Positive Displacement Blower, 29 Max. HP, 665 CFM	19,291.46	
02 62 16 00-0107	EA	Positive Displacement Blower, 38.8 Max. HP, 393 CFM	21,070.03	
02 62 16 00-0108	EA	Positive Displacement Blower, 49.6 Max. HP, 615 CFM	28,101.20	
02 62 16 00-0109	EA	Positive Displacement Blower, 46.5 Max. HP, 1,248 CFM	30,799.87	
02 62 16 00-0110	EA	Positive Displacement Blower, 55 Max. HP, 574 CFM	32,138.27	
02 62 16 00-0111	EA	Positive Displacement Blower, 67.1 Max. HP, 1,071 CFM	38,501.10	
02 62 16 00-0112	EA	Positive Displacement Blower, 65.5 Max. HP, 1,878 CFM	43,972.24	
02 62 16 00-0113		**Fugitive Dust, Vapor And Gas Emissions Control** *(02 62 16)*		
02 62 16 00-0114		**Sprayed Dust Suppressants** *(02 62 16 00-0113)* Note: Overall dust suppression reflects treatment of unpaved haul roads and parking lots and similar surfaces. Overall erosion control reflects stabilizing road shoulders and slopes. Excludes water costs.		
02 62 16 00-0115	SY	Overall Dust Suppression And Erosion Control, Tree Sap Based Sprayed Dust Suppressant	3.27	
02 62 16 00-0116	SY	Erosion Control For Landfill Cap	3.58	
02 62 16 00-0117	SY	Stockpile Dust Suppression Tree Sap Based Dust Suppressant	3.58	
02 62 16 00-0118	SY	Periodic Maintenance Application Tree Sap Based Sprayed Dust Suppressant	2.97	
02 62 16 00-0119	SY	Overall Dust Suppression And Erosion Control, Chloride Based Sprayed Dust Suppressant	3.36	
02 62 16 00-0120	SY	Erosion Control For Landfill Cap Chloride Based Sprayed Dust Suppressant	4.00	
02 62 16 00-0121	SY	Stockpile Dust Suppression, Chloride Based Sprayed Dust Suppressant	3.67	
02 62 16 00-0122	SY	Periodic Maintenance Application Chloride Based Sprayed Dust Suppressant	3.03	
02 62 16 00-0123	SY	Overall Dust Suppression And Erosion Control, Oil Emulsion Sprayed Dust Suppressant	3.82	
02 62 16 00-0124	SY	Erosion Control For Landfill Cap	5.03	
02 62 16 00-0125	SY	Stockpile Dust Suppression, Oil Emulsion Sprayed Dust Suppressant	4.39	
02 62 16 00-0126	SY	Periodic Maintenance Application Oil Emulsion Sprayed Dust Suppressant	3.21	
02 62 16 00-0127	SY	Overall Dust Suppression And Erosion Control, Asphalt Emulsion Sprayed Dust Suppressant	4.20	
02 62 16 00-0128	SY	Erosion Control For Landfill Cap Asphalt Emulsion Sprayed Dust Suppressant	5.53	
02 62 16 00-0129	SY	Stockpile Dust Suppression, Asphalt Emulsion Sprayed Dust Suppressant	4.84	
02 62 16 00-0130	SY	Periodic Maintenance Application Asphalt Emulsion Sprayed Dust Suppressant	3.56	
02 62 16 00-0131	SY	Overall Dust Suppression And Erosion Control, Lignosulfonates Sprayed Dust Suppressant	3.30	
02 62 16 00-0132	SY	Erosion Control For Landfill Cap Lignosulfonates Sprayed Dust Suppressant	3.94	
02 62 16 00-0133	SY	Stockpile Dust Suppression, Lignosulfonates Sprayed Dust Suppressant	3.61	
02 62 16 00-0134	SY	Periodic Maintenance Application Lignosulfonates Sprayed Dust Suppressant	3.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 62 16 00-0135		Synthetic Covers Over Waste Piles *(02 62 16 00-0113)*		
02 62 16 00-0136		Plastic Waste Pile Covers *(02 62 16 00-0135)*		
02 62 16 00-0137	SF	Plastic Laminate Waste Pile Cover, 130 Lb. Tear Strength, 1 To 1-1/2 Year Outdoor Life Expectancy	0.36	
02 62 16 00-0138	SF	Plastic Laminate Waste Pile Cover, 185 Lb. Tear Strength, 3 To 4 Year Outdoor Life Expectancy	0.92	
02 62 16 00-0139	SF	Plastic Laminate Waste Pile Cover, 250 Lb. Tear Strength, 4 To 5 Year Outdoor Life Expectancy	1.22	
02 62 16 00-0140	LF	Add For Cover Drawstring	1.49	
02 62 16 00-0141	EA	Add For Metal Grommets Used With Tie-downs	1.55	
02 62 16 00-0142	SF	Plastic Laminate Waste Pile Cover, 135 Lb. Tear Strength, 2 To 2-1/2 Year Outdoor Life Expectancy	0.52	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0031 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001		Monitoring, Sampling, Testing And Analysis *(02 65)*		
02 65 00 00-0002		Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*		
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	20.55	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	20.55	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	20.55	
02 65 00 00-0006		Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)* Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	214.08	
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	83.25	
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	200.28	
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	214.08	
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	166.51	
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	451.95	
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	832.54	
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	100.14	
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	178.40	
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	237.87	
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	266.41	
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	35.68	
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	35.68	
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	35.68	
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	66.60	
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	380.59	
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	137.69	
02 65 00 00-0024	EA	pH, Lab Test	28.54	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	356.80	
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	214.08	
02 65 00 00-0027		Tests, Surveys And Maintenance For Underground Storage Tank *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	944.14	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	177.62	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	40.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	275.69	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	127.96	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	181.36	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	284.58	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	168.74	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	74.21	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	98.15	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	107.69	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.43	
02 65 00 00-0043		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.26	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.55	
02 65 00 00-0046		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	3.65	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	0.85	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.00	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	245.34	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	321.36	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	416.19	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	561.46	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,085.34	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,305.13	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,494.08	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,804.94	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,321.35	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,791.04	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,534.01	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,357.59	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,340.82	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	123.06	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	163.87	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	214.73	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	297.35	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	658.50	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	833.80	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	975.70	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	1,226.59	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	1,594.26	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	2,001.11	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	2,605.62	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	3,126.74	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	3,908.42	
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation.		
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	11.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	15.42	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	364.41	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	442.49	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	520.58	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	650.73	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	911.02	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,145.28	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,301.45	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,561.75	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,082.32	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,496.24	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,925.08	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,422.09	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,277.61	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' on-center height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	527.19	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	983.14	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,182.61	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,317.97	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,581.57	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,966.27	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,365.23	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,956.54	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,695.67	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,619.59	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	191.25	
		For Each Additional Mile >15 Miles, Add		*2.82*
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	260.20	
		For Each Additional Mile >15 Miles, Add		*3.56*
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	409.95	
		For Each Additional Mile >15 Miles, Add		*5.34*
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	642.05	
		For Each Additional Mile >15 Miles, Add		*6.22*
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,133.10	
		For Each Additional Mile >15 Miles, Add		*10.97*
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,168.67	
		For Each Additional Mile >15 Miles, Add		*11.86*
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,227.96	
		For Each Additional Mile >15 Miles, Add		*13.34*
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,785.77	
		For Each Additional Mile >15 Miles, Add		*17.79*
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,442.81	
		For Each Additional Mile >15 Miles, Add		*26.68*
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,862.73	
		For Each Additional Mile >15 Miles, Add		*29.64*
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,545.32	
		For Each Additional Mile >15 Miles, Add		*35.57*
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,982.86	
		For Each Additional Mile >15 Miles, Add		*42.68*
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	6,025.09	
		For Each Additional Mile >15 Miles, Add		*49.09*

02 65 00 00-0123 Other Storage Tank Removals *(02 65 00 00-0080)*

Note: Based on tank gallon size

02 65 00 00-0124	GAL	Removal Of Cement Lining	0.33	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.11	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.94	

02 65 00 00-0127 Tank Closure Report *(02 65 00 00-0080)*

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	2,739.92	

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,979.69	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,484.77	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,464.47	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,474.62	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,532.07	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,629.70	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	11,195.86	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,144.67	

02 66 Landfill Construction and Storage *(02 60)*

02 66 13 Landfill Excavation *(02 66)*

02 66 13 00-0001 Excavate, Haul And Place Soil *(02 66 13)*

02 66 13 00-0002	CY	Excavate, Haul And Place Soil At Landfill	2.22	
		For >50,000 To 100,000, Deduct	*-0.07*	
		For >100,000 To 200,000, Deduct	*-0.13*	
		For >200,000 To 500,000, Deduct	*-0.20*	
		For >500,000 To 1,000,000, Deduct	*-0.27*	
		For >1,000,000, Deduct	*-0.33*	

02 66 13 00-0003 Compaction *(02 66 13)*

02 66 13 00-0004	CY	Compaction In Landfill	0.29	
		For >50,000 To 100,000, Deduct	*-0.01*	
		For >100,000 To 200,000, Deduct	*-0.02*	
		For >200,000 To 500,000, Deduct	*-0.03*	
		For >500,000 To 1,000,000, Deduct	*-0.03*	
		For >1,000,000, Deduct	*-0.04*	

02 66 23 Secure Landfill Construction *(02 66)*

02 66 23 00-0001 Secure Burial Cell Construction *(02 66 23)*

02 66 23 00-0002 Polymeric Liner And Cover System *(02 66 23 00-0001)*

02 66 23 00-0003 Very Low Density Polyethylene Liner *(02 66 23 00-0002)*

02 66 23 00-0004	SF	20 Mil Very Low Density Polyethylene Liner	1.80	
02 66 23 00-0005	SF	30 Mil Very Low Density Polyethylene Liner	2.48	
02 66 23 00-0006	SF	40 Mil Very Low Density Polyethylene Liner	2.78	
02 66 23 00-0007	SF	50 Mil Very Low Density Polyethylene Liner	3.37	
02 66 23 00-0008	SF	60 Mil Very Low Density Polyethylene Liner	4.07	
02 66 23 00-0009	SF	70 Mil Very Low Density Polyethylene Liner	4.40	
02 66 23 00-0010	SF	80 Mil Very Low Density Polyethylene Liner	5.03	
02 66 23 00-0011	SF	90 Mil Very Low Density Polyethylene Liner	5.58	
02 66 23 00-0012	SF	100 Mil Very Low Density Polyethylene Liner	7.13	

02 66 23 00-0013 Chlorosulfonated Polyethylene (CSPE) Liner *(02 66 23 00-0002)*

02 66 23 00-0014	SF	36 Mil Chlorosulfonated Polyethylene (CSPE) Liner	3.84	
02 66 23 00-0015	SF	45 Mil Chlorosulfonated Polyethylene (CSPE) Liner	4.03	

02 66 23 00-0016 Polyvinyl Chloride (PVC) Liner *(02 66 23 00-0002)*

02 66 23 00-0017	SF	20 Mil Polyvinyl Chloride Liner	0.66	
02 66 23 00-0018	SF	30 Mil Polyvinyl Chloride Liner	1.00	
02 66 23 00-0019	SF	40 Mil Polyvinyl Chloride Liner	1.27	
02 66 23 00-0020	SF	50 Mil Polyvinyl Chloride Liner	1.57	
02 66 23 00-0021	SF	60 Mil Polyvinyl Chloride Liner	1.92	
02 66 23 00-0022	SF	70 Mil Polyvinyl Chloride Liner	2.25	
02 66 23 00-0023	SF	80 Mil Polyvinyl Chloride Liner	2.55	
02 66 23 00-0024	SF	90 Mil Polyvinyl Chloride Liner	2.83	
02 66 23 00-0025	SF	100 Mil Polyvinyl Chloride Liner	3.20	

02 66 23 00-0026 Rough Textured High-Density Polyethylene (HDPE) Liner *(02 66 23 00-0002)*
Note: Greatly increases slope stability.

02 66 23 00-0027	SF	40 Mil High-Density Polyethylene (HDPE) Liner	2.91	
02 66 23 00-0028	SF	60 Mil High-Density Polyethylene (HDPE) Liner	3.98	
02 66 23 00-0029	SF	80 Mil High-Density Polyethylene (HDPE) Liner	5.04	

02 66 23 00-0030 Soil And Admixed Liner And Cover *(02 66 23 00-0001)*

02 66 23 00-0031 Soil/Bentonite Liners *(02 66 23 00-0030)*
Note: Low contaminant resistant is for caps. Medium resists 10,000 PPM salts. High resists salts to 100,000 PPM.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 23 00-0032	TON	High Efficiency/Low Contaminant Resistant Bentonite	604.10	
02 66 23 00-0033	TON	High Contaminant Resistant Bentonite Resists Salts Up To 100,000 PPM	836.99	
02 66 23 00-0034	TON	Contaminant Resistant Bentonite Tank Farm Liners - (Chemical Storage)	856.00	
02 66 23 00-0035	TON	90 BBL Yield Bentonite No Contamination Resistance	475.56	
02 66 23 00-0036	TON	125 BBL Yield Bentonite No Contamination Resistance	507.26	
02 66 23 00-0037	TON	180 BBL Yield Bentonite No Contamination Resistance	589.69	
02 66 23 00-0038	SF	Liner/Cap Installed - Cost Per 6 Lift - 4 Lb./SF Bentonite	2.12	
02 66 23 00-0039	TON	High Efficiency/Medium Contaminant Resistant Bentonite	735.82	

02 66 23 00-0040 Geocomposite Lining Systems *(02 66 23 00-0001)*

02 66 23 00-0041 Polypropylene/Bentonite Sandwich Sheets *(02 66 23 00-0040)*

02 66 23 00-0042	SF	1/4" Thick Geocomposite Installed On Soil Or Aggregate Base	2.29	
02 66 23 00-0043	SF	1/4" Thick Geocomposite Installed On Polymeric Base	2.86	

02 66 23 00-0044 Liner And Dike Support *(02 66 23 00-0001)*

02 66 23 00-0045 Geogrid *(02 66 23 00-0044)*

Note: Composite grip layer matting is used to hold topsoil with low cohesive strength over flexible liners.

02 66 23 00-0046	SF	Biaxial, 9.8' x 164' Rolls Tensile Modulus = 14,000 Lb./SF	0.46	
02 66 23 00-0047	SF	Biaxial, 13.1' x 164' Rolls Tensile Modulus = 14,000 Lb./SF	0.45	
02 66 23 00-0048	SF	Biaxial, 9.8' x 164' Rolls Tensile Modulus = 18,500 Lb./SF	0.70	
02 66 23 00-0049	SF	Biaxial, 13.1' x 164' Rolls Tensile Modulus = 18,500 Lb./SF	0.68	
02 66 23 00-0050	SF	Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 50,000 Lb./SF	1.34	
02 66 23 00-0051	SF	Uniaxial, 3.3' x 98' Rolls Tensile Modulus = 100,000 Lb./SF	2.22	
02 66 23 00-0052	SF	Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 100,000 Lb./SF	2.23	
02 66 23 00-0053	SF	Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 130,000 Lb./SF	2.63	
02 66 23 00-0054	SF	Composite Grip Layer Mat - Nylon Geomatrix/Polyvinyl Chloride (PVC) Coated Polyester	3.98	

02 66 23 00-0055 Slurry Wall Installation *(02 66 23)*

02 66 23 00-0056	CY	Level And Compact Working Surface	7.35	
02 66 23 00-0057	CY	Construct Dike For Mixing Basin	7.35	
02 66 23 00-0058	CY	Normal Soil, 26" - 75" Slurry Wall Excavation	7.21	
02 66 23 00-0059	CY	Clay/Sand With Boulders, 26" - 75" Slurry Wall Excavation	10.71	
02 66 23 00-0060	CY	Normal Soil, 76" - 120" Slurry Wall Excavation	10.38	
02 66 23 00-0061	CWT	Clay/Sand With Boulders, 76" - 120" Slurry Wall Excavation	15.49	
02 66 23 00-0062	GAL	Slurry Mixing, Hydration, And Placement, Per Gallon	0.08	
02 66 23 00-0063	CY	Soil, Bentonite Backfill Mixing	3.65	
02 66 23 00-0064	CY	Backfill Slurry Wall Trench	3.32	
02 66 23 00-0065	SF	Cleanup And Re-Grade Working Surface	0.10	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	695.06	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	109.22	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	496.48	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	893.66	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	119.20	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0031 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	74.64	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	64.66	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	75.81	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	120.41	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	251.97	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	51.29	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	62.43	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	84.73	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	64.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	75.81	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	120.41	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	238.59	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	332.24	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.25	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.79	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.10	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.12	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	7.55	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	8.73	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	947.96	
		For Work In Restricted Working Space, Add	*281.00*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.49	
		For Work In Restricted Working Space, Add	*9.58*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.51	
		For Work In Restricted Working Space, Add	*7.19*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.52	
		For Work In Restricted Working Space, Add	*5.39*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.03	
		For Work In Restricted Working Space, Add	*4.04*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	12.27	
		For Work In Restricted Working Space, Add	*3.51*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	959.24	
		For Work In Restricted Working Space, Add	*281.00*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	37.85	
		For Work In Restricted Working Space, Add	*11.02*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.67	
		For Work In Restricted Working Space, Add	*8.26*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	21.78	
		For Work In Restricted Working Space, Add	*6.20*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.62	
		For Work In Restricted Working Space, Add	*4.65*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.60	
		For Work In Restricted Working Space, Add	*4.04*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	970.53	
		For Work In Restricted Working Space, Add	*281.00*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.47	
		For Work In Restricted Working Space, Add	*14.69*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.22	
		For Work In Restricted Working Space, Add	*11.02*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.04	
		For Work In Restricted Working Space, Add	*8.26*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.14	
		For Work In Restricted Working Space, Add	*6.19*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.46	
		For Work In Restricted Working Space, Add	*5.39*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	981.81	
		For Work In Restricted Working Space, Add	*281.00*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	69.40	
		For Work In Restricted Working Space, Add	*20.20*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	52.56	
		For Work In Restricted Working Space, Add	*15.15*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.94	
		For Work In Restricted Working Space, Add	*11.36*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.46	
		For Work In Restricted Working Space, Add	*8.52*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.76	
		For Work In Restricted Working Space, Add	*7.41*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	600.55	
		For Work In Restricted Working Space, Add	*179.15*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	100.66	
		For Work In Restricted Working Space, Add	*29.86*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	39.77	
		For Work In Restricted Working Space, Add	*11.59*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	30.10	
		For Work In Restricted Working Space, Add	*8.69*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	22.86	
		For Work In Restricted Working Space, Add	*6.52*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	942.32
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	38.72
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	31.94
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	25.65
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	20.93

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	939.50
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	34.09
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	27.31
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	21.01
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	16.29

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	938.56
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	30.25
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.46
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.16
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	12.45

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	943.73
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	32.21
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.43
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.14
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	14.43

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0064	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	943.73
02 82 33 00-0065	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	38.60
02 82 33 00-0066	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	29.00
02 82 33 00-0067	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.83
02 82 33 00-0068	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	16.44

02 82 33 00-0069 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0070	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	941.38
02 82 33 00-0071	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.19
02 82 33 00-0072	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.29
02 82 33 00-0073	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0074	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	6.83	

02 82 33 00-0075 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0076	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	946.08	
		For Additional Layer, Add	*257.59*	
02 82 33 00-0077	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.48	
		For Additional Layer, Add	*3.38*	
02 82 33 00-0078	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.16	
		For Additional Layer, Add	*2.47*	
02 82 33 00-0079	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.22	
		For Additional Layer, Add	*1.93*	
02 82 33 00-0080	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.66	
		For Additional Layer, Add	*1.50*	
02 82 33 00-0081	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.48	
		For Additional Layer, Add	*1.18*	
02 82 33 00-0082	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	3.63	
		For Additional Layer, Add	*0.95*	

02 82 33 00-0083 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0084	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	941.38
02 82 33 00-0085	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	23.53
02 82 33 00-0086	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.28
02 82 33 00-0087	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.54
02 82 33 00-0088	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.57
02 82 33 00-0089	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	7.60

02 82 33 00-0090 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0091	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	946.08
02 82 33 00-0092	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	20.56
02 82 33 00-0093	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	15.44
02 82 33 00-0094	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	11.65
02 82 33 00-0095	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	8.78

02 82 33 00-0096 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0097	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	946.08
02 82 33 00-0098	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	10.59
02 82 33 00-0099	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.19
02 82 33 00-0100	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.05
02 82 33 00-0101	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.57

02 82 33 00-0102 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0103	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	944.20
02 82 33 00-0104	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	13.46
02 82 33 00-0105	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	6.58
02 82 33 00-0106	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	4.50
02 82 33 00-0107	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	3.86

02 82 33 00-0108 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0109 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0108)*

02 82 33 00-0110 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0109)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0111	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	938.56	
		For Each Additional Layer, Add	*140.78*	
02 82 33 00-0112	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	6.58	
		For Each Additional Layer, Add	*0.99*	
02 82 33 00-0113	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.39	
		For Each Additional Layer, Add	*0.81*	
02 82 33 00-0114	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.28	
		For Each Additional Layer, Add	*0.64*	
02 82 33 00-0115	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	2.96	
		For Each Additional Layer, Add	*0.44*	

02 82 33 00-0116 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0109)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0117	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	938.56	
		For Each Additional Layer, Add	*140.78*	
02 82 33 00-0118	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.58	
		For Each Additional Layer, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0119	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.40	
		For Each Additional Layer, Add	*0.81*	
02 82 33 00-0120	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	4.90	
		For Each Additional Layer, Add	*0.74*	
02 82 33 00-0121	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	3.96	
		For Each Additional Layer, Add	*0.59*	

02 82 33 00-0122 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0109)*

02 82 33 00-0123	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	938.56	
02 82 33 00-0124	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.09	
02 82 33 00-0125	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.12	
02 82 33 00-0126	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.00	
02 82 33 00-0127	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	2.28	

02 82 33 00-0128 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0109)*

Note: Up to 12".

02 82 33 00-0129	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	314.57	
02 82 33 00-0130	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	4.25	
02 82 33 00-0131	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.59	
02 82 33 00-0132	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.65	
02 82 33 00-0133	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.18	

02 82 33 00-0134 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0108)*

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

02 82 33 00-0135	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	941.38	
02 82 33 00-0136	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.39	
02 82 33 00-0137	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.76	
02 82 33 00-0138	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.37	
02 82 33 00-0139	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.11	

02 82 33 00-0140 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0108)*

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

02 82 33 00-0141	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	955.49	
02 82 33 00-0142	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.57	
02 82 33 00-0143	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.57	
02 82 33 00-0144	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.40	
02 82 33 00-0145	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.47	

02 82 33 00-0146 Mastic Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0108)*

Note: Includes removal of all anchors.

02 82 33 00-0147	SF	Mastic-Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal Note: Includes removal of all anchors.	3.38	

02 82 33 00-0148 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0108)*

02 82 33 00-0149	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	946.08	
02 82 33 00-0150	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	8.44	
02 82 33 00-0151	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	5.56	
02 82 33 00-0152	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.38	
02 82 33 00-0153	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	3.60	

02 82 33 00-0154 Roofing, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0155 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)*

Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.

02 82 33 00-0156 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*

02 82 33 00-0157	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	960.19	
02 82 33 00-0158	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0159	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.98	
02 82 33 00-0160	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.02	
02 82 33 00-0161	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.06	
02 82 33 00-0162	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.34	
02 82 33 00-0163		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	978.05	
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.20	
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.82	
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.76	
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.66	
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.84	
02 82 33 00-0170		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	998.73	
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.14	
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.60	
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.42	
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.21	
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.29	
02 82 33 00-0177		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0178		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0177)*		
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	942.56	
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.03	
		For Each Additional Layer, Add	*1.21*	
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.84	
		For Each Additional Layer, Add	*0.97*	
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.88	
		For Each Additional Layer, Add	*0.78*	
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.92	
		For Each Additional Layer, Add	*0.58*	
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.20	
		For Each Additional Layer, Add	*0.44*	
02 82 33 00-0185		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	312.69	
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.40	
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.97	
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.60	
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.17	
02 82 33 00-0191		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0192		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0191)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0193	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	946.08	
02 82 33 00-0194	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.48	
02 82 33 00-0195	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.29	
02 82 33 00-0196	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.64	
02 82 33 00-0197	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.31	
02 82 33 00-0198		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0191)*		
02 82 33 00-0199	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	946.08	
02 82 33 00-0200	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	5.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0201	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.93	
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.36	
02 82 33 00-0203	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.07	
02 82 33 00-0204		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0191)*		
02 82 33 00-0205	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	791.85	
02 82 33 00-0206	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.06	
02 82 33 00-0207	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.08	
02 82 33 00-0208	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.09	
02 82 33 00-0209	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.60	
02 82 33 00-0210	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	11.24	
02 82 33 00-0211	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	11.00	
02 82 33 00-0212		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0191)*		
02 82 33 00-0213	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	952.62	
02 82 33 00-0214	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.08	
02 82 33 00-0215	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.09	
02 82 33 00-0216	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.29	
02 82 33 00-0217	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.48	
02 82 33 00-0218	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.89	
02 82 33 00-0219		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0220		Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal *(02 82 33 00-0219)* Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0221	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	469.28	
02 82 33 00-0222	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.85	
02 82 33 00-0223	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.56	
02 82 33 00-0224	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.45	
02 82 33 00-0225	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.40	
02 82 33 00-0226		Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal *(02 82 33 00-0219)*		
02 82 33 00-0227	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	628.22	
02 82 33 00-0228	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	15.99	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0229	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	10.91	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0230	SF	>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	8.19	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0231	SF	>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	6.62	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0232	SF	>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	5.85	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0233	SF	>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	5.06	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0234	SET	Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	787.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0235	SF	>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	31.68	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0236	SF	>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	21.36	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0237	SF	>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	16.20	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0238	SF	>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	13.08	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0239	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	11.22	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0240	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	10.16	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0241	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	947.96	
02 82 33 00-0242	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	63.22	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0243	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	42.52	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0244	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	32.22	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0245	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	25.96	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0246	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	22.24	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0247	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic Or Crawl Spaces, Asbestos Abatement And Disposal	20.12	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0248		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0219)*		
02 82 33 00-0249	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	635.74	
		For Work In Restricted Working Space, Add	*187.34*	
02 82 33 00-0250	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	63.22	
		For Work In Restricted Working Space, Add	*18.63*	
02 82 33 00-0251	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	42.52	
		For Work In Restricted Working Space, Add	*12.42*	
02 82 33 00-0252	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	32.22	
		For Work In Restricted Working Space, Add	*9.33*	
02 82 33 00-0253	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	25.96	
		For Work In Restricted Working Space, Add	*7.45*	
02 82 33 00-0254	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	22.24	
		For Work In Restricted Working Space, Add	*6.33*	
02 82 33 00-0255	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	20.12	
		For Work In Restricted Working Space, Add	*5.70*	
02 82 33 00-0256		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0257		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
02 82 33 00-0258	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	317.30	
02 82 33 00-0259	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	117.48	
02 82 33 00-0260	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	106.24	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0261			**HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
02 82 33 00-0262		SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	312.45	
02 82 33 00-0263		LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.41	
02 82 33 00-0264		LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.81	
02 82 33 00-0265		LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.14	
02 82 33 00-0266		LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.57	
02 82 33 00-0267		LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.05	
02 82 33 00-0268		LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.64	
02 82 33 00-0269			**Grout, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
			Note: e.g. flue grout.		
02 82 33 00-0270		SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	312.38	
02 82 33 00-0271		LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	12.31	
02 82 33 00-0272		LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	8.48	
02 82 33 00-0273		LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	7.27	
02 82 33 00-0274		LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	6.24	
02 82 33 00-0275		LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	5.38	
02 82 33 00-0276		LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	4.62	
02 82 33 00-0277			**Gaskets, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
			Note: e.g. rope, web cloth, flat.		
02 82 33 00-0278		SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	312.45	
02 82 33 00-0279		LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	16.58	
02 82 33 00-0280		LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	12.44	
02 82 33 00-0281		LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	10.60	
02 82 33 00-0282		LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	9.54	
02 82 33 00-0283		LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	8.58	
02 82 33 00-0284		LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	8.16	
02 82 33 00-0285			**Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
			Note: e.g. grid, spline, or glued on.		
02 82 33 00-0286		SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal	629.16	
			Note: Including Glue Removal		
02 82 33 00-0287		SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	13.36	
			Note: Including Glue Removal		
02 82 33 00-0288		SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal	6.48	
			Note: Including Glue Removal		
02 82 33 00-0289		SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	4.40	
			Note: Including Glue Removal		
02 82 33 00-0290		SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	3.76	
			Note: Including Glue Removal		
02 82 33 00-0291			**Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
			Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0292		SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	627.00	
02 82 33 00-0293		SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	13.36	
02 82 33 00-0294		SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.48	
02 82 33 00-0295		SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.40	
02 82 33 00-0296		SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.76	
02 82 33 00-0297			**Caulking, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
02 82 33 00-0298			**Non-Friable Caulking, Asbestos Abatement And Disposal** *(02 82 33 00-0297)*		
02 82 33 00-0299		SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	312.38	
02 82 33 00-0300		LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	9.23	
02 82 33 00-0301		LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.51	
02 82 33 00-0302		LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.86	
02 82 33 00-0303		LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.64	
02 82 33 00-0304		LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	2.89	
02 82 33 00-0305		LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	2.51	
02 82 33 00-0306			**Wood Wall Joint Compound, Asbestos Abatement And Disposal** *(02 82 33 00-0256)*		
02 82 33 00-0307		SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	624.93	
02 82 33 00-0308		SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	12.34	
02 82 33 00-0309		SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	9.02	
02 82 33 00-0310		SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	7.08	
02 82 33 00-0311		SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	5.52	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0312		Asbestos Contaminated Paint, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0313	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	390.75	
02 82 33 00-0314	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	38.37	
02 82 33 00-0315	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	28.77	
02 82 33 00-0316	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	21.60	
02 82 33 00-0317	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	16.21	
02 82 33 00-0318		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
02 82 33 00-0319		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0318)*		
02 82 33 00-0320	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	312.38	
02 82 33 00-0321	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.48	
02 82 33 00-0322	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.45	
02 82 33 00-0323	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.83	
02 82 33 00-0324	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.37	
02 82 33 00-0325	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.10	
02 82 33 00-0326	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	0.96	
02 82 33 00-0327		Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
02 82 33 00-0328	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	312.38	
02 82 33 00-0329	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	12.31	
02 82 33 00-0330	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	8.48	
02 82 33 00-0331	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	7.27	
02 82 33 00-0332	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	6.24	
02 82 33 00-0333	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	5.38	
02 82 33 00-0334		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
02 82 33 00-0335	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	646.12	
02 82 33 00-0336	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	61.30	
02 82 33 00-0337	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	42.68	
02 82 33 00-0338	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.41	
02 82 33 00-0339	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	27.78	
02 82 33 00-0340	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	24.41	
02 82 33 00-0341	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	22.51	
02 82 33 00-0342		HEPA Vacuum, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
		Note: For adjacent areas.		
02 82 33 00-0343	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.47	
02 82 33 00-0344		Bearing Pads, Asbestos Abatement And Disposal *(02 82 33 00-0256)*		
02 82 33 00-0345	SET	Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal	312.69	
02 82 33 00-0346	EA	>10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal	20.74	
02 82 33 00-0347	EA	>20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal	13.32	
02 82 33 00-0348	EA	>35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal	11.95	
02 82 33 00-0349	EA	>50 EA, Bearing Pads, Asbestos Abatement And Disposal	10.75	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0031 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0031 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0001		Lead Sampling And Testing *(02 83 19 13)*		
		Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	55.87	
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing	76.86	
		Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	73.58	
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	111.49	
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	156.09	
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.99	
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	44.60	
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	55.74	
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	73.58	
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	111.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	12.26	
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.72	
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	24.53	
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	12.26	
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.72	
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	24.53	
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	44.60	
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	66.89	
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	89.19	
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	46.12	
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	92.24	

02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)*

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0024	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	21.94	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.18*	
02 83 19 13-0025	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	32.29	
		For 0.025" (25 mil) Application, Add	*1.86*	
		For 0.03" (30 mil) Application, Add	*2.95*	
02 83 19 13-0026	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	9.52	
		For 0.025" (25 mil) Application, Add	*0.63*	
		For 0.03" (30 mil) Application, Add	*1.03*	
		For 0.125" (125 mil) Application, Add	*6.88*	
02 83 19 13-0027	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	19.10	
		For 0.025" (25 mil) Application, Add	*1.11*	
		For 0.03" (30 mil) Application, Add	*1.75*	
		For 0.125" (125 mil) Application, Add	*9.28*	
02 83 19 13-0028	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	10.52	
		For 0.025" (25 mil) Application, Add	*0.78*	
		For 0.03" (30 mil) Application, Add	*1.32*	
02 83 19 13-0029	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	28.84	
		For 0.025" (25 mil) Application, Add	*1.69*	
		For 0.03" (30 mil) Application, Add	*2.69*	
02 83 19 13-0030	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	6.59	
		For 0.025" (25 mil) Application, Add	*0.53*	
		For 0.03" (30 mil) Application, Add	*0.92*	
		For 0.125" (125 mil) Application, Add	*7.65*	
02 83 19 13-0031	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	18.33	
		For 0.025" (25 mil) Application, Add	*1.12*	
		For 0.03" (30 mil) Application, Add	*1.80*	
02 83 19 13-0032	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	23.23	
		For 0.025" (25 mil) Application, Add	*1.36*	
		For 0.03" (30 mil) Application, Add	*2.17*	
02 83 19 13-0033	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	8.93	
		For 0.025" (25 mil) Application, Add	*0.65*	
		For 0.03" (30 mil) Application, Add	*1.09*	
02 83 19 13-0034	SF	Columns, Chemical Stripping Of Lead Contaminated Material	8.70	
		For 0.025" (25 mil) Application, Add	*0.69*	
		For 0.03" (30 mil) Application, Add	*1.18*	
		For 0.125" (125 mil) Application, Add	*9.68*	
02 83 19 13-0035	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	7.62	
		For 0.025" (25 mil) Application, Add	*0.58*	
		For 0.03" (30 mil) Application, Add	*1.00*	
02 83 19 13-0036	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	9.27	
		For 0.025" (25 mil) Application, Add	*0.66*	
		For 0.03" (30 mil) Application, Add	*1.12*	
02 83 19 13-0037	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	13.56	
		For 0.025" (25 mil) Application, Add	*0.93*	
		For 0.03" (30 mil) Application, Add	*1.55*	
02 83 19 13-0038	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	38.10	
		For 0.025" (25 mil) Application, Add	*2.31*	
		For 0.03" (30 mil) Application, Add	*3.71*	
02 83 19 13-0039	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	9.66	
		For 0.025" (25 mil) Application, Add	*0.68*	
		For 0.03" (30 mil) Application, Add	*1.15*	
02 83 19 13-0040	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	5.50	
		For 0.025" (25 mil) Application, Add	*0.48*	
		For 0.03" (30 mil) Application, Add	*0.84*	
02 83 19 13-0041	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	19.56	
		For 0.025" (25 mil) Application, Add	*1.18*	
		For 0.03" (30 mil) Application, Add	*1.89*	
02 83 19 13-0042	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	23.23	
		For 0.025" (25 mil) Application, Add	*1.36*	
		For 0.03" (30 mil) Application, Add	*2.17*	
02 83 19 13-0043	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	12.62	
		For 0.025" (25 mil) Application, Add	*0.93*	
		For 0.03" (30 mil) Application, Add	*1.58*	
02 83 19 13-0044	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	15.40	
		For 0.025" (25 mil) Application, Add	*1.07*	
		For 0.03" (30 mil) Application, Add	*1.79*	
		For 0.125" (125 mil) Application, Add	*12.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0045	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	4.44	
		For 0.025" (25 mil) Application, Add	*0.37*	
		For 0.03" (30 mil) Application, Add	*0.65*	
		For 0.125" (125 mil) Application, Add	*5.61*	
02 83 19 13-0046	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.93	
		For 0.025" (25 mil) Application, Add	*0.50*	
		For 0.03" (30 mil) Application, Add	*0.84*	
		For 0.125" (125 mil) Application, Add	*6.23*	
02 83 19 13-0047	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	12.37	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.46*	
		For 0.125" (125 mil) Application, Add	*10.59*	
02 83 19 13-0048	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	16.86	
		For 0.025" (25 mil) Application, Add	*1.14*	
		For 0.03" (30 mil) Application, Add	*1.90*	
		For 0.125" (125 mil) Application, Add	*13.22*	
02 83 19 13-0049	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	30.05	
		For 0.025" (25 mil) Application, Add	*1.95*	
		For 0.03" (30 mil) Application, Add	*3.21*	
		For 0.125" (125 mil) Application, Add	*21.01*	
02 83 19 13-0050	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	8.92	
		For 0.025" (25 mil) Application, Add	*0.55*	
		For 0.03" (30 mil) Application, Add	*0.90*	
		For 0.125" (125 mil) Application, Add	*5.47*	
02 83 19 13-0051	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	175.93	
		For 0.025" (25 mil) Application, Add	*10.25*	
		For 0.03" (30 mil) Application, Add	*16.28*	
02 83 19 13-0052	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	13.30	
		For 0.025" (25 mil) Application, Add	*1.23*	
		For 0.03" (30 mil) Application, Add	*2.20*	
02 83 19 13-0053	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	14.44	
		For 0.025" (25 mil) Application, Add	*1.29*	
		For 0.03" (30 mil) Application, Add	*2.28*	
02 83 19 13-0054	SF	Siding, Chemical Stripping Of Lead Contaminated Material	7.43	
		For 0.025" (25 mil) Application, Add	*0.62*	
		For 0.03" (30 mil) Application, Add	*1.09*	
		For 0.125" (125 mil) Application, Add	*9.36*	
02 83 19 13-0055	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	14.90	
		For 0.025" (25 mil) Application, Add	*0.95*	
		For 0.03" (30 mil) Application, Add	*1.54*	
		For 0.125" (125 mil) Application, Add	*9.73*	
02 83 19 13-0056	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	7.08	
		For 0.025" (25 mil) Application, Add	*0.55*	
		For 0.03" (30 mil) Application, Add	*0.96*	
		For 0.125" (125 mil) Application, Add	*7.77*	
02 83 19 13-0057	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	7.99	
		For 0.025" (25 mil) Application, Add	*0.60*	
		For 0.03" (30 mil) Application, Add	*1.02*	
		For 0.125" (125 mil) Application, Add	*8.00*	
02 83 19 13-0058	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	7.97	
		For 0.025" (25 mil) Application, Add	*0.60*	
		For 0.03" (30 mil) Application, Add	*1.02*	
		For 0.125" (125 mil) Application, Add	*7.99*	
02 83 19 13-0059	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	11.10	
		For 0.025" (25 mil) Application, Add	*0.76*	
		For 0.03" (30 mil) Application, Add	*1.26*	
		For 0.125" (125 mil) Application, Add	*8.78*	
02 83 19 13-0060	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	7.97	
		For 0.025" (25 mil) Application, Add	*0.60*	
		For 0.03" (30 mil) Application, Add	*1.02*	
		For 0.125" (125 mil) Application, Add	*7.99*	
02 83 19 13-0061	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	17.80	
		For 0.025" (25 mil) Application, Add	*1.09*	
		For 0.03" (30 mil) Application, Add	*1.76*	
02 83 19 13-0062	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	19.44	
		For 0.025" (25 mil) Application, Add	*1.17*	
		For 0.03" (30 mil) Application, Add	*1.88*	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	20.55	
		For 0.025" (25 mil) Application, Add	*1.23*	
		For 0.03" (30 mil) Application, Add	*1.97*	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	21.67	
		For 0.025" (25 mil) Application, Add	*1.28*	
		For 0.03" (30 mil) Application, Add	*2.05*	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	22.77	
		For 0.025" (25 mil) Application, Add	*1.34*	
		For 0.03" (30 mil) Application, Add	*2.13*	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	23.93	
		For 0.025" (25 mil) Application, Add	*1.40*	
		For 0.03" (30 mil) Application, Add	*2.22*	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	25.01	
		For 0.025" (25 mil) Application, Add	*1.45*	
		For 0.03" (30 mil) Application, Add	*2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	25.56	
		For 0.025" (25 mil) Application, Add	*1.48*	
		For 0.03" (30 mil) Application, Add	*2.34*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	26.13	
		For 0.025" (25 mil) Application, Add	*1.51*	
		For 0.03" (30 mil) Application, Add	*2.38*	
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	26.67	
		For 0.025" (25 mil) Application, Add	*1.53*	
		For 0.03" (30 mil) Application, Add	*2.43*	
02 83 19 13-0071	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	35.53	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.51*	
		For 0.125" (125 mil) Application, Add	*20.88*	
02 83 19 13-0072	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	6.34	
		For 0.025" (25 mil) Application, Add	*0.47*	
		For 0.03" (30 mil) Application, Add	*0.79*	
		For 0.125" (125 mil) Application, Add	*6.09*	
02 83 19 13-0073	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	18.27	
		For 0.025" (25 mil) Application, Add	*1.21*	
		For 0.03" (30 mil) Application, Add	*2.01*	
		For 0.125" (125 mil) Application, Add	*13.57*	
02 83 19 13-0074	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	19.81	
		For 0.025" (25 mil) Application, Add	*1.24*	
		For 0.03" (30 mil) Application, Add	*2.02*	
		For 0.125" (125 mil) Application, Add	*12.45*	

02 83 19 13-0075 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0076	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	1.52
02 83 19 13-0077	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	4.47
02 83 19 13-0078	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	3.21
02 83 19 13-0079	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	2.51
02 83 19 13-0080	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	1.95
02 83 19 13-0081	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	13.96
02 83 19 13-0082	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	9.93
02 83 19 13-0083	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	7.45
02 83 19 13-0084	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	5.59
02 83 19 13-0085	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	0.88
02 83 19 13-0086	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.57
02 83 19 13-0087	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	0.88
02 83 19 13-0088	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	42.55
02 83 19 13-0089	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	56.44
02 83 19 13-0090	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	6.30
02 83 19 13-0091	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	3.53
02 83 19 13-0092	SF	Demolish Brick, Lead Contaminated Material	2.65
02 83 19 13-0093	SF	Demolish Concrete Block, Lead Contaminated Material	3.42
02 83 19 13-0094	SF	Demolish Tile, Lead Contaminated Material	2.58
02 83 19 13-0095	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	3.87
02 83 19 13-0096	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.08
02 83 19 13-0097	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.12
02 83 19 13-0098	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	4.41
02 83 19 13-0099	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.15
02 83 19 13-0100	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.43
02 83 19 13-0101	LF	Demolish Base Shoe Molding, Lead Contaminated Material	0.94
02 83 19 13-0102	SF	Demolish Concrete, Lead Contaminated Material	8.78
02 83 19 13-0103	LF	Demolish Cabinets, Lead Contaminated Material	20.44
02 83 19 13-0104	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.15
02 83 19 13-0105	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	11.32
02 83 19 13-0106	SF	Demolish Cornice, Lead Contaminated Material	1.51
02 83 19 13-0107	EA	Demolish Doors, Lead Contaminated Material	44.35
02 83 19 13-0108	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	1.35
02 83 19 13-0109	EA	Demolish Electrical Devices, Lead Contaminated Material	13.61
02 83 19 13-0110	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	1.75
02 83 19 13-0111	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	2.90
02 83 19 13-0112	SF	Demolish Wood Floors, Lead Contaminated Material	2.09
02 83 19 13-0113	SF	Demolish Grilles, Lead Contaminated Material	2.46
02 83 19 13-0114	EA	Demolish Hinges, Lead Contaminated Material	4.95
02 83 19 13-0115	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	10.63
02 83 19 13-0116	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	4.36
02 83 19 13-0117	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	6.36
02 83 19 13-0118	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	9.61
02 83 19 13-0119	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	17.72
02 83 19 13-0120	EA	Demolish Radiators, Lead Contaminated Material	76.53
02 83 19 13-0121	EA	Demolish Shutters, Lead Contaminated Material	29.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0122	SF	Demolish Siding, Lead Contaminated Material	1.19	
02 83 19 13-0123	SF	Demolish Soffit, Lead Contaminated Material	1.00	
02 83 19 13-0124	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	2.76	
02 83 19 13-0125	SF	Demolish Steel Beams, Lead Contaminated Material	3.25	
02 83 19 13-0126	SF	Demolish Trusses, Lead Contaminated Material	4.26	
02 83 19 13-0127	SF	Demolish Walls, Wood, Lead Contaminated Material	3.15	
02 83 19 13-0128	SF	Demolish Windows, Lead Contaminated Material	10.59	
02 83 19 13-0129	SF	Demolish Metal Stair, Lead Contaminated Material	5.07	
02 83 19 13-0130	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	3.72	
02 83 19 13-0131	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	6.08	
02 83 19 13-0132	SF	Demolish Metal Picket Fence, Lead Contaminated Material	1.67	
02 83 19 13-0133	SF	Demolish Plywood, Lead Contaminated Material	4.58	
02 83 19 13-0134	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	2.23	
02 83 19 13-0135	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	13.96	
02 83 19 13-0136	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	3.05	
02 83 19 13-0137	LF	Demolish Metal Guard Rails, Lead Contaminated Material	8.38	
02 83 19 13-0138		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0139	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	2.12	
02 83 19 13-0140		Scrape And Sand Lead Paint *(02 83 19 13)*		
02 83 19 13-0141	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	0.81	
02 83 19 13-0142	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	0.84	
02 83 19 13-0143	SF	Hand Scrape Lead Paint From Wood Surfaces	1.11	
02 83 19 13-0144	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces	1.13	
02 83 19 13-0145		Lead Abatement Encapsulation *(02 83 19 13)*		
		Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0146	SF	Balustrades, Lead Abatement Encapsulation	4.19	
02 83 19 13-0147	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	3.94	
02 83 19 13-0148	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	5.41	
02 83 19 13-0149	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	2.81	
02 83 19 13-0150	SF	Ornate Cabinets, Lead Abatement Encapsulation	5.92	
02 83 19 13-0151	SF	Simple Design Cabinets, Lead Abatement Encapsulation	4.88	
02 83 19 13-0152	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.88	
02 83 19 13-0153	SF	Wood Ceilings, Lead Abatement Encapsulation	2.22	
02 83 19 13-0154	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.08	
02 83 19 13-0155	SF	Columns, Lead Abatement Encapsulation	3.33	
02 83 19 13-0156	SF	Doors, Lead Abatement Encapsulation	6.05	
02 83 19 13-0157	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	2.69	
02 83 19 13-0158	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.12	
02 83 19 13-0159	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.83	
02 83 19 13-0160	SF	Grilles, Vents, Lead Abatement Encapsulation	4.49	
02 83 19 13-0161	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.19	
02 83 19 13-0162	EA	Hangers, Lead Abatement Encapsulation	33.35	
02 83 19 13-0163	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.56	
02 83 19 13-0164	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.86	
02 83 19 13-0165	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.10	
02 83 19 13-0166	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.03	
02 83 19 13-0167	EA	Radiators, Lead Abatement Encapsulation	94.72	
02 83 19 13-0168	EA	Up To 6' Shutters, Lead Abatement Encapsulation	129.42	
02 83 19 13-0169	SF	Siding, Lead Abatement Encapsulation	2.47	
02 83 19 13-0170	SF	Up To 12" Soffit, Lead Abatement Encapsulation	3.33	
02 83 19 13-0171	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	2.81	
02 83 19 13-0172	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	3.58	
02 83 19 13-0173	SF	Trusses, Lead Abatement Encapsulation	3.58	
02 83 19 13-0174	SF	Drywall Walls, Lead Abatement Encapsulation	1.67	
02 83 19 13-0175	SF	Wood Walls, Lead Abatement Encapsulation	2.03	
02 83 19 13-0176	EA	Window Without Grille, Lead Abatement Encapsulation	81.72	
02 83 19 13-0177	EA	Window With Grille, Lead Abatement Encapsulation	104.23	
02 83 19 13-0178	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	2.32	
02 83 19 13-0179	LF	Steel Lintels, Lead Abatement Encapsulation	2.70	
02 83 33		**Removal and Disposal of Material Containing Lead** *(02 83)*		
02 83 33 13		**Lead-Based Paint Removal and Disposal** *(02 83 33)*		
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.18	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.21	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	0.88	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	3.56	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.39	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.32	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	10.21	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	21.37	
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.18	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.51	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	26.25	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	50.96	
02 84 33		**Removal and Disposal of Polychlorinated Biphenyls** *(02 84)*		
02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	2,267.67	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	3,587.95	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	922.22	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	4,384.13	
02 84 33 00-0006	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,954.09	
02 84 33 00-0007	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	1,678.13	
02 86		**Hazardous Waste Drum Handling** *(02 80)*		
02 86 00 00-0001		Hazardous Waste Packaging *(02 86)*		
02 86 00 00-0002		Overpacks *(02 86 00 00-0001)*		
02 86 00 00-0003		Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*		
02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	542.23	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	308.65	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	297.90	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	186.38	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	146.82	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	98.92	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	89.44	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	78.81	
02 86 00 00-0012		Polyethylene Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	612.48	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	113.19	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	554.22	
02 86 00 00-0016		Composite Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	300.75	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	412.71	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	559.79	
02 86 00 00-0020		DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.65	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.38	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.21	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.36	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	16.11	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.34	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.85	
02 86 00 00-0028		Steel Drums *(02 86 00 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0029		**UN Rated Steel Drums** *(02 86 00 00-0028)*		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	139.63	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0032	EA	8 Gallon, 17C, Open, Steel Drum	100.98	
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	98.79	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	131.97	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	107.01	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	84.33	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	97.75	
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	83.09	
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0057	EA	30 Gallon, 17E, Open, Steel Drum	60.28	
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	144.89	
02 86 00 00-0059	EA	20 Gallon, 17C, Open, Steel Drum	84.72	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	128.42	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	111.96	
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0066	EA	20 Gallon, 17E, Open, Steel Drum	57.02	
02 86 00 00-0067		**Plastic Drums** *(02 86 00 00-0001)*		
02 86 00 00-0068		**Polyethylene Closed Head Drums** *(02 86 00 00-0067)*		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	87.65	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	67.29	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	61.10	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	42.69	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	41.87	
02 86 00 00-0074		**Polyethylene Open Head Drums** *(02 86 00 00-0067)*		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	110.79	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	81.46	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	77.39	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	57.02	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	48.88	
02 86 00 00-0080		**Fiber Drums** *(02 86 00 00-0001)*		
02 86 00 00-0081		**Steel Top/Fiber Bottom Drums, Hazardous** *(02 86 00 00-0080)*		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	67.12	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	62.89	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	57.35	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	56.70	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	69.08	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	65.17	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	60.28	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	58.33	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	50.51	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	43.01	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	46.92	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	54.74	
02 86 00 00-0094		**Loading Hazardous Waste For Shipment** *(02 86 00 00-0001)*		
02 86 00 00-0095	EA	Load Drums On Disposal Truck	7.02	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	842.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0097		Transport Drums To Landfill *(02 86 00 00-0001)* Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA	Transport Drum To Landfill Note: Includes transportation for up to 25 miles.	104.90	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0039 for temporary stud walls, 01 74 19 00-0031 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)* Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)* Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)* Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	630.10	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.43	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.39	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.86	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	10.46	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.14	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	647.02	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	28.90	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	21.96	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.75	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.84	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.31	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	638.56	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.15	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	10.68	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	8.09	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	6.26	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)* Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	633.86	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	14.06	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	10.59	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	8.00	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	6.06	
02 87 13 33-0031		Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)* Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	633.86	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.06	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	10.59	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.00	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	6.06	
02 87 13 33-0037		Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	643.27	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	4.68	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	3.70	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.92	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.14	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0043		**Fireproofing, Mold Abatement And Disposal** *(02 87 13 33-0024)* Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	638.56	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	19.40	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	14.65	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	11.05	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	8.36	
02 87 13 33-0049		**Flooring, Mold Abatement And Disposal** *(02 87 13 33)* Note: Includes cove base.		
02 87 13 33-0050		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0051		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0050)* Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	643.27	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	4.65	
		For Each Additional Layer, Add	*1.16*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.59	
		For Each Additional Layer, Add	*0.65*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.49	
		For Each Additional Layer, Add	*0.37*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.15	
		For Each Additional Layer, Add	*0.29*	
02 87 13 33-0057		**Carpet, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0058		**Carpet, Glue Down, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	643.27	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.86	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.42	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.61	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.23	
02 87 13 33-0064		**Carpet, Padded With Tack Strips, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	643.27	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.35	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.16	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.50	
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	1.93	
02 87 13 33-0070		**Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	638.56	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	5.35	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	3.42	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.06	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.30	
02 87 13 33-0076		**Siding, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0077		**Interior Paneling, Mold Abatement And Disposal** *(02 87 13 33-0076)* Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	643.27	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.63	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.25	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.88	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.43	
02 87 13 33-0083		**Exterior Siding, Mold Abatement And Disposal** *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	643.27	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.77	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.00	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.69	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.42	
02 87 13 33-0089		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0090		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	647.02	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	22.72	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	15.53	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	11.93	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	9.76	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	5.85	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	5.37	
02 87 13 33-0098		**Other Mold Containing Materials, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0099		**Wood Studs, Mold Abatement And Disposal** *(02 87 13 33-0098)*		
		Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	321.62	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.60	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.93	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.50	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.14	
02 87 13 33-0105		**Ceiling Tile, Mold Abatement And Disposal** *(02 87 13 33-0098)*		
		Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	643.27	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	8.00	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	3.75	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.69	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.65	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.59	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.27	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.97	
02 87 13 33-0114		**Caulking, Mold Abatement And Disposal** *(02 87 13 33-0098)*		
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	156.42	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	3.14	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.25	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.71	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.26	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.02	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.88	
02 87 13 33-0122		**Wipe Down Walls, Ceilings And Floors** *(02 87 13 33-0098)*		
02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	17.36	
		For >25 To 50, Deduct	*-1.74*	
		For >50 To 200, Deduct	*-4.34*	
		For >200, Deduct	*-6.94*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	20.41	
		For >25 To 50, Deduct	*-2.04*	
		For >50 To 200, Deduct	*-5.10*	
		For >200, Deduct	*-8.16*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	23.23	
		For >25 To 50, Deduct	*-2.32*	
		For >50 To 200, Deduct	*-5.81*	
		For >200, Deduct	*-9.29*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	18.93	
		For >25 To 50, Deduct	*-1.89*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	24.03	
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 200, Deduct	*-6.01*	
		For >200, Deduct	*-9.61*	
02 87 13 33-0128		**Cabinets** *(02 87 13 33-0098)*		
02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	664.86	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	70.22	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	51.56	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	631.02	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	59.36	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	40.71	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0001		**Bird Waste Removal** *(02 87 16 13)* Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	624.46	
		For Work In Restricted Working Space, Add	*187.34*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	10.40	
		For Work In Restricted Working Space, Add	*3.12*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	9.46	
		For Work In Restricted Working Space, Add	*2.84*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	8.60	
		For Work In Restricted Working Space, Add	*2.58*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	7.82	
		For Work In Restricted Working Space, Add	*2.35*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001		**Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19)*		
02 87 19 00-0002		**Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	714.96	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	678.65	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	533.39	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	618.12	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,217.32	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	238.40	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	327.21	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	351.42	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	196.04	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,459.42	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	196.04	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,096.27	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	12.86	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	336.50	
02 87 19 00-0017		**Temporary Sheeting For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.39	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.51	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.67	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.50	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.62	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.78	
02 87 19 00-0024		**Temporary Floor Protection For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.18	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.20	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.41	
02 87 19 00-0028		**Temporary Stud Wall For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.63	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.55	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.86	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.02	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	2.65	
02 87 19 00-0034		**Isolation Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) to construct stand-alone tents (floor, walls and ceiling) with airlock.	17.65	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	1.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0037		**Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	16.73	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	20.23	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	29.14	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,499.93	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	539.29	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	873.03	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	135.55	
02 87 19 00-0045		**Temporary Portable And Mobile Trailers** *(02 87 19)*		
02 87 19 00-0046		**Trailer Delivery** *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	811.97	
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,690.60	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	19,346.67	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,618.73	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	34,525.68	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	39,256.63	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	41,259.68	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	45,910.18	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0056		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0057		**Skirting** *(02 87 19 00-0056)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	4.26	0.89
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	5.96	1.47
02 87 19 00-0060		**Aluminum Modular Access Ramp** *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,950.21	17.00
02 87 19 00-0062		**Aluminum Modular Stairs** *(02 87 19 00-0056)* Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,084.24	
02 87 19 00-0064		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)* Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	901.40	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,058.59	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	518.49	
02 87 19 00-0068		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)* Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0070	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	237.49	

02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces *(02 87 19 00-0068)*

Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces

02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	17.61	
		For >25 To 50, Deduct	*-1.76*	
		For >50 To 200, Deduct	*-3.52*	
		For >200, Deduct	*-5.28*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-3.52*	
		For Level 3 Biohazard Cleaning, Add	*5.80*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	20.72	
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 200, Deduct	*-4.14*	
		For >200, Deduct	*-6.21*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-4.14*	
		For Level 3 Biohazard Cleaning, Add	*6.83*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	23.57	
		For >25 To 50, Deduct	*-2.36*	
		For >50 To 200, Deduct	*-4.71*	
		For >200, Deduct	*-7.07*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-4.71*	
		For Level 3 Biohazard Cleaning, Add	*7.77*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	19.21	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For >5 To 10, Deduct	*-0.96*	
		For >10 To 50, Deduct	*-1.92*	
		For >50, Deduct	*-3.84*	
		For Level 1 Biohazard Cleaning, Deduct	*-3.84*	
		For Level 3 Biohazard Cleaning, Add	*6.33*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	24.38	
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 200, Deduct	*-4.87*	
		For >200, Deduct	*-7.31*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*	
		For Level 1 Biohazard Cleaning, Deduct	*-4.87*	
		For Level 3 Biohazard Cleaning, Add	*8.04*	

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials *(02 87 19 00-0068)*

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	45.51	
		For Level 1 Biohazard Cleaning, Deduct	*-9.10*	
		For Level 3 Biohazard Cleaning, Add	*15.01*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	20.89	
		For Level 1 Biohazard Cleaning, Deduct	*-4.17*	
		For Level 3 Biohazard Cleaning, Add	*6.89*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.12*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	73.31	
		For Level 1 Biohazard Cleaning, Deduct	*-14.66*	
		For Level 3 Biohazard Cleaning, Add	*24.19*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	4.52	
		For Level 1 Biohazard Cleaning, Deduct	*-0.90*	
		For Level 3 Biohazard Cleaning, Add	*1.49*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	67.58	
		For Level 1 Biohazard Cleaning, Deduct	*-13.51*	
		For Level 3 Biohazard Cleaning, Add	*22.29*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	7.23	
		For Level 1 Biohazard Cleaning, Deduct	*-1.44*	
		For Level 3 Biohazard Cleaning, Add	*2.38*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	2.67	
		For Level 1 Biohazard Cleaning, Deduct	*-0.53*	
		For Level 3 Biohazard Cleaning, Add	*0.87*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	3.36	
		For Level 1 Biohazard Cleaning, Deduct	*-0.66*	
		For Level 3 Biohazard Cleaning, Add	*1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.53	
		For Level 1 Biohazard Cleaning, Deduct	*-0.88*	
		For Level 3 Biohazard Cleaning, Add	*1.45*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.44	
		For Level 1 Biohazard Cleaning, Deduct	*-1.24*	
		For Level 3 Biohazard Cleaning, Add	*2.04*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	118.76	
		For Level 1 Biohazard Cleaning, Deduct	*-23.75*	
		For Level 3 Biohazard Cleaning, Add	*39.18*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	8.27	
		For Level 1 Biohazard Cleaning, Deduct	*-1.65*	
		For Level 3 Biohazard Cleaning, Add	*2.72*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	79.18	
		For Level 1 Biohazard Cleaning, Deduct	*-15.83*	
		For Level 3 Biohazard Cleaning, Add	*26.12*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	237.51	
		For Level 1 Biohazard Cleaning, Deduct	*-47.50*	
		For Level 3 Biohazard Cleaning, Add	*78.37*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	19.81	
		For Level 1 Biohazard Cleaning, Deduct	*-3.96*	
		For Level 3 Biohazard Cleaning, Add	*6.53*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.39	
		For Level 1 Biohazard Cleaning, Deduct	*-0.06*	
		For Level 3 Biohazard Cleaning, Add	*0.11*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.47	
		For Level 1 Biohazard Cleaning, Deduct	*-0.06*	
		For Level 3 Biohazard Cleaning, Add	*0.11*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	99.52
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	423.89
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,186.89
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	164.76
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	453.10
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,235.73
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	35.65
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	98.05
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	267.40
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	83.80
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	344.17
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,040.00
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	121.64
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	351.06
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	702.11
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,404.23
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	468.08
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	936.15
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,872.30
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,034.55
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,069.11
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,138.22
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,379.41
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,758.81
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,517.62
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,724.26
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,448.51
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,897.03
02 87 19 00-0125	EA	Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	72.30
02 87 19 00-0126	EA	Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	144.60
02 87 19 00-0127	EA	Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	433.79
02 87 19 00-0128	EA	Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	867.60
02 87 19 00-0129	EA	Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,446.00
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	76.76
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	211.10
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	575.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0133		**Bio-Hazard And Infectious Disease Control Hauling By Truck** *(02 87 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	72.98	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*0.91*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	131.25	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.64*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	144.00	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.80*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	148.16	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.85*	
02 87 19 00-0138		**Bio-Hazard And Infectious Disease Control Disposal** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	30.46	
02 87 19 00-0140		**BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters** *(02 87 19)* Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,803.80	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,499.43	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,444.71	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.81	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,043.44	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,468.57	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,166.58	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,678.98	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	311.23	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	98.40	
02 87 19 00-0151		**Bio-Hazard And Infectious Disease Time And Material Tasks** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		**Bio-Hazard And Infectious Disease Control Labor** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	52.38	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	59.94	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	104.85	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	126.00	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	138.60	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.80	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	19.08	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.37	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	132.79	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	41.24	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	405.13	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	55.38	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	100.61	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	21.39	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (AfI), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,707.95	

02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0039 for temporary walls.

02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	9.20	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.45	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	90.16	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	368.99	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.44	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.91	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.73	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	80.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	47.30	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.89	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.46	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	145.60	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001 Barriers And Protection *(02 89)*

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers *(02 89 00 00-0001)*

See CSI section 01 56 16 00-0039 for temporary stud walls.

02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting *(02 89 00 00-0001)*

02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.40	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.52	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.68	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.42	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.50	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.62	

02 89 00 00-0010 Decontamination Chambers *(02 89)*

Note: Includes cleaning of contaminated materials, removal after use and disposal of plastic barriers. See CSI section 02 89 00 00-0001 for plastic barrier sheets.

02 89 00 00-0011	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	836.51	
02 89 00 00-0012	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	980.61	
02 89 00 00-0013	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	466.57	
		For Dismantling And Relocation To A Different Area, Add	*230.15*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 10 Right of Way Clearing *(02 90)*

02 90 10 00-0001 Load And Haul Burnable Right Of Way Debris *(02 90 10)*

02 90 10 00-0002	CY	Up To 15 Miles, Load And Haul Vegetative Debris To Designated Area	18.37	
02 90 10 00-0003	CY	>15 To 30 Miles, Load And Haul Vegetative Debris To Designated Area	21.82	
02 90 10 00-0004	CY	>30 To 60 Miles, Load And Haul Vegetative Debris To Designated Area	26.89	

02 90 10 00-0005 Load And Haul Non-Burnable Right Of Way Debris *(02 90 10)*

02 90 10 00-0006	TON	Up To 15 Miles, Load And Haul Non-Vegetative Debris To Designated Area	67.01	
02 90 10 00-0007	TON	>15 To 30 Miles, Load And Haul Non-Vegetative Debris To Designated Area	76.58	
02 90 10 00-0008	TON	>30 To 60 Miles, Load And Haul Non-Vegetative Debris To Designated Area	89.98	

02 90 10 00-0009 Haul Chipped Debris *(02 90 10)*

Note: Excludes chipping the debris. Debris is chipped and loaded by others typically at a temporary vegetative debris staging site

02 90 10 00-0010	TON	Up To 15 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	66.56	
02 90 10 00-0011	TON	>15 Miles To 30 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	78.88	
02 90 10 00-0012	TON	>30 Miles To 60 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	103.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 90 20 Vegetation Removal and Maintenance *(02 90)*

02 90 20 00-0001 Remove And Haul Stumps *(02 90 20)*

02 90 20 00-0002	EA	6" To 24" Diameter, Removal And Hauling Of Stumps	254.43
02 90 20 00-0003	EA	>24" To 48" Diameter, Removal And Hauling Of Stumps	720.89
02 90 20 00-0004	EA	>48" Diameter, Removal And Hauling Of Stumps	996.52

02 90 20 00-0005 Remove Trees and Place on Right-of-Way *(02 90 20)*

02 90 20 00-0006	EA	13" - 24" DBH Tree Removal and Place on Right-of-Way	216.02
02 90 20 00-0007	EA	>24 - 48" DBH Tree Removal and Place on Right-of-Way	930.58
02 90 20 00-0008	EA	>48 - 72" DBH Tree Removal and Place on Right-of-Way	1,230.77
02 90 20 00-0009	EA	>72" DBH Tree Removal and Place on Right-of-Way	2,051.29

02 90 20 00-0010 Remove Hanging Limbs From Tree *(02 90 20)*

02 90 20 00-0011	EA	Removal Of Hanging Limbs From Tree, Per Each Tree	257.01

02 90 30 Management of Temporary Storage and Reduction Site(s) *(02 90)*

02 90 30 00-0001 Management Of Temporary Storage And Reduction Site *(02 90 30)*

Note: Includes all equipment and personnel to manage and operate vegetative debris storage and reduction site(s). Sites shall be designated by the Owner.

02 90 30 00-0002	CY	Management Of Temporary Vegetative Debris Storage And Reduction Site	11.47

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal *(02 90 50)*

Note: For materials not requiring mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	12.92
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	3.14
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.26
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.31
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.31
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.48

02 90 50 00-0008 Cleaning *(02 90 50)*

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings *(02 90 50 00-0008)*

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	29.81
		For Medium Clean, Add	*12.52*
		For Heavy Clean, Add	*38.75*
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.66
		For Medium Clean, Add	*0.70*
		For Heavy Clean, Add	*2.16*
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.98
		For Medium Clean, Add	*1.25*
		For Heavy Clean, Add	*3.87*
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.61
		For Medium Clean, Add	*3.62*
		For Heavy Clean, Add	*11.19*
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	27.82
		For Medium Clean, Add	*11.68*
		For Heavy Clean, Add	*36.17*
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	171.56
		For Medium Clean, Add	*72.06*
		For Heavy Clean, Add	*223.03*
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	35.10
		For Medium Clean, Add	*14.74*
		For Heavy Clean, Add	*45.63*
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	33.12
		For Medium Clean, Add	*13.91*
		For Heavy Clean, Add	*43.06*
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	7.27
		For Medium Clean, Add	*3.05*
		For Heavy Clean, Add	*9.45*
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	9.29
		For Medium Clean, Add	*3.90*
		For Heavy Clean, Add	*12.08*
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.62
		For Medium Clean, Add	*3.20*
		For Heavy Clean, Add	*9.91*
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.90
		For Medium Clean, Add	*6.26*
		For Heavy Clean, Add	*19.37*
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.62
		For Medium Clean, Add	*3.20*
		For Heavy Clean, Add	*9.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.25	
		For Medium Clean, Add	*5.57*	
		For Heavy Clean, Add	*17.23*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.18	
		For Medium Clean, Add	*1.34*	
		For Heavy Clean, Add	*4.13*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.44	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.57*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.63	
		For Medium Clean, Add	*2.36*	
		For Heavy Clean, Add	*7.32*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.39	
		For Medium Clean, Add	*2.68*	
		For Heavy Clean, Add	*8.31*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.98	
		For Medium Clean, Add	*0.41*	
		For Heavy Clean, Add	*1.27*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.86	
		For Medium Clean, Add	*0.36*	
		For Heavy Clean, Add	*1.12*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.46	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.60*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.40	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.52*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.30	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.39*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.33	
		For Medium Clean, Add	*0.14*	
		For Heavy Clean, Add	*0.43*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.20	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.26*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.28	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.36*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	69.85	
		For Medium Clean, Add	*29.34*	
		For Heavy Clean, Add	*90.81*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	87.32	
		For Medium Clean, Add	*36.67*	
		For Heavy Clean, Add	*113.52*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	104.77	
		For Medium Clean, Add	*44.00*	
		For Heavy Clean, Add	*136.20*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	122.24	
		For Medium Clean, Add	*51.34*	
		For Heavy Clean, Add	*158.91*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.76	
		For Medium Clean, Add	*0.32*	
		For Heavy Clean, Add	*0.99*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.64	
		For Medium Clean, Add	*0.69*	
		For Heavy Clean, Add	*2.13*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.87	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.00	
		For Medium Clean, Add	*0.84*	
		For Heavy Clean, Add	*2.60*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.30	
		For Medium Clean, Add	*0.97*	
		For Heavy Clean, Add	*2.99*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.72	
		For Medium Clean, Add	*5.76*	
		For Heavy Clean, Add	*17.84*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	32.34	
		For Medium Clean, Add	*13.58*	
		For Heavy Clean, Add	*42.04*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	27.94	
		For Medium Clean, Add	*11.73*	
		For Heavy Clean, Add	*36.32*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	19.87	
		For Medium Clean, Add	*8.35*	
		For Heavy Clean, Add	*25.83*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	20.07	
		For Medium Clean, Add	*8.43*	
		For Heavy Clean, Add	*26.09*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	9.21	
		For Medium Clean, Add	*3.87*	
		For Heavy Clean, Add	*11.97*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.93	
		For Medium Clean, Add	*2.49*	
		For Heavy Clean, Add	*7.71*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	16.56	
		For Medium Clean, Add	*6.96*	
		For Heavy Clean, Add	*21.53*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	63.59	
		For Medium Clean, Add	*26.71*	
		For Heavy Clean, Add	*82.67*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.96	
		For Medium Clean, Add	*2.50*	
		For Heavy Clean, Add	*7.75*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	41.28	
		For Medium Clean, Add	*17.34*	
		For Heavy Clean, Add	*53.66*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	36.76	
		For Medium Clean, Add	*15.44*	
		For Heavy Clean, Add	*47.79*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	24.51	
		For Medium Clean, Add	*10.29*	
		For Heavy Clean, Add	*31.86*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	26.49	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.44*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	34.45	
		For Medium Clean, Add	*14.47*	
		For Heavy Clean, Add	*44.79*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	24.18	
		For Medium Clean, Add	*10.16*	
		For Heavy Clean, Add	*31.43*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.90	
		For Medium Clean, Add	*6.68*	
		For Heavy Clean, Add	*20.67*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	7.29	
		For Medium Clean, Add	*3.06*	
		For Heavy Clean, Add	*9.48*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.63	
		For Medium Clean, Add	*2.36*	
		For Heavy Clean, Add	*7.32*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.99	
		For Medium Clean, Add	*0.84*	
		For Heavy Clean, Add	*2.59*	

02 90 50 00-0077 Thermal Fog *(02 90 50 00-0008)*

02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	

02 90 50 00-0079 Contents Manipulation *(02 90 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.26	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.32	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.52	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	155.80	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	206.62	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	154.06	

02 90 50 00-0086 Water Disaster Clean-up *(02 90 50)*

02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.67	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.19	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.39	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.45	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.74	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.17	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.36	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.43	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.65	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.95	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.90	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.32	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.41	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.67	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.46	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.28	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.35	

02 90 50 00-0107 Board Up And Tarp Up *(02 90 50)*

02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.25	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.61	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.63	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.76	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.01	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.03	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.16	

02 90 50 00-0115 Minimum Charge For Disaster Cleanup *(02 90 50)*

02 90 50 00-0116	EA	Minimum Charge For Disaster Cleaning	1,484.45	
02 90 50 00-0117	EA	Minimum Charge For Disaster Water Extraction	286.15	
02 90 50 00-0118	EA	Minimum Charge For Disaster Carpet Cleaning	200.60	

02 90 50 00-0119 Document Restoration *(02 90 50)*

02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	103.60	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	51.79	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.65	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.64	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.55	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.18	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.36	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	310.77	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	41.42	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.16	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.31	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	133.69	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.31	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.31	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.36	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	200.35	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.36	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.36	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.60	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	267.33	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.60	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.60	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.66	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.66	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.66	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	334.10	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.81	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	501.30	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.81	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.81	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.19	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.97	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	103.60	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	145.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.19	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.97	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.16	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.36	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	41.42	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.72	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.89	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.83	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.56	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.12	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.21	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.53	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	56.04	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	15.29	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	186.46	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	145.04	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	124.31	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	165.75	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	310.77	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	190.64	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	41.42	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.18	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	139.01	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	119.15	
02 90 50 00-0180	EA	Minimum Charge For Up To 48 CF, Irradiation - Gamma For Document Restoration	3,276.74	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.79	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,380.20	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	230.76	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.36	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.48	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.99	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	33.34	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.88	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	44.00	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	60.50	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	99.00	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	82.50	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	115.50	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	165.00	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	121.00	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	60.25	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	82.50	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.50	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.88	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	87.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	105.00	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	94.25	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	68.12	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	66.00	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	54.50	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.50	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	99.52	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	379.66	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,039.45	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.93	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	90.01	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	248.47	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	62.12	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	158.46	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	373.97	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	342.28	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	919.08	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,560.75	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	773.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,041.00	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,501.82	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	73.55	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	208.96	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	718.83	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	68.54	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	183.89	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	476.43	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	109.66	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	312.94	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	874.63	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	1,019.75	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	3,059.25	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	9,177.75	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	80.24	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	180.54	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	481.45	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	100.30	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	225.68	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	601.81	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	75.23	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	106.99	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	292.55	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	819.13	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	130.39	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	443.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	844.21	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	121.22	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	333.35	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	909.15	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	41.79	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	25.08	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	66.87	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	183.89	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	501.51	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	83.58	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	229.86	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	626.89	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	125.38	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,797.18	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	35.65	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	98.05	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	267.40	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	51.34	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	141.18	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	385.05	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	201.84	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	555.07	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,513.82	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	169.78	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	466.88	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,273.31	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	20.06	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	55.17	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	150.45	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	138.46	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	380.76	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,038.43	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	149.40	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	28.42	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.67	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	31.37	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	42.78	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	117.65	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	320.87	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	75.23	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	206.87	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	564.20	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	178.26	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	100.30	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	142.61	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	213.92	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	142.61	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	108.66	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	41.79	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,783.33	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.37	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	36.78	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	100.30	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	90.34	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	265.80	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	909.77	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	178.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	419.90	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,170.62	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	190.86	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	477.15	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,285.14	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.81	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	35.65	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	256.61	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	127.38	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	207.69	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	280.34	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	275.99	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	229.84	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,036.59	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	35.65	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	98.05	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	267.40	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	121.22	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	333.35	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	909.15	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	30.46	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	83.77	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	228.45	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	309.26	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	325.98	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	118.69	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	317.62	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	886.00	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	35.65	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	98.05	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	267.40	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	105.32	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	842.54	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	264.13	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	528.26	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,056.51	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	351.06	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	702.11	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,404.23	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	401.21	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	802.42	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,604.83	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	468.08	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	936.15	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,872.30	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	252.76	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	695.09	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,895.71	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	76.76	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	211.10	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	575.73	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	41.70	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	41.79	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	114.93	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	313.44	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	805.82	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,216.01	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	6,043.67	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	150.45	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	413.75	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,128.40	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,150.12	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,162.83	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,625.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	950.74	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,614.54	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	7,130.56	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	73.84	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	203.07	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	553.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	45.23	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	124.38	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	339.22	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	25.08	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	68.96	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	188.07	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	116.30	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	319.84	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	872.28	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	376.13	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,034.36	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,820.99	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,044.81	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,873.23	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,836.09	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	20.06	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	55.17	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	150.45	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	585.10	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,609.01	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,388.21	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	41.79	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	114.93	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	313.44	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	346.14	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	951.90	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,596.08	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	164.76	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	453.10	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,235.73	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	178.26	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	490.23	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,336.98	
02 90 55 00-0233	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	101.46	
02 90 55 00-0234	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	279.00	
02 90 55 00-0235	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	760.91	
02 90 55 00-0236	DAY	Injectidry System For Emergency Clean-up	221.05	
02 90 55 00-0237	WK	Injectidry System For Emergency Clean-up	607.88	
02 90 55 00-0238	MO	Injectidry System For Emergency Clean-up	1,657.85	
02 90 55 00-0239	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	142.61	
02 90 55 00-0240	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	392.18	
02 90 55 00-0241	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,069.58	
02 90 55 00-0242	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	169.78	
02 90 55 00-0243	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	466.88	
02 90 55 00-0244	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,273.31	
02 90 55 00-0245	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	196.94	
02 90 55 00-0246	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	541.58	
02 90 55 00-0247	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,477.04	
02 90 55 00-0248	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0249	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0250	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0251	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0252	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0253	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0254	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	237.68	
02 90 55 00-0255	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	653.63	
02 90 55 00-0256	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,782.64	
02 90 55 00-0257	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	499.14	
02 90 55 00-0258	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,372.63	
02 90 55 00-0259	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,743.54	
02 90 55 00-0260	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	855.67	
02 90 55 00-0261	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,353.08	
02 90 55 00-0262	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,417.50	
02 90 55 00-0263	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0264	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0265	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0266	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0267	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0268	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0269	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,375.86	
02 90 55 00-0270	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,783.61	
02 90 55 00-0271	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,318.92	
02 90 55 00-0272	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,711.33	
02 90 55 00-0273	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,706.16	
02 90 55 00-0274	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,834.99	
02 90 55 00-0275	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,925.25	
02 90 55 00-0276	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,294.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0277	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,439.36	
02 90 55 00-0278	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,067.86	
02 90 55 00-0279	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,686.61	
02 90 55 00-0280	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,508.95	
02 90 55 00-0281	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,716.40	
02 90 55 00-0282	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,470.10	
02 90 55 00-0283	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	20,373.00	
02 90 55 00-0284	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,852.22	
02 90 55 00-0285	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,843.60	
02 90 55 00-0286	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	21,391.65	
02 90 55 00-0287	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	677.69	
02 90 55 00-0288	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,863.64	
02 90 55 00-0289	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,082.66	
02 90 55 00-0290	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	938.34	
02 90 55 00-0291	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,580.43	
02 90 55 00-0292	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,037.53	
02 90 55 00-0293	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	855.67	
02 90 55 00-0294	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,353.08	
02 90 55 00-0295	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,417.50	
02 90 55 00-0296	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,140.89	
02 90 55 00-0297	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,137.44	
02 90 55 00-0298	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,556.66	
02 90 55 00-0299	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,925.25	
02 90 55 00-0300	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,294.43	
02 90 55 00-0301	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,439.36	
02 90 55 00-0302	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,139.16	
02 90 55 00-0303	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,882.70	
02 90 55 00-0304	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	16,043.74	
02 90 55 00-0305	DAY	25' Flex Duct For Emergency Clean-up	28.52	
02 90 55 00-0306	WK	25' Flex Duct For Emergency Clean-up	78.44	
02 90 55 00-0307	MO	25' Flex Duct For Emergency Clean-up	213.92	
02 90 55 00-0308	DAY	Hygrothermograph For Emergency Clean-up	41.79	
02 90 55 00-0309	WK	Hygrothermograph For Emergency Clean-up	114.93	
02 90 55 00-0310	MO	Hygrothermograph For Emergency Clean-up	313.44	
02 90 55 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,811.79	
02 90 55 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,982.42	
02 90 55 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	73,588.43	

02 90 55 00-0314 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0315	WK	Up to 65 KVA Generator For Emergency Clean-up	1,290.84	
02 90 55 00-0316	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,184.49	
02 90 55 00-0317	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,130.56	
02 90 55 00-0318	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,673.92	
02 90 55 00-0319	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,964.75	
02 90 55 00-0320	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,475.65	
02 90 55 00-0321	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,645.72	
02 90 55 00-0322	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	10,227.38	
02 90 55 00-0323	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,390.72	
02 90 55 00-0324	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	33.36	
02 90 55 00-0325	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	159.86	
02 90 55 00-0326	EA	Electrical Distribution Panel For Emergency Clean-up	346.14	
02 90 55 00-0327	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	60.07	
02 90 55 00-0328	EA	50' Power Cord For Spider Box For Emergency Clean-up	55.61	
02 90 55 00-0329	EA	Pig Tails (Per Each) For Emergency Clean-up	4.18	

02 90 55 00-0330 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0331	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.09	
02 90 55 00-0332	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0333	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0334	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.43	

02 90 55 00-0335 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0336	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.80	
02 90 55 00-0337	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.44	
02 90 55 00-0338	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	15.14	
02 90 55 00-0339	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	19.08	
02 90 55 00-0340	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	132.79	
02 90 55 00-0341	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.17	
02 90 55 00-0342	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	6.04	
02 90 55 00-0343	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0344	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	32.44	
02 90 55 00-0345	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0346	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	41.24	
02 90 55 00-0347	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	45.98	
02 90 55 00-0348	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.15	
02 90 55 00-0349	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	21.39	
02 90 55 00-0350	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.45	
02 90 55 00-0351	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.38	
02 90 55 00-0352	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.81	
02 90 55 00-0353	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.29	
02 90 55 00-0354	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.88	
02 90 55 00-0355	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.59	
02 90 55 00-0356	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.70	
02 90 55 00-0357	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	18.27	
02 90 55 00-0358	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.37	
02 90 55 00-0359	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	20.40	
02 90 55 00-0360	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.42	
02 90 55 00-0361	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	7.13	

02 90 55 00-0362 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0363 General Materials *(02 90 55 00-0362)*

02 90 55 00-0364	GAL	Adhesive Remover For Emergency Clean-up	85.57	
02 90 55 00-0365	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	28.50	
02 90 55 00-0366	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	36.36	
02 90 55 00-0367	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.51	
02 90 55 00-0368	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0369	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0370	GAL	Bleach For Emergency Clean-up	9.20	
02 90 55 00-0371	EA	Small Stainless Brush For Emergency Clean-up	7.38	
02 90 55 00-0372	EA	2-1/2 Gallon Buckets For Emergency Clean-up	7.06	
02 90 55 00-0373	EA	5 Gallon Bucket For Emergency Clean-up	10.70	
02 90 55 00-0374	GAL	Carpet Defoamer For Emergency Clean-up	27.52	
02 90 55 00-0375	GAL	Carpet Pre-treat For Emergency Clean-up	27.32	
02 90 55 00-0376	GAL	Carpet Spotter For Emergency Clean-up	45.78	
02 90 55 00-0377	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0378	ROL	Carpet Masking/Shield For Emergency Clean-up	114.31	
02 90 55 00-0379	EA	Chemical Sponge For Emergency Clean-up	3.37	
02 90 55 00-0380	GAL	Clear Seal For Emergency Clean-up	115.04	
02 90 55 00-0381	GAL	Coil Cleaner For Emergency Clean-up	78.70	
02 90 55 00-0382	EA	Decontamination Chamber For Emergency Clean-up	341.97	
02 90 55 00-0383	GAL	All Purpose Degreaser For Emergency Clean-up	37.65	
02 90 55 00-0384	GAL	Heavy-Duty Degreaser For Emergency Clean-up	44.80	
02 90 55 00-0385	GAL	De-Foamer Liquid For Emergency Clean-up	49.48	
02 90 55 00-0386	EA	Deodorization Membrane For Emergency Clean-up	95.84	
02 90 55 00-0387	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	147.91	
02 90 55 00-0388	LB	Deodorizing Gel For Emergency Clean-up	34.75	
02 90 55 00-0389	GAL	Deodorizing Liquid For Emergency Clean-up	50.82	
02 90 55 00-0390	PAIL	Deodorizing Block For Emergency Clean-up	8.74	
02 90 55 00-0391	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	90.16	
02 90 55 00-0392	GAL	BruClean Disinfectant For Emergency Clean-up	40.04	
02 90 55 00-0393	GAL	Dryclean For Emergency Clean-up	39.93	
02 90 55 00-0394	GAL	Duct Sealant Spray For Emergency Clean-up	60.18	
02 90 55 00-0395	GAL	Antifungal Duct Sealant For Emergency Clean-up	86.93	
02 90 55 00-0396	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	133.39	
02 90 55 00-0397	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54	
02 90 55 00-0398	GAL	Encapsulant For Emergency Clean-up	121.10	
02 90 55 00-0399	GAL	Aftershock Fiberlocke For Emergency Clean-up	106.34	
02 90 55 00-0400	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	103.22	
02 90 55 00-0401	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	106.16	
02 90 55 00-0402	ROL	Filter Material For Emergency Clean-up	306.70	
02 90 55 00-0403	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.26	
02 90 55 00-0404	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	655.98	
02 90 55 00-0405	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.15	
02 90 55 00-0406	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	14.01	
02 90 55 00-0407	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	49.89	
02 90 55 00-0408	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	474.46	
02 90 55 00-0409	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.52	
02 90 55 00-0410	GAL	Floor Stripper For Emergency Clean-up	18.72	
02 90 55 00-0411	GAL	Floor Wax For Emergency Clean-up	26.75	
02 90 55 00-0412	GAL	Fogger (Thermal) For Emergency Clean-up	156.88	
02 90 55 00-0413	BOX	Furniture Blocks For Emergency Clean-up	126.36	
02 90 55 00-0414	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	17.03	
02 90 55 00-0415	GAL	Glass Cleaner For Emergency Clean-up	11.35	
02 90 55 00-0416	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.86	
02 90 55 00-0417	EA	Halogen Light Bulbs For Emergency Clean-up	19.10	
02 90 55 00-0418	QT	Hand Sanitizer For Emergency Clean-up	9.44	
02 90 55 00-0419	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.77	
02 90 55 00-0420	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	24.20	
02 90 55 00-0421	GAL	HVAC Coal Cleaner For Emergency Clean-up	70.52	
02 90 55 00-0422	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	170.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0423	EA	Utility Knives For Emergency Clean-up	14.71	
02 90 55 00-0424	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	146.00	
02 90 55 00-0425	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	154.14	
02 90 55 00-0426	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	306.89	
02 90 55 00-0427	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	443.59	
02 90 55 00-0428	GAL	Lemon Oil For Emergency Clean-up	45.64	
02 90 55 00-0429	GAL	LPS 1/Mecca Lube For Emergency Clean-up	48.60	
02 90 55 00-0430	GAL	LPS 2 For Emergency Clean-up	51.43	
02 90 55 00-0431	GAL	LPS Contact Cleaner For Emergency Clean-up	51.19	
02 90 55 00-0432	GAL	Light Lubricant Preserve For Emergency Clean-up	177.67	
02 90 55 00-0433	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.75	
02 90 55 00-0434	GAL	Machinery Cleaning Solvent For Emergency Clean-up	218.49	
02 90 55 00-0435	GAL	Metal Polishing Paste For Emergency Clean-up	32.89	
02 90 55 00-0436	GAL	MediClean® Disinfectant For Emergency Clean-up	54.06	
02 90 55 00-0437	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	66.35	
02 90 55 00-0438	EA	Mop Heads For Emergency Clean-up	8.11	
02 90 55 00-0439	EA	Nylon Scouring Pads For Emergency Clean-up	1.47	
02 90 55 00-0440	GAL	Odor Neutralizer For Emergency Clean-up	45.78	
02 90 55 00-0441	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	88.51	
02 90 55 00-0442	EA	Paint Brushes For Emergency Clean-up	6.69	
02 90 55 00-0443	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	206.41	
02 90 55 00-0444	EA	Putty Knives For Emergency Clean-up	6.06	
02 90 55 00-0445	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	45.04	
02 90 55 00-0446	GAL	Reodorant For Emergency Clean-up	113.68	
02 90 55 00-0447	GAL	Restoracide For Emergency Clean-up	53.32	
02 90 55 00-0448	GAL	Rust Remover For Emergency Clean-up	79.86	
02 90 55 00-0449	EA	Saltesmo Test Samples For Emergency Clean-up	7.42	
02 90 55 00-0450	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.94	
02 90 55 00-0451	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	35.44	
02 90 55 00-0452	EA	Small Scrub Brushes For Emergency Clean-up	16.98	
02 90 55 00-0453	GAL	Clear Soot Sealant For Emergency Clean-up	92.62	
02 90 55 00-0454	GAL	Pigmented Soot Sealant For Emergency Clean-up	249.78	
02 90 55 00-0455	ROL	Shrinkwrap Plastic For Emergency Clean-up	57.50	
02 90 55 00-0456	EA	Dry Sponges For Emergency Clean-up	5.91	
02 90 55 00-0457	EA	Spray Adhesive, Per Can For Emergency Clean-up	6.00	
02 90 55 00-0458	EA	Spray Bot./Trigger For Emergency Clean-up	5.16	
02 90 55 00-0459	GAL	Stain Remover For Emergency Clean-up	41.35	
02 90 55 00-0460	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.30	
02 90 55 00-0461	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.83	
02 90 55 00-0462	LB	Sweeping Compound For Emergency Clean-up	0.72	
02 90 55 00-0463	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.73	
02 90 55 00-0464	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	11.04	
02 90 55 00-0465	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	29.42	
02 90 55 00-0466	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.71	
02 90 55 00-0467	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.85	
02 90 55 00-0468	LB	Terry Towels For Emergency Clean-up	6.89	
02 90 55 00-0469	GAL	Thermal Fog For Emergency Clean-up	93.04	
02 90 55 00-0470	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	36.51	
02 90 55 00-0471	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	88.60	
02 90 55 00-0472	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	113.68	
02 90 55 00-0473	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	145.60	
02 90 55 00-0474	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	48.80	
02 90 55 00-0475	EA	Backpack Vacuum Bags For Emergency Clean-up	1.64	
02 90 55 00-0476	EA	Upright Vacuum Bags For Emergency Clean-up	2.19	
02 90 55 00-0477	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0478	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	47.30	
02 90 55 00-0479	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	128.43	
02 90 55 00-0480	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	175.24	
02 90 55 00-0481	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.97	
02 90 55 00-0482	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	144.24	
02 90 55 00-0483	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.46	
02 90 55 00-0484	EA	Zip Wall Zippers For Emergency Clean-up	21.89	
02 90 55 00-0485	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	35.66	
02 90 55 00-0486	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	53.49	
02 90 55 00-0487	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	56.36	
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	92.02	

02 90 55 00-0489 Technical/Electronics Restoration Materials *(02 90 55 00-0362)*

02 90 55 00-0490	EA	Brush - Brass For Emergency Clean-up	5.02	
02 90 55 00-0491	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.60	
02 90 55 00-0492	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.34	
02 90 55 00-0493	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.14	
02 90 55 00-0494	EA	Brush - Parts For Emergency Clean-up	6.95	
02 90 55 00-0495	EA	Brush - Plastic For Emergency Clean-up	3.61	
02 90 55 00-0496	EA	Brush - Wire Grout For Emergency Clean-up	9.69	
02 90 55 00-0497	EA	Brushing Tool For Emergency Clean-up	18.69	
02 90 55 00-0498	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0499	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0500	EA	Contact Restorer, Per Can For Emergency Clean-up	30.40	
02 90 55 00-0501	EA	Contact Spray, Per Can For Emergency Clean-up	20.69	
02 90 55 00-0502	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.21	
02 90 55 00-0503	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	9.19	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.91	
02 90 55 00-0505	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.81	
02 90 55 00-0506	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.30	
02 90 55 00-0507	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.82	
02 90 55 00-0508	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.73	
02 90 55 00-0509	GAL	Electronic Grade Detergent For Emergency Clean-up	41.54	
02 90 55 00-0510	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0511	GAL	Isopropyl Alcohol For Emergency Clean-up	110.07	
02 90 55 00-0512	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	179.14	
02 90 55 00-0513	GAL	PC Board Detergent For Emergency Clean-up	85.88	
02 90 55 00-0514	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	141.18	
02 90 55 00-0515	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	142.24	
02 90 55 00-0516	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	152.04	
02 90 55 00-0517	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.81	
02 90 55 00-0518	EA	Wire Marker Card For Emergency Clean-up	2.34	
02 90 55 00-0519	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.57	

END OF SECTION 02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	3.08
		For Up To 100, Add	*1.58*
		For >100 To 250, Add	*0.40*
		For >250 To 500, Add	*0.20*
		For >5,000 To 10,000, Deduct	*-0.04*
		For >10,000, Deduct	*-0.08*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	3.88
		For Up To 100, Add	*3.18*
		For >100 To 250, Add	*0.80*
		For >250 To 500, Add	*0.40*
		For >5,000 To 10,000, Deduct	*-0.08*
		For >10,000, Deduct	*-0.16*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Floor Resurfacing *(03 01 30 71-0001)*

03 01 30 71-0003	SF	1/4" Interior Floor Self-leveling, Colored Cementitious Topping	4.84
03 01 30 71-0004	SF	1/2" Interior Floor Self-leveling, Colored Cementitious Topping	6.85
03 01 30 71-0005	SF	1" Interior Floor Self-leveling, Colored Cementitious Topping	13.20

03 01 30 71-0006 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0007 Decks Or Floors *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	4.08
03 01 30 71-0009	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	15.66
03 01 30 71-0010	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.40
03 01 30 71-0011	CF	Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate	196.55
03 01 30 71-0012	CF	Patch Decks Or Floors With SSI FlexPatch	449.36

03 01 30 71-0013 Verticals Or Overheads *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	5.93
03 01 30 71-0015	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	19.65
03 01 30 71-0016	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	22.59
03 01 30 71-0017	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	6.94
03 01 30 71-0018	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	12.74

03 01 30 71-0019 Circular Piers *(03 01 30 71-0006)*

03 01 30 71-0020	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	8.70
03 01 30 71-0021	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	15.56

03 01 30 71-0022 Concrete Grinding *(03 01 30 71-0006)*

03 01 30 71-0023	SF	Grinding Cured, Warped, Or Rough Concete Slabs Note: Up to 1/8" of material per pass	0.57

03 01 30 71-0024 Spall Concrete Repair *(03 01 30 71-0001)*

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0025	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	47.06
		For Up To 100, Add	*32.01*
		For >100 To 250, Add	*16.01*
03 01 30 71-0026	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	56.17
		For Up To 100, Add	*35.57*
		For >100 To 250, Add	*17.78*
03 01 30 71-0027	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	84.26
		For Up To 100, Add	*53.35*
		For >100 To 250, Add	*26.67*
03 01 30 71-0028	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	109.98
		For Up To 100, Add	*69.35*
		For >100 To 250, Add	*34.68*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	34.25	
		For Up To 100, Add	*22.40*	
		For >100 To 250, Add	*11.20*	
03 01 30 71-0030	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces	41.94	
		For Up To 100, Add	*24.89*	
		For >100 To 250, Add	*12.45*	
03 01 30 71-0031	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces	62.92	
		For Up To 100, Add	*37.34*	
		For >100 To 250, Add	*18.67*	
03 01 30 71-0032	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces	82.25	
		For Up To 100, Add	*48.56*	
		For >100 To 250, Add	*24.28*	
03 01 30 71-0033		Concrete Cleaning *(03 01 30 71-0001)*		
		See CSI section 09 01 90 52-0002 for pressure washing concrete.		
03 01 30 71-0034	SF	Up To 10 SF, Clean Calcite/Staining On Concrete With Brush	10.72	
03 01 30 71-0035	SF	>10 To 100 SF, Clean Calcite/Staining On Concrete With Brush	7.53	
03 01 30 71-0036	SF	>100 To 500 SF, Clean Calcite/Staining On Concrete With Brush	5.30	
03 01 30 71-0037	SF	>500 To 1,000 SF, Clean Calcite/Staining On Concrete With Brush	3.73	
03 01 30 71-0038	SF	>1,000 To 2,500 SF, Clean Calcite/Staining On Concrete With Brush	2.65	
03 01 30 71-0039	SF	>2,500 SF, Clean Calcite/Staining On Concrete With Brush	1.88	
03 01 30 71-0040		Crack Repair For Concrete *(03 01 30 71-0001)*		
03 01 30 71-0041		Non-Structural Crack Repair For Concrete *(03 01 30 71-0040)*		
03 01 30 71-0042		Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0041)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0043	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	3.33	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	4.43	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0045	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	3.47	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0046	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	4.72	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0047	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	4.01	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0048	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	5.80	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0049	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	4.40	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0050	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	6.58	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0051		Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0041)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0052	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	20.54	
		For Cracks Accessible From Both Sides, Add	*4.23*	
03 01 30 71-0053		Structural Crack Repair For Concrete *(03 01 30 71-0040)*		
03 01 30 71-0054		Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0053)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0055	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	4.50	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0056	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	6.78	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0057	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	4.29	
		For V-Grooving Crack With Grinder, Add	*2.56*	
03 01 30 71-0058	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	6.36	
		For V-Grooving Crack With Grinder, Add	*2.50*	
03 01 30 71-0059	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	6.03	
		For V-Grooving Crack With Grinder, Add	*2.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0060	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.85	
		For V-Grooving Crack With Grinder, Add	*2.50*	

03 01 30 71-0061 Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0053)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0062	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	16.36	
		For Cracks Accessible From Both Sides, Add	*4.23*	
03 01 30 71-0063	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	16.15	
		For Cracks Accessible From Both Sides, Add	*4.23*	

03 01 30 72 Strengthening Of Cast-in-Place Concrete *(03 01 30)*

03 01 30 72-0001 Concrete Surface Repairs *(03 01 30 72)*

03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.20	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001 Concrete Admixtures *(03 05 13)*

03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	6.59	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	4.56	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	7.09	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	14.19	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	12.67	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	25.33	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	5.47	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	10.67	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.60	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	15.20	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.07	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	12.16	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	10.81	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	16.21	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	42.30	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	81.06	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	30.40	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	16.21	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	16.21	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	32.97	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	54.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	105.49	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	146.52	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	4.57	
		For <1,000, Add	*0.79*	
		For Foundations >8' Below Grade, Add	*0.73*	
		For Curved Formwork, Add	*1.45*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	5.34	
		For <1,000, Add	*0.94*	
		For Foundations >8' Below Grade, Add	*0.87*	
		For Curved Formwork, Add	*1.74*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	5.84	
		For <1,000, Add	*1.06*	
		For Foundations >8' Below Grade, Add	*1.01*	
		For Curved Formwork, Add	*2.02*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	4.95	
		For <1,000, Add	*0.88*	
		For Foundations >8' Below Grade, Add	*0.83*	
		For Curved Formwork, Add	*1.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	7.11	
		For <1,000, Add	*1.26*	
		For Foundations >8' Below Grade, Add	*1.18*	
		For Curved Formwork, Add	*2.36*	
03 11 13 00-0008		**Slab Edge And Block-Out Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	3.34	
		For Foundations >8' Below Grade, Add	*0.57*	
		For Curved Formwork, Add	*1.14*	
		For Up To 250, Add	*0.60*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	5.01	
		For Foundations >8' Below Grade, Add	*0.81*	
		For Curved Formwork, Add	*1.61*	
		For Up To 250, Add	*0.87*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	6.22	
		For Foundations >8' Below Grade, Add	*1.03*	
		For Curved Formwork, Add	*2.07*	
		For <1,000, Add	*1.10*	
03 11 13 00-0012		**Column Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	27.06	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	39.57	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	48.70	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	67.98	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	96.87	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	126.22	
03 11 13 00-0019		**Above Grade Wall Wood Formwork** *(03 11 13 00-0001)*		
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	7.85	
		For Curved Formwork, Add	*2.65*	
		For <1,000, Add	*1.41*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	9.29	
		For Curved Formwork, Add	*3.14*	
		For <1,000, Add	*1.67*	
03 11 13 00-0022		**Elevated Beam Wood Formwork** *(03 11 13 00-0001)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	10.42	
		For Curved Formwork, Add	*3.47*	
		For <1,000, Add	*1.85*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	6.45	
		For Curved Formwork, Add	*2.20*	
		For <1,000, Add	*1.16*	
03 11 13 00-0025		**Elevated Slab Wood Formwork** *(03 11 13 00-0001)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork	6.59	
		For <1,000, Add	*1.11*	
03 11 13 00-0027		**Metal Framed Formwork** *(03 11 13)* Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)* Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	5.01	
		For <1,000, Add	*0.80*	
		For Foundations >8' Below Grade, Add	*0.69*	
		For Curved Formwork, Add	*1.38*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	5.43	
		For <1,000, Add	*0.88*	
		For Foundations >8' Below Grade, Add	*0.77*	
		For Curved Formwork, Add	*1.54*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	6.29	
		For <1,000, Add	*0.99*	
		For Foundations >8' Below Grade, Add	*0.86*	
		For Curved Formwork, Add	*1.72*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	5.34	
		For <1,000, Add	*0.84*	
		For Foundations >8' Below Grade, Add	*0.73*	
		For Curved Formwork, Add	*1.45*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork. Note: Excludes footing.	7.68	
		For <1,000, Add	*1.25*	
		For Foundations >8' Below Grade, Add	*1.11*	
		For Curved Formwork, Add	*2.22*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	2.73	
		For Foundations >8' Below Grade, Add	*0.50*	
		For Curved Formwork, Add	*1.01*	
		For <250, Add	*0.52*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	3.48	
		For Foundations >8' Below Grade, Add	*0.63*	
		For Curved Formwork, Add	*1.25*	
		For <250, Add	*0.65*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	3.88	
		For Foundations >8' Below Grade, Add	*0.70*	
		For Curved Formwork, Add	*1.39*	
		For <1,000, Add	*0.72*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	32.30
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	39.69
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	47.08
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	55.93
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	67.74
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	81.93
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	105.56
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	131.08

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	49.45
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	53.63
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	60.04
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	67.27
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	77.66
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	87.64
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	120.35
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	173.61

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	5.52	
		For Curved Formwork, Add	*1.36*	
		For <1,000, Add	*0.82*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	6.89	
		For Curved Formwork, Add	*1.65*	
		For <1,000, Add	*1.01*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	5.71	
		For Curved Formwork, Add	*1.30*	
		For <1,000, Add	*0.81*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	4.24	
		For Curved Formwork, Add	*1.01*	
		For <1,000, Add	*0.62*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	8.85	
		For <1,000, Add	*1.13*	

03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	10.74	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*1.07*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	11.59	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*1.16*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	13.06	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*1.31*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	17.53	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*1.75*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	20.33	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*2.03*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	23.04	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	25.48	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*2.55*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	30.82	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*3.08*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	32.20	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*3.22*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	33.88	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*3.39*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	35.74	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*3.57*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	37.59	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*3.76*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	39.46	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*3.95*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	47.59	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*4.76*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	87.00	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*8.70*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	110.19	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*11.02*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	216.89	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*21.69*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	243.33	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*24.33*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	1.12

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	1.18
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	1.41
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	1.62

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	6.99

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	7.83
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.28
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	12.51
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	15.66
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.60
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	56.86

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	3.19
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	3.71
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	4.80

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	9.50
		For Curved Formwork, Add	*3.47*
		For <1,000, Add	*1.79*
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	18.90
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.	
		For Curved Formwork, Add	*6.75*
		For <1,000, Add	*3.51*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 23 00-0004		Stairway Metal Framed Formwork *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	8.73	
		For Curved Formwork, Add	*2.91*	
		For <1,000, Add	*1.55*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	15.75	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*5.36*	
		For <1,000, Add	*2.84*	

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.07	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.95	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.79	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	8.85	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	15.97	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.03	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	8.35	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	17.93	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	13.04	

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	5.61	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	6.73	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	6.65	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	10.01	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	7.40	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	10.27	

03 15 13 16 Expanding Waterstops *(03 15 13)*

03 15 13 16-0001 Bentonite Waterstops *(03 15 13 16)*

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	4.99	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	8.47	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	9.72	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	11.45	

03 15 16 Concrete Construction Joints *(03 15)*

03 15 16 00-0001 Poured Expansion Joint *(03 15 16)*

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.32	0.44
		For Installation In Walls, Add	*0.74*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	6.49	0.44
		For Installation In Walls, Add	*0.83*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.90	0.44
		For Installation In Walls, Add	*0.74*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.76	0.44
		For Installation In Walls, Add	*0.83*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	4.64	0.44
		For Installation In Walls, Add	*0.83*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	8.84	0.44
		For Installation In Walls, Add	*1.35*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	2.71	0.44
		For Installation In Walls, Add	*0.74*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.60	0.44
		For Installation In Walls, Add	*0.74*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	11.09	0.44
		For Installation In Walls, Add	*0.83*	

03 15 16 00-0011 Premolded Expansion Joints *(03 15 16)*

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints *(03 15 16 00-0011)*

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.28	0.51
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.65	0.54
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.83	0.56
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.04	0.59
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.58	0.51
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.88	0.54
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.27	0.56
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.86	0.59
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.34	0.49
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.53	0.51
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.76	0.54
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.95	0.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.20	0.59
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.60	0.62
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	2.88	0.64
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.43	0.67
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.78	0.54
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.25	0.56
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.04	0.62
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	6.09	0.85
03 15 16 00-0033		**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	3.44	0.54
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.93	0.59
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	4.38	0.62
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	6.97	0.64
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	7.48	0.67
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	7.85	0.85
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	9.60	0.85
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	10.41	0.85
03 15 16 00-0042		**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.45	0.54
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.51	0.56
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.61	0.59
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.14	0.62
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.55	0.54
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.62	0.56
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.67	0.59
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	1.97	0.62
03 15 16 00-0051		**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	1.49	0.54
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	1.71	0.56
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	1.96	0.62
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	3.12	0.51
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	3.75	0.51
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	0.68	0.39
		>1,250, Deduct	*-0.03*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	0.60	0.39
		>1,250, Deduct	*-0.03*	
03 15 16 00-0061		**Keyed Cold Expansion And Control Joints** *(03 15 16)*		
03 15 16 00-0062		**24 Gauge Galvanized Steel With Stakes** *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	3.25	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	3.35	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	3.50	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	3.79	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	5.15	
03 15 16 00-0068		**Expansion Control Systems** *(03 15 16)*		
03 15 16 00-0069		**Wabo Jeene "FW" Traffic Series Expansion Control System** *(03 15 16 00-0068)*		
		Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System	78.27	3.13
		Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System	98.88	3.56
		Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System	115.67	3.93
		Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System	140.19	4.34
		Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System	180.82	4.76
		Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System	216.79	5.12
		Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	372.43	5.54

03 15 16 00-0077 Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System *(03 15 16 00-0068)*

Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.

03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	159.41	4.13
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	197.94	5.16
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	250.38	6.19
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	115.49	4.13
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	151.45	5.16
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	206.46	6.19

03 15 16 00-0084 Emseal Seismic Colorseal Expansion Joint System *(03 15 16 00-0068)*

Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.

03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	48.51	2.09
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	76.26	2.41
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	109.27	2.72
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	137.61	2.98
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	171.93	3.29
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	214.78	3.61
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	260.23	3.93
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	301.05	4.19
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	343.89	4.50

03 15 16 00-0094 Emseal Thermaflex Watertight Expansion Joint System *(03 15 16 00-0068)*

Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.

03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	85.01	3.10
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	88.90	3.61
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	470.08	10.32

03 15 19 Cast-In Concrete Anchors *(03 15)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	10.53	
		For Galvanized, Add	*3.80*	
		For Stainless Steel, Add	*26.57*	
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.97*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.83	
		For Galvanized, Add	*4.84*	
		For Stainless Steel, Add	*33.85*	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.12*	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.74	
		For Galvanized, Add	*6.66*	
		For Stainless Steel, Add	*46.62*	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.35*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.82	
		For Galvanized, Add	*8.70*	
		For Stainless Steel, Add	*60.90*	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.55*	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.96	
		For Galvanized, Add	*11.62*	
		For Stainless Steel, Add	*81.31*	
		For >10 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.91*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.65	
		For Galvanized, Add	*13.28*	
		For Stainless Steel, Add	*92.93*	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.15*	

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.46	
		For Galvanized, Add	*13.18*	
		For Stainless Steel, Add	*92.26*	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.14*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	35.29	
		For Galvanized, Add	*15.37*	
		For Stainless Steel, Add	*107.56*	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.45*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.49	
		For Galvanized, Add	*19.68*	
		For Stainless Steel, Add	*137.76*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-2.99*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.35	
		For Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*173.60*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.63*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	41.17	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.83*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	49.01	
		For Galvanized, Add	*21.58*	
		For Stainless Steel, Add	*151.03*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.33*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.36	
		For Galvanized, Add	*28.76*	
		For Stainless Steel, Add	*201.32*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	52.47	
		For Galvanized, Add	*23.31*	
		For Stainless Steel, Add	*163.14*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	62.93	
		For Galvanized, Add	*28.05*	
		For Stainless Steel, Add	*196.32*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.17*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.53	
		For Galvanized, Add	*35.16*	
		For Stainless Steel, Add	*246.12*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.16*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.18	
		For Galvanized, Add	*42.96*	
		For Stainless Steel, Add	*300.72*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-3.17*	
		For >100, Deduct	*-6.35*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.70	
		For Galvanized, Add	*29.14*	
		For Stainless Steel, Add	*203.95*	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.64	
		For Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*245.46*	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.01*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.92	
		For Galvanized, Add	*43.96*	
		For Stainless Steel, Add	*307.69*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.20*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	118.66	
		For Galvanized, Add	*53.70*	
		For Stainless Steel, Add	*375.90*	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-3.81*	
		For >100, Deduct	*-7.62*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	79.96	
		For Galvanized, Add	*36.42*	
		For Stainless Steel, Add	*254.91*	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.07*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.99	
		For Galvanized, Add	*43.84*	
		For Stainless Steel, Add	*306.85*	
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.05*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	119.89	
		For Galvanized, Add	*54.96*	
		For Stainless Steel, Add	*384.69*	
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.49*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	146.71	
		For Galvanized, Add	*67.12*	
		For Stainless Steel, Add	*469.81*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-4.60*	
		For >100, Deduct	*-9.21*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	99.04	
		For Galvanized, Add	*45.52*	
		For Stainless Steel, Add	*318.64*	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	118.91	
		For Galvanized, Add	*54.79*	
		For Stainless Steel, Add	*383.53*	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.35*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	148.61	
		For Galvanized, Add	*68.71*	
		For Stainless Steel, Add	*480.94*	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-4.56*	
		For >100, Deduct	*-9.11*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	181.80	
		For Galvanized, Add	*83.91*	
		For Stainless Steel, Add	*587.34*	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-11.19*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.71	
		For Galvanized, Add	*10.08*	
		For Stainless Steel, Add	*70.53*	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.92*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	30.02	
		For Galvanized, Add	*12.45*	
		For Stainless Steel, Add	*87.12*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.27*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.40	
		For Galvanized, Add	*14.27*	
		For Stainless Steel, Add	*99.89*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.48	
		For Galvanized, Add	*14.82*	
		For Stainless Steel, Add	*103.74*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.31	
		For Galvanized, Add	*15.55*	
		For Stainless Steel, Add	*108.85*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	30.12	
		For Galvanized, Add	*12.50*	
		For Stainless Steel, Add	*87.47*	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.28*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.97	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.63*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.22	
		For Galvanized, Add	*16.69*	
		For Stainless Steel, Add	*116.83*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.87	
		For Galvanized, Add	*17.33*	
		For Stainless Steel, Add	*121.31*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.38*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.68	
		For Galvanized, Add	*18.21*	
		For Stainless Steel, Add	*127.47*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.87*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.91	
		For Galvanized, Add	*16.03*	
		For Stainless Steel, Add	*112.18*	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.77*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.88	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.17*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.51	
		For Galvanized, Add	*20.15*	
		For Stainless Steel, Add	*141.05*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.12	
		For Galvanized, Add	*21.10*	
		For Stainless Steel, Add	*147.70*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.89*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.45	
		For Galvanized, Add	*22.10*	
		For Stainless Steel, Add	*154.67*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.26*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.61	
		For Galvanized, Add	*25.61*	
		For Stainless Steel, Add	*179.24*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.84*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.62	
		For Galvanized, Add	*29.97*	
		For Stainless Steel, Add	*209.76*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.73*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.99	
		For Galvanized, Add	*21.08*	
		For Stainless Steel, Add	*147.53*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.39	
		For Galvanized, Add	*23.59*	
		For Stainless Steel, Add	*165.13*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.28	
		For Galvanized, Add	*24.68*	
		For Stainless Steel, Add	*172.76*	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.13*	
		For >100, Deduct	*-4.25*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.18	
		For Galvanized, Add	*25.49*	
		For Stainless Steel, Add	*178.40*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.19*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.91	
		For Galvanized, Add	*29.83*	
		For Stainless Steel, Add	*208.78*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.03*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.37	
		For Galvanized, Add	*33.79*	
		For Stainless Steel, Add	*236.50*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.54*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.69	
		For Galvanized, Add	*38.15*	
		For Stainless Steel, Add	*267.02*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.81	
		For Galvanized, Add	*41.49*	
		For Stainless Steel, Add	*290.43*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.36*	
		For >100, Deduct	*-6.72*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.52	
		For Galvanized, Add	*44.43*	
		For Stainless Steel, Add	*311.01*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.38*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	112.22	
		For Galvanized, Add	*47.56*	
		For Stainless Steel, Add	*332.92*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-4.09*	
		For >100, Deduct	*-8.18*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	125.70	
		For Galvanized, Add	*52.59*	
		For Stainless Steel, Add	*368.10*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.36*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	71.94	
		For Galvanized, Add	*31.87*	
		For Stainless Steel, Add	*223.06*	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.83*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.85	
		For Galvanized, Add	*37.30*	
		For Stainless Steel, Add	*261.07*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.78*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.25	
		For Galvanized, Add	*42.23*	
		For Stainless Steel, Add	*295.58*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.38*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	106.75	
		For Galvanized, Add	*47.68*	
		For Stainless Steel, Add	*333.73*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.05*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	116.58	
		For Galvanized, Add	*51.88*	
		For Stainless Steel, Add	*363.13*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-3.88*	
		For >100, Deduct	*-7.75*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	125.76	
		For Galvanized, Add	*55.55*	
		For Stainless Steel, Add	*388.85*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-8.49*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	136.97	
		For Galvanized, Add	*59.94*	
		For Stainless Steel, Add	*419.55*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-4.71*	
		For >100, Deduct	*-9.41*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	152.01	
		For Galvanized, Add	*65.74*	
		For Stainless Steel, Add	*460.18*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-5.34*	
		For >100, Deduct	*-10.68*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.67	
		For Galvanized, Add	*44.17*	
		For Stainless Steel, Add	*309.19*	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.45	
		For Galvanized, Add	*46.33*	
		For Stainless Steel, Add	*324.28*	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-3.40*	
		For >100, Deduct	*-6.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.01	
		For Galvanized, Add	*50.97*	
		For Stainless Steel, Add	*356.79*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-3.76*	
		For >100, Deduct	*-7.51*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	124.21	
		For Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*389.83*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-4.07*	
		For >100, Deduct	*-8.14*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.51	
		For Galvanized, Add	*60.41*	
		For Stainless Steel, Add	*422.87*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-4.39*	
		For >100, Deduct	*-8.78*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	145.71	
		For Galvanized, Add	*64.96*	
		For Stainless Steel, Add	*454.72*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-4.83*	
		For >100, Deduct	*-9.65*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	159.20	
		For Galvanized, Add	*70.27*	
		For Stainless Steel, Add	*491.89*	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-5.38*	
		For >100, Deduct	*-10.76*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	178.67	
		For Galvanized, Add	*77.93*	
		For Stainless Steel, Add	*545.51*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-6.18*	
		For >100, Deduct	*-12.36*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.17	
		For Galvanized, Add	*66.46*	
		For Stainless Steel, Add	*465.19*	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-4.35*	
		For >100, Deduct	*-8.70*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.20	
		For Galvanized, Add	*67.90*	
		For Stainless Steel, Add	*475.30*	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-4.54*	
		For >100, Deduct	*-9.07*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	150.05	
		For Galvanized, Add	*68.99*	
		For Stainless Steel, Add	*482.93*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-4.66*	
		For >100, Deduct	*-9.31*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	172.20	
		For Galvanized, Add	*79.69*	
		For Stainless Steel, Add	*557.80*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-5.27*	
		For >100, Deduct	*-10.53*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	198.63	
		For Galvanized, Add	*91.99*	
		For Stainless Steel, Add	*643.90*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-6.07*	
		For >100, Deduct	*-12.13*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	203.49	
		For Galvanized, Add	*93.20*	
		For Stainless Steel, Add	*652.37*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-6.37*	
		For >100, Deduct	*-12.74*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	221.81	
		For Galvanized, Add	*100.64*	
		For Stainless Steel, Add	*704.48*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-7.09*	
		For >100, Deduct	*-14.17*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	242.44	
		For Galvanized, Add	*108.40*	
		For Stainless Steel, Add	*758.77*	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-7.98*	
		For >100, Deduct	*-15.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	214.39	
		For Galvanized, Add	*101.16*	
		For Stainless Steel, Add	*708.12*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-6.27*	
		For >100, Deduct	*-12.53*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	232.42	
		For Galvanized, Add	*109.37*	
		For Stainless Steel, Add	*765.56*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-6.84*	
		For >100, Deduct	*-13.67*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	254.20	
		For Galvanized, Add	*119.21*	
		For Stainless Steel, Add	*834.44*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-7.54*	
		For >100, Deduct	*-15.08*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	271.15	
		For Galvanized, Add	*126.25*	
		For Stainless Steel, Add	*883.72*	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-8.18*	
		For >100, Deduct	*-16.36*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	291.84	
		For Galvanized, Add	*135.66*	
		For Stainless Steel, Add	*949.59*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-8.84*	
		For >100, Deduct	*-17.67*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	312.52	
		For Galvanized, Add	*144.86*	
		For Stainless Steel, Add	*1,013.99*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-9.52*	
		For >100, Deduct	*-19.05*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	340.47	
		For Galvanized, Add	*155.57*	
		For Stainless Steel, Add	*1,088.99*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-10.71*	
		For >100, Deduct	*-21.42*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	371.39	
		For Galvanized, Add	*171.03*	
		For Stainless Steel, Add	*1,197.21*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-11.48*	
		For >100, Deduct	*-22.97*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	414.43	
		For Galvanized, Add	*190.12*	
		For Stainless Steel, Add	*1,330.81*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-25.85*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	461.57	
		For Galvanized, Add	*224.75*	
		For Stainless Steel, Add	*1,573.25*	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-12.44*	
		For >100, Deduct	*-24.89*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	483.54	
		For Galvanized, Add	*234.93*	
		For Stainless Steel, Add	*1,644.48*	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-13.12*	
		For >100, Deduct	*-26.23*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	525.32	
		For Galvanized, Add	*254.77*	
		For Stainless Steel, Add	*1,783.36*	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-14.32*	
		For >100, Deduct	*-28.63*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	555.65	
		For Galvanized, Add	*268.50*	
		For Stainless Steel, Add	*1,879.47*	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-15.29*	
		For >100, Deduct	*-30.58*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	586.30	
		For Galvanized, Add	*282.89*	
		For Stainless Steel, Add	*1,980.20*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-16.20*	
		For >100, Deduct	*-32.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	620.82	
		For Galvanized, Add	*299.01*	
		For Stainless Steel, Add	*2,093.04*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-17.23*	
		For >100, Deduct	*-34.46*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	660.34	
		For Galvanized, Add	*315.51*	
		For Stainless Steel, Add	*2,208.54*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-18.71*	
		For >100, Deduct	*-37.42*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	521.70	
		For Galvanized, Add	*254.44*	
		For Stainless Steel, Add	*1,781.05*	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-14.00*	
		For >100, Deduct	*-28.01*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	559.00	
		For Galvanized, Add	*272.17*	
		For Stainless Steel, Add	*1,905.19*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-15.07*	
		For >100, Deduct	*-30.15*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	597.23	
		For Galvanized, Add	*290.07*	
		For Stainless Steel, Add	*2,030.46*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-16.21*	
		For >100, Deduct	*-32.43*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	632.91	
		For Galvanized, Add	*306.19*	
		For Stainless Steel, Add	*2,143.33*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-17.36*	
		For >100, Deduct	*-34.73*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	670.42	
		For Galvanized, Add	*323.81*	
		For Stainless Steel, Add	*2,266.64*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-18.47*	
		For >100, Deduct	*-36.94*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	723.28	
		For Galvanized, Add	*348.82*	
		For Stainless Steel, Add	*2,441.71*	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-20.01*	
		For >100, Deduct	*-40.01*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	770.19	
		For Galvanized, Add	*368.00*	
		For Stainless Steel, Add	*2,575.97*	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-21.82*	
		For >100, Deduct	*-43.64*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.55	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.03	
		For Up To 100, Add	*1.68*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.57	
		For Up To 100, Add	*0.46*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.50	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.59	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.84*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.92	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.06*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.62*	
		For >200 To 300, Add	*0.81*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.02	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*1.98*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.91	
		For Up To 100, Add	*5.44*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.40*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	17.29	
		For Up To 100, Add	*9.58*	
		For >100 To 200, Add	*4.92*	
		For >200 To 300, Add	*2.46*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.12*	
		For >200 To 400, Add	*0.54*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.91	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.90	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.10	
		For Up To 100, Add	*3.31*	
		For >100 To 200, Add	*1.71*	
		For >200 To 300, Add	*0.86*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.40	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.09*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	10.46	
		For Up To 100, Add	*5.77*	
		For >100 To 200, Add	*2.97*	
		For >200 To 300, Add	*1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	18.26	
		For Up To 100, Add	*10.16*	
		For >100 To 200, Add	*5.21*	
		For >200 To 300, Add	*2.61*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.61	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.29	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.03	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.10*	
		For >200 To 400, Add	*0.53*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.42*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.84	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.02	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.69*	
		For >200 To 300, Add	*0.85*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.30	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	10.32	
		For Up To 100, Add	*5.69*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	18.02	
		For Up To 100, Add	*10.02*	
		For >100 To 200, Add	*5.14*	
		For >200 To 300, Add	*2.57*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.56	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.58	
		For Up To 100, Add	*0.46*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	2.15	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.60	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.86*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	2.99	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.08*	
		For >200 To 400, Add	*0.52*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	3.80	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	5.90	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.64*	
		For >200 To 300, Add	*0.82*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	7.14	
		For Up To 100, Add	*3.86*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	10.08	
		For Up To 100, Add	*5.49*	
		For >100 To 200, Add	*2.84*	
		For >200 To 300, Add	*1.42*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	17.55	
		For Up To 100, Add	*9.66*	
		For >100 To 200, Add	*4.97*	
		For >200 To 300, Add	*2.49*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	2.36	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	3.14	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.14*	
		For >200 To 400, Add	*0.55*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.46*	
		For >200 To 400, Add	*0.71*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	5.00	
		For Up To 100, Add	*3.31*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	6.21	
		For Up To 100, Add	*3.35*	
		For >100 To 200, Add	*1.74*	
		For >200 To 300, Add	*0.87*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	7.52	
		For Up To 100, Add	*4.09*	
		For >100 To 200, Add	*2.11*	
		For >200 To 300, Add	*1.06*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	10.63	
		For Up To 100, Add	*5.82*	
		For >100 To 200, Add	*3.00*	
		For >200 To 300, Add	*1.50*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	18.52	
		For Up To 100, Add	*10.24*	
		For >100 To 200, Add	*5.27*	
		For >200 To 300, Add	*2.63*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.62	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.10	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.34	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.12*	
		For >200 To 400, Add	*0.54*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.95	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.94	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.13	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.71*	
		For >200 To 300, Add	*0.86*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.42	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.08*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	10.49	
		For Up To 100, Add	*5.74*	
		For >100 To 200, Add	*2.96*	
		For >200 To 300, Add	*1.48*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	18.28	
		For Up To 100, Add	*10.10*	
		For >100 To 200, Add	*5.19*	
		For >200 To 300, Add	*2.60*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.52	
		For Up To 100, Add	*0.42*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.38	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.54	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.01	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.56	
		For Up To 100, Add	*0.46*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	0.98	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	1.50	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.82*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*1.03*	
		For >200 To 400, Add	*0.50*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	4.50	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	5.61	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.02*	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.59*	
		For >200 To 300, Add	*0.79*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	6.83	
		For Up To 100, Add	*4.68*	
		For >100 To 200, Add	*2.57*	
		For >200 To 400, Add	*1.26*	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	9.66	
		For Up To 100, Add	*6.67*	
		For >100 To 200, Add	*3.65*	
		For >200 To 400, Add	*1.79*	
		For Up To 100, Add	*5.37*	
		For >100 To 200, Add	*2.76*	
		For >200 To 300, Add	*1.38*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	16.89	
		For Up To 100, Add	*11.77*	
		For >100 To 200, Add	*6.42*	
		For >200 To 400, Add	*3.15*	
		For Up To 100, Add	*9.46*	
		For >100 To 200, Add	*4.84*	
		For >200 To 300, Add	*2.42*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	2.22	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.39*	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.81*	
		For >200 To 400, Add	*0.39*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.96	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.09*	
		For >200 To 400, Add	*0.53*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.55*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	5.92	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.68*	
		For >200 To 300, Add	*0.84*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	7.21	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.05*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	10.21	
		For Up To 100, Add	*5.70*	
		For >100 To 200, Add	*2.92*	
		For >200 To 300, Add	*1.46*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	17.86	
		For Up To 100, Add	*10.04*	
		For >100 To 200, Add	*5.13*	
		For >200 To 300, Add	*2.57*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.58	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.85*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.20	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.92	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.08*	
		For >200 To 400, Add	*0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.52*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.68	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.84	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.65*	
		For >200 To 300, Add	*0.83*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.02*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.07	
		For Up To 100, Add	*5.61*	
		For >100 To 200, Add	*2.88*	
		For >200 To 300, Add	*1.44*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	17.62	
		For Up To 100, Add	*9.90*	
		For >100 To 200, Add	*5.06*	
		For >200 To 300, Add	*2.53*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.51	
		For Up To 100, Add	*0.42*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.14*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.53	
		For Up To 100, Add	*0.44*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.41	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.98	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.55	
		For Up To 100, Add	*0.46*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.09	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*1.03*	
		For >200 To 400, Add	*0.50*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.45	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.05*	
		For >100 To 200, Add	*1.57*	
		For >200 To 300, Add	*0.79*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.76	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*1.92*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	9.57	
		For Up To 100, Add	*5.34*	
		For >100 To 200, Add	*2.74*	
		For >200 To 300, Add	*1.37*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	16.76	
		For Up To 100, Add	*9.42*	
		For >100 To 200, Add	*4.82*	
		For >200 To 300, Add	*2.41*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.91*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.93	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.09*	
		For >200 To 400, Add	*0.53*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.69	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.86	
		For Up To 100, Add	*3.24*	
		For >100 To 200, Add	*1.67*	
		For >200 To 300, Add	*0.83*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.14	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*5.67*	
		For >100 To 200, Add	*2.90*	
		For >200 To 300, Add	*1.45*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	17.73	
		For Up To 100, Add	*10.00*	
		For >100 To 200, Add	*5.11*	
		For >200 To 300, Add	*2.55*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.57	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.85*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.89	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.07*	
		For >200 To 400, Add	*0.52*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.63	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.78	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.64*	
		For >200 To 300, Add	*0.82*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.04	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.98	
		For Up To 100, Add	*5.59*	
		For >100 To 200, Add	*2.86*	
		For >200 To 300, Add	*1.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	17.49	
		For Up To 100, Add	*9.86*	
		For >100 To 200, Add	*5.04*	
		For >200 To 300, Add	*2.52*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.49	
		For Up To 100, Add	*0.41*	
		For >100 To 200, Add	*0.21*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.85	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.51	
		For Up To 100, Add	*0.43*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.53	
		For Up To 100, Add	*0.45*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.03	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*1.01*	
		For >200 To 400, Add	*0.49*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.30*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.36	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.44	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.55*	
		For >200 To 300, Add	*0.78*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.62	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*1.90*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.41	
		For Up To 100, Add	*5.29*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.35*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	16.50	
		For Up To 100, Add	*9.34*	
		For >100 To 200, Add	*4.76*	
		For >200 To 300, Add	*2.38*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.07*	
		For >200 To 400, Add	*0.52*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.65	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.60	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.74*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.64*	
		For >200 To 300, Add	*0.82*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.00	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	9.96	
		For Up To 100, Add	*5.62*	
		For >100 To 200, Add	*2.87*	
		For >200 To 300, Add	*1.44*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	17.47	
		For Up To 100, Add	*9.92*	
		For >100 To 200, Add	*5.06*	
		For >200 To 300, Add	*2.53*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.55	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*1.91*	
		For >100 To 200, Add	*1.05*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.61	
		For Up To 100, Add	*2.47*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.54	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.67	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.62*	
		For >200 To 300, Add	*0.81*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.90	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*1.98*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	9.82	
		For Up To 100, Add	*5.54*	
		For >100 To 200, Add	*2.83*	
		For >200 To 300, Add	*1.41*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	17.23	
		For Up To 100, Add	*9.78*	
		For >100 To 200, Add	*4.98*	
		For >200 To 300, Add	*2.49*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.48	
		For Up To 100, Add	*0.41*	
		For >100 To 200, Add	*0.21*	
		For >200 To 500, Add	*0.08*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.84	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.50	
		For Up To 100, Add	*0.43*	
		For >100 To 200, Add	*0.22*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.33	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.52	
		For Up To 100, Add	*0.45*	
		For >100 To 200, Add	*0.23*	
		For >200 To 500, Add	*0.09*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*1.00*	
		For >200 To 400, Add	*0.49*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	4.31	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	5.38	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.54*	
		For >200 To 300, Add	*0.77*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*1.88*	
		For >200 To 300, Add	*0.94*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	9.33	
		For Up To 100, Add	*5.27*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.34*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	16.37	
		For Up To 100, Add	*9.30*	
		For >100 To 200, Add	*4.74*	
		For >200 To 300, Add	*2.37*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.06*	
		For >200 To 400, Add	*0.52*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	3.61	
		For Up To 100, Add	*2.49*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	4.55	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	5.69	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.63*	
		For >200 To 300, Add	*0.82*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	6.94	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	9.88	
		For Up To 100, Add	*5.60*	
		For >100 To 200, Add	*2.85*	
		For >200 To 300, Add	*1.43*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	17.34	
		For Up To 100, Add	*9.89*	
		For >100 To 200, Add	*5.03*	
		For >200 To 300, Add	*2.51*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.54	
		For Up To 100, Add	*0.47*	
		For >100 To 200, Add	*0.24*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.46	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.04*	
		For >200 To 400, Add	*0.51*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.49	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.61	
		For Up To 100, Add	*3.14*	
		For >100 To 200, Add	*1.61*	
		For >200 To 300, Add	*0.80*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.84	
		For Up To 100, Add	*3.85*	
		For >100 To 200, Add	*1.97*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	9.74	
		For Up To 100, Add	*5.51*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.41*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	17.10	
		For Up To 100, Add	*9.74*	
		For >100 To 200, Add	*4.96*	
		For >200 To 300, Add	*2.48*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	221.79

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	117.54

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	2.05
		For Up To 12" Length, Deduct	*-0.46*
		For >12" To <24" Length, Deduct	*-0.23*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.54
		For Up To 12" Length, Deduct	*-0.60*
		For >12" To <24" Length, Deduct	*-0.30*
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	3.46
		For Up To 12" Length, Deduct	*-0.95*
		For >12" To <24" Length, Deduct	*-0.48*
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	4.59
		For Up To 12" Length, Deduct	*-1.38*
		For >12" To <24" Length, Deduct	*-0.69*
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	5.90
		For Up To 12" Length, Deduct	*-1.92*
		For >12" To <24" Length, Deduct	*-0.96*
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	7.52
		For Up To 12" Length, Deduct	*-2.46*
		For >12" To <24" Length, Deduct	*-1.23*
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	9.08
		For Up To 12" Length, Deduct	*-3.03*
		For >12" To <24" Length, Deduct	*-1.51*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	11.54	
		For Up To 12" Length, Deduct	*-3.96*	
		For >12" To <24" Length, Deduct	*-1.98*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	14.02	
		For Up To 12" Length, Deduct	*-4.89*	
		For >12" To <24" Length, Deduct	*-2.44*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	2,500.16	
		For Grade 75, Add	*127.56*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	2,480.98	
		For Grade 75, Add	*127.56*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	2,466.35	
		For Grade 75, Add	*127.56*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	2,442.41	
		For Grade 75, Add	*127.56*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	2,410.05	
		For Grade 75, Add	*127.56*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	2,419.87	
		For Grade 75, Add	*130.70*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	2,392.79	
		For Grade 75, Add	*130.70*	

03 21 11 00-0258 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0259 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0258)*

03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	46.38
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice	78.27

03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0258)*

03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	24.02
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	43.75
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	72.84

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.69*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.41*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.30	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.01	
		For Up To 100, Add	*1.74*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.83	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.94	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.46*	
		For >200 To 400, Add	*0.71*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.03	
		For Up To 100, Add	*3.43*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.92*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.32	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.38*	
		For >200 To 400, Add	*1.16*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.90	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.25*	
		For >200 To 300, Add	*1.13*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*5.38*	
		For >100 To 200, Add	*2.76*	
		For >200 To 300, Add	*1.38*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	13.66	
		For Up To 100, Add	*7.69*	
		For >100 To 200, Add	*3.93*	
		For >200 To 300, Add	*1.97*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	23.94	
		For Up To 100, Add	*13.57*	
		For >100 To 200, Add	*6.92*	
		For >200 To 300, Add	*3.46*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.05	
		For Up To 100, Add	*2.70*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.52*	
		For >200 To 400, Add	*0.74*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.22	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*1.96*	
		For >200 To 400, Add	*0.96*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.57	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.48*	
		For >200 To 400, Add	*1.21*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.20	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.34*	
		For >200 To 300, Add	*1.17*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.00	
		For Up To 100, Add	*5.61*	
		For >100 To 200, Add	*2.87*	
		For >200 To 300, Add	*1.44*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.20	
		For Up To 100, Add	*8.02*	
		For >100 To 200, Add	*4.09*	
		For >200 To 300, Add	*2.05*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	24.92	
		For Up To 100, Add	*14.16*	
		For >100 To 200, Add	*7.21*	
		For >200 To 300, Add	*3.61*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.00	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*1.14*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.76*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.88	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.79	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.99	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.72*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.11	
		For Up To 100, Add	*3.46*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.93*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*4.38*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.17*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.01	
		For Up To 100, Add	*4.43*	
		For >100 To 200, Add	*2.28*	
		For >200 To 300, Add	*1.14*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.74	
		For Up To 100, Add	*5.42*	
		For >100 To 200, Add	*2.78*	
		For >200 To 300, Add	*1.39*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	13.83	
		For Up To 100, Add	*7.74*	
		For >100 To 200, Add	*3.96*	
		For >200 To 300, Add	*1.98*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	24.20	
		For Up To 100, Add	*13.65*	
		For >100 To 200, Add	*6.97*	
		For >200 To 300, Add	*3.48*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.14	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.75*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.30	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*1.98*	
		For >200 To 400, Add	*0.97*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.67	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.50*	
		For >200 To 400, Add	*1.22*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.31	
		For Up To 100, Add	*4.61*	
		For >100 To 200, Add	*2.37*	
		For >200 To 300, Add	*1.18*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*5.65*	
		For >100 To 200, Add	*2.89*	
		For >200 To 300, Add	*1.45*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	14.37	
		For Up To 100, Add	*8.07*	
		For >100 To 200, Add	*4.13*	
		For >200 To 300, Add	*2.06*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	25.18	
		For Up To 100, Add	*14.24*	
		For >100 To 200, Add	*7.26*	
		For >200 To 300, Add	*3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0057		**Footings, Galvanized Steel Reinforcement Bar** *(03 21 13)* Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.37*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*1.10*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.44*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.01	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.55*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.81	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.70*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.90	
		For Up To 100, Add	*3.39*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.16	
		For Up To 100, Add	*4.28*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.15*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.72	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.22*	
		For >200 To 300, Add	*1.11*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.43	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.41	
		For Up To 100, Add	*7.62*	
		For >100 To 200, Add	*3.88*	
		For >200 To 300, Add	*1.94*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	23.54	
		For Up To 100, Add	*13.45*	
		For >100 To 200, Add	*6.84*	
		For >200 To 300, Add	*3.42*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.96	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.54*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*2.73*	
		For >100 To 200, Add	*1.49*	
		For >200 To 400, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*3.53*	
		For >100 To 200, Add	*1.93*	
		For >200 To 400, Add	*0.95*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*4.47*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.20*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.02	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.31*	
		For >200 To 300, Add	*1.15*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.81	
		For Up To 100, Add	*5.55*	
		For >100 To 200, Add	*2.83*	
		For >200 To 300, Add	*1.42*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	13.95	
		For Up To 100, Add	*7.94*	
		For >100 To 200, Add	*4.04*	
		For >200 To 300, Add	*2.02*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	24.52	
		For Up To 100, Add	*14.04*	
		For >100 To 200, Add	*7.13*	
		For >200 To 300, Add	*3.57*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*1.10*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.54*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.70*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.86	
		For Up To 100, Add	*3.37*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.90*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.11	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.66	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.10*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.36	
		For Up To 100, Add	*5.30*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	13.32	
		For Up To 100, Add	*7.59*	
		For >100 To 200, Add	*3.86*	
		For >200 To 300, Add	*1.93*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	23.41	
		For Up To 100, Add	*13.41*	
		For >100 To 200, Add	*6.81*	
		For >200 To 300, Add	*3.41*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.93	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.49*	
		For >200 To 400, Add	*0.73*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.05	
		For Up To 100, Add	*3.52*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.94*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.36	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.19*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.96	
		For Up To 100, Add	*4.50*	
		For >100 To 200, Add	*2.30*	
		For >200 To 300, Add	*1.15*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.74	
		For Up To 100, Add	*5.53*	
		For >100 To 200, Add	*2.82*	
		For >200 To 300, Add	*1.41*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.86	
		For Up To 100, Add	*7.91*	
		For >100 To 200, Add	*4.02*	
		For >200 To 300, Add	*2.01*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	24.39	
		For Up To 100, Add	*14.00*	
		For >100 To 200, Add	*7.11*	
		For >200 To 300, Add	*3.55*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*1.05*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.68*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.65	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*1.13*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.71	
		For Up To 100, Add	*2.58*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.69*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.77	
		For Up To 100, Add	*3.34*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.90*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.02	
		For Up To 100, Add	*4.24*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.13*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.55	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.18*	
		For >200 To 300, Add	*1.09*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.22	
		For Up To 100, Add	*5.26*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.16	
		For Up To 100, Add	*7.54*	
		For >100 To 200, Add	*3.83*	
		For >200 To 300, Add	*1.92*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	23.15	
		For Up To 100, Add	*13.33*	
		For >100 To 200, Add	*6.76*	
		For >200 To 300, Add	*3.38*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.87	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.47*	
		For >200 To 400, Add	*0.72*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.48*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.93*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.27	
		For Up To 100, Add	*4.42*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.18*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.85	
		For Up To 100, Add	*4.47*	
		For >100 To 200, Add	*2.27*	
		For >200 To 300, Add	*1.14*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.60	
		For Up To 100, Add	*5.49*	
		For >100 To 200, Add	*2.79*	
		For >200 To 300, Add	*1.40*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.70	
		For Up To 100, Add	*7.87*	
		For >100 To 200, Add	*3.99*	
		For >200 To 300, Add	*2.00*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	24.13	
		For Up To 100, Add	*13.92*	
		For >100 To 200, Add	*7.05*	
		For >200 To 300, Add	*3.53*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.66	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*1.05*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.21*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.62*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.55	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.67*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.49*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*1.13*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.74*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.35*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.69*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.73	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.89*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.97	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.13*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.49	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.17*	
		For >200 To 300, Add	*1.09*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	9.16	
		For Up To 100, Add	*5.24*	
		For >100 To 200, Add	*2.66*	
		For >200 To 300, Add	*1.33*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.08	
		For Up To 100, Add	*7.52*	
		For >100 To 200, Add	*3.81*	
		For >200 To 300, Add	*1.91*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	23.02	
		For Up To 100, Add	*13.29*	
		For >100 To 200, Add	*6.73*	
		For >200 To 300, Add	*3.37*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.46*	
		For >200 To 400, Add	*0.72*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.92	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.89*	
		For >200 To 400, Add	*0.93*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.22	
		For Up To 100, Add	*4.41*	
		For >100 To 200, Add	*2.39*	
		For >200 To 400, Add	*1.18*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.79	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*5.47*	
		For >100 To 200, Add	*2.78*	
		For >200 To 300, Add	*1.39*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar		13.62	
		For Up To 100, Add		*7.84*	
		For >100 To 200, Add		*3.98*	
		For >200 To 300, Add		*1.99*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar		24.00	
		For Up To 100, Add		*13.88*	
		For >100 To 200, Add		*7.03*	
		For >200 To 300, Add		*3.51*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		0.71	
		For Up To 100, Add		*0.60*	
		For >100 To 200, Add		*0.31*	
		For >200 To 500, Add		*0.12*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.23	
		For Up To 100, Add		*1.05*	
		For >100 To 200, Add		*0.54*	
		For >200 To 500, Add		*0.22*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.90	
		For Up To 100, Add		*1.63*	
		For >100 To 200, Add		*0.84*	
		For >200 To 500, Add		*0.34*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		2.68	
		For Up To 100, Add		*2.33*	
		For >100 To 200, Add		*1.19*	
		For >200 To 500, Add		*0.48*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		0.73	
		For Up To 100, Add		*0.62*	
		For >100 To 200, Add		*0.32*	
		For >200 To 500, Add		*0.13*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.26	
		For Up To 100, Add		*1.08*	
		For >100 To 200, Add		*0.56*	
		For >200 To 500, Add		*0.22*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.95	
		For Up To 100, Add		*1.68*	
		For >100 To 200, Add		*0.86*	
		For >200 To 500, Add		*0.35*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		2.75	
		For Up To 100, Add		*2.40*	
		For >100 To 200, Add		*1.23*	
		For >200 To 500, Add		*0.49*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		0.76	
		For Up To 100, Add		*0.65*	
		For >100 To 200, Add		*0.33*	
		For >200 To 500, Add		*0.13*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.31	
		For Up To 100, Add		*1.13*	
		For >100 To 200, Add		*0.58*	
		For >200 To 500, Add		*0.23*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		2.03	
		For Up To 100, Add		*1.76*	
		For >100 To 200, Add		*0.90*	
		For >200 To 500, Add		*0.36*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		2.86	
		For Up To 100, Add		*2.51*	
		For >100 To 200, Add		*1.28*	
		For >200 To 500, Add		*0.51*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		3.81	
		For Up To 100, Add		*2.57*	
		For >100 To 200, Add		*1.42*	
		For >200 To 400, Add		*0.69*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		4.89	
		For Up To 100, Add		*3.33*	
		For >100 To 200, Add		*1.83*	
		For >200 To 400, Add		*0.89*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		6.14	
		For Up To 100, Add		*4.21*	
		For >100 To 200, Add		*2.31*	
		For >200 To 400, Add		*1.13*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		7.67	
		For Up To 100, Add		*4.25*	
		For >100 To 200, Add		*2.19*	
		For >200 To 300, Add		*1.09*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		9.34	
		For Up To 100, Add		*5.21*	
		For >100 To 200, Add		*2.67*	
		For >200 To 300, Add		*1.34*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		13.25	
		For Up To 100, Add		*7.45*	
		For >100 To 200, Add		*3.81*	
		For >200 To 300, Add		*1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	23.22	
		For Up To 100, Add	*13.14*	
		For >100 To 200, Add	*6.70*	
		For >200 To 300, Add	*3.35*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.97	
		For Up To 100, Add	*2.62*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.72*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.93*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.39	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.41*	
		For >200 To 400, Add	*1.18*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.98	
		For Up To 100, Add	*4.44*	
		For >100 To 200, Add	*2.28*	
		For >200 To 300, Add	*1.14*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.72	
		For Up To 100, Add	*5.44*	
		For >100 To 200, Add	*2.79*	
		For >200 To 300, Add	*1.39*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.80	
		For Up To 100, Add	*7.78*	
		For >100 To 200, Add	*3.97*	
		For >200 To 300, Add	*1.99*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	24.19	
		For Up To 100, Add	*13.72*	
		For >100 To 200, Add	*6.99*	
		For >200 To 300, Add	*3.50*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*1.10*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.80	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.07	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.37*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.70*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.97	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.90*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.24	
		For Up To 100, Add	*4.24*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.14*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.78	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.10*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.46	
		For Up To 100, Add	*5.25*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	13.42	
		For Up To 100, Add	*7.50*	
		For >100 To 200, Add	*3.84*	
		For >200 To 300, Add	*1.92*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	23.48	
		For Up To 100, Add	*13.22*	
		For >100 To 200, Add	*6.75*	
		For >200 To 300, Add	*3.38*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.64*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.03	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.49*	
		For >200 To 400, Add	*0.73*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.16	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.94*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.49	
		For Up To 100, Add	*4.43*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.19*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.09	
		For Up To 100, Add	*4.47*	
		For >100 To 200, Add	*2.30*	
		For >200 To 300, Add	*1.15*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.84	
		For Up To 100, Add	*5.48*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.41*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	13.97	
		For Up To 100, Add	*7.83*	
		For >100 To 200, Add	*4.01*	
		For >200 To 300, Add	*2.00*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	24.45	
		For Up To 100, Add	*13.80*	
		For >100 To 200, Add	*7.04*	
		For >200 To 300, Add	*3.52*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.19	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.59	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.73*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.47*	
		For >100 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.50*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.68*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.80*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.98	
		For Up To 100, Add	*4.15*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.49	
		For Up To 100, Add	*4.20*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.15	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.32*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	13.00	
		For Up To 100, Add	*7.37*	
		For >100 To 200, Add	*3.76*	
		For >200 To 300, Add	*1.88*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	22.82	
		For Up To 100, Add	*13.02*	
		For >100 To 200, Add	*6.62*	
		For >200 To 300, Add	*3.31*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.88	
		For Up To 100, Add	*2.58*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.85	
		For Up To 100, Add	*2.64*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.71*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.95	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.92*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.23	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.37*	
		For >200 To 400, Add	*1.16*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.80	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.24*	
		For >200 To 300, Add	*1.12*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.53	
		For Up To 100, Add	*5.39*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.37*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	13.55	
		For Up To 100, Add	*7.70*	
		For >100 To 200, Add	*3.92*	
		For >200 To 300, Add	*1.96*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	23.79	
		For Up To 100, Add	*13.60*	
		For >100 To 200, Add	*6.91*	
		For >200 To 300, Add	*3.46*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*
Note: ASTM A-775 Epoxy Coated Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.52*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.68*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.72	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.93	
		For Up To 100, Add	*4.13*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.43	
		For Up To 100, Add	*4.18*	
		For >100 To 200, Add	*2.14*	
		For >200 To 300, Add	*1.07*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.08	
		For Up To 100, Add	*5.14*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	12.91	
		For Up To 100, Add	*7.34*	
		For >100 To 200, Add	*3.74*	
		For >200 To 300, Add	*1.87*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	22.69	
		For Up To 100, Add	*12.98*	
		For >100 To 200, Add	*6.60*	
		For >200 To 300, Add	*3.30*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.71*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.91	
		For Up To 100, Add	*3.41*	
		For >100 To 200, Add	*1.86*	
		For >200 To 400, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.18	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.16*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.74	
		For Up To 100, Add	*4.37*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.46	
		For Up To 100, Add	*5.36*	
		For >100 To 200, Add	*2.73*	
		For >200 To 300, Add	*1.37*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	13.46	
		For Up To 100, Add	*7.67*	
		For >100 To 200, Add	*3.90*	
		For >200 To 300, Add	*1.95*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	23.66	
		For Up To 100, Add	*13.56*	
		For >100 To 200, Add	*6.89*	
		For >200 To 300, Add	*3.44*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.65	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.50	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.62*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.57	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.67*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.63	
		For Up To 100, Add	*3.24*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.84	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.32	
		For Up To 100, Add	*4.15*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.94	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.30*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	12.75	
		For Up To 100, Add	*7.30*	
		For >100 To 200, Add	*3.71*	
		For >200 To 300, Add	*1.85*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	22.43	
		For Up To 100, Add	*12.90*	
		For >100 To 200, Add	*6.54*	
		For >200 To 300, Add	*3.27*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*2.54*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.42*	
		For >200 To 400, Add	*0.70*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.82	
		For Up To 100, Add	*3.38*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.91*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.09	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.15*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.63	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.10*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.32	
		For Up To 100, Add	*5.32*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	13.30	
		For Up To 100, Add	*7.63*	
		For >100 To 200, Add	*3.87*	
		For >200 To 300, Add	*1.94*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	23.40	
		For Up To 100, Add	*13.48*	
		For >100 To 200, Add	*6.83*	
		For >200 To 300, Add	*3.42*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.64	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.13	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.66	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.16	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.61*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.21	
		For Up To 100, Add	*1.09*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.69*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.65	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.67*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.59	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.09*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.26	
		For Up To 100, Add	*4.13*	
		For >100 To 200, Add	*2.10*	
		For >200 To 300, Add	*1.05*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.88	
		For Up To 100, Add	*5.08*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	12.67	
		For Up To 100, Add	*7.27*	
		For >100 To 200, Add	*3.69*	
		For >200 To 300, Add	*1.85*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	22.30	
		For Up To 100, Add	*12.86*	
		For >100 To 200, Add	*6.52*	
		For >200 To 300, Add	*3.26*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.71	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.70*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.78	
		For Up To 100, Add	*3.37*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.90*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.04	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.32*	
		For >200 To 400, Add	*1.14*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.57	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	9.26	
		For Up To 100, Add	*5.30*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	13.22	
		For Up To 100, Add	*7.60*	
		For >100 To 200, Add	*3.86*	
		For >200 To 300, Add	*1.93*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	23.27	
		For Up To 100, Add	*13.44*	
		For >100 To 200, Add	*6.81*	
		For >200 To 300, Add	*3.40*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete, 05 05 19 00-0181 for chemical adhesive.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.20	
		For Up To 12" Length, Deduct	*-0.64*	
		For >12" To <24" Length, Deduct	*-0.32*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.13	
		For Up To 12" Length, Deduct	*-0.97*	
		For >12" To <24" Length, Deduct	*-0.49*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.53	
		For Up To 12" Length, Deduct	*-1.45*	
		For >12" To <24" Length, Deduct	*-0.72*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.08	
		For Up To 12" Length, Deduct	*-1.92*	
		For >12" To <24" Length, Deduct	*-0.96*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	9.03	
		For Up To 12" Length, Deduct	*-2.62*	
		For >12" To <24" Length, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	10.79	
		For Up To 12" Length, Deduct	*-3.22*	
		For >12" To <24" Length, Deduct	*-1.61*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	12.91	
		For Up To 12" Length, Deduct	*-3.90*	
		For >12" To <24" Length, Deduct	*-1.95*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	15.58	
		For Up To 12" Length, Deduct	*-4.73*	
		For >12" To <24" Length, Deduct	*-2.36*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.52	
		For >5 Ton, Deduct	*-0.07*	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.61	
		For >5 Ton, Deduct	*-0.08*	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.72	
		For >5 Ton, Deduct	*-0.10*	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.90	
		For >5 Ton, Deduct	*-0.12*	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.66	
		For >5 Ton, Deduct	*-0.09*	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.76	
		For >5 Ton, Deduct	*-0.10*	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.05	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.26	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.24	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.81	
		For >5 Ton, Deduct	*-0.21*	
		For Galvanized, Add	*0.58*	
		For Epoxy Coated, Add	*1.15*	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.55	
		For >5 Ton, Deduct	*-0.28*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.62	
		For >5 Ton, Deduct	*-0.08*	
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.73	
		For >5 Ton, Deduct	*-0.09*	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.87	
		For >5 Ton, Deduct	*-0.11*	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.12	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.79	
		For >5 Ton, Deduct	*-0.10*	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.93	
		For >5 Ton, Deduct	*-0.12*	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.33	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.61	
		For >5 Ton, Deduct	*-0.19*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	1.92	
		For >5 Ton, Deduct	*-0.28*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.61	
		For >5 Ton, Deduct	*-0.08*	
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.71	
		For >5 Ton, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.85	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.09	
		For >5 Ton, Deduct	*-0.13*	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.78	
		For >5 Ton, Deduct	*-0.10*	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.91	
		For >5 Ton, Deduct	*-0.11*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.29	
		For >5 Ton, Deduct	*-0.15*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.57	
		For >5 Ton, Deduct	*-0.18*	

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0031 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	163.60
		For 2,000 PSI Concrete, Deduct	*-7.88*
		For 2,500 PSI Concrete, Deduct	*-3.94*
		For 3,500 PSI Concrete, Add	*7.30*
		For 3,750 PSI Concrete, Add	*9.92*
		For 4,000 PSI Concrete, Add	*12.55*
		For 4,500 PSI Concrete, Add	*14.59*
		For 5,000 PSI Concrete, Add	*16.63*
		For 6,000 PSI Concrete, Add	*39.40*
		For 7,500 PSI Concrete, Add	*97.83*
		For White Cement Concrete, Add	*17.51*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*
		For Lightweight Aggregate, ASTM C330, Add	*51.07*
		For Up To 20, Add	*7.08*
		For >20 To 50, Add	*2.65*
		For >100 To 200, Deduct	*-3.27*
		For >200 To 400, Deduct	*-6.54*
		For >400, Deduct	*-9.82*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	185.86
		For 2,000 PSI Concrete, Deduct	*-7.88*
		For 2,500 PSI Concrete, Deduct	*-3.94*
		For 3,500 PSI Concrete, Add	*7.30*
		For 3,750 PSI Concrete, Add	*9.92*
		For 4,000 PSI Concrete, Add	*12.55*
		For 4,500 PSI Concrete, Add	*14.59*
		For 5,000 PSI Concrete, Add	*16.63*
		For 6,000 PSI Concrete, Add	*39.40*
		For 7,500 PSI Concrete, Add	*97.84*
		For White Cement Concrete, Add	*17.51*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*
		For Lightweight Aggregate, ASTM C330, Add	*51.07*

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	148.83
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	145.30

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	12.20	
		For Up To 25 CF, Add	*1.53*	
		For 2,000 PSI Concrete, Deduct	*-0.34*	
		For 2,500 PSI Concrete, Deduct	*-0.17*	
		For 3,500 PSI Concrete, Add	*0.31*	
		For 3,750 PSI Concrete, Add	*0.42*	
		For 4,000 PSI Concrete, Add	*0.54*	
		For 4,500 PSI Concrete, Add	*0.62*	
		For 5,000 PSI Concrete, Add	*0.71*	
		For 6,000 PSI Concrete, Add	*1.68*	
		For 7,500 PSI Concrete, Add	*4.18*	
		For White Cement Concrete, Add	*0.75*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.81*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.62*	
		For Lightweight Aggregate, ASTM C330, Add	*2.18*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	5.56	
		For 2,000 PSI Concrete, Deduct	*-0.19*	
		For 2,500 PSI Concrete, Deduct	*-0.10*	
		For 3,500 PSI Concrete, Add	*0.07*	
		For 4,000 PSI Concrete, Add	*0.22*	
		For 4,500 PSI Concrete, Add	*0.28*	
		For 5,000 PSI Concrete, Add	*0.32*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*1.92*	
		For >500 To 1,000, Add	*1.34*	
		For >1,000 To 2,000, Add	*0.76*	
		For >2,000 To 5,000, Add	*0.38*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000 To 35,000, Deduct	*-0.32*	
		For >35,000 To 50,000, Deduct	*-0.46*	
		For >50,000 To 70,000, Deduct	*-0.59*	
		For >70,000, Deduct	*-0.73*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	6.13	
		For 2,000 PSI Concrete, Deduct	*-0.22*	
		For 2,500 PSI Concrete, Deduct	*-0.11*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.25*	
		For 4,500 PSI Concrete, Add	*0.32*	
		For 5,000 PSI Concrete, Add	*0.37*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*2.07*	
		For >500 To 1,000, Add	*1.45*	
		For >1,000 To 2,000, Add	*0.82*	
		For >2,000 To 5,000, Add	*0.41*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000 To 35,000, Deduct	*-0.35*	
		For >35,000 To 50,000, Deduct	*-0.51*	
		For >50,000 To 70,000, Deduct	*-0.66*	
		For >70,000, Deduct	*-0.81*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	6.96	
		For 2,000 PSI Concrete, Deduct	*-0.25*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.30*	
		For 4,500 PSI Concrete, Add	*0.37*	
		For 5,000 PSI Concrete, Add	*0.43*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*2.30*	
		For >500 To 1,000, Add	*1.61*	
		For >1,000 To 2,000, Add	*0.92*	
		For >2,000 To 5,000, Add	*0.46*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000 To 35,000, Deduct	*-0.41*	
		For >35,000 To 50,000, Deduct	*-0.58*	
		For >50,000 To 70,000, Deduct	*-0.76*	
		For >70,000, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	7.76	
		For 2,000 PSI Concrete, Deduct	*-0.29*	
		For 2,500 PSI Concrete, Deduct	*-0.15*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.34*	
		For 4,500 PSI Concrete, Add	*0.43*	
		For 5,000 PSI Concrete, Add	*0.49*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*2.49*	
		For >500 To 1,000, Add	*1.75*	
		For >1,000 To 2,000, Add	*1.01*	
		For >2,000 To 5,000, Add	*0.51*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000 To 35,000, Deduct	*-0.46*	
		For >35,000 To 50,000, Deduct	*-0.66*	
		For >50,000 To 70,000, Deduct	*-0.85*	
		For >70,000, Deduct	*-1.05*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.44	
		For 2,000 PSI Concrete, Deduct	*-0.32*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.47*	
		For 5,000 PSI Concrete, Add	*0.55*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*2.67*	
		For >500 To 1,000, Add	*1.88*	
		For >1,000 To 2,000, Add	*1.09*	
		For >2,000 To 5,000, Add	*0.54*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000 To 35,000, Deduct	*-0.51*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.93*	
		For >70,000, Deduct	*-1.14*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.20	
		For 2,000 PSI Concrete, Deduct	*-0.41*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.48*	
		For 4,500 PSI Concrete, Add	*0.60*	
		For 5,000 PSI Concrete, Add	*0.69*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.09*	
		For >500 To 1,000, Add	*2.19*	
		For >1,000 To 2,000, Add	*1.28*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000 To 35,000, Deduct	*-0.63*	
		For >35,000 To 50,000, Deduct	*-0.89*	
		For >50,000 To 70,000, Deduct	*-1.14*	
		For >70,000, Deduct	*-1.40*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.54	
		For 2,000 PSI Concrete, Deduct	*-0.47*	
		For 2,500 PSI Concrete, Deduct	*-0.24*	
		For 3,500 PSI Concrete, Add	*0.17*	
		For 4,000 PSI Concrete, Add	*0.55*	
		For 4,500 PSI Concrete, Add	*0.69*	
		For 5,000 PSI Concrete, Add	*0.79*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.44*	
		For >500 To 1,000, Add	*2.44*	
		For >1,000 To 2,000, Add	*1.44*	
		For >2,000 To 5,000, Add	*0.72*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000 To 35,000, Deduct	*-0.72*	
		For >35,000 To 50,000, Deduct	*-1.01*	
		For >50,000 To 70,000, Deduct	*-1.30*	
		For >70,000, Deduct	*-1.59*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	219.30	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.84*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*29.35*	
		For >20 To 50, Add	*11.01*	
		For >100 To 200, Deduct	*-4.39*	
		For >200 To 400, Deduct	*-8.77*	
		For >400, Deduct	*-13.16*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	175.28	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*11.75*	
		For >20 To 50, Add	*4.41*	
		For >100 To 200, Deduct	*-3.51*	
		For >200 To 400, Deduct	*-7.01*	
		For >400, Deduct	*-10.52*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps Note: Excludes pumping equipment.	186.04	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*11.19*	
		For >20 To 50, Add	*4.20*	
		For >100 To 200, Deduct	*-3.72*	
		For >200 To 400, Deduct	*-7.44*	
		For >400, Deduct	*-11.16*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	211.13	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*26.09*	
		For >20 To 50, Add	*9.78*	
		For >100 To 200, Deduct	*-4.22*	
		For >200 To 400, Deduct	*-8.45*	
		For >400, Deduct	*-12.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	172.01	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*10.44*	
		For >20 To 50, Add	*3.92*	
		For >100 To 200, Deduct	*-3.44*	
		For >200 To 400, Deduct	*-6.88*	
		For >400, Deduct	*-10.32*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	182.93	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*9.94*	
		For >20 To 50, Add	*3.73*	
		For >100 To 200, Deduct	*-3.66*	
		For >200 To 400, Deduct	*-7.32*	
		For >400, Deduct	*-10.98*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	255.98	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*44.03*	
		For >20 To 50, Add	*16.51*	
		For >100 To 200, Deduct	*-5.12*	
		For >200 To 400, Deduct	*-10.24*	
		For >400, Deduct	*-15.36*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	189.96	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*17.62*	
		For >20 To 50, Add	*6.61*	
		For >100 To 200, Deduct	*-3.80*	
		For >200 To 400, Deduct	*-7.60*	
		For >400, Deduct	*-11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings	200.02	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*16.78*	
		For >20 To 50, Add	*6.29*	
		For >100 To 200, Deduct	*-4.00*	
		For >200 To 400, Deduct	*-8.00*	
		For >400, Deduct	*-12.00*	
03 31 13 00-0024		Place Concrete Mat Foundation *(03 31 13 00-0011)*		
03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	165.47	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*7.82*	
		For >20 To 50, Add	*2.93*	
		For >100 To 200, Deduct	*-3.31*	
		For >200 To 400, Deduct	*-6.62*	
		For >400, Deduct	*-9.93*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	153.74	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*3.13*	
		For >20 To 50, Add	*1.17*	
		For >100 To 200, Deduct	*-3.07*	
		For >200 To 400, Deduct	*-6.15*	
		For >400, Deduct	*-9.22*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation	164.60	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*2.61*	
		For >20 To 50, Add	*0.98*	
		For >100 To 200, Deduct	*-3.29*	
		For >200 To 400, Deduct	*-6.58*	
		For >400, Deduct	*-9.88*	
03 31 13 00-0028		Place Concrete Grade Beams *(03 31 13 00-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	198.09	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*20.87*	
		For >20 To 50, Add	*7.83*	
		For >100 To 200, Deduct	*-3.96*	
		For >200 To 400, Deduct	*-7.92*	
		For >400, Deduct	*-11.89*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	166.79	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*8.35*	
		For >20 To 50, Add	*3.13*	
		For >100 To 200, Deduct	*-3.34*	
		For >200 To 400, Deduct	*-6.67*	
		For >400, Deduct	*-10.01*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	177.96	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*7.96*	
		For >20 To 50, Add	*2.98*	
		For >100 To 200, Deduct	*-3.56*	
		For >200 To 400, Deduct	*-7.12*	
		For >400, Deduct	*-10.68*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	199.31	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*21.36*	
		For >20 To 50, Add	*8.01*	
		For >100 To 200, Deduct	*-3.99*	
		For >200 To 400, Deduct	*-7.97*	
		For >400, Deduct	*-11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	186.44	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*16.21*	
		For >20 To 50, Add	*6.08*	
		For >100 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.46*	
		For >400, Deduct	*-11.19*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	167.28	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*8.55*	
		For >20 To 50, Add	*3.21*	
		For >100 To 200, Deduct	*-3.35*	
		For >200 To 400, Deduct	*-6.69*	
		For >400, Deduct	*-10.04*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	162.13	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*6.49*	
		For >20 To 50, Add	*2.43*	
		For >100 To 200, Deduct	*-3.24*	
		For >200 To 400, Deduct	*-6.49*	
		For >400, Deduct	*-9.73*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	175.88	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*7.12*	
		For >20 To 50, Add	*2.67*	
		For >100 To 200, Deduct	*-3.52*	
		For >200 To 400, Deduct	*-7.04*	
		For >400, Deduct	*-10.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	171.59	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*5.41*	
		For >20 To 50, Add	*2.03*	
		For >100 To 200, Deduct	*-3.43*	
		For >200 To 400, Deduct	*-6.86*	
		For >400, Deduct	*-10.30*	

03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	386.20	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*96.12*	
		For >20 To 50, Add	*36.04*	
		For >100 To 200, Deduct	*-7.72*	
		For >200 To 400, Deduct	*-15.45*	
		For >400, Deduct	*-23.17*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	242.09	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*38.47*	
		For >20 To 50, Add	*14.43*	
		For >100 To 200, Deduct	*-4.84*	
		For >200 To 400, Deduct	*-9.68*	
		For >400, Deduct	*-14.53*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	238.23	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*32.06*	
		For >20 To 50, Add	*12.02*	
		For >100 To 200, Deduct	*-4.76*	
		For >200 To 400, Deduct	*-9.53*	
		For >400, Deduct	*-14.29*	

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	276.36	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*52.18*	
		For >20 To 50, Add	*19.57*	
		For >100 To 200, Deduct	*-5.53*	
		For >200 To 400, Deduct	*-11.05*	
		For >400, Deduct	*-16.58*	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	207.79	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*19.89*	
		For >20 To 50, Add	*7.46*	
		For >100 To 200, Deduct	*-4.16*	
		For >200 To 400, Deduct	*-8.31*	
		For >400, Deduct	*-12.47*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	207.33	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*24.57*	
		For >20 To 50, Add	*9.21*	
		For >100 To 200, Deduct	*-4.15*	
		For >200 To 400, Deduct	*-8.29*	
		For >400, Deduct	*-12.44*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	192.50	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*18.64*	
		For >20 To 50, Add	*6.99*	
		For >100 To 200, Deduct	*-3.85*	
		For >200 To 400, Deduct	*-7.70*	
		For >400, Deduct	*-11.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	181.48	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*9.36*	
		For >20 To 50, Add	*3.51*	
		For >100 To 200, Deduct	*-3.63*	
		For >200 To 400, Deduct	*-7.26*	
		For >400, Deduct	*-10.89*	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	175.83	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*7.10*	
		For >20 To 50, Add	*2.66*	
		For >100 To 200, Deduct	*-3.52*	
		For >200 To 400, Deduct	*-7.03*	
		For >400, Deduct	*-10.55*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	286.80	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*56.36*	
		For >20 To 50, Add	*21.13*	
		For >100 To 200, Deduct	*-5.74*	
		For >200 To 400, Deduct	*-11.47*	
		For >400, Deduct	*-17.21*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	248.31	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*40.96*	
		For >20 To 50, Add	*15.36*	
		For >100 To 200, Deduct	*-4.97*	
		For >200 To 400, Deduct	*-9.93*	
		For >400, Deduct	*-14.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	220.79	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*29.95*	
		For >20 To 50, Add	*11.23*	
		For >100 To 200, Deduct	*-4.42*	
		For >200 To 400, Deduct	*-8.83*	
		For >400, Deduct	*-13.25*	
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	208.53	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*25.05*	
		For >20 To 50, Add	*9.39*	
		For >100 To 200, Deduct	*-4.17*	
		For >200 To 400, Deduct	*-8.34*	
		For >400, Deduct	*-12.51*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	211.77	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*21.48*	
		For >20 To 50, Add	*8.06*	
		For >100 To 200, Deduct	*-4.24*	
		For >200 To 400, Deduct	*-8.47*	
		For >400, Deduct	*-12.71*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	197.10	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*15.61*	
		For >20 To 50, Add	*5.85*	
		For >100 To 200, Deduct	*-3.94*	
		For >200 To 400, Deduct	*-7.88*	
		For >400, Deduct	*-11.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	186.61	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*11.42*	
		For >20 To 50, Add	*4.28*	
		For >100 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.46*	
		For >400, Deduct	*-11.20*	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	181.94	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*9.55*	
		For >20 To 50, Add	*3.58*	
		For >100 To 200, Deduct	*-3.64*	
		For >200 To 400, Deduct	*-7.28*	
		For >400, Deduct	*-10.92*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	277.99	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*52.83*	
		For >20 To 50, Add	*19.81*	
		For >100 To 200, Deduct	*-5.56*	
		For >200 To 400, Deduct	*-11.12*	
		For >400, Deduct	*-16.68*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	267.04	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*48.45*	
		For >20 To 50, Add	*18.17*	
		For >100 To 200, Deduct	*-5.34*	
		For >200 To 400, Deduct	*-10.68*	
		For >400, Deduct	*-16.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	238.37	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*36.98*	
		For >20 To 50, Add	*13.87*	
		For >100 To 200, Deduct	*-4.77*	
		For >200 To 400, Deduct	*-9.53*	
		For >400, Deduct	*-14.30*	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	198.77	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*21.14*	
		For >20 To 50, Add	*7.93*	
		For >100 To 200, Deduct	*-3.98*	
		For >200 To 400, Deduct	*-7.95*	
		For >400, Deduct	*-11.93*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	188.20	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*16.92*	
		For >20 To 50, Add	*6.34*	
		For >100 To 200, Deduct	*-3.76*	
		For >200 To 400, Deduct	*-7.53*	
		For >400, Deduct	*-11.29*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	182.91	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*14.80*	
		For >20 To 50, Add	*5.55*	
		For >100 To 200, Deduct	*-3.66*	
		For >200 To 400, Deduct	*-7.32*	
		For >400, Deduct	*-10.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	208.41	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*20.14*	
		For >20 To 50, Add	*7.55*	
		For >100 To 200, Deduct	*-4.17*	
		For >200 To 400, Deduct	*-8.34*	
		For >400, Deduct	*-12.50*	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	198.34	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*16.11*	
		For >20 To 50, Add	*6.04*	
		For >100 To 200, Deduct	*-3.97*	
		For >200 To 400, Deduct	*-7.93*	
		For >400, Deduct	*-11.90*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	193.31	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*14.10*	
		For >20 To 50, Add	*5.29*	
		For >100 To 200, Deduct	*-3.87*	
		For >200 To 400, Deduct	*-7.73*	
		For >400, Deduct	*-11.60*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	412.93	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*106.81*	
		For >20 To 50, Add	*40.05*	
		For >100 To 200, Deduct	*-8.26*	
		For >200 To 400, Deduct	*-16.52*	
		For >400, Deduct	*-24.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	252.78	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*42.75*	
		For >20 To 50, Add	*16.03*	
		For >100 To 200, Deduct	*-5.06*	
		For >200 To 400, Deduct	*-10.11*	
		For >400, Deduct	*-15.17*	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	247.13	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*35.62*	
		For >20 To 50, Add	*13.36*	
		For >100 To 200, Deduct	*-4.94*	
		For >200 To 400, Deduct	*-9.89*	
		For >400, Deduct	*-14.83*	
03 31 13 00-0075		Place Concrete Coping *(03 31 13 00-0043)*		
03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	422.16	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*110.50*	
		For >20 To 50, Add	*41.44*	
		For >100 To 200, Deduct	*-8.44*	
		For >200 To 400, Deduct	*-16.89*	
		For >400, Deduct	*-25.33*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	252.05	
		For 2,000 PSI Concrete, Deduct	*-7.88*	
		For 2,500 PSI Concrete, Deduct	*-3.94*	
		For 3,500 PSI Concrete, Add	*7.30*	
		For 3,750 PSI Concrete, Add	*9.92*	
		For 4,000 PSI Concrete, Add	*12.55*	
		For 4,500 PSI Concrete, Add	*14.59*	
		For 5,000 PSI Concrete, Add	*16.63*	
		For 6,000 PSI Concrete, Add	*39.40*	
		For 7,500 PSI Concrete, Add	*97.83*	
		For White Cement Concrete, Add	*17.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*18.97*	
		For High Early Strength, Type 3 ASTM C150, Add	*14.59*	
		For Lightweight Aggregate, ASTM C330, Add	*51.07*	
		For Up To 20, Add	*42.46*	
		For >20 To 50, Add	*15.92*	
		For >100 To 200, Deduct	*-5.04*	
		For >200 To 400, Deduct	*-10.08*	
		For >400, Deduct	*-15.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	318.84	
		For 2,000 PSI Concrete, Deduct	*-8.54*	
		For 2,500 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Add	*7.90*	
		For 3,750 PSI Concrete, Add	*10.75*	
		For 4,000 PSI Concrete, Add	*13.59*	
		For 4,500 PSI Concrete, Add	*15.81*	
		For 5,000 PSI Concrete, Add	*18.02*	
		For 6,000 PSI Concrete, Add	*42.68*	
		For 7,500 PSI Concrete, Add	*105.99*	
		For White Cement Concrete, Add	*18.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*20.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*15.81*	
		For Lightweight Aggregate, ASTM C330, Add	*55.32*	
		For Up To 20, Add	*64.31*	
		For >20 To 50, Add	*24.12*	
		For >100 To 200, Deduct	*-6.38*	
		For >200 To 400, Deduct	*-12.75*	
		For >400, Deduct	*-19.13*	
03 31 13 00-0079		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	12.44	
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	16.66	
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	22.21	
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	6.26	
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	8.40	
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	11.20	
03 31 13 00-0086		Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*		
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.69	
03 31 13 00-0088		Equipment Pads *(03 31 13)*		
03 31 13 00-0089		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0088)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0090	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	10.91	
03 31 13 00-0091	SF	4" Equipment Pad With Rebar Assembly	15.21	
03 31 13 00-0092	SF	6" Equipment Pad With Rebar Assembly	18.86	
03 31 13 00-0093	SF	8" Equipment Pad With Rebar Assembly	23.28	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	257.26	
03 35		**Concrete Finishing** *(03 30)*		
03 35 13		**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001		Floor Finishes *(03 35 13)* Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF	Screed, Concrete Floor Finish	0.52	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	0.63	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	0.69	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.07*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	0.82	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.21*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	0.92	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.23*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.09*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	0.76	
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	1.24	
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	0.70	
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	0.91	

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.33	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	2.69	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.31	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.33	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	2.24	

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	3.22	

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0002	SF	2" Thick Marblecrete And Finish	33.70	
03 35 29 00-0003	SF	4" Thick Marblecrete And Finish	45.09	

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	2.24	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	2.05	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	1.97	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.03	
		For Up To 500, Add	*1.88*	
		For >500 To 1,000, Add	*1.75*	
		For >1,000 To 2,500, Add	*1.15*	
		For >2,500 To 4,000, Add	*0.60*	
		For >8,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 25,000, Deduct	*-0.30*	
		For >25,000, Deduct	*-0.42*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	0.84	
		For Up To 500, Add	*1.51*	
		For >500 To 1,000, Add	*1.40*	
		For >1,000 To 2,500, Add	*0.93*	
		For >2,500 To 4,000, Add	*0.48*	
		For >8,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 25,000, Deduct	*-0.24*	
		For >25,000, Deduct	*-0.34*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	0.71	
		For Up To 500, Add	*1.26*	
		For >500 To 1,000, Add	*1.17*	
		For >1,000 To 2,500, Add	*0.77*	
		For >2,500 To 4,000, Add	*0.40*	
		For >8,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 25,000, Deduct	*-0.20*	
		For >25,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	0.66	
		For Up To 500, Add	*1.16*	
		For >500 To 1,000, Add	*1.08*	
		For >1,000 To 2,500, Add	*0.71*	
		For >2,500 To 4,000, Add	*0.37*	
		For >8,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 25,000, Deduct	*-0.18*	
		For >25,000, Deduct	*-0.26*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.09*	
		For >500 To 1,000, Add	*1.01*	
		For >1,000 To 2,500, Add	*0.67*	
		For >2,500 To 4,000, Add	*0.35*	
		For >8,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 25,000, Deduct	*-0.17*	
		For >25,000, Deduct	*-0.24*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.09*	
		For >500 To 1,000, Add	*1.01*	
		For >1,000 To 2,500, Add	*0.67*	
		For >2,500 To 4,000, Add	*0.35*	
		For >8,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 25,000, Deduct	*-0.17*	
		For >25,000, Deduct	*-0.24*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.09*	
		For >500 To 1,000, Add	*1.01*	
		For >1,000 To 2,500, Add	*0.67*	
		For >2,500 To 4,000, Add	*0.35*	
		For >8,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 25,000, Deduct	*-0.17*	
		For >25,000, Deduct	*-0.24*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.62	
		For Up To 500, Add	*1.09*	
		For >500 To 1,000, Add	*1.01*	
		For >1,000 To 2,500, Add	*0.67*	
		For >2,500 To 4,000, Add	*0.35*	
		For >8,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 25,000, Deduct	*-0.17*	
		For >25,000, Deduct	*-0.24*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.18	
		For Up To 500, Add	*0.23*	
		For >500 To 1,000, Add	*0.22*	
		For >1,000 To 2,500, Add	*0.14*	
		For >2,500 To 4,000, Add	*0.07*	
		For >8,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 25,000, Deduct	*-0.04*	
		For >25,000, Deduct	*-0.05*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.46	
		For Up To 500, Add	*0.29*	
		For >500 To 1,000, Add	*0.27*	
		For >1,000 To 2,500, Add	*0.18*	
		For >2,500 To 4,000, Add	*0.09*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.06*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	0.84	
		For Up To 500, Add	*0.43*	
		For >500 To 1,000, Add	*0.40*	
		For >1,000 To 2,500, Add	*0.26*	
		For >2,500 To 4,000, Add	*0.14*	
		For >8,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 25,000, Deduct	*-0.07*	
		For >25,000, Deduct	*-0.09*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.08	
		For Up To 500, Add	*0.16*	
		For >500 To 1,000, Add	*0.14*	
		For >1,000 To 2,500, Add	*0.10*	
		For >2,500 To 4,000, Add	*0.05*	
		For >8,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 25,000, Deduct	*-0.02*	
		For >25,000, Deduct	*-0.03*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.39	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.16	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse		0.70	
		For Up To 100, Add		*0.48*	
		For >100 To 250, Add		*0.12*	
		For >250 To 500, Add		*0.06*	
		For >5,000 To 10,000, Deduct		*-0.01*	
		For >10,000, Deduct		*-0.02*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes		0.95	
		For Up To 100, Add		*1.74*	
		For >100 To 250, Add		*0.44*	
		For >250 To 500, Add		*0.22*	
		For >5,000 To 10,000, Deduct		*-0.04*	
		For >10,000, Deduct		*-0.09*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes		1.43	
		For Up To 100, Add		*2.60*	
		For >100 To 250, Add		*0.65*	
		For >250 To 500, Add		*0.33*	
		For >5,000 To 10,000, Deduct		*-0.07*	
		For >10,000, Deduct		*-0.13*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes		0.75	
		For Up To 100, Add		*0.58*	
		For >100 To 250, Add		*0.15*	
		For >250 To 500, Add		*0.07*	
		For >5,000 To 10,000, Deduct		*-0.01*	
		For >10,000, Deduct		*-0.03*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes		2.79	
		For Up To 100, Add		*5.50*	
		For >100 To 250, Add		*1.38*	
		For >250 To 500, Add		*0.69*	
		For >5,000 To 10,000, Deduct		*-0.14*	
		For >10,000, Deduct		*-0.28*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes		4.34	
		For Up To 100, Add		*8.52*	
		For >100 To 250, Add		*2.13*	
		For >250 To 500, Add		*1.07*	
		For >5,000 To 10,000, Deduct		*-0.21*	
		For >10,000, Deduct		*-0.43*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes		0.57	
		For Up To 100, Add		*0.92*	
		For >100 To 250, Add		*0.23*	
		For >250 To 500, Add		*0.12*	
		For >5,000 To 10,000, Deduct		*-0.02*	
		For >10,000, Deduct		*-0.05*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes		1.85	
		For Up To 100, Add		*3.48*	
		For >100 To 250, Add		*0.87*	
		For >250 To 500, Add		*0.44*	
		For >5,000 To 10,000, Deduct		*-0.09*	
		For >10,000, Deduct		*-0.17*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes		2.78	
		For Up To 100, Add		*5.34*	
		For >100 To 250, Add		*1.34*	
		For >250 To 500, Add		*0.67*	
		For >5,000 To 10,000, Deduct		*-0.13*	
		For >10,000, Deduct		*-0.27*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF		3.40	
		For Up To 100, Add		*4.50*	
		For >100 To 250, Add		*1.13*	
		For >250 To 500, Add		*0.56*	
		For >5,000 To 10,000, Deduct		*-0.11*	
		For >10,000, Deduct		*-0.23*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF		6.78	
		For Up To 100, Add		*8.98*	
		For >100 To 250, Add		*2.25*	
		For >250 To 500, Add		*1.12*	
		For >5,000 To 10,000, Deduct		*-0.22*	
		For >10,000, Deduct		*-0.45*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	2.51	
		For Up To 25, Add	*0.41*	
		For >25 To 50, Add	*0.23*	
		For >50 To 150, Add	*0.08*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	4.82	
		For Up To 25, Add	*0.77*	
		For >25 To 50, Add	*0.43*	
		For >50 To 150, Add	*0.14*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	6.94	
		For Up To 25, Add	*1.08*	
		For >25 To 50, Add	*0.60*	
		For >50 To 150, Add	*0.19*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	8.91	
		For Up To 25, Add	*1.35*	
		For >25 To 50, Add	*0.75*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	12.49	
		For Up To 25, Add	*1.80*	
		For >25 To 50, Add	*0.99*	
		For >50 To 150, Add	*0.28*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for 2"x2" (W 0.9 x W 0.9) wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	2.45	
		For Radius Or Irregular Surface, Add	*0.58*	
		For Up To 25, Add	*0.46*	
		For >25 To 50, Add	*0.27*	
		For >50 To 150, Add	*0.11*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.59	
		For Radius Or Irregular Surface, Add	*1.04*	
		For Up To 25, Add	*0.85*	
		For >25 To 50, Add	*0.49*	
		For >50 To 150, Add	*0.19*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	6.48	
		For Radius Or Irregular Surface, Add	*1.40*	
		For Up To 25, Add	*1.17*	
		For >25 To 50, Add	*0.67*	
		For >50 To 150, Add	*0.26*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	8.19	
		For Radius Or Irregular Surface, Add	*1.68*	
		For Up To 25, Add	*1.45*	
		For >25 To 50, Add	*0.83*	
		For >50 To 150, Add	*0.32*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	9.71	
		For Radius Or Irregular Surface, Add	*1.89*	
		For Up To 25, Add	*1.68*	
		For >25 To 50, Add	*0.96*	
		For >50 To 150, Add	*0.35*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.08	
		For Radius Or Irregular Surface, Add	*2.04*	
		For Up To 25, Add	*1.87*	
		For >25 To 50, Add	*1.06*	
		For >50 To 150, Add	*0.38*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.10	
		For Radius Or Irregular Surface, Add	*2.45*	
		For Up To 25, Add	*2.33*	
		For >25 To 50, Add	*1.32*	
		For >50 To 150, Add	*0.46*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.86	
		For Radius Or Irregular Surface, Add	*2.75*	
		For Up To 25, Add	*2.72*	
		For >25 To 50, Add	*1.53*	
		For >50 To 150, Add	*0.52*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	19.40	
		For Radius Or Irregular Surface, Add	*2.97*	
		For Up To 25, Add	*3.05*	
		For >25 To 50, Add	*1.71*	
		For >50 To 150, Add	*0.56*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	302.98	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	342.70	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	486.13	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	575.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	667.56	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	862.71	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	979.14	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	1,261.15	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	196.26	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.28	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	21.51	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	176.70	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	28.83	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	197.42	157.95
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	219.45	175.53
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	233.03	186.41
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	247.04	197.64
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	264.37	211.48
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	282.55	226.04
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	303.40	242.71
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	329.99	263.97
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	358.80	287.07

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	35.85
		For 3,500 PSI Concrete, Add	*0.72*
		For 4,000 PSI Concrete, Add	*1.08*
		For 4,500 PSI Concrete, Add	*1.43*
		For 5,000 PSI Concrete, Add	*2.15*
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	43.02
		For 3,500 PSI Concrete, Add	*0.86*
		For 4,000 PSI Concrete, Add	*1.29*
		For 4,500 PSI Concrete, Add	*1.72*
		For 5,000 PSI Concrete, Add	*2.58*
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	52.58
		For 3,500 PSI Concrete, Add	*1.05*
		For 4,000 PSI Concrete, Add	*1.58*
		For 4,500 PSI Concrete, Add	*2.10*
		For 5,000 PSI Concrete, Add	*3.15*
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	69.79
		For 3,500 PSI Concrete, Add	*1.40*
		For 4,000 PSI Concrete, Add	*2.09*
		For 4,500 PSI Concrete, Add	*2.79*
		For 5,000 PSI Concrete, Add	*4.19*

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	238.75	190.99
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	260.22	208.20
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	287.62	230.06
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	319.36	255.47
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	358.99	287.17

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	333.51	266.83
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	363.51	290.79
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	401.78	321.45
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	446.13	356.92
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	501.49	401.23
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	545.27	436.18
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	602.67	482.13
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	667.03	533.65
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	754.99	603.99

03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,776.16
		For 3,500 PSI Concrete, Add	*75.52*
		For 4,000 PSI Concrete, Add	*113.28*
		For 4,500 PSI Concrete, Add	*151.05*
		For 5,000 PSI Concrete, Add	*226.57*
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,823.96
		For 3,500 PSI Concrete, Add	*76.48*
		For 4,000 PSI Concrete, Add	*114.72*
		For 4,500 PSI Concrete, Add	*152.96*
		For 5,000 PSI Concrete, Add	*229.44*
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,301.96
		For 3,500 PSI Concrete, Add	*86.04*
		For 4,000 PSI Concrete, Add	*129.06*
		For 4,500 PSI Concrete, Add	*172.08*
		For 5,000 PSI Concrete, Add	*258.12*

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,871.76
		For 3,500 PSI Concrete, Add	*77.44*
		For 4,000 PSI Concrete, Add	*116.15*
		For 4,500 PSI Concrete, Add	*154.87*
		For 5,000 PSI Concrete, Add	*232.31*
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,015.16
		For 3,500 PSI Concrete, Add	*80.30*
		For 4,000 PSI Concrete, Add	*120.45*
		For 4,500 PSI Concrete, Add	*160.61*
		For 5,000 PSI Concrete, Add	*240.91*
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,114.55
		For 3,500 PSI Concrete, Add	*102.29*
		For 4,000 PSI Concrete, Add	*153.44*
		For 4,500 PSI Concrete, Add	*204.58*
		For 5,000 PSI Concrete, Add	*306.87*

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	4,015.16
		For 3,500 PSI Concrete, Add	*80.30*
		For 4,000 PSI Concrete, Add	*120.45*
		For 4,500 PSI Concrete, Add	*160.61*
		For 5,000 PSI Concrete, Add	*240.91*
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,779.96
		For 3,500 PSI Concrete, Add	*95.60*
		For 4,000 PSI Concrete, Add	*143.40*
		For 4,500 PSI Concrete, Add	*191.20*
		For 5,000 PSI Concrete, Add	*286.80*
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,831.55
		For 3,500 PSI Concrete, Add	*116.63*
		For 4,000 PSI Concrete, Add	*174.95*
		For 4,500 PSI Concrete, Add	*233.26*
		For 5,000 PSI Concrete, Add	*349.89*

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0002		**Erection Cost Using 50 Ton Hydraulic Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	191.65	153.33
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	213.04	170.40
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	239.82	191.87
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	256.64	205.30
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	274.29	219.44
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	294.54	235.62
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	320.34	256.26
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	348.31	278.68
03 41 19 00-0011		**Erection Cost Using 90 Ton Crawler Crane** *(03 41 19 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	214.77	171.79
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	238.75	190.99
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	268.75	215.04
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	287.62	230.06
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	307.39	245.91
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	330.08	264.08
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	358.99	287.17
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	390.33	312.23
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	431.42	345.16
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	477.49	381.98
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	540.46	432.39
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	614.77	491.82
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	712.78	570.24
03 41 19 00-0025		**Material Cost** *(03 41 19 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	47.80	
		For 3,500 PSI Concrete, Add	*0.96*	
		For 4,000 PSI Concrete, Add	*1.43*	
		For 4,500 PSI Concrete, Add	*1.91*	
		For 5,000 PSI Concrete, Add	*2.87*	
		For White Facing, Add	*9.56*	
		For Solid White Through Thickness, Add	*9.56*	
		For Broken Rib Finish, Add	*4.78*	
		For Fluted Surface, Add	*4.78*	
		For Exposed Aggregate, Add	*9.56*	
		For Sandblasting Of Surface, Add	*4.78*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	58.79	
		For 3,500 PSI Concrete, Add	*1.18*	
		For 4,000 PSI Concrete, Add	*1.76*	
		For 4,500 PSI Concrete, Add	*2.35*	
		For 5,000 PSI Concrete, Add	*3.53*	
		For White Facing, Add	*11.76*	
		For Solid White Through Thickness, Add	*11.76*	
		For Broken Rib Finish, Add	*5.88*	
		For Fluted Surface, Add	*5.88*	
		For Exposed Aggregate, Add	*11.76*	
		For Sandblasting Of Surface, Add	*5.88*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	70.74	
		For 3,500 PSI Concrete, Add	*1.41*	
		For 4,000 PSI Concrete, Add	*2.12*	
		For 4,500 PSI Concrete, Add	*2.83*	
		For 5,000 PSI Concrete, Add	*4.24*	
		For White Facing, Add	*14.15*	
		For Solid White Through Thickness, Add	*14.15*	
		For Broken Rib Finish, Add	*7.07*	
		For Fluted Surface, Add	*7.07*	
		For Exposed Aggregate, Add	*14.15*	
		For Sandblasting Of Surface, Add	*7.07*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	93.21	
		For 3,500 PSI Concrete, Add	*1.86*	
		For 4,000 PSI Concrete, Add	*2.80*	
		For 4,500 PSI Concrete, Add	*3.73*	
		For 5,000 PSI Concrete, Add	*5.59*	
		For White Facing, Add	*18.64*	
		For Solid White Through Thickness, Add	*18.64*	
		For Broken Rib Finish, Add	*9.32*	
		For Fluted Surface, Add	*9.32*	
		For Exposed Aggregate, Add	*18.64*	
		For Sandblasting Of Surface, Add	*9.32*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0030		**Partition Panels** *(03 41 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0031		**Erection Costs Using 20 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	145.32	116.24
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	161.54	129.25
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	181.85	145.47
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	207.99	166.40
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	223.34	178.70
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	242.91	194.32
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	264.12	211.32
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	291.92	233.54
03 41 19 00-0040		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0030)* Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	191.65	153.33
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	213.04	170.40
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	239.82	191.87
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	274.29	219.44
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	294.54	235.62
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	320.34	256.26
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	348.31	278.68
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	384.97	307.96
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	426.08	340.88
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	482.27	385.79
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	548.58	438.86
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	636.03	508.81
03 41 19 00-0053		**Material Cost** *(03 41 19 00-0030)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	45.41	
		For 4,000 PSI Concrete, Add	*1.36*	
		For 4,500 PSI Concrete, Add	*1.82*	
		For 5,000 PSI Concrete, Add	*2.72*	
		For White Facing, Add	*9.08*	
		For Solid White Through Thickness, Add	*9.08*	
		For Broken Rib Finish, Add	*4.54*	
		For Fluted Surface, Add	*4.54*	
		For Exposed Aggregate, Add	*9.08*	
		For Sandblasting Of Surface, Add	*4.54*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	55.92	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.36*	
		For White Facing, Add	*11.18*	
		For Solid White Through Thickness, Add	*11.18*	
		For Broken Rib Finish, Add	*5.59*	
		For Fluted Surface, Add	*5.59*	
		For Exposed Aggregate, Add	*11.18*	
		For Sandblasting Of Surface, Add	*5.59*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	66.92	
		For 4,000 PSI Concrete, Add	*2.01*	
		For 4,500 PSI Concrete, Add	*2.68*	
		For 5,000 PSI Concrete, Add	*4.02*	
		For White Facing, Add	*13.38*	
		For Solid White Through Thickness, Add	*13.38*	
		For Broken Rib Finish, Add	*6.69*	
		For Fluted Surface, Add	*6.69*	
		For Exposed Aggregate, Add	*13.38*	
		For Sandblasting Of Surface, Add	*6.69*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	88.43	
		For 4,000 PSI Concrete, Add	*2.65*	
		For 4,500 PSI Concrete, Add	*3.54*	
		For 5,000 PSI Concrete, Add	*5.31*	
		For White Facing, Add	*17.69*	
		For Solid White Through Thickness, Add	*17.69*	
		For Broken Rib Finish, Add	*8.84*	
		For Fluted Surface, Add	*8.84*	
		For Exposed Aggregate, Add	*17.69*	
		For Sandblasting Of Surface, Add	*8.84*	
03 41 19 00-0058		**Cladding Panels** *(03 41 19)*		
03 41 19 00-0059		**Erection Costs Using 50 Ton Hydraulic Crane** *(03 41 19 00-0058)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	202.25	161.76
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	226.22	180.96
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	256.64	205.30
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	274.29	219.44
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	294.54	235.62
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	320.34	256.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	348.31	278.68
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	384.97	307.96

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	226.64	181.29
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	253.51	202.80
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	287.62	230.06
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	307.39	245.91
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	330.08	264.08
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	358.99	287.17
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	390.33	312.23
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	431.42	345.16
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	477.49	381.98
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	540.46	432.39
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	614.77	491.82
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	712.78	570.24

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	45.41
		For 3,500 PSI Concrete, Add	*0.91*
		For 4,000 PSI Concrete, Add	*1.36*
		For 4,500 PSI Concrete, Add	*1.82*
		For 5,000 PSI Concrete, Add	*2.72*
		For White Facing, Add	*9.08*
		For Solid White Through Thickness, Add	*9.08*
		For Broken Rib Finish, Add	*4.54*
		For Fluted Surface, Add	*4.54*
		For Exposed Aggregate, Add	*9.08*
		For Sandblasting Of Surface, Add	*4.54*
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	55.92
		For 3,500 PSI Concrete, Add	*1.12*
		For 4,000 PSI Concrete, Add	*1.68*
		For 4,500 PSI Concrete, Add	*2.24*
		For 5,000 PSI Concrete, Add	*3.36*
		For White Facing, Add	*11.18*
		For Solid White Through Thickness, Add	*11.18*
		For Broken Rib Finish, Add	*5.59*
		For Fluted Surface, Add	*5.59*
		For Exposed Aggregate, Add	*11.18*
		For Sandblasting Of Surface, Add	*5.59*
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	66.92
		For 3,500 PSI Concrete, Add	*1.34*
		For 4,000 PSI Concrete, Add	*2.01*
		For 4,500 PSI Concrete, Add	*2.68*
		For 5,000 PSI Concrete, Add	*4.02*
		For White Facing, Add	*13.38*
		For Solid White Through Thickness, Add	*13.38*
		For Broken Rib Finish, Add	*6.69*
		For Fluted Surface, Add	*6.69*
		For Exposed Aggregate, Add	*13.38*
		For Sandblasting Of Surface, Add	*6.69*
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	88.43
		For 3,500 PSI Concrete, Add	*1.77*
		For 4,000 PSI Concrete, Add	*2.65*
		For 4,500 PSI Concrete, Add	*3.54*
		For 5,000 PSI Concrete, Add	*5.31*
		For White Facing, Add	*17.69*
		For Solid White Through Thickness, Add	*17.69*
		For Broken Rib Finish, Add	*8.84*
		For Fluted Surface, Add	*8.84*
		For Exposed Aggregate, Add	*17.69*
		For Sandblasting Of Surface, Add	*8.84*

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	202.25	161.76
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	226.22	180.96
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	256.64	205.30
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	274.29	219.44
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	294.54	235.62
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	320.34	256.26
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	348.31	278.68
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	384.97	307.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0096		**Erection Costs Using 90 Ton Crawler Crane** *(03 41 19 00-0086)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	208.34	166.63
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	233.03	186.41
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	264.37	211.48
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	282.55	226.04
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	303.40	242.71
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	329.99	263.97
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	358.80	287.07
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	396.56	317.24
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	438.91	351.14
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	496.79	397.41
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	565.10	452.08
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	655.18	524.13
03 41 19 00-0109		**Material Cost** *(03 41 19 00-0086)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	62.14	
		For 3,500 PSI Concrete, Add	*1.24*	
		For 4,000 PSI Concrete, Add	*1.86*	
		For 4,500 PSI Concrete, Add	*2.49*	
		For 5,000 PSI Concrete, Add	*3.73*	
		For White Facing, Add	*12.43*	
		For Solid White Through Thickness, Add	*12.43*	
		For Broken Rib Finish, Add	*6.21*	
		For Fluted Surface, Add	*6.21*	
		For Exposed Aggregate, Add	*12.43*	
		For Sandblasting Of Surface, Add	*6.21*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	73.13	
		For 3,500 PSI Concrete, Add	*1.46*	
		For 4,000 PSI Concrete, Add	*2.19*	
		For 4,500 PSI Concrete, Add	*2.93*	
		For 5,000 PSI Concrete, Add	*4.39*	
		For White Facing, Add	*14.63*	
		For Solid White Through Thickness, Add	*14.63*	
		For Broken Rib Finish, Add	*7.31*	
		For Fluted Surface, Add	*7.31*	
		For Exposed Aggregate, Add	*14.63*	
		For Sandblasting Of Surface, Add	*7.31*	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	85.08	
		For 3,500 PSI Concrete, Add	*1.70*	
		For 4,000 PSI Concrete, Add	*2.55*	
		For 4,500 PSI Concrete, Add	*3.40*	
		For 5,000 PSI Concrete, Add	*5.10*	
		For White Facing, Add	*17.02*	
		For Solid White Through Thickness, Add	*17.02*	
		For Broken Rib Finish, Add	*8.51*	
		For Fluted Surface, Add	*8.51*	
		For Exposed Aggregate, Add	*17.02*	
		For Sandblasting Of Surface, Add	*8.51*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	107.55	
		For 3,500 PSI Concrete, Add	*2.15*	
		For 4,000 PSI Concrete, Add	*3.23*	
		For 4,500 PSI Concrete, Add	*4.30*	
		For 5,000 PSI Concrete, Add	*6.45*	
		For White Facing, Add	*21.51*	
		For Solid White Through Thickness, Add	*21.51*	
		For Broken Rib Finish, Add	*10.76*	
		For Fluted Surface, Add	*10.76*	
		For Exposed Aggregate, Add	*21.51*	
		For Sandblasting Of Surface, Add	*10.76*	
03 41 23		**Precast Concrete Stairs** *(03 41)*		
03 41 23 00-0001		**Erection Costs Using A 50 Ton Hydraulic Crane** *(03 41 23)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	213.04	170.40
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	226.22	180.96
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	239.82	191.87
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	256.64	205.30
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	274.29	219.44
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	294.54	235.62
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	320.34	256.26
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	348.31	278.68
03 41 23 00-0010		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 23)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	213.04	170.40
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	226.22	180.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	239.82	191.87
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	256.64	205.30
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	274.29	219.44
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	294.54	235.62
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	320.34	256.26
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	348.31	278.68

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	957.95	
		For 3,500 PSI Concrete, Add	*125.01*	
		For 4,000 PSI Concrete, Add	*234.89*	
		For 4,500 PSI Concrete, Add	*345.25*	
		For 5,000 PSI Concrete, Add	*469.68*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

03 41 26 00-0001 Precast Beams, Girder And Joists *(03 41 26)*

03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	268.75	215.04
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	287.62	230.06
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	307.39	245.91
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	330.08	264.08

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	375.43	300.32
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	401.78	321.45
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	429.40	343.52
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	461.10	368.85
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	501.49	401.23
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	545.27	436.18
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	602.67	482.13
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	667.03	533.65

03 41 26 00-0016 Material Cost *(03 41 26 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 26 00-0017 1,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	191.56	
		For 3,500 PSI Concrete, Add	*5.23*	
		For 4,000 PSI Concrete, Add	*7.85*	
		For 4,500 PSI Concrete, Add	*10.46*	
		For 5,000 PSI Concrete, Add	*15.71*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	

03 41 26 00-0021 3,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	

03 41 26 00-0025 5,000 Lb./LF Live Load *(03 41 26 00-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	335.23	
		For 3,500 PSI Concrete, Add	*9.15*	
		For 4,000 PSI Concrete, Add	*13.74*	
		For 4,500 PSI Concrete, Add	*18.30*	
		For 5,000 PSI Concrete, Add	*27.49*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	478.91	
		For 3,500 PSI Concrete, Add	*13.07*	
		For 4,000 PSI Concrete, Add	*19.64*	
		For 4,500 PSI Concrete, Add	*26.15*	
		For 5,000 PSI Concrete, Add	*39.27*	

03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	158.07	126.44
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	168.06	134.43
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	180.12	144.10
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	193.20	154.56
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	208.34	166.63
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	226.04	180.83
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	247.04	197.64

03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	991.49
		For 3,500 PSI Concrete, Add	*74.36*
		For 4,000 PSI Concrete, Add	*139.80*
		For 4,500 PSI Concrete, Add	*206.23*
		For 5,000 PSI Concrete, Add	*280.59*

03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	1,015.97
		For 3,500 PSI Concrete, Add	*76.20*
		For 4,000 PSI Concrete, Add	*143.25*
		For 4,500 PSI Concrete, Add	*211.32*
		For 5,000 PSI Concrete, Add	*287.52*

03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	1,017.93
		For 3,500 PSI Concrete, Add	*76.34*
		For 4,000 PSI Concrete, Add	*143.53*
		For 4,500 PSI Concrete, Add	*211.73*
		For 5,000 PSI Concrete, Add	*288.07*

03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	1,017.93
		For 3,500 PSI Concrete, Add	*76.34*
		For 4,000 PSI Concrete, Add	*143.53*
		For 4,500 PSI Concrete, Add	*211.73*
		For 5,000 PSI Concrete, Add	*288.07*

03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	1,017.93
		For 3,500 PSI Concrete, Add	*76.34*
		For 4,000 PSI Concrete, Add	*143.53*
		For 4,500 PSI Concrete, Add	*211.73*
		For 5,000 PSI Concrete, Add	*288.07*

03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	1,015.97
		For 3,500 PSI Concrete, Add	*76.20*
		For 4,000 PSI Concrete, Add	*143.25*
		For 4,500 PSI Concrete, Add	*211.32*
		For 5,000 PSI Concrete, Add	*287.52*

03 41 26 00-0051 36" x 36" Column, Square, Tied *(03 41 26 00-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	

03 41 33 Precast Structural Pretensioned Concrete *(03 41)*

03 41 33 00-0001 Slabs, Roof And Floor Members *(03 41 33)*

03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	18.50	1.22
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	23.43	1.22
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	28.35	1.28
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	33.28	1.33

03 41 33 00-0006 Tee Members *(03 41 33)*

03 41 33 00-0007 Multiple Tee, Roof And Floor *(03 41 33 00-0006)*

03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	43.24	1.58

03 41 33 00-0009 Double Tee Wall Member *(03 41 33 00-0006)*

03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	58.09	4.32

03 41 33 00-0011 Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*

03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	49.70	2.62

03 41 33 00-0013 Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*

03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	60.88	2.25

03 41 33 00-0015 Prestressed Concrete Items *(03 41 33)*

03 41 33 00-0016 Prestressed Quad Tee *(03 41 33 00-0015)*

03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	32.22	0.48
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	33.66	0.48

03 41 33 00-0019 Prestressed Double Tee *(03 41 33 00-0015)*

03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	54.16	0.43
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	74.79	0.43
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	36.33	0.73
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	57.16	0.48
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	39.07	0.97

03 41 33 00-0025 Prestressed Single Tee *(03 41 33 00-0015)*

03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	63.19	1.10
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	74.12	0.67
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	98.46	0.60
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	103.73	0.60

03 41 33 00-0030 Prestressed Double Tee Floor Members *(03 41 33 00-0015)*

03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,503.86	175.03
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,965.06	194.47
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	30,209.21	218.78
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,329.77	159.16
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,361.33	175.03
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,756.19	175.03
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,977.91	194.47
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,361.07	218.78
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,853.55	250.14

03 41 33 00-0040 Prestressed Double Tee Roof Members *(03 41 33 00-0015)*

03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,911.56	175.03
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	17,007.12	194.47
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	28,053.83	218.78
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,580.94	159.16
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	9,031.89	175.03
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	10,037.73	175.03
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,301.51	194.47
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,684.66	218.78
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,782.29	250.14

03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*

03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	34.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	35.52	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	37.00	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	38.04	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.45	

03 41 33 00-0056 Double And Single Tees *(03 41 33)*

03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.00	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.08	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.86	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.00	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.94	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.42	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.06	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	58.12	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.42	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	59.48	

03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	42.29	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	41.37	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	40.02	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	42.29	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.94	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	65.14	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	63.79	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	61.57	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	65.14	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	63.36	

03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*

03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.60	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	43.24	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.87	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	69.17	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	66.94	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	64.29	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	39.20	2.00

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	83.56	37.62
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	100.21	45.08

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,784.01
		For 3,500 PSI Concrete, Add	*246.91*
		For 4,000 PSI Concrete, Add	*463.92*
		For 4,500 PSI Concrete, Add	*681.88*
		For 5,000 PSI Concrete, Add	*927.65*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,927.70
		For 3,500 PSI Concrete, Add	*256.28*
		For 4,000 PSI Concrete, Add	*481.54*
		For 4,500 PSI Concrete, Add	*707.77*
		For 5,000 PSI Concrete, Add	*962.88*
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,071.40
		For 3,500 PSI Concrete, Add	*265.66*
		For 4,000 PSI Concrete, Add	*499.15*
		For 4,500 PSI Concrete, Add	*733.67*
		For 5,000 PSI Concrete, Add	*998.10*
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,262.99
		For 3,500 PSI Concrete, Add	*278.16*
		For 4,000 PSI Concrete, Add	*522.64*
		For 4,500 PSI Concrete, Add	*768.19*
		For 5,000 PSI Concrete, Add	*1,045.07*

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0001		**Sun Screen Blades** *(03 48 22)*		
03 48 22 00-0002		**Installation Cost** *(03 48 22 00-0001)*		
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	41.79	18.80
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	50.20	22.58
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	62.72	28.25
03 48 22 00-0006		**Material Cost** *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,023.50	
		For 3,500 PSI Concrete, Add	*262.53*	
		For 4,000 PSI Concrete, Add	*493.28*	
		For 4,500 PSI Concrete, Add	*725.03*	
		For 5,000 PSI Concrete, Add	*986.36*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,167.19	
		For 3,500 PSI Concrete, Add	*271.91*	
		For 4,000 PSI Concrete, Add	*510.90*	
		For 4,500 PSI Concrete, Add	*750.93*	
		For 5,000 PSI Concrete, Add	*1,021.59*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,358.79	
		For 3,500 PSI Concrete, Add	*284.41*	
		For 4,000 PSI Concrete, Add	*534.39*	
		For 4,500 PSI Concrete, Add	*785.45*	
		For 5,000 PSI Concrete, Add	*1,068.56*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,550.39	
		For 3,500 PSI Concrete, Add	*296.91*	
		For 4,000 PSI Concrete, Add	*557.88*	
		For 4,500 PSI Concrete, Add	*819.98*	
		For 5,000 PSI Concrete, Add	*1,115.53*	
03 48 22 00-0011		**Sun Screen/Trellis Units** *(03 48 22)*		
03 48 22 00-0012		**Installation Cost Using A 50 Ton Hydraulic Crane** *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	202.25	90.99
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	226.22	101.83
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	256.64	115.48
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	274.29	123.43
03 48 22 00-0017		**Material Cost** *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,646.18	
		For 3,500 PSI Concrete, Add	*303.16*	
		For 4,000 PSI Concrete, Add	*569.62*	
		For 4,500 PSI Concrete, Add	*837.24*	
		For 5,000 PSI Concrete, Add	*1,139.01*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,789.88	
		For 3,500 PSI Concrete, Add	*312.54*	
		For 4,000 PSI Concrete, Add	*587.24*	
		For 4,500 PSI Concrete, Add	*863.14*	
		For 5,000 PSI Concrete, Add	*1,174.24*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,981.48	
		For 3,500 PSI Concrete, Add	*325.04*	
		For 4,000 PSI Concrete, Add	*610.73*	
		For 4,500 PSI Concrete, Add	*897.66*	
		For 5,000 PSI Concrete, Add	*1,221.21*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,220.97	
		For 3,500 PSI Concrete, Add	*340.67*	
		For 4,000 PSI Concrete, Add	*640.09*	
		For 4,500 PSI Concrete, Add	*940.82*	
		For 5,000 PSI Concrete, Add	*1,279.92*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		**Installation Costs Using A 50 Ton Hydraulic Crane** *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		**L - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	196.80	157.44
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	220.54	176.44
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	249.36	199.47
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	265.98	212.79
03 48 24 00-0007		**O - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	207.99	166.43
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	233.44	186.73
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	264.38	211.48
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	283.14	226.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0012		**Platform Segment** *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	398.97	319.21
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	482.27	385.79
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	535.20	428.16
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	601.18	480.97
03 48 24 00-0017		**Cap Segment** *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	218.34	174.66
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	243.81	195.02
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	277.77	222.17
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	296.53	237.19
03 48 24 00-0022		**Installation Costs Using A 90 Ton Crawler Crane** *(03 48 24)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		**L - Shaped Segments** *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	202.73	162.18
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	227.18	181.75
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	256.87	205.48
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	273.99	219.19
03 48 24 00-0028		**O - Shaped Segment** *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	214.25	171.44
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	240.47	192.35
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	272.34	217.85
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	291.67	233.32
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	327.60	262.07
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	396.56	317.24
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	438.91	351.14
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	496.79	397.41
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	224.91	179.92
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	251.15	200.90
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	286.13	228.86
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	305.46	244.33
03 48 24 00-0043		**Material Costs** *(03 48 24)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 29		**Precast Accessories** *(03 48)* Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	0.92	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.40	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	2.47	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	3.53	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	4.63	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	6.75	
03 48 29 00-0009		**Bearing Pad Pipe Supports** *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	70.40	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	44.86	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	15.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 48 46 Precast Skylight Shells *(03 48)*

03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	287.62	129.45
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	319.36	143.72
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	358.99	161.55

03 48 46 00-0005 Material Cost *(03 48 46)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,809.17	

03 48 49 Precast Landings *(03 48)*

03 48 49 00-0001	SF	3" Thick Precast Landing	108.96	
03 48 49 00-0002	SF	4" Thick Precast Landing	127.67	
03 48 49 00-0003	SF	5" Thick Precast Landing	144.24	
03 48 49 00-0004	SF	6" Thick Precast Landing	166.09	

03 48 54 Precast Concrete Blocks *(03 48)*

03 48 54 00-0001 Precast Interlocking Concrete Blocks *(03 48 54)*

Note: Includes lifting loop

03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	115.69	23.57
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	135.68	26.52
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	155.66	29.47
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	208.25	32.41
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	252.00	35.36

03 50 Cast Decks and Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks *(03 51 13)*

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.52	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.65	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.76	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.24	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.72	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.28	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.98	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck *(03 51 16)*

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.77	0.30
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.90	0.35
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	19.03	0.40
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.19	0.44
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	25.35	0.49

03 51 16 00-0007 Form Board For Lightweight Deck *(03 51 16)*

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.15	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.23	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.94	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.47	0.28
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.18	0.28
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.77	0.28
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.88	0.28

03 51 16 00-0015 Gypsum Plank *(03 51 16)*

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	2.90	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	3.94	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping *(03 53)*

03 53 14 00-0001 Granolithic Topping Laid After *(03 53 14)*

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	2.34	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	2.60	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.43	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 53 19 Concrete Overlayment *(03 53)*

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish *(03 53 19)*
Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.39
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.62
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.95
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.36
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.51
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.22
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.67

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*
Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.62
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.08*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	2.85
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.08*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	4.08
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.08*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	5.31
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.08*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	6.54
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.08*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	7.79
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.09*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	10.26
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.09*
		For >100 To 250 SF, Add	*0.04*
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	12.74
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.10*
		For >100 To 250 SF, Add	*0.05*
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	15.20
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.10*
		For >100 To 250 SF, Add	*0.05*
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	17.71
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.12*
		For >100 To 250 SF, Add	*0.06*

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	314.21

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	16.94
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	26.86

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	25.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	42.72	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.25	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.66	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.21	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	1.92	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.63	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.48	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	20.27	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	32.51	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	0.91	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.17	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.57	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.28	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.63	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.18	
03 63		**Epoxy Grouting** *(03 60)*		
03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	3.62	
		For Color, Add	*1.16*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.18	
		For Color, Add	*1.74*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	6.77	
		For Color, Add	*2.33*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	8.27	
		For Color, Add	*2.91*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	9.78	
		For Color, Add	*3.50*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	12.86	
		For Color, Add	*4.67*	
03 64		**Injection Grouting** *(03 60)*		
		Note: By volume of void filled. Includes injection ports.		
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,385.98	
		For >4, Deduct	*-149.38*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	221.56	
		For >4, Deduct	*-64.09*	
03 80		**Concrete Cutting and Boring** *(03)*		
03 81		**Concrete Cutting** *(03 80)*		
03 81 13		**Flat Concrete Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0057 for saw cutting.		
03 81 16		**Track Mounted Concrete Wall Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0057 for saw cutting.		
03 82		**Concrete Boring** *(03 80)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0080 for core drilling.

END OF SECTION 03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.17
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	33.12
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	46.09
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.76
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	37.72
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	52.99
		For Up To 10, Add	*6.01*
		For >10 To 50, Add	*3.01*

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	48.83
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.62
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	213.10
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	48.83
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	55.62
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.34
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	77.85
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	213.10
		For Up To 10, Add	*24.04*
		For >10 To 50, Add	*12.02*

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	52.53	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.55	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	243.89	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	52.53	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.55	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.50	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	86.48	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	243.89	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.35	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.00	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.22	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.35	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.00	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.43	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.39	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.35	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.00	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.22	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.35	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.00	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.43	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.13	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.39	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	

04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.

04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.27	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.71	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.80	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.98	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.29	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.56	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.70	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.87	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.65	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.75	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.69	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.48	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.16	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.55	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.67	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.49	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.42	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.89	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.32	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.70	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.94	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.11	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.39	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.51	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.06	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.85	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.50	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.33	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.81	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.32	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	23.21	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.45	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.73	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.91	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.04	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.43	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.05	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.28	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.90	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.17	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.71	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.08	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.33	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.50	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.90	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	3.98	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*1.80*	
		For >10 To 50, Add	*0.90*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.97	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.51	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.62	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.84	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.24	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.57	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.74	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.96	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.76	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.91	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.08	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.06	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.91	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.90	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.31	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.84	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.25	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.32	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.79	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.10	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.30	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.66	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.80	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.45	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.33	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.15	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.18	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.78	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.45	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	27.32	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.55	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.86	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.08	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.25	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.73	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.51	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.76	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.53	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.34	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.48	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.79	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.99	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.49	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
		For Metal Stud Clip, Add	*2.32*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.51	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*1.80*	
		For >10 To 50, Add	*0.90*	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.58	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.64	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	5.95	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.04	
		For Up To 10, Add	*3.61*	
		For >10 To 50, Add	*1.81*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	35.28	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	36.98	
		For Up To 10, Add	*24.04*	
		For >10 To 50, Add	*12.02*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry	47.59	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry	54.18	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Repair Masonry *(04 01 20 51)*		
		Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping	15.31	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors	14.51	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	2.92	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	5.87	
04 01 20 51-0006	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	23.31	
		For Cracks Accessible From Both Sides, Add	*4.78*	
04 01 20 51-0007	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	18.92	
		For Cracks Accessible From Both Sides, Add	*4.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0008	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	4.74	
		For V-Grooving Crack With Grinder, Add	*2.93*	
04 01 20 51-0009	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	6.81	
		For V-Grooving Crack With Grinder, Add	*2.78*	

04 01 20 51-0010 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0011	SF	Grind Smooth Masonry Wall	2.31	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	6.43	
		For Common Bond, Add	*0.23*	
		For Flemish Bond, Add	*0.80*	
		For English Bond, Add	*1.31*	
		For Oversized Or Larger Than Standard, Deduct	*-0.96*	
		For >250 To 1,000, Deduct	*-0.28*	
		For >1,000, Deduct	*-0.61*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	4.59	
		For Common Bond, Add	*0.15*	
		For Flemish Bond, Add	*0.54*	
		For English Bond, Add	*0.88*	
		For Oversized Or Larger Than Standard, Deduct	*-0.69*	
		For >250 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.42*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	3.53	
		For Common Bond, Add	*0.11*	
		For Oversized Or Larger Than Standard, Deduct	*-0.53*	
		For >250 To 1,000, Deduct	*-0.14*	
		For >1,000, Deduct	*-0.32*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	2.65	
		For Common Bond, Add	*0.08*	
		For Oversized Or Larger Than Standard, Deduct	*-0.40*	
		For >250 To 1,000, Deduct	*-0.10*	
		For >1,000, Deduct	*-0.23*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	2.58	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	3.56	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	7.11	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	10.66	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	9.02	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	8.32	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	8.54	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	9.35	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	9.86	

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.36	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.07	

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture	2.28	
04 05 13 26-0012	CF	Brown Colored Admixture	2.58	
04 05 13 26-0013	CF	Black Colored Admixture	3.19	
04 05 13 26-0014	CF	Red Colored Admixture	6.99	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0015		Portland Cement *(04 05 13 26)*		
04 05 13 26-0016	CF	Type I, Normal Portland Cement	12.12	
04 05 13 26-0017	CF	Type II, Modified Portland Cement	6.04	
04 05 13 26-0018	CF	Type III, High Early Strength Portland Cement	6.42	
04 05 13 26-0019	CF	Type I, White Non-Staining Portland Cement	13.43	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001		Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*		
		Note: Excludes block.		
04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	3.00	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	3.30	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	3.74	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	4.21	
04 05 16 26-0006		Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid	2.25	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid	3.38	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid	4.84	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid	5.98	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid	7.09	
04 05 16 26-0012		Grout Cavity Walls, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill	2.78	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill	3.95	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill	4.98	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill	6.83	
04 05 16 26-0017		Grout Frames, Grout Fill *(04 05 16 26)*		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	4.57	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	3.93	
04 05 16 26-0020		Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021		Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill	2.19	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill	3.05	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill	3.76	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill	5.04	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.24	
		For Hot-Dipped Galvanized, Add	*16.77*	
		For Stainless Steel, Add	*67.06*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	60.56	
		For Hot-Dipped Galvanized, Add	*17.61*	
		For Stainless Steel, Add	*70.44*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	64.76	
		For Hot-Dipped Galvanized, Add	*18.56*	
		For Stainless Steel, Add	*74.24*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.68	
		For Hot-Dipped Galvanized, Add	*19.64*	
		For Stainless Steel, Add	*78.56*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.16	
		For Hot-Dipped Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*82.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.89	
		For Hot-Dipped Galvanized, Add	*21.21*	
		For Stainless Steel, Add	*84.82*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.90	
		For Hot-Dipped Galvanized, Add	*21.80*	
		For Stainless Steel, Add	*87.18*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.66	
		For Hot-Dipped Galvanized, Add	*29.96*	
		For Stainless Steel, Add	*119.84*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.79	
		For Hot-Dipped Galvanized, Add	*46.31*	
		For Stainless Steel, Add	*185.24*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.82	
		For Hot-Dipped Galvanized, Add	*26.06*	
		For Stainless Steel, Add	*104.22*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.35	
		For Hot-Dipped Galvanized, Add	*27.01*	
		For Stainless Steel, Add	*108.02*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	83.76	
		For Hot-Dipped Galvanized, Add	*28.06*	
		For Stainless Steel, Add	*112.24*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.47	
		For Hot-Dipped Galvanized, Add	*29.04*	
		For Stainless Steel, Add	*116.14*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.90	
		For Hot-Dipped Galvanized, Add	*30.06*	
		For Stainless Steel, Add	*120.24*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	97.72	
		For Hot-Dipped Galvanized, Add	*30.63*	
		For Stainless Steel, Add	*122.50*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.59	
		For Hot-Dipped Galvanized, Add	*31.14*	
		For Stainless Steel, Add	*124.56*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.38	
		For Hot-Dipped Galvanized, Add	*42.32*	
		For Stainless Steel, Add	*169.28*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	178.20	
		For Hot-Dipped Galvanized, Add	*67.52*	
		For Stainless Steel, Add	*270.06*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.85	
		For Hot-Dipped Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*140.28*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.53	
		For Hot-Dipped Galvanized, Add	*37.00*	
		For Stainless Steel, Add	*147.98*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.20	
		For Hot-Dipped Galvanized, Add	*38.92*	
		For Stainless Steel, Add	*155.68*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.86	
		For Hot-Dipped Galvanized, Add	*41.23*	
		For Stainless Steel, Add	*164.92*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.47	
		For Hot-Dipped Galvanized, Add	*43.52*	
		For Stainless Steel, Add	*174.06*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.98	
		For Hot-Dipped Galvanized, Add	*44.75*	
		For Stainless Steel, Add	*178.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.61	
		For Hot-Dipped Galvanized, Add	*45.80*	
		For Stainless Steel, Add	*183.20*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.55	
		For Hot-Dipped Galvanized, Add	*47.91*	
		For Stainless Steel, Add	*191.62*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	202.35	
		For Hot-Dipped Galvanized, Add	*79.59*	
		For Stainless Steel, Add	*318.34*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.04	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.33	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.54	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.45	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.95	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.67	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.66	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.43	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.62	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.16	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.56	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.28	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.72	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.53	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.39	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.17	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	221.02	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.62	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.31	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.99	
		For Hot-Dipped Galvanized, Add	*60.32*	
		For Stainless Steel, Add	*241.26*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.63	
		For Hot-Dipped Galvanized, Add	*62.62*	
		For Stainless Steel, Add	*250.46*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.27	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.76	
		For Hot-Dipped Galvanized, Add	*66.14*	
		For Stainless Steel, Add	*264.54*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.38	
		For Hot-Dipped Galvanized, Add	*67.19*	
		For Stainless Steel, Add	*268.74*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.32	
		For Hot-Dipped Galvanized, Add	*69.29*	
		For Stainless Steel, Add	*277.16*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	245.13	
		For Hot-Dipped Galvanized, Add	*100.98*	
		For Stainless Steel, Add	*403.90*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.83	
		For Hot-Dipped Galvanized, Add	*59.56*	
		For Stainless Steel, Add	*238.24*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.12	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.56*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.33	
		For Hot-Dipped Galvanized, Add	*61.35*	
		For Stainless Steel, Add	*245.38*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.24	
		For Hot-Dipped Galvanized, Add	*62.42*	
		For Stainless Steel, Add	*249.68*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.73	
		For Hot-Dipped Galvanized, Add	*63.47*	
		For Stainless Steel, Add	*253.88*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	164.46	
		For Hot-Dipped Galvanized, Add	*63.99*	
		For Stainless Steel, Add	*255.94*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.44	
		For Hot-Dipped Galvanized, Add	*64.57*	
		For Stainless Steel, Add	*258.28*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	186.21	
		For Hot-Dipped Galvanized, Add	*72.74*	
		For Stainless Steel, Add	*290.94*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	221.36	
		For Hot-Dipped Galvanized, Add	*89.10*	
		For Stainless Steel, Add	*356.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0073		Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	161.41	
		For Hot-Dipped Galvanized, Add	*68.85*	
		For Stainless Steel, Add	*275.40*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	164.95	
		For Hot-Dipped Galvanized, Add	*69.81*	
		For Stainless Steel, Add	*279.22*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	169.35	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.07	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.51	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.31	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	186.18	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	210.96	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	263.80	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	
04 05 19 13-0083		Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.40	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	185.10	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	190.78	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	198.42	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	206.05	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	211.55	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	215.17	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	222.11	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	287.92	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	87.77	
		For Hot-Dipped Galvanized, Add	*28.50*	
		For Stainless Steel, Add	*113.98*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	96.43	
		For Hot-Dipped Galvanized, Add	*31.12*	
		For Stainless Steel, Add	*124.46*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	104.47	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.56	
		For Hot-Dipped Galvanized, Add	*34.76*	
		For Stainless Steel, Add	*139.04*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	114.73	
		For Hot-Dipped Galvanized, Add	*35.99*	
		For Stainless Steel, Add	*143.96*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.32	
		For Hot-Dipped Galvanized, Add	*38.74*	
		For Stainless Steel, Add	*154.96*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	130.57	
		For Hot-Dipped Galvanized, Add	*41.00*	
		For Stainless Steel, Add	*164.00*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.93	
		For Hot-Dipped Galvanized, Add	*40.08*	
		For Stainless Steel, Add	*160.30*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	119.64	
		For Hot-Dipped Galvanized, Add	*42.72*	
		For Stainless Steel, Add	*170.88*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	127.42	
		For Hot-Dipped Galvanized, Add	*44.90*	
		For Stainless Steel, Add	*179.60*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	133.77	
		For Hot-Dipped Galvanized, Add	*46.37*	
		For Stainless Steel, Add	*185.46*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.89	
		For Hot-Dipped Galvanized, Add	*47.57*	
		For Stainless Steel, Add	*190.28*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.47	
		For Hot-Dipped Galvanized, Add	*50.32*	
		For Stainless Steel, Add	*201.26*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	154.03	
		For Hot-Dipped Galvanized, Add	*52.73*	
		For Stainless Steel, Add	*210.92*	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	122.17	
		For Hot-Dipped Galvanized, Add	*45.70*	
		For Stainless Steel, Add	*182.78*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	133.55	
		For Hot-Dipped Galvanized, Add	*49.68*	
		For Stainless Steel, Add	*198.70*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	144.77	
		For Hot-Dipped Galvanized, Add	*53.58*	
		For Stainless Steel, Add	*214.30*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.35	
		For Hot-Dipped Galvanized, Add	*55.66*	
		For Stainless Steel, Add	*222.62*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	157.86	
		For Hot-Dipped Galvanized, Add	*57.56*	
		For Stainless Steel, Add	*230.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	169.07	
		For Hot-Dipped Galvanized, Add	*61.62*	
		For Stainless Steel, Add	*246.46*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	179.75	
		For Hot-Dipped Galvanized, Add	*65.59*	
		For Stainless Steel, Add	*262.36*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	150.10	
		For Hot-Dipped Galvanized, Add	*59.66*	
		For Stainless Steel, Add	*238.64*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.17	
		For Hot-Dipped Galvanized, Add	*61.49*	
		For Stainless Steel, Add	*245.94*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.29	
		For Hot-Dipped Galvanized, Add	*63.34*	
		For Stainless Steel, Add	*253.34*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.52	
		For Hot-Dipped Galvanized, Add	*65.39*	
		For Stainless Steel, Add	*261.54*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.72	
		For Hot-Dipped Galvanized, Add	*67.44*	
		For Stainless Steel, Add	*269.76*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.71	
		For Hot-Dipped Galvanized, Add	*70.57*	
		For Stainless Steel, Add	*282.28*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.40	
		For Hot-Dipped Galvanized, Add	*77.81*	
		For Stainless Steel, Add	*311.24*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	193.52	
		For Hot-Dipped Galvanized, Add	*79.66*	
		For Stainless Steel, Add	*318.64*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	201.10	
		For Hot-Dipped Galvanized, Add	*81.74*	
		For Stainless Steel, Add	*326.96*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	209.87	
		For Hot-Dipped Galvanized, Add	*83.56*	
		For Stainless Steel, Add	*334.24*	
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	217.12	
		For Hot-Dipped Galvanized, Add	*85.64*	
		For Stainless Steel, Add	*342.56*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	224.01	
		For Hot-Dipped Galvanized, Add	*87.72*	
		For Stainless Steel, Add	*350.88*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.07	
		For Hot-Dipped Galvanized, Add	*79.15*	
		For Stainless Steel, Add	*316.58*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.19	
		For Hot-Dipped Galvanized, Add	*82.00*	
		For Stainless Steel, Add	*327.98*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	207.26	
		For Hot-Dipped Galvanized, Add	*84.82*	
		For Stainless Steel, Add	*339.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	219.22	
		For Hot-Dipped Galvanized, Add	*88.24*	
		For Stainless Steel, Add	*352.94*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	229.09	
		For Hot-Dipped Galvanized, Add	*91.63*	
		For Stainless Steel, Add	*366.50*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	238.54	
		For Hot-Dipped Galvanized, Add	*94.99*	
		For Stainless Steel, Add	*379.94*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.30	
		For Hot-Dipped Galvanized, Add	*63.05*	
		For Stainless Steel, Add	*252.20*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.31	
		For Hot-Dipped Galvanized, Add	*64.85*	
		For Stainless Steel, Add	*259.38*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.04	
		For Hot-Dipped Galvanized, Add	*66.65*	
		For Stainless Steel, Add	*266.58*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	183.39	
		For Hot-Dipped Galvanized, Add	*68.78*	
		For Stainless Steel, Add	*275.10*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	190.23	
		For Hot-Dipped Galvanized, Add	*70.83*	
		For Stainless Steel, Add	*283.32*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	200.39	
		For Hot-Dipped Galvanized, Add	*74.96*	
		For Stainless Steel, Add	*299.84*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	196.65	
		For Hot-Dipped Galvanized, Add	*81.23*	
		For Stainless Steel, Add	*324.90*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	203.72	
		For Hot-Dipped Galvanized, Add	*83.05*	
		For Stainless Steel, Add	*332.20*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	212.96	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.42*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	219.69	
		For Hot-Dipped Galvanized, Add	*86.93*	
		For Stainless Steel, Add	*347.70*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	226.58	
		For Hot-Dipped Galvanized, Add	*89.01*	
		For Stainless Steel, Add	*356.02*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	237.21	
		For Hot-Dipped Galvanized, Add	*93.37*	
		For Stainless Steel, Add	*373.48*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.22	
		For Hot-Dipped Galvanized, Add	*82.51*	
		For Stainless Steel, Add	*330.04*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.34	
		For Hot-Dipped Galvanized, Add	*85.36*	
		For Stainless Steel, Add	*341.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	219.22	
		For Hot-Dipped Galvanized, Add	*88.24*	
		For Stainless Steel, Add	*352.94*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	229.09	
		For Hot-Dipped Galvanized, Add	*91.63*	
		For Stainless Steel, Add	*366.50*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	238.54	
		For Hot-Dipped Galvanized, Add	*94.99*	
		For Stainless Steel, Add	*379.94*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	250.10	
		For Hot-Dipped Galvanized, Add	*99.82*	
		For Stainless Steel, Add	*399.26*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	148.34	
		For Hot-Dipped Galvanized, Add	*57.07*	
		For Stainless Steel, Add	*228.28*	
		For Seismic Hook And Eye, Add	*24.54*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.74	
		For Hot-Dipped Galvanized, Add	*58.56*	
		For Stainless Steel, Add	*234.24*	
		For Seismic Hook And Eye, Add	*25.18*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	163.05	
		For Hot-Dipped Galvanized, Add	*60.15*	
		For Stainless Steel, Add	*240.60*	
		For Seismic Hook And Eye, Add	*25.86*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	169.53	
		For Hot-Dipped Galvanized, Add	*61.85*	
		For Stainless Steel, Add	*247.38*	
		For Seismic Hook And Eye, Add	*26.59*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.80	
		For Hot-Dipped Galvanized, Add	*63.62*	
		For Stainless Steel, Add	*254.46*	
		For Seismic Hook And Eye, Add	*27.35*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	180.88	
		For Hot-Dipped Galvanized, Add	*65.21*	
		For Stainless Steel, Add	*260.82*	
		For Seismic Hook And Eye, Add	*28.04*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.43	
		For Hot-Dipped Galvanized, Add	*74.12*	
		For Stainless Steel, Add	*296.46*	
		For Seismic Hook And Eye, Add	*31.87*	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	188.16	
		For Hot-Dipped Galvanized, Add	*75.27*	
		For Stainless Steel, Add	*301.08*	
		For Seismic Hook And Eye, Add	*32.37*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	196.58	
		For Hot-Dipped Galvanized, Add	*76.92*	
		For Stainless Steel, Add	*307.66*	
		For Seismic Hook And Eye, Add	*33.07*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	202.85	
		For Hot-Dipped Galvanized, Add	*78.51*	
		For Stainless Steel, Add	*314.02*	
		For Seismic Hook And Eye, Add	*33.76*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	208.76	
		For Hot-Dipped Galvanized, Add	*80.10*	
		For Stainless Steel, Add	*320.38*	
		For Seismic Hook And Eye, Add	*34.44*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	217.54	
		For Hot-Dipped Galvanized, Add	*83.54*	
		For Stainless Steel, Add	*334.14*	
		For Seismic Hook And Eye, Add	*35.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0177		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*		
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	184.95	
		For Hot-Dipped Galvanized, Add	*75.38*	
		For Stainless Steel, Add	*301.50*	
		For Seismic Hook And Eye, Add	*32.41*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	193.81	
		For Hot-Dipped Galvanized, Add	*78.10*	
		For Stainless Steel, Add	*312.38*	
		For Seismic Hook And Eye, Add	*33.58*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	204.33	
		For Hot-Dipped Galvanized, Add	*80.79*	
		For Stainless Steel, Add	*323.16*	
		For Seismic Hook And Eye, Add	*34.74*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	213.89	
		For Hot-Dipped Galvanized, Add	*84.03*	
		For Stainless Steel, Add	*336.10*	
		For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	223.09	
		For Hot-Dipped Galvanized, Add	*87.26*	
		For Stainless Steel, Add	*349.04*	
		For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	231.41	
		For Hot-Dipped Galvanized, Add	*90.47*	
		For Stainless Steel, Add	*361.88*	
		For Seismic Hook And Eye, Add	*38.90*	
04 05 19 13-0184		Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0185		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	158.54	
		For Hot-Dipped Galvanized, Add	*60.46*	
		For Stainless Steel, Add	*241.84*	
		For Seismic Hook And Eye, Add	*26.00*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	166.59	
		For Hot-Dipped Galvanized, Add	*61.92*	
		For Stainless Steel, Add	*247.68*	
		For Seismic Hook And Eye, Add	*26.63*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.61	
		For Hot-Dipped Galvanized, Add	*63.39*	
		For Stainless Steel, Add	*253.54*	
		For Seismic Hook And Eye, Add	*27.26*	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.09	
		For Hot-Dipped Galvanized, Add	*65.26*	
		For Stainless Steel, Add	*261.04*	
		For Seismic Hook And Eye, Add	*28.06*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.37	
		For Hot-Dipped Galvanized, Add	*66.95*	
		For Stainless Steel, Add	*267.80*	
		For Seismic Hook And Eye, Add	*28.79*	
04 05 19 13-0191		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.40	
		For Hot-Dipped Galvanized, Add	*76.89*	
		For Stainless Steel, Add	*307.56*	
		For Seismic Hook And Eye, Add	*33.06*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	199.71	
		For Hot-Dipped Galvanized, Add	*78.48*	
		For Stainless Steel, Add	*313.92*	
		For Seismic Hook And Eye, Add	*33.75*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	206.19	
		For Hot-Dipped Galvanized, Add	*80.18*	
		For Stainless Steel, Add	*320.70*	
		For Seismic Hook And Eye, Add	*34.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	211.64	
		For Hot-Dipped Galvanized, Add	*81.54*	
		For Stainless Steel, Add	*326.14*	
		For Seismic Hook And Eye, Add	*35.06*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	217.24	
		For Hot-Dipped Galvanized, Add	*83.39*	
		For Stainless Steel, Add	*333.54*	
		For Seismic Hook And Eye, Add	*35.86*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.78	
		For Hot-Dipped Galvanized, Add	*78.58*	
		For Stainless Steel, Add	*314.32*	
		For Seismic Hook And Eye, Add	*33.79*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.36	
		For Hot-Dipped Galvanized, Add	*81.31*	
		For Stainless Steel, Add	*325.22*	
		For Seismic Hook And Eye, Add	*34.96*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	213.89	
		For Hot-Dipped Galvanized, Add	*84.03*	
		For Stainless Steel, Add	*336.10*	
		For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	223.09	
		For Hot-Dipped Galvanized, Add	*87.26*	
		For Stainless Steel, Add	*349.04*	
		For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	231.41	
		For Hot-Dipped Galvanized, Add	*90.47*	
		For Stainless Steel, Add	*361.88*	
		For Seismic Hook And Eye, Add	*38.90*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.25	
		For Hot-Dipped Galvanized, Add	*23.77*	
		For Stainless Steel, Add	*95.08*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.40	
		For Hot-Dipped Galvanized, Add	*24.03*	
		For Stainless Steel, Add	*96.12*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	77.60	
		For Hot-Dipped Galvanized, Add	*24.98*	
		For Stainless Steel, Add	*99.92*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.82	
		For Hot-Dipped Galvanized, Add	*26.21*	
		For Stainless Steel, Add	*104.84*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.97	
		For Hot-Dipped Galvanized, Add	*27.60*	
		For Stainless Steel, Add	*110.38*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.16	
		For Hot-Dipped Galvanized, Add	*28.34*	
		For Stainless Steel, Add	*113.36*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.85	
		For Hot-Dipped Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*117.68*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.40	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.56	
		For Hot-Dipped Galvanized, Add	*43.70*	
		For Stainless Steel, Add	*174.78*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.37	
		For Hot-Dipped Galvanized, Add	*75.58*	
		For Stainless Steel, Add	*302.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	89.64	
		For Hot-Dipped Galvanized, Add	*32.97*	
		For Stainless Steel, Add	*131.86*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.19	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.39	
		For Hot-Dipped Galvanized, Add	*34.38*	
		For Stainless Steel, Add	*137.50*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.56	
		For Hot-Dipped Galvanized, Add	*35.58*	
		For Stainless Steel, Add	*142.32*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.46	
		For Hot-Dipped Galvanized, Add	*36.84*	
		For Stainless Steel, Add	*147.36*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.89	
		For Hot-Dipped Galvanized, Add	*37.71*	
		For Stainless Steel, Add	*150.84*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.28	
		For Hot-Dipped Galvanized, Add	*38.64*	
		For Stainless Steel, Add	*154.54*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.15	
		For Hot-Dipped Galvanized, Add	*53.71*	
		For Stainless Steel, Add	*214.82*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.31	
		For Hot-Dipped Galvanized, Add	*56.07*	
		For Stainless Steel, Add	*224.28*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	255.02	
		For Hot-Dipped Galvanized, Add	*105.93*	
		For Stainless Steel, Add	*423.70*	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.77	
		For Hot-Dipped Galvanized, Add	*47.03*	
		For Stainless Steel, Add	*188.12*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.78	
		For Hot-Dipped Galvanized, Add	*47.62*	
		For Stainless Steel, Add	*190.48*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.09	
		For Hot-Dipped Galvanized, Add	*49.37*	
		For Stainless Steel, Add	*197.46*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.91	
		For Hot-Dipped Galvanized, Add	*51.76*	
		For Stainless Steel, Add	*207.02*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.91	
		For Hot-Dipped Galvanized, Add	*54.74*	
		For Stainless Steel, Add	*218.94*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.68	
		For Hot-Dipped Galvanized, Add	*56.10*	
		For Stainless Steel, Add	*224.38*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.25	
		For Hot-Dipped Galvanized, Add	*58.12*	
		For Stainless Steel, Add	*232.48*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	203.91	
		For Hot-Dipped Galvanized, Add	*81.59*	
		For Stainless Steel, Add	*326.34*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	215.59	
		For Hot-Dipped Galvanized, Add	*86.21*	
		For Stainless Steel, Add	*344.82*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	344.31	
		For Hot-Dipped Galvanized, Add	*149.05*	
		For Stainless Steel, Add	*596.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0238		Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.04	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.33	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.54	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.45	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.95	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.67	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.66	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.43	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	
04 05 19 13-0247		Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.62	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.16	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.56	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.28	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.72	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.53	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.39	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.17	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	221.02	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	
04 05 19 13-0257		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.62	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.31	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0260		CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.99	
			For Hot-Dipped Galvanized, Add	*60.32*	
			For Stainless Steel, Add	*241.26*	
04 05 19 13-0261		CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.63	
			For Hot-Dipped Galvanized, Add	*62.62*	
			For Stainless Steel, Add	*250.46*	
04 05 19 13-0262		CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.27	
			For Hot-Dipped Galvanized, Add	*64.92*	
			For Stainless Steel, Add	*259.66*	
04 05 19 13-0263		CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.76	
			For Hot-Dipped Galvanized, Add	*66.14*	
			For Stainless Steel, Add	*264.54*	
04 05 19 13-0264		CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.38	
			For Hot-Dipped Galvanized, Add	*67.19*	
			For Stainless Steel, Add	*268.74*	
04 05 19 13-0265		CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.32	
			For Hot-Dipped Galvanized, Add	*69.29*	
			For Stainless Steel, Add	*277.16*	
04 05 19 13-0266		CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	245.13	
			For Hot-Dipped Galvanized, Add	*100.98*	
			For Stainless Steel, Add	*403.90*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268		CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.83	
			For Hot-Dipped Galvanized, Add	*59.56*	
			For Stainless Steel, Add	*238.24*	
04 05 19 13-0269		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.12	
			For Hot-Dipped Galvanized, Add	*60.39*	
			For Stainless Steel, Add	*241.56*	
04 05 19 13-0270		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.33	
			For Hot-Dipped Galvanized, Add	*61.35*	
			For Stainless Steel, Add	*245.38*	
04 05 19 13-0271		CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.24	
			For Hot-Dipped Galvanized, Add	*62.42*	
			For Stainless Steel, Add	*249.68*	
04 05 19 13-0272		CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.73	
			For Hot-Dipped Galvanized, Add	*63.47*	
			For Stainless Steel, Add	*253.88*	
04 05 19 13-0273		CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.46	
			For Hot-Dipped Galvanized, Add	*63.99*	
			For Stainless Steel, Add	*255.94*	
04 05 19 13-0274		CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.44	
			For Hot-Dipped Galvanized, Add	*64.57*	
			For Stainless Steel, Add	*258.28*	
04 05 19 13-0275		CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.21	
			For Hot-Dipped Galvanized, Add	*72.74*	
			For Stainless Steel, Add	*290.94*	
04 05 19 13-0276		CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	221.36	
			For Hot-Dipped Galvanized, Add	*89.10*	
			For Stainless Steel, Add	*356.38*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278		CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.41	
			For Hot-Dipped Galvanized, Add	*68.85*	
			For Stainless Steel, Add	*275.40*	
04 05 19 13-0279		CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.95	
			For Hot-Dipped Galvanized, Add	*69.81*	
			For Stainless Steel, Add	*279.22*	
04 05 19 13-0280		CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.35	
			For Hot-Dipped Galvanized, Add	*70.86*	
			For Stainless Steel, Add	*283.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.07	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.51	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.31	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.18	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	210.96	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	263.80	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.40	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.10	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	190.78	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	198.42	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	206.05	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	211.55	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	215.17	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	222.11	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	287.92	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	105.28	
		For Hot-Dipped Galvanized, Add	*37.25*	
		For Stainless Steel, Add	*149.00*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	112.29	
		For Hot-Dipped Galvanized, Add	*39.05*	
		For Stainless Steel, Add	*156.18*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	120.28	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	126.84	
		For Hot-Dipped Galvanized, Add	*42.90*	
		For Stainless Steel, Add	*171.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	131.16	
		For Hot-Dipped Galvanized, Add	*44.21*	
		For Stainless Steel, Add	*176.82*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	140.57	
		For Hot-Dipped Galvanized, Add	*47.37*	
		For Stainless Steel, Add	*189.46*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	149.61	
		For Hot-Dipped Galvanized, Add	*50.52*	
		For Stainless Steel, Add	*202.08*	
04 05 19 13-0306		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*		
04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	128.49	
		For Hot-Dipped Galvanized, Add	*48.86*	
		For Stainless Steel, Add	*195.42*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	135.55	
		For Hot-Dipped Galvanized, Add	*50.68*	
		For Stainless Steel, Add	*202.70*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	143.44	
		For Hot-Dipped Galvanized, Add	*52.91*	
		For Stainless Steel, Add	*211.64*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	150.04	
		For Hot-Dipped Galvanized, Add	*54.50*	
		For Stainless Steel, Add	*218.00*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	154.22	
		For Hot-Dipped Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*222.94*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	163.67	
		For Hot-Dipped Galvanized, Add	*58.92*	
		For Stainless Steel, Add	*235.66*	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	172.82	
		For Hot-Dipped Galvanized, Add	*62.13*	
		For Stainless Steel, Add	*248.50*	
04 05 19 13-0314		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*		
04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	150.00	
		For Hot-Dipped Galvanized, Add	*59.61*	
		For Stainless Steel, Add	*238.44*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	159.07	
		For Hot-Dipped Galvanized, Add	*62.44*	
		For Stainless Steel, Add	*249.74*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	170.24	
		For Hot-Dipped Galvanized, Add	*66.31*	
		For Stainless Steel, Add	*265.24*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	177.87	
		For Hot-Dipped Galvanized, Add	*68.42*	
		For Stainless Steel, Add	*273.66*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	183.79	
		For Hot-Dipped Galvanized, Add	*70.52*	
		For Stainless Steel, Add	*282.08*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	196.38	
		For Hot-Dipped Galvanized, Add	*75.27*	
		For Stainless Steel, Add	*301.08*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	206.97	
		For Hot-Dipped Galvanized, Add	*79.20*	
		For Stainless Steel, Add	*316.80*	
04 05 19 13-0322		Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0323		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	177.62	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.07	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	189.08	
		For Hot-Dipped Galvanized, Add	*75.73*	
		For Stainless Steel, Add	*302.92*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.99	
		For Hot-Dipped Galvanized, Add	*78.12*	
		For Stainless Steel, Add	*312.48*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	207.73	
		For Hot-Dipped Galvanized, Add	*80.95*	
		For Stainless Steel, Add	*323.78*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	217.34	
		For Hot-Dipped Galvanized, Add	*84.39*	
		For Stainless Steel, Add	*337.54*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	213.51	
		For Hot-Dipped Galvanized, Add	*91.37*	
		For Stainless Steel, Add	*365.46*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	218.47	
		For Hot-Dipped Galvanized, Add	*92.14*	
		For Stainless Steel, Add	*368.54*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	225.49	
		For Hot-Dipped Galvanized, Add	*93.94*	
		For Stainless Steel, Add	*375.74*	
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	235.29	
		For Hot-Dipped Galvanized, Add	*96.27*	
		For Stainless Steel, Add	*385.08*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	243.57	
		For Hot-Dipped Galvanized, Add	*98.87*	
		For Stainless Steel, Add	*395.46*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	251.53	
		For Hot-Dipped Galvanized, Add	*101.48*	
		For Stainless Steel, Add	*405.92*	

04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	233.18	
		For Hot-Dipped Galvanized, Add	*101.20*	
		For Stainless Steel, Add	*404.80*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	238.14	
		For Hot-Dipped Galvanized, Add	*101.97*	
		For Stainless Steel, Add	*407.88*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	247.21	
		For Hot-Dipped Galvanized, Add	*104.80*	
		For Stainless Steel, Add	*419.18*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	259.73	
		For Hot-Dipped Galvanized, Add	*108.49*	
		For Stainless Steel, Add	*433.96*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	272.16	
		For Hot-Dipped Galvanized, Add	*113.16*	
		For Stainless Steel, Add	*452.64*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	285.27	
		For Hot-Dipped Galvanized, Add	*118.35*	
		For Stainless Steel, Add	*473.40*	

04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0345		**9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement** *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	187.87	
		For Hot-Dipped Galvanized, Add	*76.84*	
		For Stainless Steel, Add	*307.34*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.37	
		For Hot-Dipped Galvanized, Add	*77.38*	
		For Stainless Steel, Add	*309.50*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	200.99	
		For Hot-Dipped Galvanized, Add	*79.12*	
		For Stainless Steel, Add	*316.48*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.81	
		For Hot-Dipped Galvanized, Add	*81.49*	
		For Stainless Steel, Add	*325.94*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	217.29	
		For Hot-Dipped Galvanized, Add	*84.36*	
		For Stainless Steel, Add	*337.44*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	225.04	
		For Hot-Dipped Galvanized, Add	*87.29*	
		For Stainless Steel, Add	*349.14*	
04 05 19 13-0352		**3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement** *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	223.66	
		For Hot-Dipped Galvanized, Add	*94.73*	
		For Stainless Steel, Add	*378.92*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.62	
		For Hot-Dipped Galvanized, Add	*95.50*	
		For Stainless Steel, Add	*382.00*	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	237.34	
		For Hot-Dipped Galvanized, Add	*97.30*	
		For Stainless Steel, Add	*389.18*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	245.16	
		For Hot-Dipped Galvanized, Add	*99.66*	
		For Stainless Steel, Add	*398.64*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	253.07	
		For Hot-Dipped Galvanized, Add	*102.25*	
		For Stainless Steel, Add	*409.00*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	261.13	
		For Hot-Dipped Galvanized, Add	*105.33*	
		For Stainless Steel, Add	*421.32*	
04 05 19 13-0359		**3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement** *(04 05 19 13-0344)*		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	243.38	
		For Hot-Dipped Galvanized, Add	*104.59*	
		For Stainless Steel, Add	*418.36*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	248.28	
		For Hot-Dipped Galvanized, Add	*105.33*	
		For Stainless Steel, Add	*421.32*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	259.16	
		For Hot-Dipped Galvanized, Add	*108.21*	
		For Stainless Steel, Add	*432.82*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	269.60	
		For Hot-Dipped Galvanized, Add	*111.88*	
		For Stainless Steel, Add	*447.52*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	281.62	
		For Hot-Dipped Galvanized, Add	*116.53*	
		For Stainless Steel, Add	*466.10*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	290.61	
		For Hot-Dipped Galvanized, Add	*120.07*	
		For Stainless Steel, Add	*480.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	174.06	
		For Hot-Dipped Galvanized, Add	*69.93*	
		For Stainless Steel, Add	*279.72*	
		For Seismic Hook And Eye, Add	*30.07*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	178.46	
		For Hot-Dipped Galvanized, Add	*70.42*	
		For Stainless Steel, Add	*281.68*	
		For Seismic Hook And Eye, Add	*30.28*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	186.62	
		For Hot-Dipped Galvanized, Add	*71.94*	
		For Stainless Steel, Add	*287.74*	
		For Seismic Hook And Eye, Add	*30.93*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	194.07	
		For Hot-Dipped Galvanized, Add	*74.12*	
		For Stainless Steel, Add	*296.46*	
		For Seismic Hook And Eye, Add	*31.87*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	201.32	
		For Hot-Dipped Galvanized, Add	*76.38*	
		For Stainless Steel, Add	*305.50*	
		For Seismic Hook And Eye, Add	*32.84*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	208.76	
		For Hot-Dipped Galvanized, Add	*79.15*	
		For Stainless Steel, Add	*316.58*	
		For Seismic Hook And Eye, Add	*34.03*	

04 05 19 13-0374 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	207.02	
		For Hot-Dipped Galvanized, Add	*86.41*	
		For Stainless Steel, Add	*345.64*	
		For Seismic Hook And Eye, Add	*37.16*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	211.78	
		For Hot-Dipped Galvanized, Add	*87.08*	
		For Stainless Steel, Add	*348.32*	
		For Seismic Hook And Eye, Add	*37.44*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	219.68	
		For Hot-Dipped Galvanized, Add	*88.47*	
		For Stainless Steel, Add	*353.86*	
		For Seismic Hook And Eye, Add	*38.04*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	226.93	
		For Hot-Dipped Galvanized, Add	*90.55*	
		For Stainless Steel, Add	*362.18*	
		For Seismic Hook And Eye, Add	*38.93*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	234.13	
		For Hot-Dipped Galvanized, Add	*92.78*	
		For Stainless Steel, Add	*371.12*	
		For Seismic Hook And Eye, Add	*39.90*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	240.96	
		For Hot-Dipped Galvanized, Add	*95.25*	
		For Stainless Steel, Add	*380.98*	
		For Seismic Hook And Eye, Add	*40.96*	

04 05 19 13-0381 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	226.95	
		For Hot-Dipped Galvanized, Add	*96.38*	
		For Stainless Steel, Add	*385.50*	
		For Seismic Hook And Eye, Add	*41.44*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	231.85	
		For Hot-Dipped Galvanized, Add	*97.12*	
		For Stainless Steel, Add	*388.46*	
		For Seismic Hook And Eye, Add	*41.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	242.38	
		For Hot-Dipped Galvanized, Add	*99.82*	
		For Stainless Steel, Add	*399.26*	
		For Seismic Hook And Eye, Add	*42.92*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	252.50	
		For Hot-Dipped Galvanized, Add	*103.33*	
		For Stainless Steel, Add	*413.32*	
		For Seismic Hook And Eye, Add	*44.43*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	264.11	
		For Hot-Dipped Galvanized, Add	*107.77*	
		For Stainless Steel, Add	*431.08*	
		For Seismic Hook And Eye, Add	*46.34*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	275.87	
		For Hot-Dipped Galvanized, Add	*112.70*	
		For Stainless Steel, Add	*450.80*	
		For Seismic Hook And Eye, Add	*48.46*	

04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*

04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.05	
		For Hot-Dipped Galvanized, Add	*73.22*	
		For Stainless Steel, Add	*292.86*	
		For Seismic Hook And Eye, Add	*31.48*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.21	
		For Hot-Dipped Galvanized, Add	*73.73*	
		For Stainless Steel, Add	*294.92*	
		For Seismic Hook And Eye, Add	*31.70*	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	196.53	
		For Hot-Dipped Galvanized, Add	*75.35*	
		For Stainless Steel, Add	*301.38*	
		For Seismic Hook And Eye, Add	*32.40*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.89	
		For Hot-Dipped Galvanized, Add	*77.66*	
		For Stainless Steel, Add	*310.64*	
		For Seismic Hook And Eye, Add	*33.39*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	211.13	
		For Hot-Dipped Galvanized, Add	*80.33*	
		For Stainless Steel, Add	*321.32*	
		For Seismic Hook And Eye, Add	*34.54*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	219.58	
		For Hot-Dipped Galvanized, Add	*90.98*	
		For Stainless Steel, Add	*363.92*	
		For Seismic Hook And Eye, Add	*39.12*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	225.84	
		For Hot-Dipped Galvanized, Add	*91.55*	
		For Stainless Steel, Add	*366.18*	
		For Seismic Hook And Eye, Add	*39.36*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	232.06	
		For Hot-Dipped Galvanized, Add	*93.11*	
		For Stainless Steel, Add	*372.44*	
		For Seismic Hook And Eye, Add	*40.04*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	239.00	
		For Hot-Dipped Galvanized, Add	*95.22*	
		For Stainless Steel, Add	*380.86*	
		For Seismic Hook And Eye, Add	*40.94*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	245.22	
		For Hot-Dipped Galvanized, Add	*97.38*	
		For Stainless Steel, Add	*389.50*	
		For Seismic Hook And Eye, Add	*41.87*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	236.83	
		For Hot-Dipped Galvanized, Add	*99.61*	
		For Stainless Steel, Add	*398.42*	
		For Seismic Hook And Eye, Add	*42.83*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	243.40	
		For Hot-Dipped Galvanized, Add	*100.33*	
		For Stainless Steel, Add	*401.30*	
		For Seismic Hook And Eye, Add	*43.14*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	251.93	
		For Hot-Dipped Galvanized, Add	*103.05*	
		For Stainless Steel, Add	*412.18*	
		For Seismic Hook And Eye, Add	*44.31*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	261.65	
		For Hot-Dipped Galvanized, Add	*106.54*	
		For Stainless Steel, Add	*426.16*	
		For Seismic Hook And Eye, Add	*45.81*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	272.43	
		For Hot-Dipped Galvanized, Add	*110.98*	
		For Stainless Steel, Add	*443.92*	
		For Seismic Hook And Eye, Add	*47.72*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	0.96
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.04
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.12
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.22
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.33
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.12
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.22
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.33
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.43

04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.81
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.84
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.88
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.93
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.99
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.88
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.93
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.99
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.05

04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*

04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.81
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.86
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.01
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.08
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.09
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.19
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.30
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.37

04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.70
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.72
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.83
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.86
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.87
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.93
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.99
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.06

04 05 19 16-0041 Wire Beam Ties *(04 05 19 16)*

04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*

04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.22
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.25
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.32	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.39	
04 05 19 16-0048		**Mill Galvanized, Wire Beam Ties** *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.52	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.60	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.69	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.73	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.80	
04 05 19 16-0054		**Adjustable Double Pintle, Wire Masonry Wall Ties** *(04 05 19 16)*		
04 05 19 16-0055		**Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties** *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.39	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.47	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.49	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.56	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.58	
04 05 19 16-0061		**Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties** *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.12	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.17	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.19	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.23	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.25	
04 05 19 16-0067		**Corrugated Buck (Brick) Anchors** *(04 05 19 16)*		
04 05 19 16-0068		**Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.77	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.85	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.93	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.02	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.10	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.84	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.93	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.02	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.10	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.19	
04 05 19 16-0079		**Mill Galvanized, Corrugated Buck (Brick) Anchors** *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.47	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.54	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.60	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.66	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.72	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.53	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.59	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.66	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.72	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.79	
04 05 19 16-0090		**Corrugated Wall Ties** *(04 05 19 16)*		
04 05 19 16-0091		**Hot-Dipped Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.70	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.77	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.79	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.81	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.05	
04 05 19 16-0097		**Mill Galvanized, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.72	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.74	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.76	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.94	
04 05 19 16-0102		**Stainless Steel, Corrugated Wall Ties** *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	0.96	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.02	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.08	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.13	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.40	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0108		**Wire Mesh Wall Ties** *(04 05 19 16)* Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.60	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.02	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.46	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.28	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.96	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.83	
04 05 19 16-0115		**Triangle Brick Ties** *(04 05 19 16)*		
04 05 19 16-0116		**Hot-Dipped Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.39	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.42	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.52	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.66	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.73	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.91	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.76	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.78	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.81	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.87	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.90	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.99	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.05	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.24	
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.21	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.22	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.23	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.29	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.34	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.37	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.43	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.43	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.45	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.52	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.61	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.65	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.75	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	4.98	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	5.99	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	6.53	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	4.98	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.28	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.26	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.18	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.41	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.70	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.95	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.21	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.47	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.22	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.04	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.86	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.69	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.51	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.34	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.95	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.15	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.35	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.56	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.75	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.96	
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.39	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.48	
04 05 19 16-0183		Wire Column Ties *(04 05 19 16)*		
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.75	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.89	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.99	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.13	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.87	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.99	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.08	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.16	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.47	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.71	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.87	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.09	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.71	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.87	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.01	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.16	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.51	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.60	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.65	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.73	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.54	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.63	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.68	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.75	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.04	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.20	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.27	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.42	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.97	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.23	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.34	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.42	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	2.64	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.05	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.28	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.40	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.67	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	1.83	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.34	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.46	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.64	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	2.75	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.36	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.73	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.86	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.28	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	3.69	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*

04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	2.65
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	2.93
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.22
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.58
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	3.79

04 05 19 16-0244 Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*

04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	0.96
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.08
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.22
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	0.99
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.23
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.42
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.06
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.22
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.39

04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*

04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.84
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.92
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.00
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.90
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.07
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.20
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	0.93
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.12
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.26

04 05 19 16-0265 Dovetail Stone Anchors *(04 05 19 16-0218)*

04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*

04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.23
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.36
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.50

04 05 19 16-0270 Dovetail Partition Top Anchors *(04 05 19 16-0218)*

04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	3.38
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	5.63

04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*

04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*

04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	1.91
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.08
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.21
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.32

04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*

04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.67
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.68
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.76
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	1.95

04 05 19 26 Masonry Reinforcing Bars *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*

04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	0.68
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.15
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.69
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.29
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	0.70
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.18
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.74
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.36
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	0.72
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.23
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.81
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.47
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	0.77
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.86	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.51	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	0.79	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.91	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.58	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	0.81	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.98	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.69	

04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*

04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.86	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.48	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.20	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.02	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.88	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.51	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.25	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.09	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	0.91	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.56	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.32	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.20	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.95	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.61	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.37	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.24	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	0.97	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.64	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.42	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.31	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.00	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.69	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.49	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.42	

04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.84	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.44	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.14	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.94	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.86	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.47	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.19	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.01	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	0.89	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.52	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.27	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.12	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.93	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.57	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.31	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.16	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.95	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.60	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.36	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.23	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	0.98	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.65	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.44	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.34	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	5.13	0.61
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	4.97	0.61
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	11.10	0.61

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	2.78	0.61
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	2.92	0.61
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.71	0.61
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.07	0.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	3.77	0.61
04 05 23 16		**Masonry Embedded Flashing** *(04 05 23)*		
04 05 23 16-0001		Lead Coated Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.42	1.00
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.38	1.00
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.06	1.00
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.43	1.00
04 05 23 16-0007		Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.36	1.00
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.23	1.00
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.31	1.00
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.16	1.00
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	7.63	1.00
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	8.84	1.00
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.58	1.00
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.20	1.00
04 05 23 16-0017		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	6.14	0.93
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.24	0.88
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.44	0.88
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.68	0.88
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.47	0.88
04 05 23 16-0025		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	5.96	0.93
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	6.68	0.93
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.64	0.93
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.37	0.93
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	11.11	0.93
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	6.67	0.93
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.30	0.93
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.56	0.93
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.64	0.93
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.87	0.93
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.04	0.93
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.76	0.93
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.72	0.93
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.44	0.93
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.18	0.93
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.14	0.93
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.01	0.93
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.28	0.93
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.94	0.93
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.01	0.93
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.04	0.93
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.66	0.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	7.53	0.93
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.87	0.93
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)*		
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	72.04	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	90.13	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	115.36	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	91.43	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	114.06	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	146.22	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	110.24	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	152.32	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	189.23	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	155.84	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	204.11	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	254.66	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001		Brick Masonry *(04 21 13)*		
04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond	18.35	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
		For Buff Or Gray, Add	*1.10*	
		For Common Or American Bond, Add	*0.47*	
		For English Bond, Add	*0.94*	
		For Flemish Bond, Add	*2.09*	
		For Stacked Bond, Add	*1.51*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.97*	
		For Curved Wall, Add	*2.35*	
		For Corbels, Add	*8.82*	
		For Severe Weather (SW) Brick, Add	*0.99*	
		For Glazed Brick, Add	*23.07*	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond	19.66	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
		For Buff Or Gray, Add	*1.36*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.13*	
		For Stacked Bond, Add	*1.56*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.66*	
		For Curved Wall, Add	*2.30*	
		For Corbels, Add	*8.63*	
		For Severe Weather (SW) Brick, Add	*1.22*	
		For Glazed Brick, Add	*28.56*	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond	18.35	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	*1.10*	
		For Common Or American Bond, Add	*0.47*	
		For English Bond, Add	*0.94*	
		For Flemish Bond, Add	*2.09*	
		For Stacked Bond, Add	*1.51*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.97*	
		For Curved Wall, Add	*2.35*	
		For Corbels, Add	*8.82*	
		For Severe Weather (SW) Brick, Add	*0.99*	
		For Glazed Brick, Add	*23.07*	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond	19.66	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
		For Buff Or Gray, Add	*1.36*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.13*	
		For Stacked Bond, Add	*1.56*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.66*	
		For Curved Wall, Add	*2.30*	
		For Corbels, Add	*8.63*	
		For Severe Weather (SW) Brick, Add	*1.22*	
		For Glazed Brick, Add	*28.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond	19.45	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.33*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.12*	
		For Stacked Bond, Add	*1.55*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.65*	
		For Curved Wall, Add	*2.30*	
		For Corbels, Add	*8.63*	
		For Severe Weather (SW) Brick, Add	*1.19*	
		For Glazed Brick, Add	*27.83*	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond	14.83	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
		For Buff Or Gray, Add	*1.13*	
		For Common Or American Bond, Add	*0.32*	
		For English Bond, Add	*0.64*	
		For Flemish Bond, Add	*1.54*	
		For Stacked Bond, Add	*1.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.39*	
		For Curved Wall, Add	*1.61*	
		For Corbels, Add	*6.02*	
		For Severe Weather (SW) Brick, Add	*1.02*	
		For Glazed Brick, Add	*23.80*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond	12.80	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	*0.80*	
		For Common Or American Bond, Add	*0.32*	
		For English Bond, Add	*0.64*	
		For Flemish Bond, Add	*1.44*	
		For Stacked Bond, Add	*1.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.28*	
		For Curved Wall, Add	*1.61*	
		For Corbels, Add	*6.02*	
		For Severe Weather (SW) Brick, Add	*0.72*	
		For Glazed Brick, Add	*16.70*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond	20.07	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.43*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.15*	
		For Stacked Bond, Add	*1.58*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.68*	
		For Curved Wall, Add	*2.30*	
		For Corbels, Add	*8.63*	
		For Severe Weather (SW) Brick, Add	*1.29*	
		For Glazed Brick, Add	*30.00*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond	21.87	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	*1.73*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.24*	
		For Stacked Bond, Add	*1.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.77*	
		For Curved Wall, Add	*2.30*	
		For Corbels, Add	*8.63*	
		For Severe Weather (SW) Brick, Add	*1.56*	
		For Glazed Brick, Add	*36.30*	
04 21 13 00-0011		**Fire Brick** *(04 21 13)*		
04 21 13 00-0012	SF	Running Bond, Red Fire Brick	23.68	
		For Buff Or Gray, Add	*2.03*	
		For Common Or American Bond, Add	*0.46*	
		For English Bond, Add	*0.92*	
		For Flemish Bond, Add	*2.33*	
		For Stacked Bond, Add	*1.76*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.86*	
04 21 13 00-0013		**Window Sill** *(04 21 13)*		
04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill	14.73	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill	14.94	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
		For Buff Or Gray, Add	*0.33*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill	14.73	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill	15.08	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.35*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill	16.00	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	16.19	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	16.19	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	15.20	
		For Buff Or Gray, Add	*0.37*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	15.30	
		For Buff Or Gray, Add	*0.39*	

04 21 13 00-0023 Adobe Brick *(04 21 13)*

04 21 13 00-0024	EA	10" x 14" x 4" Adobe Brick, Set In Place Note: Includes mortar, and moving around site	7.83	
		For Up To 3,000, Add	*1.86*	
		For Installation Over 8', Add	*1.19*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	18.85	
		For Smooth Face, One Side, Add	*1.35*	
		For Smooth Face, Two Sides, Add	*2.33*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	20.66	
		For Smooth Face, One Side, Add	*1.51*	
		For Smooth Face, Two Sides, Add	*2.60*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	23.56	
		For Smooth Face, One Side, Add	*1.77*	
		For Smooth Face, Two Sides, Add	*3.06*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	34.30	
		For Smooth Face, One Side, Add	*2.80*	
		For Smooth Face, Two Sides, Add	*4.92*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	46.46	
		For Smooth Face, One Side, Add	*3.96*	
		For Smooth Face, Two Sides, Add	*6.99*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	15.50	
		For Smooth Face, One Side, Add	*1.08*	
		For Smooth Face, Two Sides, Add	*1.85*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.28	
		For Smooth Face, One Side, Add	*1.43*	
		For Smooth Face, Two Sides, Add	*2.48*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.68	
		For Smooth Face, One Side, Add	*1.45*	
		For Smooth Face, Two Sides, Add	*2.51*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	32.43	
		For Smooth Face, One Side, Add	*2.68*	
		For Smooth Face, Two Sides, Add	*4.72*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	45.61	
		For Smooth Face, One Side, Add	*3.94*	
		For Smooth Face, Two Sides, Add	*6.96*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	24.80	
		For Stacked Bond, Add	*1.27*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	29.00	
		For Stacked Bond, Add	*1.27*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	37.20	
		For Stacked Bond, Add	*1.33*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	24.60	
		For Stacked Bond, Add	*1.50*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	31.60	
		For Stacked Bond, Add	*1.50*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	20.97	
		For Stacked Bond, Add	*0.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.18	
		For Stacked Bond, Add	*0.87*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	39.71	
		For Stacked Bond, Add	*0.93*	
04 21 26 00-0014		**Special Shapes 8W Series Structural Glazed Clay Tile** *(04 21 26 00-0009)*		
04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	29.19	
		For Stacked Bond, Add	*1.04*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	29.13	
		For Stacked Bond, Add	*1.04*	
04 21 26 00-0017		**4W Series Structural Glazed Clay Tile** *(04 21 26)*		
04 21 26 00-0018		**Glazed On One Side 4W Series Structural Glazed Clay Tile** *(04 21 26 00-0017)*		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	26.38	
		For Stacked Bond, Add	*1.27*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	28.48	
		For Stacked Bond, Add	*1.27*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	37.46	
		For Stacked Bond, Add	*1.33*	
04 21 26 00-0022		**Special Shapes 4W Series Structural Glazed Clay Tile** *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	25.88	
		For Stacked Bond, Add	*1.50*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	31.49	
		For Stacked Bond, Add	*1.50*	
04 21 26 00-0025		**6T Series Sound Absorbing Structural Glazed Tile** *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	27.02	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	29.42	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	34.27	
04 21 26 00-0029		**8T Series Sound Absorbing Structural Glazed Tile** *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	34.58	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	39.68	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	46.66	
04 21 29		**Terra Cotta Masonry** *(04 21)*		
04 21 29 00-0001		**Coping** *(04 21 29)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF	Terra Cotta Coping	75.93	24.79
		For Smooth Tile Instead Of Scored, Add	*3.89*	
		For Reinforcing With Steel Rods, Add	*5.96*	
04 21 29 00-0003		**Partition Or Back Up (Scored)** *(04 21 29)*		
04 21 29 00-0004		**Non-load Bearing, 12" x 12"** *(04 21 29 00-0003)*		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	26.24	
		For Smooth Tile Instead Of Scored, Add	*3.93*	
		For Reinforcing With Steel Rods, Add	*3.50*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	27.70	
		For Smooth Tile Instead Of Scored, Add	*4.11*	
		For Reinforcing With Steel Rods, Add	*3.67*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	36.58	
		For Smooth Tile Instead Of Scored, Add	*5.61*	
		For Reinforcing With Steel Rods, Add	*4.95*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	45.28	
		For Smooth Tile Instead Of Scored, Add	*7.06*	
		For Reinforcing With Steel Rods, Add	*6.19*	
04 21 29 00-0009		**Load Bearing, 12" x 12"** *(04 21 29 00-0003)*		
04 21 29 00-0010		**In Walls** *(04 21 29 00-0009)*		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	29.70	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*3.97*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	41.15	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.63*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	49.74	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*6.85*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	51.60	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*7.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	62.24	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.53*	

04 21 29 00-0016 In Floors *(04 21 29 00-0009)*

04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	28.08	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*3.89*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	39.35	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.54*	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	47.89	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*6.76*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	49.53	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*6.94*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	59.53	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.39*	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	8.23	
		For Stacked Bond, Add	*1.60*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*1.23*	
		For <10, Small Area Replacements (Individual Areas), Add	*9.37*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	9.30	
		For Stacked Bond, Add	*1.73*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*1.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*10.17*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	10.12	
		For Stacked Bond, Add	*1.86*	
		For Scored Block, Add	*0.60*	
		For Curved Wall Application, Add	*1.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*10.93*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	11.44	
		For Stacked Bond, Add	*1.94*	
		For Scored Block, Add	*0.79*	
		For Curved Wall Application, Add	*1.49*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.50*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	13.49	
		For Stacked Bond, Add	*2.40*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*1.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.15*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	9.08	
		For Stacked Bond, Add	*1.64*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*1.26*	
		For <10, Small Area Replacements (Individual Areas), Add	*9.66*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	9.94	
		For Stacked Bond, Add	*1.80*	
		For Scored Block, Add	*0.60*	
		For Curved Wall Application, Add	*1.39*	
		For <10, Small Area Replacements (Individual Areas), Add	*10.62*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	10.47	
		For Stacked Bond, Add	*1.91*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*1.47*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.27*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	12.01	
		For Stacked Bond, Add	*2.00*	
		For Scored Block, Add	*0.86*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.89*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	14.12	
		For Stacked Bond, Add	*2.48*	
		For Scored Block, Add	*0.92*	
		For Curved Wall Application, Add	*1.90*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0015		Normal Weight Concrete Blocks *(04 22 23 13-0001)*		
04 22 23 13-0016		Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	8.39	
		For Stacked Bond, Add	*1.64*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*1.26*	
		For <10, Small Area Replacements (Individual Areas), Add	*9.61*	
		For 3,500 PSI, Add	*0.44*	
		For 5,000 PSI, Add	*0.75*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	9.31	
		For Stacked Bond, Add	*1.80*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*1.39*	
		For <10, Small Area Replacements (Individual Areas), Add	*10.57*	
		For 3,500 PSI, Add	*0.50*	
		For 5,000 PSI, Add	*0.86*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	10.11	
		For Stacked Bond, Add	*1.91*	
		For Scored Block, Add	*0.55*	
		For Curved Wall Application, Add	*1.47*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.25*	
		For 3,500 PSI, Add	*0.58*	
		For 5,000 PSI, Add	*0.99*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	13.01	
		For Stacked Bond, Add	*2.00*	
		For Scored Block, Add	*1.06*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.96*	
		For 3,500 PSI, Add	*1.11*	
		For 5,000 PSI, Add	*1.91*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	14.98	
		For Stacked Bond, Add	*2.48*	
		For Scored Block, Add	*1.09*	
		For Curved Wall Application, Add	*1.90*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.69*	
		For 3,500 PSI, Add	*1.15*	
		For 5,000 PSI, Add	*1.97*	
04 22 23 13-0022		Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*		
04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	9.13	
		For Stacked Bond, Add	*1.68*	
		For Scored Block, Add	*0.53*	
		For Curved Wall Application, Add	*1.30*	
		For <10, Small Area Replacements (Individual Areas), Add	*9.92*	
		For 3,500 PSI, Add	*0.56*	
		For 5,000 PSI, Add	*0.95*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	9.59	
		For Stacked Bond, Add	*1.86*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*1.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*10.89*	
		For 3,500 PSI, Add	*0.51*	
		For 5,000 PSI, Add	*0.88*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	10.44	
		For Stacked Bond, Add	*1.97*	
		For Scored Block, Add	*0.57*	
		For Curved Wall Application, Add	*1.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.60*	
		For 3,500 PSI, Add	*0.60*	
		For 5,000 PSI, Add	*1.03*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	11.77	
		For Stacked Bond, Add	*2.07*	
		For Scored Block, Add	*0.76*	
		For Curved Wall Application, Add	*1.59*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.23*	
		For 3,500 PSI, Add	*0.80*	
		For 5,000 PSI, Add	*1.37*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	13.83	
		For Stacked Bond, Add	*2.56*	
		For Scored Block, Add	*0.79*	
		For Curved Wall Application, Add	*1.97*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.09*	
		For 3,500 PSI, Add	*0.83*	
		For 5,000 PSI, Add	*1.43*	
04 22 23 13-0028		Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*		
04 22 23 13-0029		Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*		
		Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	9.91	
		For Stacked Bond, Add	*1.73*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.59*	
		For Scored Block, Add	*0.65*	
		For Curved Wall Application, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	11.08	
		For Stacked Bond, Add	*1.86*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.51*	
		For Scored Block, Add	*0.79*	
		For Curved Wall Application, Add	*1.43*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	13.42	
		For Stacked Bond, Add	*2.40*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.81*	
		For Scored Block, Add	*0.84*	
		For Curved Wall Application, Add	*1.84*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	9.73	
		For Stacked Bond, Add	*1.80*	
		For Grout And Fill With 2 #5 Rebar, Add	*6.27*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*1.39*	
		For 3,500 PSI, Add	*0.59*	
		For 5,000 PSI, Add	*1.01*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	10.84	
		For Stacked Bond, Add	*1.91*	
		For Grout And Fill With 2 #5 Rebar, Add	*7.16*	
		For Scored Block, Add	*0.70*	
		For Curved Wall Application, Add	*1.47*	
		For 3,500 PSI, Add	*0.73*	
		For 5,000 PSI, Add	*1.25*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	13.25	
		For Stacked Bond, Add	*2.48*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.49*	
		For Scored Block, Add	*0.75*	
		For Curved Wall Application, Add	*1.90*	
		For 3,500 PSI, Add	*0.78*	
		For 5,000 PSI, Add	*1.34*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	11.05	
		For Stacked Bond, Add	*2.00*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.82*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	12.48	
		For Stacked Bond, Add	*2.25*	
		For Scored Block, Add	*0.76*	
		For Curved Wall Application, Add	*1.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.29*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	13.66	
		For Stacked Bond, Add	*2.38*	
		For Scored Block, Add	*0.90*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.08*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	14.68	
		For Stacked Bond, Add	*2.52*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*1.94*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.94*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	17.34	
		For Stacked Bond, Add	*3.10*	
		For Scored Block, Add	*1.09*	
		For Curved Wall Application, Add	*2.38*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.27*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	16.94	
		For Stacked Bond, Add	*2.00*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.26*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	19.19	
		For Stacked Bond, Add	*2.18*	
		For Curved Wall Application, Add	*1.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.37*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	22.50	
		For Stacked Bond, Add	*2.38*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.74*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0002		Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	11.45	
		For Stacked Bond, Add	*2.00*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.85*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	12.94	
		For Stacked Bond, Add	*2.25*	
		For Curved Wall Application, Add	*1.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.33*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	14.19	
		For Stacked Bond, Add	*2.38*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.12*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	15.30	
		For Stacked Bond, Add	*2.52*	
		For Curved Wall Application, Add	*1.94*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.98*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.71	
		For Stacked Bond, Add	*3.10*	
		For Curved Wall Application, Add	*2.38*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.30*	
04 22 23 29-0008		Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	12.39	
		For Stacked Bond, Add	*2.00*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.54*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.92*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	14.01	
		For Stacked Bond, Add	*2.25*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.68*	
		For Curved Wall Application, Add	*1.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.41*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	15.45	
		For Stacked Bond, Add	*2.38*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.87*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.21*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	16.70	
		For Stacked Bond, Add	*2.52*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.85*	
		For Curved Wall Application, Add	*1.94*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.09*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.16	
		For Stacked Bond, Add	*3.10*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.21*	
		For Curved Wall Application, Add	*2.38*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.41*	
04 22 23 29-0014		Split Rib, Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	11.15	
		For Stacked Bond, Add	*2.00*	
		For Curved Wall Application, Add	*1.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*11.82*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	13.64	
		For Stacked Bond, Add	*2.25*	
		For Curved Wall Application, Add	*1.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.38*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	14.56	
		For Stacked Bond, Add	*2.38*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.15*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	15.60	
		For Stacked Bond, Add	*2.52*	
		For Curved Wall Application, Add	*1.94*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.01*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	18.36	
		For Stacked Bond, Add	*3.10*	
		For Curved Wall Application, Add	*2.38*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.35*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	24.02	
		For Stacked Bond, Add	*1.94*	
		For Curved Wall Application, Add	*1.49*	
		For <10, Small Area Replacements (Individual Areas), Add	*12.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	25.55	
		For Stacked Bond, Add	*2.14*	
		For Curved Wall Application, Add	*1.65*	
		For <10, Small Area Replacements (Individual Areas), Add	*13.64*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	27.09	
		For Stacked Bond, Add	*2.25*	
		For Curved Wall Application, Add	*1.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.39*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	28.71	
		For Stacked Bond, Add	*2.38*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.21*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	31.71	
		For Stacked Bond, Add	*2.91*	
		For Curved Wall Application, Add	*2.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.34*	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	33.09	
		For Stacked Bond, Add	*2.22*	
		For Curved Wall Application, Add	*1.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*14.62*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	34.54	
		For Stacked Bond, Add	*2.38*	
		For Curved Wall Application, Add	*1.83*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.64*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	36.60	
		For Stacked Bond, Add	*2.63*	
		For Curved Wall Application, Add	*2.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.17*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	78.32	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-4.88*	
		For >5,000, Deduct	*-8.78*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	55.98	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-3.50*	
		For >5,000, Deduct	*-6.30*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	66.36	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-3.97*	
		For >5,000, Deduct	*-7.28*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	954.77
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	718.08
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	484.21
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	337.94

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	20.56	4.67
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	21.04	4.67

04 42 Exterior Stone Cladding *(04 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43		**Stone Panels for Curtain Walls** *(04 42)*		
04 42 43 00-0001		Marble Facing Panels *(04 42 43)*		
		Note: 3' x 1.5'		
04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	45.68	10.73
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	48.28	10.88
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	55.86	11.08
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	61.45	11.43
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	65.48	12.12
04 42 43 00-0007	CF	Marble Face Panel	276.91	39.49
04 42 43 00-0008		Smooth Limestone Panels *(04 42 43)*		
		Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	41.94	21.55
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	44.66	22.59
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	47.57	23.63
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	56.08	25.98
04 42 43 00-0013		Sandstone Panels *(04 42 43)*		
04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	49.55	22.59
04 42 43 00-0015	SF	4" Thick Sandstone Panels	53.59	25.98
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	47.77	25.98
04 43		**Stone Masonry** *(04 40)*		
04 43 16		**Stone Fabrications** *(04 43)*		
04 43 16 00-0001		Marble *(04 43 16)*		
04 43 16 00-0002		Marble Base *(04 43 16 00-0001)*		
		Note: 1" thick.		
04 43 16 00-0003	LF	4" High Marble Base	67.47	42.54
04 43 16 00-0004	LF	6" High Marble Base	76.65	46.35
04 43 16 00-0005		Marble Columns *(04 43 16 00-0001)*		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	190.08	39.49
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	317.66	39.49
04 43 16 00-0008		Marble Flooring *(04 43 16 00-0001)*		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	19.03	9.74
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	20.45	9.74
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	24.54	11.12
04 43 16 00-0012		Marble Items *(04 43 16 00-0001)*		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	50.76	15.14
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	38.61	12.13
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	23.18	9.11
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	45.37	11.18
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	25.35	14.13
04 43 16 00-0018		Limestone *(04 43 16)*		
04 43 16 00-0019		Ashlar Veneer Limestone *(04 43 16 00-0018)*		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	46.30	15.14
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	72.01	20.81
04 43 16 00-0022		Limestone Coping *(04 43 16 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	22.29	5.55
04 43 16 00-0024	SF	3" Thick Limestone Coping	25.23	5.89
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	28.17	6.24
04 43 16 00-0026	SF	4" Thick Limestone Coping	30.41	6.44
04 43 16 00-0027	SF	5" Thick Limestone Coping	35.59	6.59
04 43 16 00-0028	SF	6" Thick Limestone Coping	53.96	6.93
04 43 16 00-0029	CF	>6" Thick Limestone Coping	88.00	13.83
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	25.52	5.20
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	27.28	5.55
04 43 16 00-0033	SF	3" Thick Limestone Treads	30.79	5.89
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	33.62	6.24
04 43 16 00-0035	SF	4" Thick Limestone Treads	36.45	6.24
04 43 16 00-0036	SF	5" Thick Limestone Treads	40.71	6.59
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	58.89	6.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	138.58	51.88
04 43 16 00-0040		Granite *(04 43 16)*		
04 43 16 00-0041		Polished Granite Veneer Facing Panels *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	108.08	21.68
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	95.56	21.68
04 43 16 00-0044		Granite Stair Treads *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	64.28	5.20
04 43 16 00-0046		Slate *(04 43 16)*		
04 43 16 00-0047		Slate Panels Or Sills *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	43.66	21.68
04 43 16 00-0049	SF	2" Thick Slate Panels	53.22	21.68
04 43 16 00-0050		Slate Sills Or Stools *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	20.05	9.16
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	26.13	9.16
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	25.27	9.16
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	38.31	9.16
04 43 16 00-0055		Slate Stair Treads *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	31.43	5.20

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	16.83	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	24.71	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	27.73	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	34.85	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	44.14	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	50.83	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	54.99	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	69.82	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	74.81	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	98.09	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	107.07	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	128.38	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	45.06	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	69.15	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	92.93	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	114.44	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	142.21	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	153.85	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	197.41	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	243.28	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	281.09	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	319.98	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	334.11	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	343.50	
04 51 00 00-0027		Standard Chimney Block *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	23.67	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	26.68	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	26.81	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	28.23	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	29.91	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	31.73	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	36.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	14.28	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	19.25	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	24.48	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	15.36	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	19.21	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	34.56	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	41.93	7.49
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	48.57	8.07
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	56.76	8.65
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	61.92	9.22
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	67.14	9.80
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	81.16	10.38
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	93.94	10.95

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	31.39	5.76
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	50.10	5.76
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	60.48	5.76

END OF SECTION 04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*

See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-0014 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*

See CSI section 05 12 23 00-0140 for field applied cold galvanizing, 05 12 23 00-0142 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*

See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-0014 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*

See CSI section 05 12 23 00-0140 for field applied cold galvanizing, 05 12 23 00-0142 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		5.73	
		For >10 To 50, Deduct		*-0.26*	
		For >50 To 100, Deduct		*-0.53*	
		For >100, Deduct		*-1.06*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		5.82	
		For >10 To 50, Deduct		*-0.26*	
		For >50 To 100, Deduct		*-0.53*	
		For >100, Deduct		*-1.06*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		6.01	
		For >10 To 50, Deduct		*-0.26*	
		For >50 To 100, Deduct		*-0.55*	
		For >100, Deduct		*-1.09*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		7.07	
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.64*	
		For >100, Deduct		*-1.29*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		7.14	
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.65*	
		For >100, Deduct		*-1.29*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		7.16	
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.65*	
		For >100, Deduct		*-1.29*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		7.43	
		For >10 To 50, Deduct		*-0.31*	
		For >50 To 100, Deduct		*-0.65*	
		For >100, Deduct		*-1.31*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		10.38	
		For >10 To 50, Deduct		*-0.44*	
		For >50 To 100, Deduct		*-0.93*	
		For >100, Deduct		*-1.85*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		10.43	
		For >10 To 50, Deduct		*-0.44*	
		For >50 To 100, Deduct		*-0.93*	
		For >100, Deduct		*-1.85*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		10.54	
		For >10 To 50, Deduct		*-0.44*	
		For >50 To 100, Deduct		*-0.93*	
		For >100, Deduct		*-1.86*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		10.84	
		For >10 To 50, Deduct		*-0.44*	
		For >50 To 100, Deduct		*-0.94*	
		For >100, Deduct		*-1.87*	
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		11.25	
		For >10 To 50, Deduct		*-0.44*	
		For >50 To 100, Deduct		*-0.95*	
		For >100, Deduct		*-1.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.98	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.07	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.35*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.26	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.62	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.19*	
		For >100, Deduct	*-2.38*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.98	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.86	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.33	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.03	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.11	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.81*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.55	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.83*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.08	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.68	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.99	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.01*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.05	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.51	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.56	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	27.38	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	29.79	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.00	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.30*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.42	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.47*	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.82	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.64*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.70	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.15	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	7.55	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.57*	
		For >100, Deduct	*-1.15*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	8.11	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.59*	
		For >100, Deduct	*-1.18*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	8.59	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.22*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.30	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.73*	
		For >100, Deduct	*-1.45*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	10.78	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.74*	
		For >100, Deduct	*-1.48*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	11.13	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.49*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	13.75	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.81*	
		For >100, Deduct	*-1.62*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.38	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.20*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.28	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	18.81	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.14*	
		For >100, Deduct	*-2.27*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.20	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	24.79	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.57*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	28.19	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.52	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.17*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.05	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.41	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	51.17	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.72	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	38.47	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.53	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	43.03	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.11*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	46.83	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.15*	
		For >100, Deduct	*-4.30*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.72	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.79*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	70.66	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.49*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.19	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.58*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	104.63	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-3.99*	
		For >100, Deduct	*-7.98*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	125.25	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-9.01*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	8.04	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.59*	
		For >100, Deduct	*-1.17*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	8.80	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.23*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.86	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.53*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	12.69	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.57*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	12.90	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.79*	
		For >100, Deduct	*-1.58*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	16.86	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.16	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.39*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.46	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	27.63	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.67	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	40.97	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.69*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	42.22	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	51.60	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	56.82	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	14.84
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.04*
		For >100, Deduct	*-2.07*
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	16.41
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.08*
		For >100, Deduct	*-2.15*
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	17.98
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.12*
		For >100, Deduct	*-2.23*
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	18.76
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.14*
		For >100, Deduct	*-2.27*
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	22.26
		For >10 To 50, Deduct	*-0.55*
		For >50 To 100, Deduct	*-1.38*
		For >100, Deduct	*-2.76*
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	20.37
		For >10 To 50, Deduct	*-0.55*
		For >50 To 100, Deduct	*-1.33*
		For >100, Deduct	*-2.66*
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.62
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.74*
		For >100, Deduct	*-3.49*
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	32.35
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-1.79*
		For >100, Deduct	*-3.57*
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	40.84
		For >10 To 50, Deduct	*-0.65*
		For >50 To 100, Deduct	*-2.00*
		For >100, Deduct	*-4.00*
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	36.40
		For >10 To 50, Deduct	*-0.92*
		For >50 To 100, Deduct	*-2.28*
		For >100, Deduct	*-4.57*
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	41.28
		For >10 To 50, Deduct	*-0.92*
		For >50 To 100, Deduct	*-2.41*
		For >100, Deduct	*-4.81*
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	46.12
		For >10 To 50, Deduct	*-0.92*
		For >50 To 100, Deduct	*-2.53*
		For >100, Deduct	*-5.05*

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	5.67
		For >10 To 50, Deduct	*-0.26*
		For >50 To 100, Deduct	*-0.53*
		For >100, Deduct	*-1.07*
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	5.80
		For >10 To 50, Deduct	*-0.26*
		For >50 To 100, Deduct	*-0.54*
		For >100, Deduct	*-1.08*
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	5.96
		For >10 To 50, Deduct	*-0.26*
		For >50 To 100, Deduct	*-0.54*
		For >100, Deduct	*-1.08*
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.00
		For >10 To 50, Deduct	*-0.28*
		For >50 To 100, Deduct	*-0.56*
		For >100, Deduct	*-1.13*
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.12
		For >10 To 50, Deduct	*-0.28*
		For >50 To 100, Deduct	*-0.57*
		For >100, Deduct	*-1.13*
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	6.80
		For >10 To 50, Deduct	*-0.31*
		For >50 To 100, Deduct	*-0.64*
		For >100, Deduct	*-1.28*
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.02
		For >10 To 50, Deduct	*-0.31*
		For >50 To 100, Deduct	*-0.64*
		For >100, Deduct	*-1.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	7.23	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.65*	
		For >100, Deduct	*-1.30*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.90	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.83*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.17	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.84*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.41	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.70	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.87*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.54	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.27*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	12.96	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.29*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.28	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.31*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.18	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.35*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.69	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.47	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.17	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.81*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.30	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.87*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	8.23	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-1.20*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	11.84	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.53*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.06	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.37	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.25*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.37	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.45*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	32.67	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	6.31	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.55*	
		For >100, Deduct	*-1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	6.53	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-1.11*	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	6.79	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.17*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	7.70	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.21*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	7.79	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.33*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	8.48	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.36*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	9.01	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.69*	
		For >100, Deduct	*-1.39*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	11.59	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.96*	
		For >100, Deduct	*-1.91*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	12.00	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.93*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	13.20	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.00*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	14.76	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.07*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.14	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.45*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.57	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	18.84	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.58*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	21.67	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	23.01	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	7.87	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.74*	
		For >100, Deduct	*-1.49*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	9.65	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.82*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	12.09	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.18*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	14.05	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.43*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	17.45	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0149			304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0150		EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	12.92	
			For >10 To 50, Deduct	*-0.37*	
			For >50 To 100, Deduct	*-0.87*	
			For >100, Deduct	*-1.74*	
05 05 19 00-0151		EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	18.96	
			For >10 To 50, Deduct	*-0.45*	
			For >50 To 100, Deduct	*-1.14*	
			For >100, Deduct	*-2.28*	
05 05 19 00-0152		EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	24.78	
			For >10 To 50, Deduct	*-0.52*	
			For >50 To 100, Deduct	*-1.41*	
			For >100, Deduct	*-2.81*	
05 05 19 00-0153		EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	34.45	
			For >10 To 50, Deduct	*-0.58*	
			For >50 To 100, Deduct	*-1.73*	
			For >100, Deduct	*-3.45*	
05 05 19 00-0154		EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	52.51	
			For >10 To 50, Deduct	*-0.66*	
			For >50 To 100, Deduct	*-2.30*	
			For >100, Deduct	*-4.59*	
05 05 19 00-0155			Single Bolt Expansion Anchors *(05 05 19 00-0002)*		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156		EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	5.86	
			For >10 To 50, Deduct	*-0.26*	
			For >50 To 100, Deduct	*-0.54*	
			For >100, Deduct	*-1.08*	
05 05 19 00-0157		EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	6.36	
			For >10 To 50, Deduct	*-0.28*	
			For >50 To 100, Deduct	*-0.57*	
			For >100, Deduct	*-1.14*	
05 05 19 00-0158		EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	7.19	
			For >10 To 50, Deduct	*-0.31*	
			For >50 To 100, Deduct	*-0.65*	
			For >100, Deduct	*-1.30*	
05 05 19 00-0159		EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.70	
			For >10 To 50, Deduct	*-0.44*	
			For >50 To 100, Deduct	*-0.93*	
			For >100, Deduct	*-1.87*	
05 05 19 00-0160		EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.97	
			For >10 To 50, Deduct	*-0.55*	
			For >50 To 100, Deduct	*-1.22*	
			For >100, Deduct	*-2.44*	
05 05 19 00-0161		EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	19.42	
			For >10 To 50, Deduct	*-0.65*	
			For >50 To 100, Deduct	*-1.46*	
			For >100, Deduct	*-2.93*	
05 05 19 00-0162			Concrete Lag Shield Anchors *(05 05 19 00-0002)*		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163		EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	6.30	
			For >10 To 50, Deduct	*-0.26*	
			For >50 To 100, Deduct	*-0.55*	
			For >100, Deduct	*-1.10*	
05 05 19 00-0164		EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	7.51	
			For >10 To 50, Deduct	*-0.31*	
			For >50 To 100, Deduct	*-0.66*	
			For >100, Deduct	*-1.31*	
05 05 19 00-0165		EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.36	
			For >10 To 50, Deduct	*-0.31*	
			For >50 To 100, Deduct	*-0.68*	
			For >100, Deduct	*-1.35*	
05 05 19 00-0166		EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	11.65	
			For >10 To 50, Deduct	*-0.44*	
			For >50 To 100, Deduct	*-0.96*	
			For >100, Deduct	*-1.91*	
05 05 19 00-0167		EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.11	
			For >10 To 50, Deduct	*-0.55*	
			For >50 To 100, Deduct	*-1.20*	
			For >100, Deduct	*-2.40*	
05 05 19 00-0168		EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	16.32	
			For >10 To 50, Deduct	*-0.65*	
			For >50 To 100, Deduct	*-1.39*	
			For >100, Deduct	*-2.77*	
05 05 19 00-0169			Chemical And Adhesive Anchors *(05 05 19 00-0001)*		
05 05 19 00-0170			Chemically Adhered Anchor Rods *(05 05 19 00-0169)*		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	8.31	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.28*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	9.99	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.72*	
		For >100, Deduct	*-1.44*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	12.36	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.90*	
		For >100, Deduct	*-1.80*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	14.80	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.04*	
		For >100, Deduct	*-2.07*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	16.15	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.07*	
		For >100, Deduct	*-2.14*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	19.99	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	27.04	
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	33.25	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.78*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	46.32	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.06*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	69.35	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.46*	
		For >100, Deduct	*-6.93*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	6.08	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.17*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	6.68	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.28*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	7.86	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.49*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	9.61	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.81*	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	11.29	
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-0.99*	
		For >100, Deduct	*-1.99*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	14.78	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.24*	
		For >100, Deduct	*-2.49*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.68	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	21.34	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	24.05	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	28.52	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	32.71	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	38.69	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	50.89	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.41*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	81.40	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-4.37*	
		For >100, Deduct	*-8.74*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	2.47	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.47*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	5.49	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.06*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	5.56	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.06*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	5.70	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.54*	
		For >100, Deduct	*-1.07*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	5.57	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.06*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	5.65	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.07*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	5.82	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.54*	
		For >100, Deduct	*-1.08*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	7.40	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.16*	
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	8.18	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-1.20*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	8.39	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-1.21*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	8.77	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.22*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	9.09	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.24*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	9.77	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.27*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	10.60	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	11.37	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.35*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	13.52	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.73*	
		For >100, Deduct	*-1.46*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	13.78	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.74*	
		For >100, Deduct	*-1.48*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	15.09	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.77*	
		For >100, Deduct	*-1.54*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	16.44	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.61*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	17.31	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.65*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	16.92	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.63*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	18.17	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.69*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	21.09	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.84*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	3.53	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.65*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	3.53	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.65*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	3.59	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.65*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	3.60	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.33*	
		For >100, Deduct	*-0.65*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	0.95	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.08*	
		For >100, Deduct	*-0.15*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	1.02	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.08*	
		For >100, Deduct	*-0.16*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	1.11	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100, Deduct	*-0.17*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	1.25	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100, Deduct	*-0.19*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	1.35	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.10*	
		For >100, Deduct	*-0.19*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	1.22	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.09*	
		For >100, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	1.72	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.11*	
		For >100, Deduct	*-0.22*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Minimum Charge For Welding Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	262.43

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

See CSI section 05 05 21 00-0007 for a series of welds.

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	5.81
		For Aluminum Welding, Add	*1.00*
		For Stainless Steel Welding, Add	*1.62*
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	4.57
		For Aluminum Welding, Add	*0.82*
		For Stainless Steel Welding, Add	*1.31*

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	4.38
		For Aluminum Welding, Add	*1.32*
		For Stainless Steel Welding, Add	*1.93*
		For Up To 25, Add	*1.26*
		For >25 To 50, Add	*0.87*
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	7.91
		For Aluminum Welding, Add	*2.01*
		For Stainless Steel Welding, Add	*3.01*
		For Up To 25, Add	*2.43*
		For >25 To 50, Add	*1.70*
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	11.91
		For Aluminum Welding, Add	*3.05*
		For Stainless Steel Welding, Add	*4.55*
		For Up To 25, Add	*3.64*
		For >25 To 50, Add	*2.56*
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	15.74
		For Aluminum Welding, Add	*4.05*
		For Stainless Steel Welding, Add	*6.05*
		For Up To 25, Add	*4.80*
		For >25 To 50, Add	*3.37*
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	19.81
		For Aluminum Welding, Add	*5.05*
		For Stainless Steel Welding, Add	*7.56*
		For Up To 25, Add	*6.07*
		For >25 To 50, Add	*4.26*
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	22.10
		For Aluminum Welding, Add	*4.97*
		For Stainless Steel Welding, Add	*7.59*
		For Up To 25, Add	*7.05*
		For >25 To 50, Add	*4.98*
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	27.16
		For Aluminum Welding, Add	*6.98*
		For Stainless Steel Welding, Add	*10.42*
		For Up To 25, Add	*8.30*
		For >25 To 50, Add	*5.82*
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	30.80
		For Aluminum Welding, Add	*7.22*
		For Stainless Steel Welding, Add	*10.96*
		For Up To 25, Add	*9.70*
		For >25 To 50, Add	*6.83*
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	35.77
		For Aluminum Welding, Add	*8.44*
		For Stainless Steel Welding, Add	*12.79*
		For Up To 25, Add	*11.24*
		For >25 To 50, Add	*7.92*
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	49.68
		For Aluminum Welding, Add	*12.74*
		For Stainless Steel Welding, Add	*19.04*
		For Up To 25, Add	*15.18*
		For >25 To 50, Add	*10.66*
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	71.11
		For Aluminum Welding, Add	*16.56*
		For Stainless Steel Welding, Add	*25.15*
		For Up To 25, Add	*22.43*
		For >25 To 50, Add	*15.81*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0020	LF	1" Vertical Fillet Weld	98.20	
		For Aluminum Welding, Add	*24.62*	
		For Stainless Steel Welding, Add	*36.92*	
		For Up To 25, Add	*30.25*	
		For >25 To 50, Add	*21.25*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	3.81	
		For Aluminum Welding, Add	*1.24*	
		For Stainless Steel Welding, Add	*1.79*	
		For Up To 25, Add	*1.06*	
		For >25 To 50, Add	*0.73*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	6.92	
		For Aluminum Welding, Add	*1.91*	
		For Stainless Steel Welding, Add	*2.82*	
		For Up To 25, Add	*2.06*	
		For >25 To 50, Add	*1.44*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	10.34	
		For Aluminum Welding, Add	*2.85*	
		For Stainless Steel Welding, Add	*4.21*	
		For Up To 25, Add	*3.08*	
		For >25 To 50, Add	*2.15*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	13.74	
		For Aluminum Welding, Add	*3.84*	
		For Stainless Steel Welding, Add	*5.66*	
		For Up To 25, Add	*4.07*	
		For >25 To 50, Add	*2.84*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	17.25	
		For Aluminum Welding, Add	*4.76*	
		For Stainless Steel Welding, Add	*7.03*	
		For Up To 25, Add	*5.13*	
		For >25 To 50, Add	*3.59*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	19.02	
		For Aluminum Welding, Add	*4.59*	
		For Stainless Steel Welding, Add	*6.92*	
		For Up To 25, Add	*5.93*	
		For >25 To 50, Add	*4.18*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	23.65	
		For Aluminum Welding, Add	*6.58*	
		For Stainless Steel Welding, Add	*9.71*	
		For Up To 25, Add	*7.01*	
		For >25 To 50, Add	*4.90*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	26.70	
		For Aluminum Welding, Add	*6.78*	
		For Stainless Steel Welding, Add	*10.15*	
		For Up To 25, Add	*8.19*	
		For >25 To 50, Add	*5.75*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	31.53	
		For Aluminum Welding, Add	*8.33*	
		For Stainless Steel Welding, Add	*12.38*	
		For Up To 25, Add	*9.54*	
		For >25 To 50, Add	*6.68*	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	43.32	
		For Aluminum Welding, Add	*12.05*	
		For Stainless Steel Welding, Add	*17.78*	
		For Up To 25, Add	*12.85*	
		For >25 To 50, Add	*8.98*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	60.25	
		For Aluminum Welding, Add	*14.55*	
		For Stainless Steel Welding, Add	*21.95*	
		For Up To 25, Add	*18.79*	
		For >25 To 50, Add	*13.23*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	85.20	
		For Aluminum Welding, Add	*23.15*	
		For Stainless Steel Welding, Add	*34.26*	
		For Up To 25, Add	*25.50*	
		For >25 To 50, Add	*17.84*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Drilling In Existing Steel Plates *(05 05 23)*

05 05 23 00-0002	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	11.69	
		For Aluminum, Deduct	*-1.17*	
		For Stainless Steel, Add	*1.46*	
		For >5 To 10, Deduct	*-1.17*	
		For >10 To 25, Deduct	*-2.92*	
		For >25 To 50, Deduct	*-4.09*	
		For >50, Deduct	*-5.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	13.76	
		For Aluminum, Deduct	*-1.38*	
		For Stainless Steel, Add	*1.72*	
		For >5 To 10, Deduct	*-1.38*	
		For >10 To 25, Deduct	*-3.44*	
		For >25 To 50, Deduct	*-4.82*	
		For >50, Deduct	*-6.88*	
05 05 23 00-0004	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	16.51	
		For Aluminum, Deduct	*-1.65*	
		For Stainless Steel, Add	*2.06*	
		For >5 To 10, Deduct	*-1.65*	
		For >10 To 25, Deduct	*-4.13*	
		For >25 To 50, Deduct	*-5.78*	
		For >50, Deduct	*-8.26*	
05 05 23 00-0005	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	19.26	
		For Aluminum, Deduct	*-1.93*	
		For Stainless Steel, Add	*2.41*	
		For >5 To 10, Deduct	*-1.93*	
		For >10 To 25, Deduct	*-4.82*	
		For >25 To 50, Deduct	*-6.74*	
		For >50, Deduct	*-9.63*	
05 05 23 00-0006	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	25.80	
		For Aluminum, Deduct	*-2.58*	
		For Stainless Steel, Add	*3.23*	
		For >5 To 10, Deduct	*-2.58*	
		For >10 To 25, Deduct	*-6.45*	
		For >25 To 50, Deduct	*-9.03*	
		For >50, Deduct	*-12.90*	
05 05 23 00-0007	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	13.76	
		For Aluminum, Deduct	*-1.38*	
		For Stainless Steel, Add	*1.72*	
		For >5 To 10, Deduct	*-1.38*	
		For >10 To 25, Deduct	*-3.44*	
		For >25 To 50, Deduct	*-4.82*	
		For >50, Deduct	*-6.88*	
05 05 23 00-0008	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	17.20	
		For Aluminum, Deduct	*-1.72*	
		For Stainless Steel, Add	*2.15*	
		For >5 To 10, Deduct	*-1.72*	
		For >10 To 25, Deduct	*-4.30*	
		For >25 To 50, Deduct	*-6.02*	
		For >50, Deduct	*-8.60*	
05 05 23 00-0009	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	20.63	
		For Aluminum, Deduct	*-2.06*	
		For Stainless Steel, Add	*2.58*	
		For >5 To 10, Deduct	*-2.06*	
		For >10 To 25, Deduct	*-5.16*	
		For >25 To 50, Deduct	*-7.22*	
		For >50, Deduct	*-10.32*	
05 05 23 00-0010	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	25.80	
		For Aluminum, Deduct	*-2.58*	
		For Stainless Steel, Add	*3.23*	
		For >5 To 10, Deduct	*-2.58*	
		For >10 To 25, Deduct	*-6.45*	
		For >25 To 50, Deduct	*-9.03*	
		For >50, Deduct	*-12.90*	
05 05 23 00-0011	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	17.20	
		For Aluminum, Deduct	*-1.72*	
		For Stainless Steel, Add	*2.15*	
		For >5 To 10, Deduct	*-1.72*	
		For >10 To 25, Deduct	*-4.30*	
		For >25 To 50, Deduct	*-6.02*	
		For >50, Deduct	*-8.60*	
05 05 23 00-0012	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	22.70	
		For Aluminum, Deduct	*-2.27*	
		For Stainless Steel, Add	*2.84*	
		For >5 To 10, Deduct	*-2.27*	
		For >10 To 25, Deduct	*-5.68*	
		For >25 To 50, Deduct	*-7.95*	
		For >50, Deduct	*-11.35*	
05 05 23 00-0013	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	27.51	
		For Aluminum, Deduct	*-2.75*	
		For Stainless Steel, Add	*3.44*	
		For >5 To 10, Deduct	*-2.75*	
		For >10 To 25, Deduct	*-6.88*	
		For >25 To 50, Deduct	*-9.63*	
		For >50, Deduct	*-13.76*	

05 05 23 00-0014 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-0015	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	3.17	

05 05 23 00-0016 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0277 for drilling into concrete, 02 41 19 13-0292 for drilling into brick or block, 02 41 19 13-0307 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017		A307B Heavy Hex Bolts *(05 05 23 00-0016)* Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0018		Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0017)*		
05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	8.16	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.59*	
		For >100, Deduct	*-1.19*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	9.87	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.27*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	9.92	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.28*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	12.23	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.50*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.79	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.71*	
		For >100, Deduct	*-1.42*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	15.80	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.84*	
		For >100, Deduct	*-1.68*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	22.09	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.03*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	23.95	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.09*	
		For >100, Deduct	*-2.18*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	16.27	0.68
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.60	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	25.48	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.13*	
		For >100, Deduct	*-2.25*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	40.36	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.05*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	47.71	0.93
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.55*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	54.37	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
05 05 23 00-0033		Galvanized A307B Heavy Hex Bolts *(05 05 23 00-0017)*		
05 05 23 00-0034	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	9.00	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.23*	
05 05 23 00-0035	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	10.43	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.65*	
		For >100, Deduct	*-1.30*	
05 05 23 00-0036	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	11.99	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.69*	
		For >100, Deduct	*-1.38*	
05 05 23 00-0037	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.30	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.61*	
05 05 23 00-0038	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	15.14	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.77*	
		For >100, Deduct	*-1.54*	
05 05 23 00-0039	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.15	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	29.58	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-2.41*	
05 05 23 00-0041	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	36.07	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	
05 05 23 00-0042	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.43	0.68
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.97*	
05 05 23 00-0043	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	27.54	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.31*	
05 05 23 00-0044	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	34.43	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 23 00-0045	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	56.59	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.86*	
05 05 23 00-0046	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	54.97	0.93
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.91*	
05 05 23 00-0047	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	71.19	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.80*	

05 05 23 00-0048 A325 High Strength Structural Bolts *(05 05 23 00-0016)*

05 05 23 00-0049 Plain Finish A325 High Strength Structural Bolts *(05 05 23 00-0048)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0050	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	7.77	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.17*	
05 05 23 00-0051	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	8.14	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.59*	
		For >100, Deduct	*-1.19*	
05 05 23 00-0052	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	9.35	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.25*	
05 05 23 00-0053	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	12.26	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.75*	
		For >100, Deduct	*-1.50*	
05 05 23 00-0054	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	15.40	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.70*	
05 05 23 00-0055	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	11.03	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.67*	
		For >100, Deduct	*-1.33*	
05 05 23 00-0056	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	14.06	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 23 00-0057	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	16.98	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
05 05 23 00-0058	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	22.88	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.06*	
		For >100, Deduct	*-2.12*	
05 05 23 00-0059	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	13.51	0.68
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.76*	
		For >100, Deduct	*-1.52*	
05 05 23 00-0060	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	17.66	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.81*	
05 05 23 00-0061	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	21.14	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.02*	
		For >100, Deduct	*-2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0062	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	23.29	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.19*	
05 05 23 00-0063	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.58	0.70
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 23 00-0064	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	19.71	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.98*	
		For >100, Deduct	*-1.96*	
05 05 23 00-0065	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.10	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.23*	
05 05 23 00-0066	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	33.52	0.87
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 23 00-0067	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	31.41	0.87
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0068	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	36.55	0.93
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.99*	
05 05 23 00-0069	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	44.33	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 23 00-0070	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	53.66	1.07
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.01*	

05 05 23 00-0071 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0048)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0072	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	8.52	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.60*	
		For >100, Deduct	*-1.21*	
05 05 23 00-0073	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	8.79	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.22*	
05 05 23 00-0074	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	10.94	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.33*	
05 05 23 00-0075	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	13.40	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.78*	
		For >100, Deduct	*-1.56*	
05 05 23 00-0076	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	14.32	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.65*	
05 05 23 00-0077	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	11.76	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.37*	
05 05 23 00-0078	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	14.98	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 23 00-0079	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	18.42	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.93*	
		For >100, Deduct	*-1.85*	
05 05 23 00-0080	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	26.28	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-2.29*	
05 05 23 00-0081	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	17.91	0.68
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.87*	
		For >100, Deduct	*-1.74*	
05 05 23 00-0082	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	20.26	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.97*	
		For >100, Deduct	*-1.94*	
05 05 23 00-0083	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.29	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.10*	
		For >100, Deduct	*-2.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0084	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	32.74	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0085	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	19.00	0.70
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.83*	
05 05 23 00-0086	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	27.55	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.18*	
		For >100, Deduct	*-2.36*	
05 05 23 00-0087	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	30.66	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0088	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	41.61	0.87
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.17*	
05 05 23 00-0089	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	41.28	0.87
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.16*	
05 05 23 00-0090	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	44.09	0.93
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 23 00-0091	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	52.97	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.89*	
05 05 23 00-0092	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	62.68	1.07
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.46*	

05 05 23 00-0093 A490 High Strength Structural Bolts *(05 05 23 00-0016)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0094 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0093)*

05 05 23 00-0095	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	9.95	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-1.28*	
05 05 23 00-0096	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	16.36	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.85*	
		For >100, Deduct	*-1.71*	
05 05 23 00-0097	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	17.76	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.82*	
05 05 23 00-0098	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	12.27	0.63
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.70*	
		For >100, Deduct	*-1.39*	
05 05 23 00-0099	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	15.47	0.71
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.66*	
05 05 23 00-0100	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	19.26	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.95*	
		For >100, Deduct	*-1.89*	
05 05 23 00-0101	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	27.31	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.17*	
		For >100, Deduct	*-2.34*	
05 05 23 00-0102	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	14.94	0.68
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
05 05 23 00-0103	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	18.12	0.75
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.92*	
		For >100, Deduct	*-1.83*	
05 05 23 00-0104	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	30.39	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.50*	
05 05 23 00-0105	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	18.93	0.70
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.91*	
		For >100, Deduct	*-1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0106	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.47	0.78
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-1.08*	
		For >100, Deduct	*-2.15*	
05 05 23 00-0107	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	28.13	0.82
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.22*	
		For >100, Deduct	*-2.43*	
05 05 23 00-0108	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	37.38	0.87
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 23 00-0109	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	50.80	0.93
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 23 00-0110	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	53.21	0.99
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.95*	
		For >100, Deduct	*-3.90*	
05 05 23 00-0111	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	55.18	1.07
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.09*	

05 05 23 00-0112 Hex Head Bolts *(05 05 23 00-0016)*

05 05 23 00-0113 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-0114 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*

05 05 23 00-0115	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.38	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0116	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.41	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0117	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.51	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0118	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.56	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0119	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.71	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0120	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.75	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0121	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.89	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0122	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.00	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0123	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.05	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0124	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.27	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0125	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.53	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0126	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.70	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0127	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.93	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0128	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.54	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0129	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.90	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0130	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0131		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0132	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.47	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0133	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.50	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0134	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.58	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0135	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.64	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0136	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.81	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0137	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.96	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0138	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.02	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0139	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.26	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0140	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.48	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0141	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.56	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0142	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.72	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0143	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.80	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0144	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0145	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0146	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.50	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0147	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.83	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0148		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0149	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.56	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0150	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.60	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0151	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.71	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0152	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.82	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0153	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.00	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0154	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.19	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0155	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.38	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0156	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.66	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0157	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.91	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0158	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.05	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0159	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0160	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.53	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0161	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0162	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.79	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0163	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.95	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0164	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0165 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*

05 05 23 00-0166	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.49	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0167	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.64	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0168	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.66	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0169	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.97	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0170	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.20	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0171	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0172	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0173	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0174	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0175	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.95	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0176	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0177	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.44	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0178	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.70	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0179	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0180	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

05 05 23 00-0181 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*

05 05 23 00-0182	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.36	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0183	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.55	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0184	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.73	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0185	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.03	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0186	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.22	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0187	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.42	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0188	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.76	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0189	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0190	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0191	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0192	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.56	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0193	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0194	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0195	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0196	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.07	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0197	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0198	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.64	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0199	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0200	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.66	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-0201 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*

05 05 23 00-0202	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.55	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0203	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.81	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0204	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.87	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0205	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.80	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0206	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.13	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0207	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.24	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0208	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0209	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.45	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0210	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0211	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.89	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0212	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.97	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0213	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0214	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0215	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0216	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.19	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0217	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.55	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0218	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0219	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0220	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0221		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0222	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.58	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0223	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.75	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0224	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.97	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0225	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0226	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.69	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0227	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.10	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0228	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.71	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0229	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0230	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.82	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0231	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.12	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0232	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.18	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0233	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0234	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0235	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0236	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0237	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.94	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0238	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.69	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0240	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.06	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0241		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0242	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.14	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0243	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0244	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.80	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0245	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0246	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.77	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0247	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.20	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0248	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0249	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0250	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.83	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0251	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0252	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0253	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0254	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0255	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0256	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.70	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0257	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.84	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0258	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0259	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.71	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0260	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.75	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0261		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0262	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.41	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0263	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0264	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.84	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0265	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.32	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0266	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0267	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0268	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0269	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0270	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0271	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.62	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0272	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.06	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0273	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.11	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0274	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0275	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.34	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0276	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.39	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0277	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.47	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0278	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.58	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0279	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.61	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0280	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.71	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0281		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0113)*		
05 05 23 00-0282	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0283	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.63	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0284	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0285	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.46	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0286	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.84	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0287	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0288	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.70	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0289	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.08	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0290	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.86	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0291	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.52	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0292	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.68	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0293	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.95	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0294	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.09	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0295	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.29	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0296	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.34	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0297	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.69	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0298	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.88	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0299	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.09	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0300 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-0301 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0302	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.45	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0303	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.51	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0304	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.56	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0305	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.66	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0306	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.86	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0307	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.04	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0308	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.23	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0309	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.48	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0310	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.72	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0311	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.89	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0312	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.15	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0313	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.31	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0314	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.47	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0315	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.77	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0316	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0317	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0318 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0319	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.57	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0320	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.61	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0321	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.69	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0322	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.82	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0323	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.02	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0324	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.19	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0325	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.50	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0326	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.74	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0327	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.98	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0328	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.21	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0329	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.74	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0330	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.81	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0331	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0332	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0333	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.01	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0334	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.41	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0335 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0336	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.64	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0337	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.67	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0338	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.81	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0339	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.95	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0340	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.20	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0341	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.37	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0342	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.64	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0343	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.02	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0344	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0345	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.93	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0346	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0347	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0348	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.13	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0349	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.58	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0350	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0351	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0352 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0353	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.38	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0354	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.51	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0355	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.83	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0356	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.17	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0357	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.40	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0358	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.62	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0359	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0360	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0361	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.79	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0362	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.05	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0363	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.30	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0364	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0365	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0366	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0367	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

05 05 23 00-0368 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0369	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.55	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0370	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.72	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0371	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.90	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0372	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.29	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0373	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.58	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0374	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.87	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0375	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.23	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0376	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.21	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0377	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.27	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0378	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0379	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0380	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.37	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0381	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0382	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0383	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0384	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0385	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0386	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0387	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.04	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-0388 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0389	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0390	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0391	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.67	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0392	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0393	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0394	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.91	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0395	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0396	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0397	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.64	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0398	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0399	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0400	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.26	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0401	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.30	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0402	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0403	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0404	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.14	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0405	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.54	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0406	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.93	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0407	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.90	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-0408 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0409	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.88	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0410	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0411	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0412	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0413	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.99	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0414	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.46	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0415	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.04	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0416	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0417	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0418	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0419	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0420	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0421	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0422	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.06	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0423	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.21	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0424	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.16	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0425	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.54	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0426	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.57	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0427	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.28	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0428 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0429	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.04	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0430	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0431	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0432	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0433	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.40	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0434	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0435	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0436	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0437	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0438	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.96	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0439	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0440	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0441	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.53	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0442	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.65	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0443	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.28	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0444	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.03	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0445	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0446	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.44	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0447	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.89	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0448 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0449	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0450	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0451	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0452	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0453	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.03	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0454	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0455	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.33	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0456	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0457	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.48	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0458	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.01	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0459	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.78	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0460	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.08	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0461	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.36	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0462	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.81	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0463	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.90	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0464	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.08	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0465	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.50	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0466	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.71	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0467	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.92	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0468 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0300)*

05 05 23 00-0469	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0470	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.35	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0471	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0472	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0473	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0474	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.99	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0475	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0476	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.88	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0477	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.19	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0478	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.56	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0479	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.94	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0480	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.58	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0481	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.13	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0482	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.85	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0483	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.10	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0484	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.74	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0485	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	37.49	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0486	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.68	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0487 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-0488 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0489	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.48	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0490	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.60	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0491	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.66	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0492	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.79	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0493	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.96	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0494	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.11	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0495	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.25	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0496	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.34	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0497	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.74	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0498	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.11	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0499	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.39	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0500	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.59	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0501	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.85	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0502	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0503	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.61	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0504	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.83	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0505 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0506	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.58	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0507	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.66	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0508	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.89	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0509	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.94	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0510	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.16	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0511	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.51	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0512	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.61	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0513	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.91	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0514	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.13	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0515	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.63	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0516	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.02	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0517	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.21	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0518	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0519	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.81	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0520	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.03	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0521	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0522 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0523	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.83	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0524	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.86	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0525	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.88	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0526	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.15	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0527	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.40	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0528	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.68	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0529	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.93	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0530	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.80	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0531	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.12	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0532	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0533	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.40	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0534	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.74	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0535	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.28	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0536	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0537	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0538	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0539 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0540	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.56	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0541	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.60	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0542	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.04	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0543	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.17	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0544	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0545	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.92	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0546	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0547	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.14	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0548	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.99	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0549	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0550	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0551	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0552	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.16	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0553	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0554	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

05 05 23 00-0555 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0556	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.85	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0557	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.16	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0558	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.36	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0559	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0560	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0561	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.79	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0562	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.43	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0563	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.88	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0564	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0565	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0566	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0567	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.77	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0568	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0569	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0570	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0571	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.18	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0572	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.00	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0573	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.42	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0574	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.45	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0575		**9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0487)*		
05 05 23 00-0576	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.14	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0577	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.33	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0578	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.77	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0579	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.50	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0580	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0581	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.30	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0582	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0583	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0584	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0585	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.75	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0586	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.66	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0587	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0588	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.25	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0589	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.24	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0590	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.66	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0591		**5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0487)*		
05 05 23 00-0592	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.29	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0593	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.47	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0594	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.96	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0595	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0596	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0597	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0598	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0599	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0600	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0601	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.03	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0602	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.52	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0603	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0604	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.06	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0605	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.23	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0606	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.71	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0607	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.86	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0608	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.14	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0609	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.31	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0610	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.43	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0611		**3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0487)*		
05 05 23 00-0612	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.37	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.57	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0614	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0615	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.10	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0616	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.53	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0617	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.77	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0618	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0619	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0620	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0621	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.87	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0622	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0623	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0624	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.51	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0625	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.39	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0626	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.85	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0627	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.11	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0628	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.71	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0629	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.86	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0630	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.28	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0631 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0632	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0633	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0634	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.26	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0635	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.89	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0636	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.08	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0637	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0638	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.46	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0639	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.47	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0640	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.90	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0641	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.37	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0642	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.19	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0643	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.57	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0644	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.49	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0645	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.08	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0646	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.44	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0647	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.90	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0648	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	36.29	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0649	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.24	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0650 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0487)*

05 05 23 00-0651	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0652	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0653	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.43	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0654	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.45	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0655	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.36	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0656	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.96	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0657	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.61	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0658	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.81	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0659	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.93	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0660	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.86	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0661	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.47	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0662	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.27	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0663	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.47	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0664	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.37	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0665	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.23	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0666	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.73	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0667	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	43.69	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0668	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	46.11	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0669 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-0670 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0671	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.64	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0672	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.66	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0673	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.69	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0674	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.97	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0675	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.20	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0676	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.36	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0677	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.43	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0678	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.54	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0679	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.74	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0680	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.79	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0681	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.01	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0682	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.19	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0683	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0684	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.51	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0685	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.98	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0686	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0687 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0688	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.52	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0689	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.06	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0690	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.11	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0691	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.13	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0692	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.46	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0693	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.97	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0694	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.07	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0695	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.30	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0696	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.35	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0697	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.76	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0698	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.96	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0699	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0700	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0701	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.39	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0702	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.02	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0703	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0704		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*		
05 05 23 00-0705	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.68	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0706	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.81	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0707	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.94	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0708	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.27	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0709	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.50	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0710	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.78	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0711	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.97	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0712	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.33	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0713	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.47	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0714	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.80	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0715	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0716	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.49	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0717	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.57	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0718	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.70	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0719	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.75	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0720	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.28	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0721		7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0722	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.96	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0723	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.55	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0724	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.00	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0725	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0726	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.90	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0727	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0728	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.41	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0729	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.83	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0730	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.21	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0731	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0732	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.17	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	

05 05 23 00-0733 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0734	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.70	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0735	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.89	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0736	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.28	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0737	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.81	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0738	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0739	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.66	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0740	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.84	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0741	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.05	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0742	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.49	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0743	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.78	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0744	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.27	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0745	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.32	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0746	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0747	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.65	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0748	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0749	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0750	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0751	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0752	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-0753 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0754	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.86	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0755	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.16	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0756	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.36	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0757	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.78	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0758	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.22	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0759	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.20	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0760	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.45	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0761	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0762	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.92	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0763	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0764	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0765	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.75	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0767	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.67	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0768	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.19	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0769	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0770	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.85	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0771	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.76	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0772	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0773 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0774	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.29	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0775	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0776	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.72	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0777	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0778	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0779	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0780	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0781	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.51	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0782	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0783	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0784	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.08	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0785	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.56	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0786	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.61	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0787	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0788	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.24	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0789	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0790	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.54	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0791	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.82	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0792	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0793 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0794	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0795	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.16	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0796	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.57	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0797	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.50	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0798	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0799	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.60	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0800	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.21	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0801	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0802	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.64	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0803	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0804	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.11	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0805	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.88	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0806	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.01	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0807	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.28	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0808	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.69	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0809	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.31	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0810	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.10	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0811	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.84	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0812 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0669)*

05 05 23 00-0813	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0814	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0815	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0816	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.69	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0817	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.68	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0818	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.10	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0819	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.33	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0820	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.55	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0821	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.00	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0822	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.17	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0823	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.05	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0824	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.80	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0825	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.52	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0826	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.13	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0827	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.53	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0828	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.60	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0829	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.17	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0830 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-0831 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0832	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.61	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0833	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.75	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0834	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.92	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0835	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.11	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0836	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.38	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0837	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.67	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0838	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.00	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0839	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.34	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0840	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.75	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0841	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0842	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0843	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.13	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0844	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.53	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0845	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.24	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0846	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.59	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0847	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.42	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0848 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0849	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.86	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0850	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.99	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0851	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.25	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0852	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.47	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0853	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.95	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0854	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.08	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0855	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.77	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0856	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.35	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0857	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.12	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0858	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.50	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0859	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0860	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0861	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0862	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.33	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0863 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0864	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.19	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0865	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.35	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0866	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.77	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0867	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.30	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-0868	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.66	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0869	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.08	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0870	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.64	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-0871	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.23	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0872	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.89	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0873	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.34	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-0874	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0875	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0876	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-0877	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0878	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-0879	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.96	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-0880 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0881	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.01	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0882	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0883	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0884	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.35	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0885	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.16	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0886	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.52	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0887	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0888	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0889	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0890	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0891	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.17	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0892	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.50	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0893	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.90	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

05 05 23 00-0894 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0895	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.99	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0896	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0897	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.24	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0898	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.76	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0899	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.72	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0900	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0901	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0902	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0903	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0904	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0905	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0906	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.18	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0907	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0908	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.98	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0909	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.20	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-0910	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.23	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0911	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.72	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0912	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.08	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0913	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.42	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-0914 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0915	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.55	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0916	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0917	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.61	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-0918	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.48	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0919	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.85	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0920	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.24	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-0921	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.85	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0922	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.39	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0923	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.45	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-0924	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.91	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-0925	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.62	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	

05 05 23 00-0926 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0927	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0928	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.83	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0929	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0930	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0931	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0932	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0933	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.70	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0934	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.71	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0935	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.32	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0936	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.32	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0937	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.76	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0938	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.05	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0939	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.05	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0940	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.45	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0941	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.53	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0942	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.04	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0943	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.45	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0944	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.74	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0945	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.33	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0946 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0947	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0948	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.61	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0949	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.91	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-0950	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0951	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.84	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0952	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.25	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-0953	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.77	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0954	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.01	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0955	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.81	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-0956	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.75	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0957	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.84	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0958	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.76	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-0959	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.26	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0960	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.59	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0961	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.69	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-0962	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.11	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0963	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.23	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0964	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.26	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0965	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.60	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-0966 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

05 05 23 00-0967	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0968	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.72	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0969	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.69	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0970	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0971	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.99	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0972	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.12	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0973	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.92	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0974	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.34	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0975	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.24	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0976	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.33	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0977	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	47.82	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0978	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.32	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0979	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.48	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0980	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.63	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0981	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	74.33	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0982	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	84.43	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0983	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	89.10	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-0984	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	93.76	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-0985 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0830)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0986	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.22	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0987	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.01	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-0988	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.77	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0989	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.03	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0990	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.74	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-0991	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.00	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0992	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.58	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0993	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.41	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-0994	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.09	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0995	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.30	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0996	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.56	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-0997	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	71.63	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0998	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	73.56	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-0999	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.50	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1000	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	79.45	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1001	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	85.38	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1002	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	112.28	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1003	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	143.62	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-1004 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0112)*

05 05 23 00-1005 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1006	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	3.87	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1007	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	4.16	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1008	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	4.36	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1009	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	4.51	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1010	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.00	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1011	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.37	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1012	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.73	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1013	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.11	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1014	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.42	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1015	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.56	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1016	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.59	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1017	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.85	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1018	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1019	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	28.78	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-1020	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	53.93	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-1021	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	59.66	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-1022 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1023	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.26	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1024	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	4.58	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1025	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.12	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1026	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.53	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1027	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.79	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1028	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.62	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1029	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.20	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1030	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.54	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1031	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.78	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1032	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	9.03	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1033	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1034	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1035	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.97	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1036	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.46	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-1037 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1038	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.11	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1039	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.24	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1040	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.74	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1041	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.94	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-0.98*	
05 05 23 00-1042	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.45	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1043	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.67	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1044	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.00*	
05 05 23 00-1045	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.95	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1046	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1047	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	10.05	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.03*	
05 05 23 00-1048	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1049	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1050	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.43	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.06*	
05 05 23 00-1051	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	17.99	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1052	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.25	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	
05 05 23 00-1053	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	33.09	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.09*	

05 05 23 00-1054 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1055	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.57	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1056	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1057	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1058	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.04	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1059	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1060	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.61	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1061	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1062	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.21	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1063	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	18.03	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1064	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.66	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1065	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1066	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.82	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1067	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.39	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	

05 05 23 00-1068 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1069	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.53	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1070	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.34	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1071	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1072	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1073	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.18	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1074	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.49	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1075	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.10	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1076	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.52	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1077	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	20.42	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.88	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1079	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	21.65	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1080	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.71	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1081	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	31.88	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-1082	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.50	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-1083	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	38.85	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.23*	
05 05 23 00-1084	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.43	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1085	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	57.85	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1086	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.06	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1087	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	60.95	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	

05 05 23 00-1088 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1089	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	27.85	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1090	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.51	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1091	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	39.44	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.11*	
05 05 23 00-1092	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.53	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1093	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	49.80	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1094	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.07	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.14*	
05 05 23 00-1095	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	58.44	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1096	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	62.79	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1097	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	66.65	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.17*	
05 05 23 00-1098	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.90	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	
05 05 23 00-1099	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	71.30	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.19*	

05 05 23 00-1100 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1101	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.14	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1102	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.37	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1103	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1104	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.06	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1105	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	15.62	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1106	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.59	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1107	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.72	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1108	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.07	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1109	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	27.57	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1110	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.52	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1111	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	31.76	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1112	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.36	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1113	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	42.21	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1114	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.17	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1115	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	46.73	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1116	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.02	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1117	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	53.03	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1118	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.40	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1119	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	82.75	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

05 05 23 00-1120 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-1004)*

05 05 23 00-1121	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	18.18	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1122	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.72	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1123	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	20.79	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.25*	
05 05 23 00-1124	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.69	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1125	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	26.55	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1126	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.79	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.28*	
05 05 23 00-1127	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	33.65	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1128	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.62	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1129	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.71	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.31*	
05 05 23 00-1130	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.24	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1131	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	40.72	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1132	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.32	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.34*	
05 05 23 00-1133	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	59.43	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1134	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.01	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1135	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	69.30	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.37*	
05 05 23 00-1136	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.55	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1137	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	87.54	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1138	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	88.64	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1139	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	91.38	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1140		**7/8" Diameter, 316 Stainless Steel, Hex Head Bolts** *(05 05 23 00-1004)*		
05 05 23 00-1141	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.61	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1142	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1143	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.22	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-1144	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	31.22	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-1145	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.46	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-1146	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	35.52	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1147	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.56	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1148	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	45.37	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1149	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.64	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1150	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	47.90	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1151	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.98	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1152	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	75.50	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1153	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	84.55	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1154	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	89.01	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1155	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.90	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1156	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	98.78	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1157	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	102.62	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1158	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	106.95	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1159		**1" Diameter, 316 Stainless Steel, Hex Head Bolts** *(05 05 23 00-1004)*		
05 05 23 00-1160	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	28.47	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.16*	
		For >500, Deduct	*-1.39*	
05 05 23 00-1161	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.06	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1162	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	37.75	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-1163	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.64	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.42*	
05 05 23 00-1164	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	45.84	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1165	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.83	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1166	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	53.87	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.45*	
05 05 23 00-1167	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.02	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1168	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	68.44	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1169	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	78.72	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.47*	
05 05 23 00-1170	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	92.88	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1171	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	104.69	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1172	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	106.39	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.50*	
05 05 23 00-1173	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	110.34	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1174	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	111.97	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1175	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	131.59	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	
05 05 23 00-1176	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	150.53	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.53*	

05 05 23 00-1177 Screws *(05 05 23)*

05 05 23 00-1178 Teks® 5 Self Drilling Screws *(05 05 23 00-1177)*

Note: Includes Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1179	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	2.09	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.34*	
05 05 23 00-1180	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	2.29	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.35*	
05 05 23 00-1181	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	2.67	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.19*	
		For >100, Deduct	*-0.38*	
05 05 23 00-1182	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	4.02	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.51*	
05 05 23 00-1183	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	4.36	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.27*	
		For >100, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1184	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	6.05	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.32*	
		For >100, Deduct	*-0.64*	
05 05 23 00-1185	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.03	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.71*	

05 05 23 00-1186 Security Screws *(05 05 23 00-1177)*

05 05 23 00-1187 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1186)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1188	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	1.52	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.14*	
		For >100, Deduct	*-0.27*	
05 05 23 00-1189	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.07	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.15*	
		For >100, Deduct	*-0.30*	
05 05 23 00-1190	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.55	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.32*	
05 05 23 00-1191	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.71	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.33*	
05 05 23 00-1192	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.02	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.35*	
05 05 23 00-1193	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.20	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.15*	
		For >100, Deduct	*-0.31*	
05 05 23 00-1194	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.42	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.32*	
05 05 23 00-1195	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.90	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.34*	
05 05 23 00-1196	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.04	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.35*	
05 05 23 00-1197	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.34	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.31*	
05 05 23 00-1198	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.40	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.32*	
05 05 23 00-1199	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.61	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100, Deduct	*-0.33*	
05 05 23 00-1200	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	3.25	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100, Deduct	*-0.36*	
05 05 23 00-1201	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.71	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.33*	
05 05 23 00-1202	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.85	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100, Deduct	*-0.34*	
05 05 23 00-1203	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.47	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100, Deduct	*-0.37*	
05 05 23 00-1204	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.44	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	

05 05 23 00-1205 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1298 for nuts and washers.

05 05 23 00-1206 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1205)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1207	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.47	0.25
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1208	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.02	0.28
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1209	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.36	0.31
		For Left Hand Threaded Rod, Add	*0.17*	
05 05 23 00-1210	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.35	0.32
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1211	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.43	0.33
		For Left Hand Threaded Rod, Add	*0.28*	
05 05 23 00-1212	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.38	0.34
		For Left Hand Threaded Rod, Add	*0.37*	
05 05 23 00-1213	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.99	0.34
		For Left Hand Threaded Rod, Add	*0.43*	
05 05 23 00-1214	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.52	0.35
		For Left Hand Threaded Rod, Add	*0.78*	
05 05 23 00-1215	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.31	0.37
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1216	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.87	0.41
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1217	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.10	0.46
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1218	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.53	0.49
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1219	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	26.95	0.54
		For Left Hand Threaded Rod, Add	*2.59*	
05 05 23 00-1220	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	32.37	0.56
		For Left Hand Threaded Rod, Add	*3.12*	
05 05 23 00-1221	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	39.85	0.59
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1222	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	51.13	0.62
		For Left Hand Threaded Rod, Add	*4.99*	

05 05 23 00-1223 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1205)*

05 05 23 00-1224	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.48	0.25
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1225	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.35	0.28
		For Left Hand Threaded Rod, Add	*0.18*	
05 05 23 00-1226	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.61	0.31
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1227	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.96	0.32
		For Left Hand Threaded Rod, Add	*0.33*	
05 05 23 00-1228	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.29	0.33
		For Left Hand Threaded Rod, Add	*0.36*	
05 05 23 00-1229	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.78	0.34
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1230	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.16	0.34
		For Left Hand Threaded Rod, Add	*0.55*	
05 05 23 00-1231	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.52	0.35
		For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1232	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.47	0.37
		For Left Hand Threaded Rod, Add	*1.17*	
05 05 23 00-1233	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	16.87	0.41
		For Left Hand Threaded Rod, Add	*1.60*	
05 05 23 00-1234	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	21.88	0.46
		For Left Hand Threaded Rod, Add	*2.10*	
05 05 23 00-1235	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	26.17	0.49
		For Left Hand Threaded Rod, Add	*2.51*	
05 05 23 00-1236	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.83	0.54
		For Left Hand Threaded Rod, Add	*2.88*	
05 05 23 00-1237	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	37.75	0.56
		For Left Hand Threaded Rod, Add	*3.66*	
05 05 23 00-1238	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	46.94	0.59
		For Left Hand Threaded Rod, Add	*4.58*	
05 05 23 00-1239	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	68.89	0.62
		For Left Hand Threaded Rod, Add	*6.77*	

05 05 23 00-1240 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1205)*

05 05 23 00-1241	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.62	0.31
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1242	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.64	0.33
		For Left Hand Threaded Rod, Add	*0.60*	
05 05 23 00-1243	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.13	0.34
		For Left Hand Threaded Rod, Add	*0.84*	
05 05 23 00-1244	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	12.73	0.35
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1245	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	17.81	0.37
		For Left Hand Threaded Rod, Add	*1.71*	
05 05 23 00-1246	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.07	0.41
		For Left Hand Threaded Rod, Add	*2.22*	
05 05 23 00-1247	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.48	0.46
		For Left Hand Threaded Rod, Add	*2.96*	
05 05 23 00-1248	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	40.24	0.49
		For Left Hand Threaded Rod, Add	*3.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1249	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	45.03	0.54
		For Left Hand Threaded Rod, Add	*4.40*	
05 05 23 00-1250	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	53.73	0.56
		For Left Hand Threaded Rod, Add	*5.26*	
05 05 23 00-1251	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	65.43	0.59
		For Left Hand Threaded Rod, Add	*6.43*	
05 05 23 00-1252	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	114.88	0.62
		For Left Hand Threaded Rod, Add	*11.36*	

05 05 23 00-1253 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1205)*

05 05 23 00-1254	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.41	0.25
		For Left Hand Threaded Rod, Add	*0.29*	
05 05 23 00-1255	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.53	0.28
		For Left Hand Threaded Rod, Add	*0.50*	
05 05 23 00-1256	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.27	0.31
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1257	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.54	0.32
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1258	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.85	0.33
		For Left Hand Threaded Rod, Add	*1.22*	
05 05 23 00-1259	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.03	0.34
		For Left Hand Threaded Rod, Add	*1.84*	
05 05 23 00-1260	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.90	0.34
		For Left Hand Threaded Rod, Add	*1.92*	
05 05 23 00-1261	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	28.36	0.35
		For Left Hand Threaded Rod, Add	*2.77*	
05 05 23 00-1262	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	39.48	0.37
		For Left Hand Threaded Rod, Add	*3.88*	
05 05 23 00-1263	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	50.86	0.41
		For Left Hand Threaded Rod, Add	*5.00*	
05 05 23 00-1264	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	109.05	0.49
		For Left Hand Threaded Rod, Add	*10.80*	
05 05 23 00-1265	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	166.92	0.56
		For Left Hand Threaded Rod, Add	*16.58*	
05 05 23 00-1266	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	171.65	0.59
		For Left Hand Threaded Rod, Add	*17.05*	
05 05 23 00-1267	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	238.29	0.62
		For Left Hand Threaded Rod, Add	*23.71*	

05 05 23 00-1268 316 Stainless Steel Threaded Rod *(05 05 23 00-1205)*

05 05 23 00-1269	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	5.37	0.25
		For Left Hand Threaded Rod, Add	*0.49*	
05 05 23 00-1270	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	9.16	0.28
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1271	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	12.37	0.31
		For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1272	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	19.95	0.32
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1273	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	21.20	0.33
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1274	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	28.20	0.34
		For Left Hand Threaded Rod, Add	*2.75*	
05 05 23 00-1275	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	30.42	0.34
		For Left Hand Threaded Rod, Add	*2.97*	
05 05 23 00-1276	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	44.92	0.35
		For Left Hand Threaded Rod, Add	*4.42*	
05 05 23 00-1277	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	61.96	0.37
		For Left Hand Threaded Rod, Add	*6.12*	
05 05 23 00-1278	LF	1" Diameter, 316 Stainless Steel Threaded Rod	78.60	0.41
		For Left Hand Threaded Rod, Add	*7.78*	
05 05 23 00-1279	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	167.32	0.49
		For Left Hand Threaded Rod, Add	*16.63*	
05 05 23 00-1280	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	219.76	0.56
		For Left Hand Threaded Rod, Add	*21.86*	

05 05 23 00-1281 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1205)*

05 05 23 00-1282	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.85	0.25
		For Zinc Plating, Add	*1.18*	
05 05 23 00-1283	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.59	0.28
		For Zinc Plating, Add	*2.03*	
05 05 23 00-1284	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.76	0.31
		For Zinc Plating, Add	*2.07*	
05 05 23 00-1285	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.23	0.32
		For Zinc Plating, Add	*2.30*	
05 05 23 00-1286	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.80	0.33
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1287	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.39	0.34
		For Zinc Plating, Add	*3.36*	
05 05 23 00-1288	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.63	0.34
		For Zinc Plating, Add	*3.47*	
05 05 23 00-1289	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.30	0.35
		For Zinc Plating, Add	*4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1290	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.44	0.37
		For Zinc Plating, Add	*5.86*	
05 05 23 00-1291	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.25	0.41
		For Zinc Plating, Add	*7.71*	
05 05 23 00-1292	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.26	0.46
		For Zinc Plating, Add	*10.18*	
05 05 23 00-1293	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	23.67	0.49
		For Zinc Plating, Add	*11.32*	
05 05 23 00-1294	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	27.41	0.54
		For Zinc Plating, Add	*13.17*	
05 05 23 00-1295	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	33.50	0.56
		For Zinc Plating, Add	*16.19*	
05 05 23 00-1296	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	34.61	0.59
		For Zinc Plating, Add	*16.72*	
05 05 23 00-1297	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	46.76	0.62
		For Zinc Plating, Add	*22.76*	

05 05 23 00-1298 Nuts And Washers *(05 05 23)*

05 05 23 00-1299 Hex Nuts *(05 05 23 00-1298)*

05 05 23 00-1300 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1299)*

05 05 23 00-1301	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.34	0.13
05 05 23 00-1302	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.39	0.13
05 05 23 00-1303	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.44	0.13
05 05 23 00-1304	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.56	0.13
05 05 23 00-1305	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.63	0.13
05 05 23 00-1306	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.98	0.13
05 05 23 00-1307	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.02	0.13
05 05 23 00-1308	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.28	0.26
05 05 23 00-1309	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.11	0.26
05 05 23 00-1310	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.77	0.26
05 05 23 00-1311	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.91	0.26
05 05 23 00-1312	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	6.09	0.26
05 05 23 00-1313	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	9.34	0.26
05 05 23 00-1314	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.92	0.39
05 05 23 00-1315	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	16.45	0.39
05 05 23 00-1316	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	24.18	0.39

05 05 23 00-1317 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1299)*

05 05 23 00-1318	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.37	0.13
05 05 23 00-1319	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.40	0.13
05 05 23 00-1320	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.47	0.13
05 05 23 00-1321	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.60	0.13
05 05 23 00-1322	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.77	0.13
05 05 23 00-1323	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.02	0.13
05 05 23 00-1324	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.05	0.13
05 05 23 00-1325	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.53	0.26
05 05 23 00-1326	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.36	0.26
05 05 23 00-1327	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.51	0.26
05 05 23 00-1328	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	5.65	0.26
05 05 23 00-1329	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	8.22	0.26
05 05 23 00-1330	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.46	0.26
05 05 23 00-1331	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.81	0.39
05 05 23 00-1332	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	25.67	0.39
05 05 23 00-1333	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	37.21	0.39

05 05 23 00-1334 Zinc Plated Steel, Grade 8 Hex Nuts *(05 05 23 00-1299)*

05 05 23 00-1335	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.38	0.13
05 05 23 00-1336	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.47	0.13
05 05 23 00-1337	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.53	0.13
05 05 23 00-1338	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.76	0.13
05 05 23 00-1339	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.99	0.13
05 05 23 00-1340	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.27	0.13
05 05 23 00-1341	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.51	0.13
05 05 23 00-1342	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.98	0.26
05 05 23 00-1343	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.22	0.26
05 05 23 00-1344	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.42	0.26
05 05 23 00-1345	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.25	0.26
05 05 23 00-1346	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	9.15	0.26
05 05 23 00-1347	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	15.61	0.26
05 05 23 00-1348	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.58	0.39
05 05 23 00-1349	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	25.75	0.39
05 05 23 00-1350	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	36.78	0.39

05 05 23 00-1351 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1299)*

05 05 23 00-1352	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.38	0.13
05 05 23 00-1353	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.44	0.13
05 05 23 00-1354	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.13
05 05 23 00-1355	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.73	0.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1356	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.13
05 05 23 00-1357	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.04	0.13
05 05 23 00-1358	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.19	0.13
05 05 23 00-1359	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.75	0.26
05 05 23 00-1360	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.77	0.26
05 05 23 00-1361	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.98	0.26
05 05 23 00-1362	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.99	0.26
05 05 23 00-1363	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	9.09	0.26
05 05 23 00-1364	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	13.89	0.26
05 05 23 00-1365	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	16.31	0.39
05 05 23 00-1366	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	29.13	0.39
05 05 23 00-1367	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	51.10	0.39
05 05 23 00-1368		**304 Stainless Steel Hex Nuts** *(05 05 23 00-1299)*		
05 05 23 00-1369	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.50	0.13
05 05 23 00-1370	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.63	0.13
05 05 23 00-1371	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	0.76	0.13
05 05 23 00-1372	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.37	0.13
05 05 23 00-1373	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.51	0.13
05 05 23 00-1374	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.59	0.13
05 05 23 00-1375	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.95	0.13
05 05 23 00-1376	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.45	0.26
05 05 23 00-1377	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	6.08	0.26
05 05 23 00-1378	EA	1" Diameter, 304 Stainless Steel Hex Nut	9.56	0.26
05 05 23 00-1379	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	23.94	0.26
05 05 23 00-1380	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	46.87	0.39
05 05 23 00-1381	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	83.24	0.39
05 05 23 00-1382	EA	2" Diameter, 304 Stainless Steel Hex Nut	119.09	0.39
05 05 23 00-1383		**316 Stainless Steel Hex Nuts** *(05 05 23 00-1299)*		
05 05 23 00-1384	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.66	0.13
05 05 23 00-1385	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	0.78	0.13
05 05 23 00-1386	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.01	0.13
05 05 23 00-1387	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	1.99	0.13
05 05 23 00-1388	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.15	0.13
05 05 23 00-1389	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.13	0.13
05 05 23 00-1390	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	3.60	0.13
05 05 23 00-1391	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	5.25	0.26
05 05 23 00-1392	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	7.54	0.26
05 05 23 00-1393	EA	1" Diameter, 316 Stainless Steel Hex Nut	11.90	0.26
05 05 23 00-1394	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	37.71	0.26
05 05 23 00-1395	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	61.54	0.39
05 05 23 00-1396	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	104.62	0.39
05 05 23 00-1397	EA	2" Diameter, 316 Stainless Steel Hex Nut	195.47	0.39
05 05 23 00-1398		**Flat Washers** *(05 05 23 00-1298)*		
05 05 23 00-1399		**Zinc Plated Steel, Low Carbon Flat Washers** *(05 05 23 00-1398)*		
05 05 23 00-1400	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.06	
05 05 23 00-1401	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.09	
05 05 23 00-1402	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.16	
05 05 23 00-1403	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.25	
05 05 23 00-1404	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.35	
05 05 23 00-1405	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.40	
05 05 23 00-1406	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1407	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.98	
05 05 23 00-1408	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.17	
05 05 23 00-1409	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.43	
05 05 23 00-1410	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	
05 05 23 00-1411	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.93	
05 05 23 00-1412	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.03	
05 05 23 00-1413	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.11	
05 05 23 00-1414	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.60	
05 05 23 00-1415	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	5.72	
05 05 23 00-1416		**Zinc Plated Steel, Hardened Flat Washers** *(05 05 23 00-1398)*		
05 05 23 00-1417	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1418	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1419	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.33	
05 05 23 00-1420	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.45	
05 05 23 00-1421	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.61	
05 05 23 00-1422	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.98	
05 05 23 00-1423	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.40	
05 05 23 00-1424	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.98	
05 05 23 00-1425	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.30	
05 05 23 00-1426	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1427	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.33	
05 05 23 00-1428	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.81	
05 05 23 00-1429	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1430	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.77	
05 05 23 00-1431	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.79	
05 05 23 00-1432	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	14.14	
05 05 23 00-1433		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1398)*		
05 05 23 00-1434	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.14	
05 05 23 00-1435	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1436	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.22	
05 05 23 00-1437	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1438	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.53	
05 05 23 00-1439	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.86	
05 05 23 00-1440	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.96	
05 05 23 00-1441	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.46	
05 05 23 00-1442	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.06	
05 05 23 00-1443	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.26	
05 05 23 00-1444	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.46	
05 05 23 00-1445	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.85	
05 05 23 00-1446	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.50	
05 05 23 00-1447	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.96	
05 05 23 00-1448	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	8.64	
05 05 23 00-1449		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1398)*		
05 05 23 00-1450	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.18	
05 05 23 00-1451	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.24	
05 05 23 00-1452	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.34	
05 05 23 00-1453	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.64	
05 05 23 00-1454	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.16	
05 05 23 00-1455	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.45	
05 05 23 00-1456	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.12	
05 05 23 00-1457	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.16	
05 05 23 00-1458	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.56	
05 05 23 00-1459	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.77	
05 05 23 00-1460	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.72	
05 05 23 00-1461	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.24	
05 05 23 00-1462	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.65	
05 05 23 00-1463	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.33	
05 05 23 00-1464	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.59	
05 05 23 00-1465	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	22.77	
05 05 23 00-1466		316 Stainless Steel Flat Washers *(05 05 23 00-1398)*		
05 05 23 00-1467	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.35	
05 05 23 00-1468	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.39	
05 05 23 00-1469	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.69	
05 05 23 00-1470	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.81	
05 05 23 00-1471	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.50	
05 05 23 00-1472	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.70	
05 05 23 00-1473	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.19	
05 05 23 00-1474	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.02	
05 05 23 00-1475	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.22	
05 05 23 00-1476	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	6.95	
05 05 23 00-1477	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.92	
05 05 23 00-1478	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.75	
05 05 23 00-1479	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	10.31	
05 05 23 00-1480	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	10.54	
05 05 23 00-1481	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	15.45	
05 05 23 00-1482		Lock Washers *(05 05 23 00-1298)*		
05 05 23 00-1483		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1482)*		
05 05 23 00-1484	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1485	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1486	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1487	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1488	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.14	
05 05 23 00-1489	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.23	
05 05 23 00-1490	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1491	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.39	
05 05 23 00-1492	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.65	
05 05 23 00-1493	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.17	
05 05 23 00-1494	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.71	
05 05 23 00-1495	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.62	
05 05 23 00-1496	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.15	
05 05 23 00-1497	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.89	
05 05 23 00-1498	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.72	
05 05 23 00-1499	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.82	
05 05 23 00-1500		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1482)*		
05 05 23 00-1501	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1502	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1503	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.17	
05 05 23 00-1504	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1505	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.29	
05 05 23 00-1506	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.38	
05 05 23 00-1507	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.45	
05 05 23 00-1508	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.75	
05 05 23 00-1509	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.08	
05 05 23 00-1510	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.71	
05 05 23 00-1511	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.10	
05 05 23 00-1512	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.69	
05 05 23 00-1513	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.33	
05 05 23 00-1514	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.10	
05 05 23 00-1515	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.25	
05 05 23 00-1516	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	11.24	
05 05 23 00-1517		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1482)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1519	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1520	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1521	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1522	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.61	
05 05 23 00-1523	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.49	
05 05 23 00-1524	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.76	
05 05 23 00-1525	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.05	
05 05 23 00-1526	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.71	
05 05 23 00-1527	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.23	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.13	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.15	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	15.45	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	18.54	
05 05 23 00-1532		316 Stainless Steel Lock Washers *(05 05 23 00-1482)*		
05 05 23 00-1533	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1534	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.40	
05 05 23 00-1535	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.47	
05 05 23 00-1536	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.80	
05 05 23 00-1537	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.89	
05 05 23 00-1538	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.59	
05 05 23 00-1539	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.74	
05 05 23 00-1540	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.01	
05 05 23 00-1541	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.98	
05 05 23 00-1542	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	6.78	
05 05 23 00-1543	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	9.46	
05 05 23 00-1544	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	14.56	
05 05 23 00-1545	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	26.07	
05 05 23 00-1546	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	28.95	
05 05 23 00-1547		Load Indicating Washers *(05 05 23 00-1298)*		
05 05 23 00-1548		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1547)*		
05 05 23 00-1549		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1548)*		
05 05 23 00-1550	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.84	
05 05 23 00-1551	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.22	
05 05 23 00-1552	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.47	
05 05 23 00-1553	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.94	
05 05 23 00-1554	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1555	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.92	
05 05 23 00-1556	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.23	
05 05 23 00-1557	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.06	
05 05 23 00-1558	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	14.36	
05 05 23 00-1559		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1548)*		
05 05 23 00-1560	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.60	
05 05 23 00-1561	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.01	
05 05 23 00-1562	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.90	
05 05 23 00-1563	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1564	EA	1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	5.64	
05 05 23 00-1565	EA	1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.50	
05 05 23 00-1566	EA	1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.70	
05 05 23 00-1567	EA	1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	15.23	
05 05 23 00-1568	EA	1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	16.75	
05 05 23 00-1569		Beveled Washers *(05 05 23 00-1298)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1570		**Plain Finish, Square Beveled Structural Washers (ASTM F436)** *(05 05 23 00-1569)*		
05 05 23 00-1571	EA	1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.70	
05 05 23 00-1572	EA	5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.79	
05 05 23 00-1573	EA	3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1574	EA	7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.96	
05 05 23 00-1575	EA	1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	6.27	
05 05 23 00-1576		**Galvanized, Square Beveled Structural Washers (ASTM F436)** *(05 05 23 00-1569)*		
05 05 23 00-1577	EA	1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.76	
05 05 23 00-1578	EA	5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1579	EA	3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1580	EA	7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.46	
05 05 23 00-1581	EA	1", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.94	
05 05 23 00-1582		**Welded Stud Anchors** *(05 05 23)*		
05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	3.45	
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	3.55	
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	3.59	
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	3.63	
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.25	
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.50	
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.74	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	3.87	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.00	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.51	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.93	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.26	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.14	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.17	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.56	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	4.92	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.36	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.06	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.50	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.72	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	10.03	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	6.31	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	6.90	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.37	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.84	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.23	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.59	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.06	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	11.03	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	13.75	
05 05 23 00-1613		**Welded Shear Stud Connector** *(05 05 23)*		
05 05 23 00-1614		**3/4" Diameter Welded Shear Stud Connector** *(05 05 23 00-1613)*		
05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	8.32	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	8.74	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	8.85	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	8.90	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	9.37	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	10.23	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	18.59	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	11.23	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	12.76	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	15.75	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	16.22	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	17.89	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	24.88	
05 05 23 00-1628		**7/8" Diameter Welded Shear Stud Connector** *(05 05 23 00-1613)*		
05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.40	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	11.07	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	11.73	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.65	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	16.78	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	18.80	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	20.80	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	26.41	
05 05 23 00-1637		**1" Diameter Welded Shear Stud Connector** *(05 05 23 00-1613)*		
05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	14.76	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	16.81	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	19.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	24.35	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	27.52	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	30.68	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0128 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0128 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns	9,920.16	696.32
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns	7,439.48	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*556.74*	
		For Hot Dip Galvanizing, Add	*1,948.60*	
		For >10 To 25 Tons, Deduct	*-591.54*	
		For >25 To 50 Tons, Deduct	*-1,217.88*	
		For >50 To 75 Tons, Deduct	*-1,739.82*	
		For >75 Tons, Deduct	*-869.91*	
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns	6,448.44	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*494.27*	
		For Hot Dip Galvanizing, Add	*1,729.94*	
		For >10 To 25 Tons, Deduct	*-525.16*	
		For >25 To 50 Tons, Deduct	*-1,081.21*	
		For >50 To 75 Tons, Deduct	*-1,544.59*	
		For >75 Tons, Deduct	*-772.29*	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns	4,367.67	134.78
		For ASTM A242 Type 2 High Strength Steel, Add	*337.89*	
		For Hot Dip Galvanizing, Add	*1,182.61*	
		For >10 To 25 Tons, Deduct	*-359.01*	
		For >25 To 50 Tons, Deduct	*-739.13*	
		For >50 To 75 Tons, Deduct	*-1,055.91*	
		For >75 Tons, Deduct	*-527.95*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	7,898.53	473.56
		For ASTM A242 Type 2 High Strength Steel, Add	*591.49*	
		For Hot Dip Galvanizing, Add	*2,070.22*	
		For >10 To 25 Tons, Deduct	*-628.46*	
		For >25 To 50 Tons, Deduct	*-1,293.89*	
		For >50 To 75 Tons, Deduct	*-1,848.42*	
		For >75 Tons, Deduct	*-924.21*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles	14,403.19	1,294.47
		For ASTM A242 Type 2 High Strength Steel, Add	*979.66*	
		For Hot Dip Galvanizing, Add	*3,428.81*	
		For >10 To 25 Tons, Deduct	*-1,040.89*	
		For >25 To 50 Tons, Deduct	*-2,143.00*	
		For >50 To 75 Tons, Deduct	*-3,061.44*	
		For >75 Tons, Deduct	*-1,530.72*	
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles	13,154.87	759.67
		For ASTM A242 Type 2 High Strength Steel, Add	*937.15*	
		For Hot Dip Galvanizing, Add	*3,280.01*	
		For >10 To 25 Tons, Deduct	*-995.72*	
		For >25 To 50 Tons, Deduct	*-2,050.01*	
		For >50 To 75 Tons, Deduct	*-2,928.58*	
		For >75 Tons, Deduct	*-1,464.29*	
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles	10,785.01	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*824.39*	
		For Hot Dip Galvanizing, Add	*2,885.37*	
		For >10 To 25 Tons, Deduct	*-875.92*	
		For >25 To 50 Tons, Deduct	*-1,803.36*	
		For >50 To 75 Tons, Deduct	*-2,576.23*	
		For >75 Tons, Deduct	*-1,288.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0014		**Rolled C, MC Steel Channels** *(05 12 23 00-0009)*		
05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels	15,029.07	1,772.56
		For ASTM A242 Type 2 High Strength Steel, Add	*964.87*	
		For Hot Dip Galvanizing, Add	*3,377.05*	
		For >10 To 25 Tons, Deduct	*-1,025.18*	
		For >25 To 50 Tons, Deduct	*-2,110.66*	
		For >50 To 75 Tons, Deduct	*-3,015.23*	
		For >75 Tons, Deduct	*-1,507.61*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	12,993.14	1,350.52
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0017	TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels	10,600.17	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*809.61*	
		For Hot Dip Galvanizing, Add	*2,833.62*	
		For >10 To 25 Tons, Deduct	*-860.21*	
		For >25 To 50 Tons, Deduct	*-1,771.01*	
		For >50 To 75 Tons, Deduct	*-2,530.02*	
		For >75 Tons, Deduct	*-1,265.01*	
05 12 23 00-0018		**Double L Shape Steel Angles** *(05 12 23 00-0009)*		
05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	13,581.51	1,027.07
		For ASTM A242 Type 2 High Strength Steel, Add	*942.69*	
		For Hot Dip Galvanizing, Add	*3,299.42*	
		For >10 To 25 Tons, Deduct	*-1,001.61*	
		For >25 To 50 Tons, Deduct	*-2,062.14*	
		For >50 To 75 Tons, Deduct	*-2,945.91*	
		For >75 Tons, Deduct	*-1,472.96*	
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	11,570.58	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	8,819.02	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,689.07	134.98
		For ASTM A242 Type 2 High Strength Steel, Add	*443.62*	
		For Hot Dip Galvanizing, Add	*1,552.67*	
		For >10 To 25 Tons, Deduct	*-471.35*	
		For >25 To 50 Tons, Deduct	*-970.42*	
		For >50 To 75 Tons, Deduct	*-1,386.31*	
		For >75 Tons, Deduct	*-693.16*	
05 12 23 00-0023		**Structural WT, MT, ST Tee Shapes** *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	12,531.03	759.67
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,959.79	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,201.65	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*554.52*	
		For Hot Dip Galvanizing, Add	*1,940.83*	
		For >10 To 25 Tons, Deduct	*-589.18*	
		For >25 To 50 Tons, Deduct	*-1,213.02*	
		For >50 To 75 Tons, Deduct	*-1,732.89*	
		For >75 Tons, Deduct	*-866.44*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,365.82	134.78
		For ASTM A242 Type 2 High Strength Steel, Add	*417.74*	
		For Hot Dip Galvanizing, Add	*1,462.10*	
		For >10 To 25 Tons, Deduct	*-443.85*	
		For >25 To 50 Tons, Deduct	*-913.81*	
		For >50 To 75 Tons, Deduct	*-1,305.44*	
		For >75 Tons, Deduct	*-652.72*	
05 12 23 00-0028		**Combination Section Shapes** *(05 12 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0029		**Combination Section, W Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	11,814.77	759.67
		For ASTM A242 Type 2 High Strength Steel, Add	*829.94*	
		For Hot Dip Galvanizing, Add	*2,904.78*	
		For >10 To 25 Tons, Deduct	*-881.81*	
		For >25 To 50 Tons, Deduct	*-1,815.49*	
		For >50 To 75 Tons, Deduct	*-2,593.56*	
		For >75 Tons, Deduct	*-1,296.78*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	9,029.12	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,624.02	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*508.31*	
		For Hot Dip Galvanizing, Add	*1,779.10*	
		For >10 To 25 Tons, Deduct	*-540.08*	
		For >25 To 50 Tons, Deduct	*-1,111.94*	
		For >50 To 75 Tons, Deduct	*-1,588.48*	
		For >75 Tons, Deduct	*-794.24*	
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,827.71	134.78
		For ASTM A242 Type 2 High Strength Steel, Add	*454.71*	
		For Hot Dip Galvanizing, Add	*1,591.49*	
		For >10 To 25 Tons, Deduct	*-483.13*	
		For >25 To 50 Tons, Deduct	*-994.68*	
		For >50 To 75 Tons, Deduct	*-1,420.97*	
		For >75 Tons, Deduct	*-710.49*	
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	5,085.87	67.66
		For ASTM A242 Type 2 High Strength Steel, Add	*401.11*	
		For Hot Dip Galvanizing, Add	*1,403.88*	
		For >10 To 25 Tons, Deduct	*-426.18*	
		For >25 To 50 Tons, Deduct	*-877.42*	
		For >50 To 75 Tons, Deduct	*-1,253.46*	
		For >75 Tons, Deduct	*-626.73*	
05 12 23 00-0035		**Combination Section, S Shapes And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	8,659.42	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*654.34*	
		For Hot Dip Galvanizing, Add	*2,290.18*	
		For >10 To 25 Tons, Deduct	*-695.23*	
		For >25 To 50 Tons, Deduct	*-1,431.37*	
		For >50 To 75 Tons, Deduct	*-2,044.81*	
		For >75 Tons, Deduct	*-1,022.40*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,647.13	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*510.16*	
		For Hot Dip Galvanizing, Add	*1,785.57*	
		For >10 To 25 Tons, Deduct	*-542.05*	
		For >25 To 50 Tons, Deduct	*-1,115.98*	
		For >50 To 75 Tons, Deduct	*-1,594.26*	
		For >75 Tons, Deduct	*-797.13*	
05 12 23 00-0038		**Combination Section, Channels And Angles** *(05 12 23 00-0028)*		
05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	12,531.03	759.67
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	9,491.21	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	6,808.86	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*523.10*	
		For Hot Dip Galvanizing, Add	*1,830.85*	
		For >10 To 25 Tons, Deduct	*-555.79*	
		For >25 To 50 Tons, Deduct	*-1,144.28*	
		For >50 To 75 Tons, Deduct	*-1,634.69*	
		For >75 Tons, Deduct	*-817.35*	
05 12 23 00-0042		**Standard Weight Pipe** *(05 12 23 00-0001)*		
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	7,640.98	405.16
		For ASTM A242 Type 2 High Strength Steel, Add	*576.71*	
		For Hot Dip Galvanizing, Add	*2,018.47*	
		For >10 To 25 Tons, Deduct	*-612.75*	
		For >25 To 50 Tons, Deduct	*-1,261.54*	
		For >50 To 75 Tons, Deduct	*-1,802.21*	
		For >75 Tons, Deduct	*-901.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,072.49	506.44
		For ASTM A242 Type 2 High Strength Steel, Add	*602.58*	
		For Hot Dip Galvanizing, Add	*2,109.04*	
		For >10 To 25 Tons, Deduct	*-640.24*	
		For >25 To 50 Tons, Deduct	*-1,318.15*	
		For >50 To 75 Tons, Deduct	*-1,883.07*	
		For >75 Tons, Deduct	*-941.54*	

05 12 23 00-0045 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0128 for field fabrication of additional structural metal connections.

05 12 23 00-0046 Steel Rods *(05 12 23 00-0045)*

05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	8,378.23	316.56
		For ASTM A242 Type 2 High Strength Steel, Add	*643.25*	
		For Hot Dip Galvanizing, Add	*2,251.37*	
		For >10 To 25 Tons, Deduct	*-683.45*	
		For >25 To 50 Tons, Deduct	*-1,407.11*	
		For >50 To 75 Tons, Deduct	*-2,010.15*	
		For >75 Tons, Deduct	*-1,005.08*	
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	9,491.21	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	

05 12 23 00-0049 Column Base Plates *(05 12 23 00-0045)*

05 12 23 00-0050	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	3.84	0.35
		For ASTM A242 Type 2 High Strength Steel, Add	*0.28*	
		For Hot Dip Galvanizing, Add	*0.97*	
05 12 23 00-0051	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.62	0.30
		For ASTM A242 Type 2 High Strength Steel, Add	*0.26*	
		For Hot Dip Galvanizing, Add	*0.92*	
05 12 23 00-0052	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,477.80	309.85
		For ASTM A242 Type 2 High Strength Steel, Add	*571.78*	
		For Hot Dip Galvanizing, Add	*2,001.24*	
		For >10 To 25 Tons, Deduct	*-607.52*	
		For >25 To 50 Tons, Deduct	*-1,250.78*	
		For >50 To 75 Tons, Deduct	*-1,786.83*	
		For >75 Tons, Deduct	*-893.41*	
05 12 23 00-0053	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,367.85	185.91
		For ASTM A242 Type 2 High Strength Steel, Add	*413.56*	
		For Hot Dip Galvanizing, Add	*1,447.47*	
		For >10 To 25 Tons, Deduct	*-439.41*	
		For >25 To 50 Tons, Deduct	*-904.67*	
		For >50 To 75 Tons, Deduct	*-1,292.39*	
		For >75 Tons, Deduct	*-646.19*	

05 12 23 00-0054 Double Extra Strong Pipes *(05 12 23 00-0045)*

05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	9,813.23	578.76
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	
05 12 23 00-0056	TON	>5" To 8" Diameter Double Extra Strong Pipe	9,528.30	311.63
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	

05 12 23 00-0057 Structural Pipes *(05 12 23 00-0045)*

05 12 23 00-0058	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	6,880.88	267.40
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	
05 12 23 00-0059	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,149.81	308.39
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0060		Structural Tubing *(05 12 23 00-0045)*		
05 12 23 00-0061		Rectangle Structural Tubing *(05 12 23 00-0060)*		
05 12 23 00-0062	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	11,840.70	270.10
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0063	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	11,885.03	311.63
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0064	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,295.37	337.63
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0065	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	9,674.23	405.16
		For ASTM A242 Type 2 High Strength Steel, Add	*739.37*	
		For Hot Dip Galvanizing, Add	*2,587.78*	
		For >10 To 25 Tons, Deduct	*-785.58*	
		For >25 To 50 Tons, Deduct	*-1,617.36*	
		For >50 To 75 Tons, Deduct	*-2,310.52*	
		For >75 Tons, Deduct	*-1,155.26*	
05 12 23 00-0066	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,452.09	450.13
		For ASTM A242 Type 2 High Strength Steel, Add	*717.75*	
		For Hot Dip Galvanizing, Add	*2,512.13*	
		For >10 To 25 Tons, Deduct	*-762.61*	
		For >25 To 50 Tons, Deduct	*-1,570.08*	
		For >50 To 75 Tons, Deduct	*-2,242.98*	
		For >75 Tons, Deduct	*-1,121.49*	
05 12 23 00-0067	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	9,424.87	622.92
		For ASTM A242 Type 2 High Strength Steel, Add	*700.83*	
		For Hot Dip Galvanizing, Add	*2,452.91*	
		For >10 To 25 Tons, Deduct	*-744.63*	
		For >25 To 50 Tons, Deduct	*-1,533.07*	
		For >50 To 75 Tons, Deduct	*-2,190.10*	
		For >75 Tons, Deduct	*-1,095.05*	
05 12 23 00-0068	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	9,612.14	823.47
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0069	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	9,785.69	899.51
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0070	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	9,906.59	1,012.89
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0071	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	10,174.31	1,350.52
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0072	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	10,772.48	2,127.94
		For ASTM A242 Type 2 High Strength Steel, Add	*680.22*	
		For Hot Dip Galvanizing, Add	*2,380.76*	
		For >10 To 25 Tons, Deduct	*-722.73*	
		For >25 To 50 Tons, Deduct	*-1,487.97*	
		For >50 To 75 Tons, Deduct	*-2,125.68*	
		For >75 Tons, Deduct	*-1,062.84*	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	11,433.00	3,107.07
		For ASTM A242 Type 2 High Strength Steel, Add	*649.51*	
		For Hot Dip Galvanizing, Add	*2,273.28*	
		For >10 To 25 Tons, Deduct	*-690.10*	
		For >25 To 50 Tons, Deduct	*-1,420.80*	
		For >50 To 75 Tons, Deduct	*-2,029.71*	
		For >75 Tons, Deduct	*-1,014.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0074		Square Structural Tubing *(05 12 23 00-0060)*		
05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	11,822.69	253.23
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	11,840.70	270.10
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	10,526.42	337.63
		For ASTM A242 Type 2 High Strength Steel, Add	*813.30*	
		For Hot Dip Galvanizing, Add	*2,846.56*	
		For >10 To 25 Tons, Deduct	*-864.13*	
		For >25 To 50 Tons, Deduct	*-1,779.10*	
		For >50 To 75 Tons, Deduct	*-2,541.57*	
		For >75 Tons, Deduct	*-1,270.79*	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	10,367.39	405.16
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	8,118.70	506.44
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,195.87	578.76
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	8,442.83	810.31
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	8,797.54	1,012.89
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	10,405.36	1,350.52
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	11,125.64	2,025.77
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	10,253.31	2,377.65
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	12,094.12	3,107.07
		For ASTM A242 Type 2 High Strength Steel, Add	*702.40*	
		For Hot Dip Galvanizing, Add	*2,458.39*	
		For >10 To 25 Tons, Deduct	*-746.30*	
		For >25 To 50 Tons, Deduct	*-1,536.49*	
		For >50 To 75 Tons, Deduct	*-2,194.99*	
		For >75 Tons, Deduct	*-1,097.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0087	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	13,286.46	4,051.55
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	

05 12 23 00-0088 Galvanized Steel Pipe Tubing *(05 12 23 00-0060)*

Note: ASTM A53 Grade B

05 12 23 00-0089	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	38.63	2.57
05 12 23 00-0090	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	41.92	3.05
05 12 23 00-0091	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	45.08	4.05
05 12 23 00-0092	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	48.31	4.52
05 12 23 00-0093	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	50.20	4.89
05 12 23 00-0094	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	54.96	6.11
05 12 23 00-0095	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	59.71	7.33
05 12 23 00-0096	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	63.80	8.79
05 12 23 00-0097	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	70.01	10.75
05 12 23 00-0098	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	79.16	13.68

05 12 23 00-0099 Structural Shapes *(05 12 23 00-0045)*

05 12 23 00-0100	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	6,442.05	1,239.38
		For ASTM A242 Type 2 High Strength Steel, Add	*357.98*	
		For Hot Dip Galvanizing, Add	*1,252.94*	
		For >20 To 50 Lb./LF, Deduct	*-742.57*	
		For >50 To 75 Lb./LF, Deduct	*-1,163.03*	
		For >75 To 100 Lb./LF, Deduct	*-1,583.50*	
		For >10 To 25 Tons, Deduct	*-380.36*	
		For >25 To 50 Tons, Deduct	*-783.09*	
		For >50 To 75 Tons, Deduct	*-1,118.70*	
		For >75 Tons, Deduct	*-559.35*	
05 12 23 00-0101	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 Lb. per SF	8,053.06	495.76
		For ASTM A242 Type 2 High Strength Steel, Add	*591.51*	
		For Hot Dip Galvanizing, Add	*2,070.27*	
		For >21.5 To 50 Lb./LF, Deduct	*-838.27*	
		For >10 To 25 Tons, Deduct	*-628.47*	
		For >25 To 50 Tons, Deduct	*-1,293.92*	
		For >50 To 75 Tons, Deduct	*-1,848.46*	
		For >75 Tons, Deduct	*-924.23*	
05 12 23 00-0102	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	4.77	0.11
05 12 23 00-0103	LB	Structural Shapes, Galvanized Pipe Supports	5.92	0.11

05 12 23 00-0104 Built-Up Trusses *(05 12 23 00-0045)*

05 12 23 00-0105	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,619.90	202.57
		For >10 To 25 Tons, Deduct	*-799.32*	
		For >25 To 50 Tons, Deduct	*-1,645.67*	
		For >50 To 75 Tons, Deduct	*-2,350.95*	
		For >75 Tons, Deduct	*-1,175.48*	
05 12 23 00-0106	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	9,616.28	112.50
		For >10 To 25 Tons, Deduct	*-807.18*	
		For >25 To 50 Tons, Deduct	*-1,661.84*	
		For >50 To 75 Tons, Deduct	*-2,374.06*	
		For >75 Tons, Deduct	*-1,187.03*	
05 12 23 00-0107	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	8,612.47	59.56
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0108	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	8,377.88	56.31
		For >10 To 25 Tons, Deduct	*-707.02*	
		For >25 To 50 Tons, Deduct	*-1,455.63*	
		For >50 To 75 Tons, Deduct	*-2,079.47*	
		For >75 Tons, Deduct	*-1,039.73*	

05 12 23 00-0109 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps *(05 12 23 00-0045)*

Note: Includes shop fabrication, welds, drilling and shop primer.

05 12 23 00-0110	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	27.31	3.57
05 12 23 00-0111	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	40.97	5.34
05 12 23 00-0112	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	54.62	7.11
05 12 23 00-0113	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	68.28	8.90
05 12 23 00-0114	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	81.93	10.63
05 12 23 00-0115	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	95.59	12.45
05 12 23 00-0116	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	109.24	14.24
05 12 23 00-0117	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	122.89	16.01
05 12 23 00-0118	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	136.56	17.79
05 12 23 00-0119	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	150.21	19.57
05 12 23 00-0120	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	163.87	21.35
05 12 23 00-0121	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	177.51	23.13
05 12 23 00-0122	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	191.18	24.91
05 12 23 00-0123	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	204.83	26.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0124	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	218.49	28.46

05 12 23 00-0125 Accessories For Steel *(05 12 23)*

05 12 23 00-0126 Field Painting For Touch-Up Of Shop Prime Coat *(05 12 23 00-0125)*

05 12 23 00-0127	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.00

05 12 23 00-0128 Connection And Stiffener Plates *(05 12 23 00-0125)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0129	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	21,345.21
		For >10 To 25 Tons, Deduct	*-1,814.34*
		For >25 To 50 Tons, Deduct	*-3,735.41*
		For >50 To 75 Tons, Deduct	*-5,336.30*
		For >75 Tons, Deduct	*-2,668.15*
05 12 23 00-0130	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	18,211.64
		For >10 To 25 Tons, Deduct	*-1,547.99*
		For >25 To 50 Tons, Deduct	*-3,187.04*
		For >50 To 75 Tons, Deduct	*-4,552.91*
		For >75 Tons, Deduct	*-2,276.46*
05 12 23 00-0131	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0132	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0133	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0134	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0135	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0136	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	14,083.44
		For >10 To 25 Tons, Deduct	*-1,197.09*
		For >25 To 50 Tons, Deduct	*-2,464.60*
		For >50 To 75 Tons, Deduct	*-3,520.86*
		For >75 Tons, Deduct	*-1,760.43*
05 12 23 00-0137	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	13,203.22
		For >10 To 25 Tons, Deduct	*-1,122.27*
		For >25 To 50 Tons, Deduct	*-2,310.56*
		For >50 To 75 Tons, Deduct	*-3,300.81*
		For >75 Tons, Deduct	*-1,650.40*
05 12 23 00-0138	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	13,203.22
		For >10 To 25 Tons, Deduct	*-1,122.27*
		For >25 To 50 Tons, Deduct	*-2,310.56*
		For >50 To 75 Tons, Deduct	*-3,300.81*
		For >75 Tons, Deduct	*-1,650.40*
05 12 23 00-0139	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	13,203.22
		For >10 To 25 Tons, Deduct	*-1,122.27*
		For >25 To 50 Tons, Deduct	*-2,310.56*
		For >50 To 75 Tons, Deduct	*-3,300.81*
		For >75 Tons, Deduct	*-1,650.40*

05 12 23 00-0140 Field Applied Cold Galvanizing *(05 12 23 00-0125)*

05 12 23 00-0141	SF	Brush Applied Cold Galvanizing	1.27

05 12 23 00-0142 Metal Grinding *(05 12 23 00-0125)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0143	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	0.62

05 12 23 00-0144 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0145 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0144)*

Note: With base plate. Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0146	LF	W14 x 730 A992/A36 Structural Column	1,718.94	34.38
		For Hot Dip Galvanizing, Add	*466.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*154.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*343.79*	
05 12 23 00-0147	LF	W14 x 665 A992/A36 Structural Column	1,566.66	32.04
		For Hot Dip Galvanizing, Add	*425.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*141.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*313.33*	
05 12 23 00-0148	LF	W14 x 605 A992/A36 Structural Column	1,426.02	29.83
		For Hot Dip Galvanizing, Add	*386.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*128.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*285.20*	
05 12 23 00-0149	LF	W14 x 550 A992/A36 Structural Column	1,297.06	27.74
		For Hot Dip Galvanizing, Add	*351.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*116.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*259.41*	
05 12 23 00-0150	LF	W14 x 500 A992/A36 Structural Column	1,189.73	35.12
		For Hot Dip Galvanizing, Add	*319.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*107.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*237.95*	
05 12 23 00-0151	LF	W14 x 426 A992/A36 Structural Column	1,014.39	30.66
		For Hot Dip Galvanizing, Add	*272.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*91.30*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*202.88*	
05 12 23 00-0152	LF	W14 x 342 A992/A36 Structural Column	818.39	26.54
		For Hot Dip Galvanizing, Add	*219.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*73.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*163.68*	
05 12 23 00-0153	LF	W14 x 311 A992/A36 Structural Column	736.09	24.78
		For Hot Dip Galvanizing, Add	*196.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*66.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*147.22*	
05 12 23 00-0154	LF	W14 x 283 A992/A36 Structural Column	667.24	23.36
		For Hot Dip Galvanizing, Add	*178.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*60.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*133.45*	
05 12 23 00-0155	LF	W14 x 257 A992/A36 Structural Column	584.74	22.15
		For Hot Dip Galvanizing, Add	*155.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*116.95*	
05 12 23 00-0156	LF	W14 x 233 A992/A36 Structural Column	537.89	20.60
		For Hot Dip Galvanizing, Add	*143.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*107.58*	
05 12 23 00-0157	LF	W14 x 211 A992/A36 Structural Column	477.48	19.18
		For Hot Dip Galvanizing, Add	*126.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.50*	
05 12 23 00-0158	LF	W14 x 193 A992/A36 Structural Column	430.90	18.23
		For Hot Dip Galvanizing, Add	*114.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*86.18*	
05 12 23 00-0159	LF	W14 x 176 A992/A36 Structural Column	387.33	17.42
		For Hot Dip Galvanizing, Add	*102.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.47*	
05 12 23 00-0160	LF	W14 x 159 A992/A36 Structural Column	349.09	16.81
		For Hot Dip Galvanizing, Add	*91.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.82*	
05 12 23 00-0161	LF	W14 x 145 A992/A36 Structural Column	337.29	16.28
		For Hot Dip Galvanizing, Add	*88.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.46*	
05 12 23 00-0162	LF	W14 x 132 A992/A36 Structural Column	286.71	15.53
		For Hot Dip Galvanizing, Add	*74.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.34*	
05 12 23 00-0163	LF	W14 x 120 A992/A36 Structural Column	268.20	15.12
		For Hot Dip Galvanizing, Add	*69.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.64*	
05 12 23 00-0164	LF	W14 x 109 A992/A36 Structural Column	239.12	14.52
		For Hot Dip Galvanizing, Add	*62.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.82*	
05 12 23 00-0165	LF	W14 x 99 A992/A36 Structural Column	217.29	14.11
		For Hot Dip Galvanizing, Add	*56.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.46*	
05 12 23 00-0166	LF	W14 x 90 A992/A36 Structural Column	201.13	13.78
		For Hot Dip Galvanizing, Add	*51.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.23*	
05 12 23 00-0167	LF	W14 x 82 A992/A36 Structural Column	184.51	13.37
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0168	LF	W14 x 74 A992/A36 Structural Column	165.62	13.03
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.12*	
05 12 23 00-0169	LF	W14 x 68 A992/A36 Structural Column	153.98	12.83
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.80*	
05 12 23 00-0170	LF	W14 x 61 A992/A36 Structural Column	139.52	12.49
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.90*	
05 12 23 00-0171	LF	W14 x 53 A992/A36 Structural Column	126.22	12.16
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.24*	
05 12 23 00-0172	LF	W14 x 48 A992/A36 Structural Column	117.63	11.95
		For Hot Dip Galvanizing, Add	*29.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.53*	
05 12 23 00-0173	LF	W14 x 43 A992/A36 Structural Column	105.15	11.75
		For Hot Dip Galvanizing, Add	*25.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.03*	
05 12 23 00-0174	LF	W12 x 336 A992/A36 Structural Column	784.41	15.31
		For Hot Dip Galvanizing, Add	*213.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*70.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*156.88*	
05 12 23 00-0175	LF	W12 x 305 A992/A36 Structural Column	713.22	15.00
		For Hot Dip Galvanizing, Add	*193.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*64.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*142.64*	
05 12 23 00-0176	LF	W12 x 279 A992/A36 Structural Column	653.59	14.82
		For Hot Dip Galvanizing, Add	*176.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*58.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*130.72*	
05 12 23 00-0177	LF	W12 x 252 A992/A36 Structural Column	591.46	14.45
		For Hot Dip Galvanizing, Add	*159.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*53.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*118.29*	
05 12 23 00-0178	LF	W12 x 230 A992/A36 Structural Column	540.96	14.25
		For Hot Dip Galvanizing, Add	*145.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*108.19*	
05 12 23 00-0179	LF	W12 x 210 A992/A36 Structural Column	495.02	14.04
		For Hot Dip Galvanizing, Add	*133.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*99.00*	
05 12 23 00-0180	LF	W12 x 190 A992/A36 Structural Column	454.25	18.64
		For Hot Dip Galvanizing, Add	*120.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*90.85*	
05 12 23 00-0181	LF	W12 x 170 A992/A36 Structural Column	409.22	18.10
		For Hot Dip Galvanizing, Add	*108.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*81.84*	
05 12 23 00-0182	LF	W12 x 152 A992/A36 Structural Column	368.34	16.81
		For Hot Dip Galvanizing, Add	*97.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.67*	
05 12 23 00-0183	LF	W12 x 136 A992/A36 Structural Column	349.75	16.34
		For Hot Dip Galvanizing, Add	*92.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.95*	
05 12 23 00-0184	LF	W12 x 120 A992/A36 Structural Column	261.84	14.99
		For Hot Dip Galvanizing, Add	*68.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.37*	
05 12 23 00-0185	LF	W12 x 106 A992/A36 Structural Column	240.65	14.52
		For Hot Dip Galvanizing, Add	*62.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.13*	
05 12 23 00-0186	LF	W12 x 96 A992/A36 Structural Column	214.17	14.05
		For Hot Dip Galvanizing, Add	*55.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.83*	
05 12 23 00-0187	LF	W12 x 87 A992/A36 Structural Column	196.80	13.57
		For Hot Dip Galvanizing, Add	*50.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.36*	
05 12 23 00-0188	LF	W12 x 79 A992/A36 Structural Column	171.35	13.17
		For Hot Dip Galvanizing, Add	*43.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.27*	
05 12 23 00-0189	LF	W12 x 72 A992/A36 Structural Column	155.95	12.83
		For Hot Dip Galvanizing, Add	*39.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0190	LF	W12 x 65 A992/A36 Structural Column	141.69	12.56
		For Hot Dip Galvanizing, Add	*35.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.75*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.34*	
05 12 23 00-0191	LF	W12 x 58 A992/A36 Structural Column	136.79	12.42
		For Hot Dip Galvanizing, Add	*34.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.36*	
05 12 23 00-0192	LF	W12 x 53 A992/A36 Structural Column	126.22	12.16
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.24*	
05 12 23 00-0193	LF	W12 x 50 A992/A36 Structural Column	121.96	12.09
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.39*	
05 12 23 00-0194	LF	W12 x 45 A992/A36 Structural Column	109.86	11.81
		For Hot Dip Galvanizing, Add	*26.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.97*	
05 12 23 00-0195	LF	W12 x 40 A992/A36 Structural Column	97.40	11.55
		For Hot Dip Galvanizing, Add	*23.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.48*	
05 12 23 00-0196	LF	W10 x 112 A992/A36 Structural Column	252.15	14.79
		For Hot Dip Galvanizing, Add	*65.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.43*	
05 12 23 00-0197	LF	W10 x 110 A992/A36 Structural Column	227.14	14.18
		For Hot Dip Galvanizing, Add	*58.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.43*	
05 12 23 00-0198	LF	W10 x 88 A992/A36 Structural Column	203.16	13.71
		For Hot Dip Galvanizing, Add	*52.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.63*	
05 12 23 00-0199	LF	W10 x 77 A992/A36 Structural Column	179.55	13.17
		For Hot Dip Galvanizing, Add	*45.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.91*	
05 12 23 00-0200	LF	W10 x 68 A992/A36 Structural Column	160.65	12.83
		For Hot Dip Galvanizing, Add	*40.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.13*	
05 12 23 00-0201	LF	W10 x 60 A992/A36 Structural Column	139.52	12.49
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.90*	
05 12 23 00-0202	LF	W10 x 54 A992/A36 Structural Column	138.63	12.29
		For Hot Dip Galvanizing, Add	*34.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.73*	
05 12 23 00-0203	LF	W10 x 49 A992/A36 Structural Column	120.37	12.09
		For Hot Dip Galvanizing, Add	*29.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.07*	
05 12 23 00-0204	LF	W10 x 45 A992/A36 Structural Column	115.84	11.88
		For Hot Dip Galvanizing, Add	*28.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.17*	
05 12 23 00-0205	LF	W10 x 39 A992/A36 Structural Column	99.36	11.68
		For Hot Dip Galvanizing, Add	*24.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.87*	
05 12 23 00-0206	LF	W10 x 33 A992/A36 Structural Column	85.31	11.35
		For Hot Dip Galvanizing, Add	*20.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.06*	
05 12 23 00-0207	LF	W8 x 67 A992/A36 Structural Column	154.17	12.83
		For Hot Dip Galvanizing, Add	*38.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.83*	
05 12 23 00-0208	LF	W8 x 58 A992/A36 Structural Column	137.36	12.42
		For Hot Dip Galvanizing, Add	*34.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.47*	
05 12 23 00-0209	LF	W8 x 48 A992/A36 Structural Column	121.89	12.09
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.38*	
05 12 23 00-0210	LF	W8 x 40 A992/A36 Structural Column	103.06	11.75
		For Hot Dip Galvanizing, Add	*25.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.61*	
05 12 23 00-0211	LF	W8 x 35 A992/A36 Structural Column	92.11	11.48
		For Hot Dip Galvanizing, Add	*22.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0212	LF	W8 x 31 A992/A36 Structural Column	83.21	11.35
		For Hot Dip Galvanizing, Add	*19.74*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.64*	
05 12 23 00-0213	LF	W8 x 28 A992/A36 Structural Column	77.73	11.21
		For Hot Dip Galvanizing, Add	*18.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.55*	
05 12 23 00-0214	LF	W8 x 24 A992/A36 Structural Column	71.11	11.07
		For Hot Dip Galvanizing, Add	*16.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.22*	
05 12 23 00-0215	LF	W8 x 21 A992/A36 Structural Column	66.78	11.00
		For Hot Dip Galvanizing, Add	*15.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.36*	
05 12 23 00-0216	LF	W8 x 18 A992/A36 Structural Column	58.45	10.80
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.69*	
05 12 23 00-0217	LF	W6 x 25 A992/A36 Structural Column	75.30	11.07
		For Hot Dip Galvanizing, Add	*17.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.06*	
05 12 23 00-0218	LF	W6 x 20 A992/A36 Structural Column	61.95	10.87
		For Hot Dip Galvanizing, Add	*13.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.39*	
05 12 23 00-0219	LF	W6 x 15 A992/A36 Structural Column	51.70	10.54
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.34*	
05 12 23 00-0220	LF	W6 x 12 A992/A36 Structural Column	47.70	10.54
		For Hot Dip Galvanizing, Add	*10.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.54*	
05 12 23 00-0221	LF	W6 x 9 A992/A36 Structural Column	42.67	10.47
		For Hot Dip Galvanizing, Add	*8.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.53*	
05 12 23 00-0222	LF	W5 x 19 A992/A36 Structural Column	60.80	10.87
		For Hot Dip Galvanizing, Add	*13.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.47*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.16*	
05 12 23 00-0223	LF	W5 x 16 A992/A36 Structural Column	55.14	10.80
		For Hot Dip Galvanizing, Add	*12.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.03*	
05 12 23 00-0224	LF	W4 x 13 A992/A36 Structural Column	51.01	10.67
		For Hot Dip Galvanizing, Add	*11.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.20*	

05 12 23 00-0225 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0144)*

Note: Includes material delivery and erection.

05 12 23 00-0226	LF	W36 x 300 A992/A36 Structural Beam Or Girder	581.51	37.65
		For Hot Dip Galvanizing, Add	*150.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.34*	
		For High Strength Low Alloy A588 Steel, Add	*116.30*	
		For Each Additional Top Copes >2, Add	*5.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-197.50*	
		For Skewed Or Sloped Connections, Add	*69.78*	
05 12 23 00-0227	LF	W36 x 280 A992/A36 Structural Beam Or Girder	559.28	50.64
		For Hot Dip Galvanizing, Add	*140.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*50.34*	
		For High Strength Low Alloy A588 Steel, Add	*111.86*	
		For Each Additional Top Copes >2, Add	*5.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-187.65*	
		For Skewed Or Sloped Connections, Add	*67.11*	
05 12 23 00-0228	LF	W36 x 260 A992/A36 Structural Beam Or Girder	527.20	50.04
		For Hot Dip Galvanizing, Add	*131.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.45*	
		For High Strength Low Alloy A588 Steel, Add	*105.44*	
		For Each Additional Top Copes >2, Add	*4.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-176.52*	
		For Skewed Or Sloped Connections, Add	*63.26*	
05 12 23 00-0229	LF	W36 x 240 A992/A36 Structural Beam Or Girder	488.70	36.28
		For Hot Dip Galvanizing, Add	*124.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*43.98*	
		For High Strength Low Alloy A588 Steel, Add	*97.74*	
		For Each Additional Top Copes >2, Add	*4.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-165.24*	
		For Skewed Or Sloped Connections, Add	*58.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0230	LF	W36 x 230 A992/A36 Structural Beam Or Girder	470.49	36.80
		For Hot Dip Galvanizing, Add	*119.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.34*	
		For High Strength Low Alloy A588 Steel, Add	*94.10*	
		For Each Additional Top Copes >2, Add	*4.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-158.79*	
		For Skewed Or Sloped Connections, Add	*56.46*	
05 12 23 00-0231	LF	W36 x 210 A992/A36 Structural Beam Or Girder	445.40	48.42
		For Hot Dip Galvanizing, Add	*109.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.09*	
		For High Strength Low Alloy A588 Steel, Add	*89.08*	
		For Each Additional Top Copes >2, Add	*3.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-148.14*	
		For Skewed Or Sloped Connections, Add	*53.45*	
05 12 23 00-0232	LF	W36 x 194 A992/A36 Structural Beam Or Girder	417.84	35.20
		For Hot Dip Galvanizing, Add	*105.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.61*	
		For High Strength Low Alloy A588 Steel, Add	*83.57*	
		For Each Additional Top Copes >2, Add	*3.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-140.61*	
		For Skewed Or Sloped Connections, Add	*50.14*	
05 12 23 00-0233	LF	W36 x 182 A992/A36 Structural Beam Or Girder	394.05	34.94
		For Hot Dip Galvanizing, Add	*99.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.46*	
		For High Strength Low Alloy A588 Steel, Add	*78.81*	
		For Each Additional Top Copes >2, Add	*3.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-132.33*	
		For Skewed Or Sloped Connections, Add	*47.29*	
05 12 23 00-0234	LF	W36 x 170 A992/A36 Structural Beam Or Girder	370.10	34.53
		For Hot Dip Galvanizing, Add	*92.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.31*	
		For High Strength Low Alloy A588 Steel, Add	*74.02*	
		For Each Additional Top Copes >2, Add	*3.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.01*	
		For Skewed Or Sloped Connections, Add	*44.41*	
05 12 23 00-0235	LF	W36 x 160 A992/A36 Structural Beam Or Girder	363.61	46.87
		For Hot Dip Galvanizing, Add	*87.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.72*	
		For High Strength Low Alloy A588 Steel, Add	*72.72*	
		For Each Additional Top Copes >2, Add	*3.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.77*	
		For Skewed Or Sloped Connections, Add	*43.63*	
05 12 23 00-0236	LF	W36 x 150 A992/A36 Structural Beam Or Girder	346.84	46.52
		For Hot Dip Galvanizing, Add	*82.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.22*	
		For High Strength Low Alloy A588 Steel, Add	*69.37*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-113.95*	
		For Skewed Or Sloped Connections, Add	*41.62*	
05 12 23 00-0237	LF	W36 x 135 A992/A36 Structural Beam Or Girder	323.40	46.12
		For Hot Dip Galvanizing, Add	*76.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.11*	
		For High Strength Low Alloy A588 Steel, Add	*64.68*	
		For Each Additional Top Copes >2, Add	*2.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.82*	
		For Skewed Or Sloped Connections, Add	*38.81*	
05 12 23 00-0238	LF	W33 x 241 A992/A36 Structural Beam Or Girder	493.83	37.42
		For Hot Dip Galvanizing, Add	*125.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.44*	
		For High Strength Low Alloy A588 Steel, Add	*98.77*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-166.85*	
		For Skewed Or Sloped Connections, Add	*59.26*	
05 12 23 00-0239	LF	W33 x 221 A992/A36 Structural Beam Or Girder	455.18	36.51
		For Hot Dip Galvanizing, Add	*115.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.97*	
		For High Strength Low Alloy A588 Steel, Add	*91.04*	
		For Each Additional Top Copes >2, Add	*4.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-153.47*	
		For Skewed Or Sloped Connections, Add	*54.62*	
05 12 23 00-0240	LF	W33 x 201 A992/A36 Structural Beam Or Girder	429.90	48.08
		For Hot Dip Galvanizing, Add	*105.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.69*	
		For High Strength Low Alloy A588 Steel, Add	*85.98*	
		For Each Additional Top Copes >2, Add	*3.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-142.77*	
		For Skewed Or Sloped Connections, Add	*51.59*	
05 12 23 00-0241	LF	W33 x 170 A992/A36 Structural Beam Or Girder	381.67	47.20
		For Hot Dip Galvanizing, Add	*91.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.35*	
		For High Strength Low Alloy A588 Steel, Add	*76.33*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-126.04*	
		For Skewed Or Sloped Connections, Add	*45.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0242	LF	W33 x 152 A992/A36 Structural Beam Or Girder	343.03	34.43
		For Hot Dip Galvanizing, Add	*85.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.87*	
		For High Strength Low Alloy A588 Steel, Add	*68.61*	
		For Each Additional Top Copes >2, Add	*3.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.55*	
		For Skewed Or Sloped Connections, Add	*41.16*	
05 12 23 00-0243	LF	W33 x 141 A992/A36 Structural Beam Or Girder	333.50	46.26
		For Hot Dip Galvanizing, Add	*78.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.02*	
		For High Strength Low Alloy A588 Steel, Add	*66.70*	
		For Each Additional Top Copes >2, Add	*2.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-109.32*	
		For Skewed Or Sloped Connections, Add	*40.02*	
05 12 23 00-0244	LF	W33 x 130 A992/A36 Structural Beam Or Girder	314.54	45.92
		For Hot Dip Galvanizing, Add	*73.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.31*	
		For High Strength Low Alloy A588 Steel, Add	*62.91*	
		For Each Additional Top Copes >2, Add	*2.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.75*	
		For Skewed Or Sloped Connections, Add	*37.74*	
05 12 23 00-0245	LF	W33 x 118 A992/A36 Structural Beam Or Girder	292.43	45.51
		For Hot Dip Galvanizing, Add	*67.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.32*	
		For High Strength Low Alloy A588 Steel, Add	*58.49*	
		For Each Additional Top Copes >2, Add	*2.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.07*	
		For Skewed Or Sloped Connections, Add	*35.09*	
05 12 23 00-0246	LF	W30 x 211 A992/A36 Structural Beam Or Girder	434.27	36.44
		For Hot Dip Galvanizing, Add	*109.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.08*	
		For High Strength Low Alloy A588 Steel, Add	*86.85*	
		For Each Additional Top Copes >2, Add	*3.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-146.16*	
		For Skewed Or Sloped Connections, Add	*52.11*	
05 12 23 00-0247	LF	W30 x 191 A992/A36 Structural Beam Or Girder	408.90	47.74
		For Hot Dip Galvanizing, Add	*99.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.80*	
		For High Strength Low Alloy A588 Steel, Add	*81.78*	
		For Each Additional Top Copes >2, Add	*3.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-135.47*	
		For Skewed Or Sloped Connections, Add	*49.07*	
05 12 23 00-0248	LF	W30 x 173 A992/A36 Structural Beam Or Girder	371.21	34.78
		For Hot Dip Galvanizing, Add	*92.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.41*	
		For High Strength Low Alloy A588 Steel, Add	*74.24*	
		For Each Additional Top Copes >2, Add	*3.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.36*	
		For Skewed Or Sloped Connections, Add	*44.55*	
05 12 23 00-0249	LF	W30 x 154 A992/A36 Structural Beam Or Girder	347.12	46.59
		For Hot Dip Galvanizing, Add	*82.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.24*	
		For High Strength Low Alloy A588 Steel, Add	*69.42*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.04*	
		For Skewed Or Sloped Connections, Add	*41.65*	
05 12 23 00-0250	LF	W30 x 132 A992/A36 Structural Beam Or Girder	305.40	33.56
		For Hot Dip Galvanizing, Add	*74.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.49*	
		For High Strength Low Alloy A588 Steel, Add	*61.08*	
		For Each Additional Top Copes >2, Add	*2.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-101.52*	
		For Skewed Or Sloped Connections, Add	*36.65*	
05 12 23 00-0251	LF	W30 x 124 A992/A36 Structural Beam Or Girder	289.04	33.54
		For Hot Dip Galvanizing, Add	*70.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.01*	
		For High Strength Low Alloy A588 Steel, Add	*57.81*	
		For Each Additional Top Copes >2, Add	*2.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.80*	
		For Skewed Or Sloped Connections, Add	*34.68*	
05 12 23 00-0252	LF	W30 x 116 A992/A36 Structural Beam Or Girder	285.42	45.44
		For Hot Dip Galvanizing, Add	*65.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.69*	
		For High Strength Low Alloy A588 Steel, Add	*57.08*	
		For Each Additional Top Copes >2, Add	*2.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.62*	
		For Skewed Or Sloped Connections, Add	*34.25*	
05 12 23 00-0253	LF	W30 x 108 A992/A36 Structural Beam Or Girder	265.37	40.93
		For Hot Dip Galvanizing, Add	*61.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.88*	
		For High Strength Low Alloy A588 Steel, Add	*53.07*	
		For Each Additional Top Copes >2, Add	*2.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-86.34*	
		For Skewed Or Sloped Connections, Add	*31.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0254	LF	W30 x 99 A992/A36 Structural Beam Or Girder	251.83	40.71
		For Hot Dip Galvanizing, Add	*57.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.66*	
		For High Strength Low Alloy A588 Steel, Add	*50.37*	
		For Each Additional Top Copes >2, Add	*2.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.64*	
		For Skewed Or Sloped Connections, Add	*30.22*	
05 12 23 00-0255	LF	W27 x 178 A992/A36 Structural Beam Or Girder	409.45	40.72
		For Hot Dip Galvanizing, Add	*101.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.85*	
		For High Strength Low Alloy A588 Steel, Add	*81.89*	
		For Each Additional Top Copes >2, Add	*3.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.79*	
		For Skewed Or Sloped Connections, Add	*49.13*	
05 12 23 00-0256	LF	W27 x 161 A992/A36 Structural Beam Or Girder	372.85	39.18
		For Hot Dip Galvanizing, Add	*91.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.56*	
		For High Strength Low Alloy A588 Steel, Add	*74.57*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.23*	
		For Skewed Or Sloped Connections, Add	*44.74*	
05 12 23 00-0257	LF	W27 x 146 A992/A36 Structural Beam Or Girder	340.52	37.80
		For Hot Dip Galvanizing, Add	*83.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.65*	
		For High Strength Low Alloy A588 Steel, Add	*68.10*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-113.14*	
		For Skewed Or Sloped Connections, Add	*40.86*	
05 12 23 00-0258	LF	W27 x 114 A992/A36 Structural Beam Or Girder	267.89	31.39
		For Hot Dip Galvanizing, Add	*65.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.11*	
		For High Strength Low Alloy A588 Steel, Add	*53.58*	
		For Each Additional Top Copes >2, Add	*2.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.74*	
		For Skewed Or Sloped Connections, Add	*32.15*	
05 12 23 00-0259	LF	W27 x 102 A992/A36 Structural Beam Or Girder	253.15	40.71
		For Hot Dip Galvanizing, Add	*58.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.78*	
		For High Strength Low Alloy A588 Steel, Add	*50.63*	
		For Each Additional Top Copes >2, Add	*2.10*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.09*	
		For Skewed Or Sloped Connections, Add	*30.38*	
05 12 23 00-0260	LF	W27 x 94 A992/A36 Structural Beam Or Girder	240.45	40.45
		For Hot Dip Galvanizing, Add	*54.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.64*	
		For High Strength Low Alloy A588 Steel, Add	*48.09*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.69*	
		For Skewed Or Sloped Connections, Add	*28.85*	
05 12 23 00-0261	LF	W27 x 84 A992/A36 Structural Beam Or Girder	224.93	40.18
		For Hot Dip Galvanizing, Add	*50.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.24*	
		For High Strength Low Alloy A588 Steel, Add	*44.99*	
		For Each Additional Top Copes >2, Add	*1.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.30*	
		For Skewed Or Sloped Connections, Add	*26.99*	
05 12 23 00-0262	LF	W24 x 162 A992/A36 Structural Beam Or Girder	359.38	37.56
		For Hot Dip Galvanizing, Add	*88.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.34*	
		For High Strength Low Alloy A588 Steel, Add	*71.88*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.77*	
		For Skewed Or Sloped Connections, Add	*43.13*	
05 12 23 00-0263	LF	W24 x 146 A992/A36 Structural Beam Or Girder	326.19	36.02
		For Hot Dip Galvanizing, Add	*79.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.36*	
		For High Strength Low Alloy A588 Steel, Add	*65.24*	
		For Each Additional Top Copes >2, Add	*2.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-108.41*	
		For Skewed Or Sloped Connections, Add	*39.14*	
05 12 23 00-0264	LF	W24 x 131 A992/A36 Structural Beam Or Girder	294.87	34.38
		For Hot Dip Galvanizing, Add	*71.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.54*	
		For High Strength Low Alloy A588 Steel, Add	*58.97*	
		For Each Additional Top Copes >2, Add	*2.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.71*	
		For Skewed Or Sloped Connections, Add	*35.38*	
05 12 23 00-0265	LF	W24 x 117 A992/A36 Structural Beam Or Girder	265.46	32.66
		For Hot Dip Galvanizing, Add	*64.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.89*	
		For High Strength Low Alloy A588 Steel, Add	*53.09*	
		For Each Additional Top Copes >2, Add	*2.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.69*	
		For Skewed Or Sloped Connections, Add	*31.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0266	LF	W24 x 104 A992/A36 Structural Beam Or Girder	237.93	30.88
		For Hot Dip Galvanizing, Add	*56.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.41*	
		For High Strength Low Alloy A588 Steel, Add	*47.59*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.33*	
		For Skewed Or Sloped Connections, Add	*28.55*	
05 12 23 00-0267	LF	W24 x 94 A992/A36 Structural Beam Or Girder	228.43	40.45
		For Hot Dip Galvanizing, Add	*51.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.56*	
		For High Strength Low Alloy A588 Steel, Add	*45.69*	
		For Each Additional Top Copes >2, Add	*1.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.48*	
		For Skewed Or Sloped Connections, Add	*27.41*	
05 12 23 00-0268	LF	W24 x 84 A992/A36 Structural Beam Or Girder	209.44	35.85
		For Hot Dip Galvanizing, Add	*47.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.85*	
		For High Strength Low Alloy A588 Steel, Add	*41.89*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.56*	
		For Skewed Or Sloped Connections, Add	*25.13*	
05 12 23 00-0269	LF	W24 x 76 A992/A36 Structural Beam Or Girder	197.59	35.59
		For Hot Dip Galvanizing, Add	*44.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.78*	
		For High Strength Low Alloy A588 Steel, Add	*39.52*	
		For Each Additional Top Copes >2, Add	*1.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.45*	
		For Skewed Or Sloped Connections, Add	*23.71*	
05 12 23 00-0270	LF	W24 x 68 A992/A36 Structural Beam Or Girder	182.56	35.39
		For Hot Dip Galvanizing, Add	*40.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.43*	
		For High Strength Low Alloy A588 Steel, Add	*36.51*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.23*	
		For Skewed Or Sloped Connections, Add	*21.91*	
05 12 23 00-0271	LF	W24 x 62 A992/A36 Structural Beam Or Girder	174.77	35.18
		For Hot Dip Galvanizing, Add	*38.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.73*	
		For High Strength Low Alloy A588 Steel, Add	*34.95*	
		For Each Additional Top Copes >2, Add	*1.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.54*	
		For Skewed Or Sloped Connections, Add	*20.97*	
05 12 23 00-0272	LF	W24 x 55 A992/A36 Structural Beam Or Girder	164.02	35.04
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.76*	
		For High Strength Low Alloy A588 Steel, Add	*32.80*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.81*	
		For Skewed Or Sloped Connections, Add	*19.68*	
05 12 23 00-0273	LF	W21 x 147 A992/A36 Structural Beam Or Girder	317.49	30.89
		For Hot Dip Galvanizing, Add	*78.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.57*	
		For High Strength Low Alloy A588 Steel, Add	*63.50*	
		For Each Additional Top Copes >2, Add	*2.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.18*	
		For Skewed Or Sloped Connections, Add	*38.10*	
05 12 23 00-0274	LF	W21 x 132 A992/A36 Structural Beam Or Girder	286.98	29.51
		For Hot Dip Galvanizing, Add	*70.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.83*	
		For High Strength Low Alloy A588 Steel, Add	*57.40*	
		For Each Additional Top Copes >2, Add	*2.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.72*	
		For Skewed Or Sloped Connections, Add	*34.44*	
05 12 23 00-0275	LF	W21 x 122 A992/A36 Structural Beam Or Girder	267.10	29.02
		For Hot Dip Galvanizing, Add	*65.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.04*	
		For High Strength Low Alloy A588 Steel, Add	*53.42*	
		For Each Additional Top Copes >2, Add	*2.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.84*	
		For Skewed Or Sloped Connections, Add	*32.05*	
05 12 23 00-0276	LF	W21 x 111 A992/A36 Structural Beam Or Girder	244.81	28.08
		For Hot Dip Galvanizing, Add	*59.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.03*	
		For High Strength Low Alloy A588 Steel, Add	*48.96*	
		For Each Additional Top Copes >2, Add	*2.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.19*	
		For Skewed Or Sloped Connections, Add	*29.38*	
05 12 23 00-0277	LF	W21 x 101 A992/A36 Structural Beam Or Girder	224.50	27.19
		For Hot Dip Galvanizing, Add	*54.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.21*	
		For High Strength Low Alloy A588 Steel, Add	*44.90*	
		For Each Additional Top Copes >2, Add	*1.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.23*	
		For Skewed Or Sloped Connections, Add	*26.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0278	LF	W21 x 93 A992/A36 Structural Beam Or Girder	218.70	36.26
		For Hot Dip Galvanizing, Add	*49.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.68*	
		For High Strength Low Alloy A588 Steel, Add	*43.74*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.74*	
		For Skewed Or Sloped Connections, Add	*26.24*	
05 12 23 00-0279	LF	W21 x 83 A992/A36 Structural Beam Or Girder	204.80	35.85
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.43*	
		For High Strength Low Alloy A588 Steel, Add	*40.96*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.94*	
		For Skewed Or Sloped Connections, Add	*24.58*	
05 12 23 00-0280	LF	W21 x 73 A992/A36 Structural Beam Or Girder	187.61	35.59
		For Hot Dip Galvanizing, Add	*41.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.88*	
		For High Strength Low Alloy A588 Steel, Add	*37.52*	
		For Each Additional Top Copes >2, Add	*1.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.97*	
		For Skewed Or Sloped Connections, Add	*22.51*	
05 12 23 00-0281	LF	W21 x 68 A992/A36 Structural Beam Or Girder	178.98	35.39
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.11*	
		For High Strength Low Alloy A588 Steel, Add	*35.80*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.98*	
		For Skewed Or Sloped Connections, Add	*21.48*	
05 12 23 00-0282	LF	W21 x 62 A992/A36 Structural Beam Or Girder	171.19	35.18
		For Hot Dip Galvanizing, Add	*37.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.41*	
		For High Strength Low Alloy A588 Steel, Add	*34.24*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.28*	
		For Skewed Or Sloped Connections, Add	*20.54*	
05 12 23 00-0283	LF	W21 x 57 A992/A36 Structural Beam Or Girder	164.09	35.12
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.77*	
		For High Strength Low Alloy A588 Steel, Add	*32.82*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.82*	
		For Skewed Or Sloped Connections, Add	*19.69*	
05 12 23 00-0284	LF	W21 x 50 A992/A36 Structural Beam Or Girder	146.15	30.46
		For Hot Dip Galvanizing, Add	*31.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.15*	
		For High Strength Low Alloy A588 Steel, Add	*29.23*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.27*	
		For Skewed Or Sloped Connections, Add	*17.54*	
05 12 23 00-0285	LF	W21 x 44 A992/A36 Structural Beam Or Girder	137.94	30.32
		For Hot Dip Galvanizing, Add	*29.30*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.41*	
		For High Strength Low Alloy A588 Steel, Add	*27.59*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.43*	
		For Skewed Or Sloped Connections, Add	*16.55*	
05 12 23 00-0286	LF	W18 x 119 A992/A36 Structural Beam Or Girder	258.67	28.91
		For Hot Dip Galvanizing, Add	*63.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.28*	
		For High Strength Low Alloy A588 Steel, Add	*51.73*	
		For Each Additional Top Copes >2, Add	*2.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.91*	
		For Skewed Or Sloped Connections, Add	*31.04*	
05 12 23 00-0287	LF	W18 x 106 A992/A36 Structural Beam Or Girder	232.16	27.41
		For Hot Dip Galvanizing, Add	*56.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.89*	
		For High Strength Low Alloy A588 Steel, Add	*46.43*	
		For Each Additional Top Copes >2, Add	*2.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.87*	
		For Skewed Or Sloped Connections, Add	*27.86*	
05 12 23 00-0288	LF	W18 x 97 A992/A36 Structural Beam Or Girder	224.46	36.26
		For Hot Dip Galvanizing, Add	*51.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.20*	
		For High Strength Low Alloy A588 Steel, Add	*44.89*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-72.75*	
		For Skewed Or Sloped Connections, Add	*26.94*	
05 12 23 00-0289	LF	W18 x 86 A992/A36 Structural Beam Or Girder	208.46	35.93
		For Hot Dip Galvanizing, Add	*47.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.76*	
		For High Strength Low Alloy A588 Steel, Add	*41.69*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.21*	
		For Skewed Or Sloped Connections, Add	*25.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0290	LF	W18 x 76 A992/A36 Structural Beam Or Girder	194.00	35.59
		For Hot Dip Galvanizing, Add	*43.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.46*	
		For High Strength Low Alloy A588 Steel, Add	*38.80*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.20*	
		For Skewed Or Sloped Connections, Add	*23.28*	
05 12 23 00-0291	LF	W18 x 71 A992/A36 Structural Beam Or Girder	183.32	35.52
		For Hot Dip Galvanizing, Add	*40.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.50*	
		For High Strength Low Alloy A588 Steel, Add	*36.66*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.48*	
		For Skewed Or Sloped Connections, Add	*22.00*	
05 12 23 00-0292	LF	W18 x 65 A992/A36 Structural Beam Or Girder	173.01	35.39
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.57*	
		For High Strength Low Alloy A588 Steel, Add	*34.60*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.90*	
		For Skewed Or Sloped Connections, Add	*20.76*	
05 12 23 00-0293	LF	W18 x 60 A992/A36 Structural Beam Or Girder	163.73	35.12
		For Hot Dip Galvanizing, Add	*35.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.74*	
		For High Strength Low Alloy A588 Steel, Add	*32.75*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.69*	
		For Skewed Or Sloped Connections, Add	*19.65*	
05 12 23 00-0294	LF	W18 x 55 A992/A36 Structural Beam Or Girder	154.33	35.04
		For Hot Dip Galvanizing, Add	*32.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.89*	
		For High Strength Low Alloy A588 Steel, Add	*30.87*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.41*	
		For Skewed Or Sloped Connections, Add	*18.52*	
05 12 23 00-0295	LF	W18 x 50 A992/A36 Structural Beam Or Girder	140.25	30.46
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.62*	
		For High Strength Low Alloy A588 Steel, Add	*28.05*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.21*	
		For Skewed Or Sloped Connections, Add	*16.83*	
05 12 23 00-0296	LF	W18 x 46 A992/A36 Structural Beam Or Girder	132.96	30.39
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.97*	
		For High Strength Low Alloy A588 Steel, Add	*26.59*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.67*	
		For Skewed Or Sloped Connections, Add	*15.96*	
05 12 23 00-0297	LF	W18 x 40 A992/A36 Structural Beam Or Girder	117.06	25.93
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.54*	
		For High Strength Low Alloy A588 Steel, Add	*23.41*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.82*	
		For Skewed Or Sloped Connections, Add	*14.05*	
05 12 23 00-0298	LF	W18 x 35 A992/A36 Structural Beam Or Girder	107.86	25.86
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.71*	
		For High Strength Low Alloy A588 Steel, Add	*21.57*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.62*	
		For Skewed Or Sloped Connections, Add	*12.94*	
05 12 23 00-0299	LF	W16 x 100 A992/A36 Structural Beam Or Girder	224.73	23.57
		For Hot Dip Galvanizing, Add	*55.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.23*	
		For High Strength Low Alloy A588 Steel, Add	*44.95*	
		For Each Additional Top Copes >2, Add	*2.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.89*	
		For Skewed Or Sloped Connections, Add	*26.97*	
05 12 23 00-0300	LF	W16 x 89 A992/A36 Structural Beam Or Girder	204.10	23.16
		For Hot Dip Galvanizing, Add	*49.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.37*	
		For High Strength Low Alloy A588 Steel, Add	*40.82*	
		For Each Additional Top Copes >2, Add	*1.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.73*	
		For Skewed Or Sloped Connections, Add	*24.49*	
05 12 23 00-0301	LF	W16 x 77 A992/A36 Structural Beam Or Girder	181.84	22.89
		For Hot Dip Galvanizing, Add	*43.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.37*	
		For High Strength Low Alloy A588 Steel, Add	*36.37*	
		For Each Additional Top Copes >2, Add	*1.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.99*	
		For Skewed Or Sloped Connections, Add	*21.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0302	LF	W16 x 67 A992/A36 Structural Beam Or Girder	162.95	22.55
		For Hot Dip Galvanizing, Add	*38.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.67*	
		For High Strength Low Alloy A588 Steel, Add	*32.59*	
		For Each Additional Top Copes >2, Add	*1.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.43*	
		For Skewed Or Sloped Connections, Add	*19.55*	
05 12 23 00-0303	LF	W16 x 57 A992/A36 Structural Beam Or Girder	144.27	22.22
		For Hot Dip Galvanizing, Add	*33.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.98*	
		For High Strength Low Alloy A588 Steel, Add	*28.85*	
		For Each Additional Top Copes >2, Add	*1.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.94*	
		For Skewed Or Sloped Connections, Add	*17.31*	
05 12 23 00-0304	LF	W16 x 50 A992/A36 Structural Beam Or Girder	131.20	22.02
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.81*	
		For High Strength Low Alloy A588 Steel, Add	*26.24*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.40*	
		For Skewed Or Sloped Connections, Add	*15.74*	
05 12 23 00-0305	LF	W16 x 45 A992/A36 Structural Beam Or Girder	122.01	21.87
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Steel, Add	*24.40*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.20*	
		For Skewed Or Sloped Connections, Add	*14.64*	
05 12 23 00-0306	LF	W16 x 40 A992/A36 Structural Beam Or Girder	112.53	21.67
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.13*	
		For High Strength Low Alloy A588 Steel, Add	*22.51*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.91*	
		For Skewed Or Sloped Connections, Add	*13.50*	
05 12 23 00-0307	LF	W16 x 36 A992/A36 Structural Beam Or Girder	105.17	21.54
		For Hot Dip Galvanizing, Add	*22.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.47*	
		For High Strength Low Alloy A588 Steel, Add	*21.03*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.37*	
		For Skewed Or Sloped Connections, Add	*12.62*	
05 12 23 00-0308	LF	W16 x 31 A992/A36 Structural Beam Or Girder	91.23	17.15
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.21*	
		For High Strength Low Alloy A588 Steel, Add	*18.25*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.19*	
		For Skewed Or Sloped Connections, Add	*10.95*	
05 12 23 00-0309	LF	W16 x 26 A992/A36 Structural Beam Or Girder	79.25	16.95
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.13*	
		For High Strength Low Alloy A588 Steel, Add	*15.85*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.02*	
		For Skewed Or Sloped Connections, Add	*9.51*	
05 12 23 00-0310	LF	W14 x 99 A992/A36 Structural Beam Or Girder	218.32	19.31
		For Hot Dip Galvanizing, Add	*54.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.65*	
		For High Strength Low Alloy A588 Steel, Add	*43.66*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.32*	
		For Skewed Or Sloped Connections, Add	*26.20*	
05 12 23 00-0311	LF	W14 x 90 A992/A36 Structural Beam Or Girder	201.53	18.97
		For Hot Dip Galvanizing, Add	*50.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.14*	
		For High Strength Low Alloy A588 Steel, Add	*40.31*	
		For Each Additional Top Copes >2, Add	*1.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-67.50*	
		For Skewed Or Sloped Connections, Add	*24.18*	
05 12 23 00-0312	LF	W14 x 82 A992/A36 Structural Beam Or Girder	186.51	18.77
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.79*	
		For High Strength Low Alloy A588 Steel, Add	*37.30*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.28*	
		For Skewed Or Sloped Connections, Add	*22.38*	
05 12 23 00-0313	LF	W14 x 74 A992/A36 Structural Beam Or Girder	171.49	18.50
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.43*	
		For High Strength Low Alloy A588 Steel, Add	*34.30*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.06*	
		For Skewed Or Sloped Connections, Add	*20.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0314	LF	W14 x 68 A992/A36 Structural Beam Or Girder	160.33	18.30
		For Hot Dip Galvanizing, Add	*39.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.43*	
		For High Strength Low Alloy A588 Steel, Add	*32.07*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.19*	
		For Skewed Or Sloped Connections, Add	*19.24*	
05 12 23 00-0315	LF	W14 x 61 A992/A36 Structural Beam Or Girder	147.26	18.10
		For Hot Dip Galvanizing, Add	*35.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.25*	
		For High Strength Low Alloy A588 Steel, Add	*29.45*	
		For Each Additional Top Copes >2, Add	*1.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.64*	
		For Skewed Or Sloped Connections, Add	*17.67*	
05 12 23 00-0316	LF	W14 x 53 A992/A36 Structural Beam Or Girder	132.44	17.83
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.92*	
		For High Strength Low Alloy A588 Steel, Add	*26.49*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.50*	
		For Skewed Or Sloped Connections, Add	*15.89*	
05 12 23 00-0317	LF	W14 x 48 A992/A36 Structural Beam Or Girder	122.97	17.62
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.07*	
		For High Strength Low Alloy A588 Steel, Add	*24.59*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.21*	
		For Skewed Or Sloped Connections, Add	*14.76*	
05 12 23 00-0318	LF	W14 x 43 A992/A36 Structural Beam Or Girder	113.56	17.55
		For Hot Dip Galvanizing, Add	*26.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.22*	
		For High Strength Low Alloy A588 Steel, Add	*22.71*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.94*	
		For Skewed Or Sloped Connections, Add	*13.63*	
05 12 23 00-0319	LF	W14 x 38 A992/A36 Structural Beam Or Girder	104.29	17.42
		For Hot Dip Galvanizing, Add	*23.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.39*	
		For High Strength Low Alloy A588 Steel, Add	*20.86*	
		For Each Additional Top Copes >2, Add	*0.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.73*	
		For Skewed Or Sloped Connections, Add	*12.51*	
05 12 23 00-0320	LF	W14 x 34 A992/A36 Structural Beam Or Girder	96.77	17.22
		For Hot Dip Galvanizing, Add	*21.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.71*	
		For High Strength Low Alloy A588 Steel, Add	*19.35*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.12*	
		For Skewed Or Sloped Connections, Add	*11.61*	
05 12 23 00-0321	LF	W14 x 30 A992/A36 Structural Beam Or Girder	89.27	17.15
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.03*	
		For High Strength Low Alloy A588 Steel, Add	*17.85*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.51*	
		For Skewed Or Sloped Connections, Add	*10.71*	
05 12 23 00-0322	LF	W14 x 26 A992/A36 Structural Beam Or Girder	81.76	16.95
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.36*	
		For High Strength Low Alloy A588 Steel, Add	*16.35*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.90*	
		For Skewed Or Sloped Connections, Add	*9.81*	
05 12 23 00-0323	LF	W14 x 22 A992/A36 Structural Beam Or Girder	74.45	16.88
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.70*	
		For High Strength Low Alloy A588 Steel, Add	*14.89*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.36*	
		For Skewed Or Sloped Connections, Add	*8.93*	
05 12 23 00-0324	LF	W12 x 87 A992/A36 Structural Beam Or Girder	195.99	18.91
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.64*	
		For High Strength Low Alloy A588 Steel, Add	*39.20*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.57*	
		For Skewed Or Sloped Connections, Add	*23.52*	
05 12 23 00-0325	LF	W12 x 79 A992/A36 Structural Beam Or Girder	180.96	18.64
		For Hot Dip Galvanizing, Add	*44.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.29*	
		For High Strength Low Alloy A588 Steel, Add	*36.19*	
		For Each Additional Top Copes >2, Add	*1.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.35*	
		For Skewed Or Sloped Connections, Add	*21.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0326	LF	W12 x 72 A992/A36 Structural Beam Or Girder	167.83	18.43
		For Hot Dip Galvanizing, Add	*41.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.10*	
		For High Strength Low Alloy A588 Steel, Add	*33.57*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.79*	
		For Skewed Or Sloped Connections, Add	*20.14*	
05 12 23 00-0327	LF	W12 x 65 A992/A36 Structural Beam Or Girder	154.78	18.23
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.93*	
		For High Strength Low Alloy A588 Steel, Add	*30.96*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.26*	
		For Skewed Or Sloped Connections, Add	*18.57*	
05 12 23 00-0328	LF	W12 x 58 A992/A36 Structural Beam Or Girder	141.65	17.96
		For Hot Dip Galvanizing, Add	*33.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.75*	
		For High Strength Low Alloy A588 Steel, Add	*28.33*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.70*	
		For Skewed Or Sloped Connections, Add	*17.00*	
05 12 23 00-0329	LF	W12 x 53 A992/A36 Structural Beam Or Girder	132.44	17.83
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.92*	
		For High Strength Low Alloy A588 Steel, Add	*26.49*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.50*	
		For Skewed Or Sloped Connections, Add	*15.89*	
05 12 23 00-0330	LF	W12 x 50 A992/A36 Structural Beam Or Girder	126.62	17.76
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.40*	
		For High Strength Low Alloy A588 Steel, Add	*25.32*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-41.48*	
		For Skewed Or Sloped Connections, Add	*15.19*	
05 12 23 00-0331	LF	W12 x 45 A992/A36 Structural Beam Or Girder	117.42	17.62
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.57*	
		For High Strength Low Alloy A588 Steel, Add	*23.48*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.28*	
		For Skewed Or Sloped Connections, Add	*14.09*	
05 12 23 00-0332	LF	W12 x 40 A992/A36 Structural Beam Or Girder	103.35	13.10
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.30*	
		For High Strength Low Alloy A588 Steel, Add	*20.67*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.08*	
		For Skewed Or Sloped Connections, Add	*12.40*	
05 12 23 00-0333	LF	W12 x 35 A992/A36 Structural Beam Or Girder	94.16	13.03
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.47*	
		For High Strength Low Alloy A588 Steel, Add	*18.83*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.88*	
		For Skewed Or Sloped Connections, Add	*11.30*	
05 12 23 00-0334	LF	W12 x 30 A992/A36 Structural Beam Or Girder	84.69	12.83
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.62*	
		For High Strength Low Alloy A588 Steel, Add	*16.94*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.59*	
		For Skewed Or Sloped Connections, Add	*10.16*	
05 12 23 00-0335	LF	W12 x 26 A992/A36 Structural Beam Or Girder	77.16	12.69
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.94*	
		For High Strength Low Alloy A588 Steel, Add	*15.43*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.98*	
		For Skewed Or Sloped Connections, Add	*9.26*	
05 12 23 00-0336	LF	W12 x 22 A992/A36 Structural Beam Or Girder	69.86	12.56
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.29*	
		For High Strength Low Alloy A588 Steel, Add	*13.97*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.45*	
		For Skewed Or Sloped Connections, Add	*8.38*	
05 12 23 00-0337	LF	W12 x 19 A992/A36 Structural Beam Or Girder	64.10	12.49
		For Hot Dip Galvanizing, Add	*14.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.77*	
		For High Strength Low Alloy A588 Steel, Add	*12.82*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.44*	
		For Skewed Or Sloped Connections, Add	*7.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0338	LF	W12 x 16 A992/A36 Structural Beam Or Girder	58.49	12.29
		For Hot Dip Galvanizing, Add	*12.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.26*	
		For High Strength Low Alloy A588 Steel, Add	*11.70*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.50*	
		For Skewed Or Sloped Connections, Add	*7.02*	
05 12 23 00-0339	LF	W12 x 14 A992/A36 Structural Beam Or Girder	54.84	12.29
		For Hot Dip Galvanizing, Add	*11.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.94*	
		For High Strength Low Alloy A588 Steel, Add	*10.97*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.23*	
		For Skewed Or Sloped Connections, Add	*6.58*	
05 12 23 00-0340	LF	W10 x 68 A992/A36 Structural Beam Or Girder	156.22	14.11
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.06*	
		For High Strength Low Alloy A588 Steel, Add	*31.24*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.43*	
		For Skewed Or Sloped Connections, Add	*18.75*	
05 12 23 00-0341	LF	W10 x 60 A992/A36 Structural Beam Or Girder	141.40	13.85
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.73*	
		For High Strength Low Alloy A588 Steel, Add	*28.28*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.28*	
		For Skewed Or Sloped Connections, Add	*16.97*	
05 12 23 00-0342	LF	W10 x 54 A992/A36 Structural Beam Or Girder	130.03	13.57
		For Hot Dip Galvanizing, Add	*32.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.70*	
		For High Strength Low Alloy A588 Steel, Add	*26.01*	
		For Each Additional Top Copes >2, Add	*1.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.33*	
		For Skewed Or Sloped Connections, Add	*15.60*	
05 12 23 00-0343	LF	W10 x 49 A992/A36 Structural Beam Or Girder	120.76	13.43
		For Hot Dip Galvanizing, Add	*29.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.87*	
		For High Strength Low Alloy A588 Steel, Add	*24.15*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.12*	
		For Skewed Or Sloped Connections, Add	*14.49*	
05 12 23 00-0344	LF	W10 x 45 A992/A36 Structural Beam Or Girder	113.25	13.37
		For Hot Dip Galvanizing, Add	*27.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.19*	
		For High Strength Low Alloy A588 Steel, Add	*22.65*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.51*	
		For Skewed Or Sloped Connections, Add	*13.59*	
05 12 23 00-0345	LF	W10 x 39 A992/A36 Structural Beam Or Girder	102.09	13.10
		For Hot Dip Galvanizing, Add	*24.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.19*	
		For High Strength Low Alloy A588 Steel, Add	*20.42*	
		For Each Additional Top Copes >2, Add	*0.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.63*	
		For Skewed Or Sloped Connections, Add	*12.25*	
05 12 23 00-0346	LF	W10 x 33 A992/A36 Structural Beam Or Girder	90.93	12.90
		For Hot Dip Galvanizing, Add	*21.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.18*	
		For High Strength Low Alloy A588 Steel, Add	*18.19*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.76*	
		For Skewed Or Sloped Connections, Add	*10.91*	
05 12 23 00-0347	LF	W10 x 30 A992/A36 Structural Beam Or Girder	85.17	12.83
		For Hot Dip Galvanizing, Add	*19.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.67*	
		For High Strength Low Alloy A588 Steel, Add	*17.03*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.75*	
		For Skewed Or Sloped Connections, Add	*10.22*	
05 12 23 00-0348	LF	W10 x 26 A992/A36 Structural Beam Or Girder	77.86	12.76
		For Hot Dip Galvanizing, Add	*17.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.01*	
		For High Strength Low Alloy A588 Steel, Add	*15.57*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.22*	
		For Skewed Or Sloped Connections, Add	*9.34*	
05 12 23 00-0349	LF	W10 x 22 A992/A36 Structural Beam Or Girder	70.28	12.56
		For Hot Dip Galvanizing, Add	*15.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.33*	
		For High Strength Low Alloy A588 Steel, Add	*14.06*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.59*	
		For Skewed Or Sloped Connections, Add	*8.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0350	LF	W10 x 19 A992/A36 Structural Beam Or Girder	64.73	12.49
		For Hot Dip Galvanizing, Add	*14.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.83*	
		For High Strength Low Alloy A588 Steel, Add	*12.95*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.66*	
		For Skewed Or Sloped Connections, Add	*7.77*	
05 12 23 00-0351	LF	W10 x 17 A992/A36 Structural Beam Or Girder	60.87	12.42
		For Hot Dip Galvanizing, Add	*13.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.48*	
		For High Strength Low Alloy A588 Steel, Add	*12.17*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.32*	
		For Skewed Or Sloped Connections, Add	*7.30*	
05 12 23 00-0352	LF	W10 x 15 A992/A36 Structural Beam Or Girder	57.22	12.29
		For Hot Dip Galvanizing, Add	*12.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.15*	
		For High Strength Low Alloy A588 Steel, Add	*11.44*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.05*	
		For Skewed Or Sloped Connections, Add	*6.87*	
05 12 23 00-0353	LF	W10 x 12 A992/A36 Structural Beam Or Girder	51.67	12.29
		For Hot Dip Galvanizing, Add	*10.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.65*	
		For High Strength Low Alloy A588 Steel, Add	*10.33*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.12*	
		For Skewed Or Sloped Connections, Add	*6.20*	
05 12 23 00-0354	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.58	13.03
		For Hot Dip Galvanizing, Add	*22.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.51*	
		For High Strength Low Alloy A588 Steel, Add	*18.92*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.03*	
		For Skewed Or Sloped Connections, Add	*11.35*	
05 12 23 00-0355	LF	W8 x 31 A992/A36 Structural Beam Or Girder	87.06	12.83
		For Hot Dip Galvanizing, Add	*20.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.84*	
		For High Strength Low Alloy A588 Steel, Add	*17.41*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.41*	
		For Skewed Or Sloped Connections, Add	*10.45*	
05 12 23 00-0356	LF	W8 x 28 A992/A36 Structural Beam Or Girder	80.77	12.09
		For Hot Dip Galvanizing, Add	*18.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.27*	
		For High Strength Low Alloy A588 Steel, Add	*16.15*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.33*	
		For Skewed Or Sloped Connections, Add	*9.69*	
05 12 23 00-0357	LF	W8 x 24 A992/A36 Structural Beam Or Girder	73.24	11.35
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.59*	
		For High Strength Low Alloy A588 Steel, Add	*14.65*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.82*	
		For Skewed Or Sloped Connections, Add	*8.79*	
05 12 23 00-0358	LF	W8 x 21 A992/A36 Structural Beam Or Girder	68.12	10.54
		For Hot Dip Galvanizing, Add	*15.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.13*	
		For High Strength Low Alloy A588 Steel, Add	*13.62*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.15*	
		For Skewed Or Sloped Connections, Add	*8.17*	
05 12 23 00-0359	LF	W8 x 18 A992/A36 Structural Beam Or Girder	58.86	9.79
		For Hot Dip Galvanizing, Add	*13.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.30*	
		For High Strength Low Alloy A588 Steel, Add	*11.77*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.03*	
		For Skewed Or Sloped Connections, Add	*7.06*	
05 12 23 00-0360	LF	W8 x 10 A992/A36 Structural Beam Or Girder	33.27	7.02
		For Hot Dip Galvanizing, Add	*7.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.99*	
		For High Strength Low Alloy A588 Steel, Add	*6.65*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.53*	
		For Skewed Or Sloped Connections, Add	*3.99*	
05 12 23 00-0361	LF	W6 x 9 A992/A36 Structural Beam Or Girder	31.58	5.74
		For Hot Dip Galvanizing, Add	*7.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.84*	
		For High Strength Low Alloy A588 Steel, Add	*6.32*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.14*	
		For Skewed Or Sloped Connections, Add	*3.79*	

05 12 23 00-0362 A992/A36 Structural Steel, M Shapes *(05 12 23 00-0144)*
Note: Includes material delivery and erection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0363	LF	M14 x 18 A992/A36 Structural Steel	61.20	7.62
		For Hot Dip Galvanizing, Add	*14.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.24*	
05 12 23 00-0364	LF	M12 x 11.8 A992/A36 Structural Steel	41.98	6.73
		For Hot Dip Galvanizing, Add	*9.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.40*	
05 12 23 00-0365	LF	M10 x 9 A992/A36 Structural Steel	32.31	5.41
		For Hot Dip Galvanizing, Add	*7.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*6.46*	
05 12 23 00-0366	LF	M8 x 6.5 A992/A36 Structural Steel	23.33	3.91
		For Hot Dip Galvanizing, Add	*5.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*4.67*	
05 12 23 00-0367	LF	M6 x 20 A992/A36 Structural Steel	70.46	10.87
		For Hot Dip Galvanizing, Add	*16.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.34*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.09*	
05 12 23 00-0368	LF	M6 x 4.4 A992/A36 Structural Steel	15.77	2.64
		For Hot Dip Galvanizing, Add	*3.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.42*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.15*	
05 12 23 00-0369	LF	M5 x 18.9 A992/A36 Structural Steel	67.25	10.87
		For Hot Dip Galvanizing, Add	*15.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.45*	
05 12 23 00-0370	LF	M4 x 13 A992/A36 Structural Steel	53.30	10.67
		For Hot Dip Galvanizing, Add	*11.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.66*	

05 12 23 00-0371 A992/A36 Structural Steel, S Shapes *(05 12 23 00-0144)*

Note: Includes material delivery and erection.

05 12 23 00-0372	LF	S24 x 121 A992/A36 Structural Steel	379.14	38.59
		For Hot Dip Galvanizing, Add	*93.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*75.83*	
05 12 23 00-0373	LF	S24 x 106 A992/A36 Structural Steel	334.04	35.59
		For Hot Dip Galvanizing, Add	*82.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*66.81*	
05 12 23 00-0374	LF	S24 x 100 A992/A36 Structural Steel	317.02	35.34
		For Hot Dip Galvanizing, Add	*77.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.53*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*63.40*	
05 12 23 00-0375	LF	S24 x 90 A992/A36 Structural Steel	287.11	33.47
		For Hot Dip Galvanizing, Add	*69.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.42*	
05 12 23 00-0376	LF	S24 x 80 A992/A36 Structural Steel	256.86	31.32
		For Hot Dip Galvanizing, Add	*62.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.37*	
05 12 23 00-0377	LF	S20 x 96 A992/A36 Structural Steel	304.34	33.92
		For Hot Dip Galvanizing, Add	*74.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.87*	
05 12 23 00-0378	LF	S20 x 86 A992/A36 Structural Steel	274.34	31.99
		For Hot Dip Galvanizing, Add	*66.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*54.87*	
05 12 23 00-0379	LF	S20 x 75 A992/A36 Structural Steel	240.82	29.36
		For Hot Dip Galvanizing, Add	*58.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.16*	
05 12 23 00-0380	LF	S20 x 66 A992/A36 Structural Steel	213.38	27.20
		For Hot Dip Galvanizing, Add	*51.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.68*	
05 12 23 00-0381	LF	S18 x 70 A992/A36 Structural Steel	226.30	28.85
		For Hot Dip Galvanizing, Add	*54.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.26*	
05 12 23 00-0382	LF	S18 x 54.7 A992/A36 Structural Steel	178.11	23.73
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.62*	
05 12 23 00-0383	LF	S15 x 50 A992/A36 Structural Steel	164.01	22.84
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.80*	
05 12 23 00-0384	LF	S15 x 42.9 A992/A36 Structural Steel	141.82	20.62
		For Hot Dip Galvanizing, Add	*33.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0385	LF	S12 x 50 A992/A36 Structural Steel	162.79	21.70
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.56*	
05 12 23 00-0386	LF	S12 x 40.8 A992/A36 Structural Steel	133.83	18.63
		For Hot Dip Galvanizing, Add	*31.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.77*	
05 12 23 00-0387	LF	S12 x 35 A992/A36 Structural Steel	115.71	16.83
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.14*	
05 12 23 00-0388	LF	S12 x 31.8 A992/A36 Structural Steel	105.99	16.09
		For Hot Dip Galvanizing, Add	*24.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.20*	
05 12 23 00-0389	LF	S10 x 35 A992/A36 Structural Steel	116.65	17.71
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.33*	
05 12 23 00-0390	LF	S10 x 25.4 A992/A36 Structural Steel	85.38	13.53
		For Hot Dip Galvanizing, Add	*19.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.08*	
05 12 23 00-0391	LF	S8 x 23 A992/A36 Structural Steel	77.32	12.25
		For Hot Dip Galvanizing, Add	*17.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.96*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.46*	
05 12 23 00-0392	LF	S8 x 18.4 A992/A36 Structural Steel	62.40	10.32
		For Hot Dip Galvanizing, Add	*14.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.48*	
05 12 23 00-0393	LF	S7 x 20 A992/A36 Structural Steel	67.83	11.21
		For Hot Dip Galvanizing, Add	*15.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.57*	
05 12 23 00-0394	LF	S7 x 15.3 A992/A36 Structural Steel	52.36	9.03
		For Hot Dip Galvanizing, Add	*11.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.47*	
05 12 23 00-0395	LF	S6 x 17.25 A992/A36 Structural Steel	60.35	11.41
		For Hot Dip Galvanizing, Add	*13.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.07*	
05 12 23 00-0396	LF	S6 x 12.5 A992/A36 Structural Steel	50.80	10.54
		For Hot Dip Galvanizing, Add	*10.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.16*	
05 12 23 00-0397	LF	S5 x 14.75 A992/A36 Structural Steel	54.74	10.74
		For Hot Dip Galvanizing, Add	*12.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.95*	
05 12 23 00-0398	LF	S5 x 10 A992/A36 Structural Steel	44.84	10.47
		For Hot Dip Galvanizing, Add	*9.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.97*	
05 12 23 00-0399	LF	S4 x 9.5 A992/A36 Structural Steel	43.28	10.47
		For Hot Dip Galvanizing, Add	*8.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.66*	
05 12 23 00-0400	LF	S4 x 7.7 A992/A36 Structural Steel	39.75	10.47
		For Hot Dip Galvanizing, Add	*7.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.95*	
05 12 23 00-0401	LF	S3 x 7.5 A992/A36 Structural Steel	39.40	10.47
		For Hot Dip Galvanizing, Add	*7.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.88*	
05 12 23 00-0402	LF	S3 x 5.7 A992/A36 Structural Steel	35.16	10.40
		For Hot Dip Galvanizing, Add	*6.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.03*	

05 12 23 00-0403 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0144)*

Note: Includes material delivery and erection.

05 12 23 00-0404	LF	HP14 x 117 A992/A36 Structural Steel	252.25	11.43
		For Hot Dip Galvanizing, Add	*66.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.45*	
05 12 23 00-0405	LF	HP14 x 102 A992/A36 Structural Steel	219.77	10.64
		For Hot Dip Galvanizing, Add	*57.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.95*	
05 12 23 00-0406	LF	HP14 x 89 A992/A36 Structural Steel	195.04	9.98
		For Hot Dip Galvanizing, Add	*51.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.55*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0407	LF	HP14 x 73 A992/A36 Structural Steel	159.74	9.41
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.95*	
05 12 23 00-0408	LF	HP13 x 100 A992/A36 Structural Steel	215.46	10.43
		For Hot Dip Galvanizing, Add	*56.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.09*	
05 12 23 00-0409	LF	HP13 x 87 A992/A36 Structural Steel	190.66	9.76
		For Hot Dip Galvanizing, Add	*50.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.13*	
05 12 23 00-0410	LF	HP13 x 73 A992/A36 Structural Steel	159.74	9.41
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.95*	
05 12 23 00-0411	LF	HP13 x 60 A992/A36 Structural Steel	133.75	9.01
		For Hot Dip Galvanizing, Add	*34.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.75*	
05 12 23 00-0412	LF	HP12 x 84 A992/A36 Structural Steel	178.22	10.29
		For Hot Dip Galvanizing, Add	*46.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.64*	
05 12 23 00-0413	LF	HP12 x 74 A992/A36 Structural Steel	156.53	9.71
		For Hot Dip Galvanizing, Add	*40.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.09*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.31*	
05 12 23 00-0414	LF	HP12 x 63 A992/A36 Structural Steel	133.88	8.93
		For Hot Dip Galvanizing, Add	*34.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.78*	
05 12 23 00-0415	LF	HP12 x 53 A992/A36 Structural Steel	122.29	8.49
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.01*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.46*	
05 12 23 00-0416	LF	HP10 x 57 A992/A36 Structural Steel	129.19	8.70
		For Hot Dip Galvanizing, Add	*33.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.84*	
05 12 23 00-0417	LF	HP10 x 42 A992/A36 Structural Steel	104.97	8.16
		For Hot Dip Galvanizing, Add	*26.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.99*	
05 12 23 00-0418	LF	HP8 x 36 A992/A36 Structural Steel	90.37	7.70
		For Hot Dip Galvanizing, Add	*22.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.07*	

05 12 23 00-0419 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0420 Angle Iron - L *(05 12 23 00-0419)*

05 12 23 00-0421 1/8" Thick *(05 12 23 00-0420)*

05 12 23 00-0422	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	1.61	0.78
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.27*	
		For 304 Stainless Steel, Add	*1.60*	
		For 316 Stainless Steel, Add	*1.79*	
		For Aluminum, Add	*0.10*	
		For High Strength Steel (HSS), Add	*0.32*	
05 12 23 00-0423	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	1.89	0.88
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For High Strength Steel (HSS), Add	*0.38*	
05 12 23 00-0424	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	2.18	0.97
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000, Deduct	*-0.35*	
		For 304 Stainless Steel, Add	*2.51*	
		For 316 Stainless Steel, Add	*2.82*	
		For Aluminum, Add	*0.16*	
		For High Strength Steel (HSS), Add	*0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	2.47	1.09
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.39*	
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For High Strength Steel (HSS), Add	*0.49*	
05 12 23 00-0426	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	2.75	1.17
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.43*	
		For 304 Stainless Steel, Add	*3.39*	
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For High Strength Steel (HSS), Add	*0.55*	
05 12 23 00-0427	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	3.33	1.38
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.52*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For High Strength Steel (HSS), Add	*0.67*	
05 12 23 00-0428	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	3.33	1.38
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.52*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For High Strength Steel (HSS), Add	*0.67*	
05 12 23 00-0429	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	3.78	1.49
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.58*	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For High Strength Steel (HSS), Add	*0.76*	
05 12 23 00-0430	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	4.18	1.53
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.62*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*0.84*	
05 12 23 00-0431	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	4.18	1.53
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.62*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*0.84*	
05 12 23 00-0432	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	4.56	1.58
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.67*	
		For 304 Stainless Steel, Add	*6.98*	
		For 316 Stainless Steel, Add	*7.84*	
		For Aluminum, Add	*0.44*	
		For High Strength Steel (HSS), Add	*0.91*	

05 12 23 00-0433 3/16" Thick *(05 12 23 00-0420)*

05 12 23 00-0434	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	3.37	1.24
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.50*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
		For High Strength Steel (HSS), Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0435	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	4.14	1.46
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For High Strength Steel (HSS), Add	*0.83*	
05 12 23 00-0436	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	4.14	1.46
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For High Strength Steel (HSS), Add	*0.83*	
05 12 23 00-0437	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	4.75	1.56
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*7.61*	
		For 316 Stainless Steel, Add	*8.54*	
		For Aluminum, Add	*0.48*	
		For High Strength Steel (HSS), Add	*0.95*	
05 12 23 00-0438	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	5.30	1.62
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.06*	
05 12 23 00-0439	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	5.30	1.62
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.06*	
05 12 23 00-0440	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	5.86	1.67
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*10.35*	
		For 316 Stainless Steel, Add	*11.62*	
		For Aluminum, Add	*0.65*	
		For High Strength Steel (HSS), Add	*1.17*	
05 12 23 00-0441	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	6.48	1.79
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000, Deduct	*-0.89*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.09*	
		For Aluminum, Add	*0.74*	
		For High Strength Steel (HSS), Add	*1.30*	
05 12 23 00-0442	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.13	1.92
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*13.02*	
		For 316 Stainless Steel, Add	*14.62*	
		For Aluminum, Add	*0.82*	
		For High Strength Steel (HSS), Add	*1.43*	
05 12 23 00-0443	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	7.12	1.92
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For High Strength Steel (HSS), Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0444	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.87	2.12
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.07*	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For High Strength Steel (HSS), Add	*1.57*	
05 12 23 00-0445	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	8.61	2.33
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.17*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For High Strength Steel (HSS), Add	*1.72*	

05 12 23 00-0446 1/4" Thick *(05 12 23 00-0420)*

05 12 23 00-0447	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	4.11	1.43
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.60*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*0.82*	
05 12 23 00-0448	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	4.87	1.54
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.69*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0449	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	4.87	1.54
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.69*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For High Strength Steel (HSS), Add	*0.97*	
05 12 23 00-0450	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	5.63	1.65
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.78*	
		For 304 Stainless Steel, Add	*9.80*	
		For 316 Stainless Steel, Add	*11.01*	
		For Aluminum, Add	*0.62*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0451	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	6.39	1.70
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.87*	
		For 304 Stainless Steel, Add	*11.74*	
		For 316 Stainless Steel, Add	*13.18*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.28*	
05 12 23 00-0452	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	5.56	1.60
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.77*	
		For 304 Stainless Steel, Add	*9.89*	
		For 316 Stainless Steel, Add	*11.10*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.15*	
		For High Strength Steel (HSS), Add	*1.11*	
05 12 23 00-0453	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	6.38	1.70
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.87*	
		For 304 Stainless Steel, Add	*11.71*	
		For 316 Stainless Steel, Add	*13.15*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0454	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	7.08	1.75
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.94*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For High Strength Steel (HSS), Add	*1.42*	
05 12 23 00-0455	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	7.97	1.95
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.06*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For High Strength Steel (HSS), Add	*1.59*	
05 12 23 00-0456	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.93	2.13
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.18*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For High Strength Steel (HSS), Add	*1.79*	
05 12 23 00-0457	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	8.93	2.13
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000, Deduct	*-1.18*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For High Strength Steel (HSS), Add	*1.79*	
05 12 23 00-0458	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.85	2.37
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.30*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0459	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	10.73	2.60
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.42*	
		For 304 Stainless Steel, Add	*20.69*	
		For 316 Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0460	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	11.73	2.80
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.55*	
		For 304 Stainless Steel, Add	*22.80*	
		For 316 Stainless Steel, Add	*25.60*	
		For Aluminum, Add	*1.44*	
		For High Strength Steel (HSS), Add	*2.35*	
05 12 23 00-0461	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.51	0.30
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.64*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For High Strength Steel (HSS), Add	*2.50*	
05 12 23 00-0462	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	12.51	2.92
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.64*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For High Strength Steel (HSS), Add	*2.50*	
05 12 23 00-0463	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.25	3.04
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.73*	
		For 304 Stainless Steel, Add	*26.19*	
		For 316 Stainless Steel, Add	*29.41*	
		For Aluminum, Add	*1.65*	
		For High Strength Steel (HSS), Add	*2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0464	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	14.04	3.18
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.83*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For High Strength Steel (HSS), Add	*2.81*	
05 12 23 00-0465	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.04	3.18
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000, Deduct	*-1.83*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For High Strength Steel (HSS), Add	*2.81*	
05 12 23 00-0466	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.84	3.34
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-1.93*	
		For 304 Stainless Steel, Add	*29.58*	
		For 316 Stainless Steel, Add	*33.22*	
		For Aluminum, Add	*1.87*	
		For High Strength Steel (HSS), Add	*2.97*	

05 12 23 00-0467 5/16" Thick *(05 12 23 00-0420)*

05 12 23 00-0468	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	9.70	2.27
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For High Strength Steel (HSS), Add	*1.94*	
05 12 23 00-0469	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	10.63	2.40
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.38*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For High Strength Steel (HSS), Add	*2.13*	
05 12 23 00-0470	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	10.63	2.40
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000, Deduct	*-1.38*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For High Strength Steel (HSS), Add	*2.13*	
05 12 23 00-0471	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	11.83	2.63
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000, Deduct	*-1.53*	
		For 304 Stainless Steel, Add	*23.71*	
		For 316 Stainless Steel, Add	*26.62*	
		For Aluminum, Add	*1.50*	
		For High Strength Steel (HSS), Add	*2.37*	
05 12 23 00-0472	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	12.87	2.86
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*25.82*	
		For 316 Stainless Steel, Add	*28.99*	
		For Aluminum, Add	*1.63*	
		For High Strength Steel (HSS), Add	*2.57*	
05 12 23 00-0473	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	13.82	3.00
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.78*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For High Strength Steel (HSS), Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0474	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.87	3.15
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.91*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For High Strength Steel (HSS), Add	*2.97*	
05 12 23 00-0475	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	14.87	3.15
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000, Deduct	*-1.91*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For High Strength Steel (HSS), Add	*2.97*	
05 12 23 00-0476	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.86	3.33
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.03*	
		For 304 Stainless Steel, Add	*32.52*	
		For 316 Stainless Steel, Add	*36.51*	
		For Aluminum, Add	*2.05*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0477	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	16.83	3.48
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000, Deduct	*-2.15*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0478	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	16.83	3.48
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000, Deduct	*-2.15*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0479	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	17.74	3.63
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000, Deduct	*-2.26*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For High Strength Steel (HSS), Add	*3.55*	
05 12 23 00-0480	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	20.35	3.78
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*43.63*	
		For 316 Stainless Steel, Add	*48.99*	
		For Aluminum, Add	*2.76*	
		For High Strength Steel (HSS), Add	*4.07*	
05 12 23 00-0481	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.78	3.94
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.50*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For High Strength Steel (HSS), Add	*3.96*	

05 12 23 00-0482 3/8" Thick *(05 12 23 00-0420)*

05 12 23 00-0483	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	12.09	2.51
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.54*	
		For 304 Stainless Steel, Add	*24.94*	
		For 316 Stainless Steel, Add	*28.00*	
		For Aluminum, Add	*1.58*	
		For High Strength Steel (HSS), Add	*2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	13.44	2.72
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.71*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For High Strength Steel (HSS), Add	*2.69*	
05 12 23 00-0485	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	14.57	2.93
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.85*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For High Strength Steel (HSS), Add	*2.91*	
05 12 23 00-0486	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	15.75	3.01
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*33.46*	
		For 316 Stainless Steel, Add	*37.57*	
		For Aluminum, Add	*2.11*	
		For High Strength Steel (HSS), Add	*3.15*	
05 12 23 00-0487	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	16.83	3.18
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.11*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0488	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	16.83	3.18
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.11*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0489	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.10	3.45
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000, Deduct	*-2.27*	
		For 304 Stainless Steel, Add	*38.45*	
		For 316 Stainless Steel, Add	*43.17*	
		For Aluminum, Add	*2.43*	
		For High Strength Steel (HSS), Add	*3.62*	
05 12 23 00-0490	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	19.28	3.56
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.40*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For High Strength Steel (HSS), Add	*3.86*	
05 12 23 00-0491	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.46	3.70
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.44*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For High Strength Steel (HSS), Add	*3.89*	
05 12 23 00-0492	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	20.74	3.99
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.61*	
		For 304 Stainless Steel, Add	*43.95*	
		For 316 Stainless Steel, Add	*49.34*	
		For Aluminum, Add	*2.78*	
		For High Strength Steel (HSS), Add	*4.15*	
05 12 23 00-0493	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	24.47	4.64
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.07*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For High Strength Steel (HSS), Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0494	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.10	4.32
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.89*	
		For 304 Stainless Steel, Add	*49.42*	
		For 316 Stainless Steel, Add	*55.49*	
		For Aluminum, Add	*3.12*	
		For High Strength Steel (HSS), Add	*4.62*	
05 12 23 00-0495	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.47	4.64
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.07*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For High Strength Steel (HSS), Add	*4.89*	
05 12 23 00-0496	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	29.57	5.58
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.85*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.70*	
		For 304 Stainless Steel, Add	*63.10*	
		For 316 Stainless Steel, Add	*70.85*	
		For Aluminum, Add	*3.99*	
		For High Strength Steel (HSS), Add	*5.91*	
05 12 23 00-0497	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	27.03	5.11
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-3.39*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For High Strength Steel (HSS), Add	*5.41*	

05 12 23 00-0498 1/2" Thick *(05 12 23 00-0420)*

05 12 23 00-0499	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	17.96	2.99
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.20*	
		For 304 Stainless Steel, Add	*39.81*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For High Strength Steel (HSS), Add	*3.59*	
05 12 23 00-0500	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	21.21	3.54
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.59*	
		For 304 Stainless Steel, Add	*47.03*	
		For 316 Stainless Steel, Add	*52.80*	
		For Aluminum, Add	*2.97*	
		For High Strength Steel (HSS), Add	*4.24*	
05 12 23 00-0501	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	22.73	3.78
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-2.78*	
		For 304 Stainless Steel, Add	*50.39*	
		For 316 Stainless Steel, Add	*56.58*	
		For Aluminum, Add	*3.18*	
		For High Strength Steel (HSS), Add	*4.55*	
05 12 23 00-0502	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	24.45	4.08
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.99*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For High Strength Steel (HSS), Add	*4.89*	
05 12 23 00-0503	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	24.45	4.08
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.99*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For High Strength Steel (HSS), Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0504	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	25.98	4.33
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.18*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For High Strength Steel (HSS), Add	*5.20*	
05 12 23 00-0505	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	30.95	5.16
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.84*	
		For >1,000, Deduct	*-3.78*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0506	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.95	5.16
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.84*	
		For >1,000, Deduct	*-3.78*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For High Strength Steel (HSS), Add	*6.19*	
05 12 23 00-0507	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	37.44	6.23
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.29*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000, Deduct	*-4.58*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For High Strength Steel (HSS), Add	*7.49*	
05 12 23 00-0508	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	34.18	5.70
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-4.18*	
		For 304 Stainless Steel, Add	*75.78*	
		For 316 Stainless Steel, Add	*85.09*	
		For Aluminum, Add	*4.79*	
		For High Strength Steel (HSS), Add	*6.84*	
05 12 23 00-0509	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	37.44	6.23
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.29*	
		For >500 To 1,000, Deduct	*-3.43*	
		For >1,000, Deduct	*-4.58*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For High Strength Steel (HSS), Add	*7.49*	
05 12 23 00-0510	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	43.94	7.32
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.37*	
		For 304 Stainless Steel, Add	*97.41*	
		For 316 Stainless Steel, Add	*109.38*	
		For Aluminum, Add	*6.15*	
		For High Strength Steel (HSS), Add	*8.79*	
05 12 23 00-0511	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	50.42	8.40
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.16*	
		For 304 Stainless Steel, Add	*111.78*	
		For 316 Stainless Steel, Add	*125.50*	
		For Aluminum, Add	*7.06*	
		For High Strength Steel (HSS), Add	*10.08*	

05 12 23 00-0512 5/8" Thick *(05 12 23 00-0420)*

05 12 23 00-0513	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	29.56	4.67
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-3.58*	
		For 316 Stainless Steel, Add	*74.66*	
		For Aluminum, Add	*4.20*	
		For High Strength Steel (HSS), Add	*5.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0514	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	31.63	5.00
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000, Deduct	*-3.83*	
		For 316 Stainless Steel, Add	*79.90*	
		For Aluminum, Add	*4.49*	
		For High Strength Steel (HSS), Add	*6.33*	
05 12 23 00-0515	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	37.64	5.94
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For High Strength Steel (HSS), Add	*7.53*	
05 12 23 00-0516	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	37.64	5.94
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For High Strength Steel (HSS), Add	*7.53*	
05 12 23 00-0517	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	45.55	7.20
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.76*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-5.51*	
		For 316 Stainless Steel, Add	*115.07*	
		For Aluminum, Add	*6.47*	
		For High Strength Steel (HSS), Add	*9.11*	
05 12 23 00-0518	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	41.60	6.57
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000, Deduct	*-5.04*	
		For 316 Stainless Steel, Add	*105.09*	
		For Aluminum, Add	*5.91*	
		For High Strength Steel (HSS), Add	*8.32*	
05 12 23 00-0519	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	53.65	8.48
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.25*	
		For >500 To 1,000, Deduct	*-4.87*	
		For >1,000, Deduct	*-6.50*	
		For 316 Stainless Steel, Add	*135.52*	
		For Aluminum, Add	*7.62*	
		For High Strength Steel (HSS), Add	*10.73*	
05 12 23 00-0520	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	61.57	9.73
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.73*	
		For >500 To 1,000, Deduct	*-5.59*	
		For >1,000, Deduct	*-7.45*	
		For 316 Stainless Steel, Add	*155.52*	
		For Aluminum, Add	*8.75*	
		For High Strength Steel (HSS), Add	*12.31*	

05 12 23 00-0521 3/4" Thick *(05 12 23 00-0420)*

05 12 23 00-0522	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	34.38	5.17
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.06*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.13*	
		For 316 Stainless Steel, Add	*88.00*	
		For Aluminum, Add	*4.95*	
		For High Strength Steel (HSS), Add	*6.88*	
05 12 23 00-0523	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	36.78	5.52
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.21*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.41*	
		For 316 Stainless Steel, Add	*94.14*	
		For Aluminum, Add	*5.30*	
		For High Strength Steel (HSS), Add	*7.36*	
05 12 23 00-0524	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	43.84	6.58
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For High Strength Steel (HSS), Add	*8.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0525	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	43.84	6.58
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For High Strength Steel (HSS), Add	*8.77*	
05 12 23 00-0526	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	53.32	8.00
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.20*	
		For >500 To 1,000, Deduct	*-4.80*	
		For >1,000, Deduct	*-6.40*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For High Strength Steel (HSS), Add	*10.66*	
05 12 23 00-0527	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	48.67	7.31
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000, Deduct	*-5.84*	
		For 316 Stainless Steel, Add	*124.58*	
		For Aluminum, Add	*7.01*	
		For High Strength Steel (HSS), Add	*9.73*	
05 12 23 00-0528	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	53.32	8.00
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.20*	
		For >500 To 1,000, Deduct	*-4.80*	
		For >1,000, Deduct	*-6.40*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For High Strength Steel (HSS), Add	*10.66*	
05 12 23 00-0529	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	62.81	9.43
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000, Deduct	*-7.54*	
		For 316 Stainless Steel, Add	*160.77*	
		For Aluminum, Add	*9.04*	
		For High Strength Steel (HSS), Add	*12.56*	
05 12 23 00-0530	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	72.27	10.84
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.34*	
		For >500 To 1,000, Deduct	*-6.50*	
		For >1,000, Deduct	*-8.67*	
		For 316 Stainless Steel, Add	*184.99*	
		For Aluminum, Add	*10.41*	
		For High Strength Steel (HSS), Add	*14.45*	
05 12 23 00-0531		7/8" Thick *(05 12 23 00-0420)*		
05 12 23 00-0532	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	49.85	7.08
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.93*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For High Strength Steel (HSS), Add	*9.97*	
05 12 23 00-0533	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	49.85	7.08
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.93*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For High Strength Steel (HSS), Add	*9.97*	
05 12 23 00-0534	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	60.68	8.62
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000, Deduct	*-7.22*	
		For 316 Stainless Steel, Add	*157.41*	
		For Aluminum, Add	*8.85*	
		For High Strength Steel (HSS), Add	*12.14*	
05 12 23 00-0535	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	71.68	10.18
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.26*	
		For >500 To 1,000, Deduct	*-6.39*	
		For >1,000, Deduct	*-8.53*	
		For 316 Stainless Steel, Add	*185.95*	
		For Aluminum, Add	*10.46*	
		For High Strength Steel (HSS), Add	*14.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0536	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	82.48	11.71
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.91*	
		For >500 To 1,000, Deduct	*-7.36*	
		For >1,000, Deduct	*-9.81*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For High Strength Steel (HSS), Add	*16.50*	

05 12 23 00-0537 Bar Channel *(05 12 23 00-0419)*

05 12 23 00-0538	LF	1" x 1/2" x 1/8" Thick Bar Channel	3.18	
		For 304 Stainless Steel, Add	*4.62*	
		For 316 Stainless Steel, Add	*5.18*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*1.00*	
		For High Strength Steel (HSS), Add	*0.64*	
05 12 23 00-0539	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.64	
		For 304 Stainless Steel, Add	*5.53*	
		For 316 Stainless Steel, Add	*6.21*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.20*	
		For High Strength Steel (HSS), Add	*0.73*	
05 12 23 00-0540	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	3.97	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*0.79*	
05 12 23 00-0541	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.43	
		For 304 Stainless Steel, Add	*6.36*	
		For 316 Stainless Steel, Add	*7.14*	
		For Aluminum, Add	*0.40*	
		For Galvanized Steel, Add	*1.38*	
		For High Strength Steel (HSS), Add	*0.89*	
05 12 23 00-0542	LF	2" x 1/2" x 1/8" Thick Bar Channel	4.94	
		For 304 Stainless Steel, Add	*7.81*	
		For 316 Stainless Steel, Add	*8.77*	
		For Aluminum, Add	*0.49*	
		For Galvanized Steel, Add	*1.70*	
05 12 23 00-0543	LF	2" x 1" x 1/8" Thick Bar Channel	6.21	
		For 304 Stainless Steel, Add	*8.72*	
		For 316 Stainless Steel, Add	*9.79*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	

05 12 23 00-0544 Channels - C *(05 12 23 00-0419)*

05 12 23 00-0545	LF	C2 x 1.78 - 2" Wide Channel	5.18	1.94
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.78*	
		For 304 Stainless Steel, Add	*7.41*	
		For 316 Stainless Steel, Add	*8.32*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.61*	
05 12 23 00-0546	LF	C3 x 4.1 - 3" Wide Channel	9.81	2.79
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.35*	
		For 304 Stainless Steel, Add	*17.36*	
		For 316 Stainless Steel, Add	*19.49*	
		For Aluminum, Add	*1.10*	
		For Galvanized Steel, Add	*3.78*	
05 12 23 00-0547	LF	C3 x 5 - 3" Wide Channel	11.97	3.40
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.65*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
05 12 23 00-0548	LF	C3 x 6 - 3" Wide Channel	14.35	4.08
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*25.39*	
		For 316 Stainless Steel, Add	*28.51*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0549	LF	C4 x 5.4 - 4" Wide Channel	12.48	3.34
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.69*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
05 12 23 00-0550	LF	C4 x 7.25 - 4" Wide Channel	16.76	4.49
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.28*	
		For 304 Stainless Steel, Add	*30.69*	
		For 316 Stainless Steel, Add	*34.46*	
		For Aluminum, Add	*1.94*	
		For Galvanized Steel, Add	*6.68*	
05 12 23 00-0551	LF	C5 x 6.7 - 5" Wide Channel	15.16	3.90
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000, Deduct	*-2.04*	
		For 304 Stainless Steel, Add	*28.36*	
		For 316 Stainless Steel, Add	*31.84*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.17*	
05 12 23 00-0552	LF	C5 x 9 - 5" Wide Channel	20.36	5.25
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.74*	
		For 304 Stainless Steel, Add	*38.10*	
		For 316 Stainless Steel, Add	*42.78*	
		For Aluminum, Add	*2.41*	
		For Galvanized Steel, Add	*8.29*	
05 12 23 00-0553	LF	C6 x 8.2 - 6" Wide Channel	18.42	4.68
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*34.71*	
		For 316 Stainless Steel, Add	*38.98*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.55*	
05 12 23 00-0554	LF	C6 x 10.5 - 6" Wide Channel	23.59	6.00
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.16*	
		For 304 Stainless Steel, Add	*44.46*	
		For 316 Stainless Steel, Add	*49.92*	
		For Aluminum, Add	*2.81*	
		For Galvanized Steel, Add	*9.67*	
05 12 23 00-0555	LF	C6 x 13 - 6" Wide Channel	29.22	7.43
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-3.91*	
		For 304 Stainless Steel, Add	*55.06*	
		For 316 Stainless Steel, Add	*61.82*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.98*	
05 12 23 00-0556	LF	C7 x 9.8 - 7" Wide Channel	22.00	5.58
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*46.59*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.03*	
05 12 23 00-0557	LF	C7 x 12.25 - 7" Wide Channel	27.50	6.97
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.84*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-3.68*	
		For 304 Stainless Steel, Add	*51.87*	
		For 316 Stainless Steel, Add	*58.24*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.28*	
05 12 23 00-0558	LF	C7 x 14.75 - 7" Wide Channel	33.11	8.39
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.43*	
		For 304 Stainless Steel, Add	*62.47*	
		For 316 Stainless Steel, Add	*70.14*	
		For Aluminum, Add	*3.95*	
		For Galvanized Steel, Add	*13.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0559	LF	C8 x 11.5 - 8" Wide Channel	25.27	6.14
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-3.35*	
		For 304 Stainless Steel, Add	*48.71*	
		For 316 Stainless Steel, Add	*54.69*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.60*	
05 12 23 00-0560	LF	C8 x 13.75 - 8" Wide Channel	30.21	7.34
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.00*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000, Deduct	*-4.00*	
		For 304 Stainless Steel, Add	*58.23*	
		For 316 Stainless Steel, Add	*65.38*	
		For Aluminum, Add	*3.68*	
		For Galvanized Steel, Add	*12.67*	
05 12 23 00-0561	LF	C8 x 18.75 - 8" Wide Channel	41.19	10.00
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000, Deduct	*-5.45*	
		For 304 Stainless Steel, Add	*79.40*	
		For 316 Stainless Steel, Add	*89.15*	
		For Aluminum, Add	*5.01*	
		For Galvanized Steel, Add	*17.27*	
05 12 23 00-0562	LF	C9 x 13.4 - 9" Wide Channel	29.44	7.14
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.95*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-3.90*	
		For 304 Stainless Steel, Add	*56.74*	
		For 316 Stainless Steel, Add	*63.71*	
		For Aluminum, Add	*3.58*	
		For Galvanized Steel, Add	*12.34*	
05 12 23 00-0563	LF	C9 x 15 - 9" Wide Channel	32.96	8.00
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.18*	
		For >500 To 1,000, Deduct	*-3.27*	
		For >1,000, Deduct	*-4.36*	
		For 304 Stainless Steel, Add	*63.53*	
		For 316 Stainless Steel, Add	*71.33*	
		For Aluminum, Add	*4.01*	
		For Galvanized Steel, Add	*13.82*	
05 12 23 00-0564	LF	C9 x 20 - 9" Wide Channel	43.95	10.67
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-5.82*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0565	LF	C10 x 15.3 - 10" Wide Channel	33.61	8.16
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.34*	
		For >1,000, Deduct	*-4.45*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
05 12 23 00-0566	LF	C10 x 20 - 10" Wide Channel	43.95	10.67
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-5.82*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0567	LF	C10 x 25 - 10" Wide Channel	54.92	13.33
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-3.64*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000, Deduct	*-7.27*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0568	LF	C10 x 30 - 10" Wide Channel	65.91	16.00
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.36*	
		For >500 To 1,000, Deduct	*-6.54*	
		For >1,000, Deduct	*-8.73*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0569	LF	C12 x 20.7 - 12" Wide Channel	45.49	11.05
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-6.02*	
		For 304 Stainless Steel, Add	*87.67*	
		For 316 Stainless Steel, Add	*98.43*	
		For Aluminum, Add	*5.54*	
		For Galvanized Steel, Add	*19.07*	
05 12 23 00-0570	LF	C12 x 25 - 12" Wide Channel	54.92	13.33
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-3.64*	
		For >500 To 1,000, Deduct	*-5.45*	
		For >1,000, Deduct	*-7.27*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0571	LF	C12 x 30 - 12" Wide Channel	65.91	16.00
		For >100 To 250, Deduct	*-2.71*	
		For >250 To 500, Deduct	*-4.36*	
		For >500 To 1,000, Deduct	*-6.54*	
		For >1,000, Deduct	*-8.73*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	
05 12 23 00-0572	LF	C15 x 33.9 - 15" Wide Channel	74.49	18.09
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-4.93*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-9.86*	
		For 304 Stainless Steel, Add	*143.55*	
		For 316 Stainless Steel, Add	*161.18*	
		For Aluminum, Add	*9.07*	
		For Galvanized Steel, Add	*31.23*	
05 12 23 00-0573	LF	C15 x 40 - 15" Wide Channel	87.88	21.34
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.82*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000, Deduct	*-11.63*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0574	LF	C15 x 50 - 15" Wide Channel	109.85	26.67
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.27*	
		For >500 To 1,000, Deduct	*-10.91*	
		For >1,000, Deduct	*-14.54*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	

05 12 23 00-0575 Miscellaneous Channels - MC *(05 12 23 00-0419)*

05 12 23 00-0576	LF	MC6 x 12 - 6" Wide Channel	26.97	6.86
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.71*	
		For >1,000, Deduct	*-3.61*	
		For 304 Stainless Steel, Add	*50.82*	
		For 316 Stainless Steel, Add	*57.06*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.05*	
05 12 23 00-0577	LF	MC6 x 15.1 - 6" Wide Channel	33.94	8.63
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-4.54*	
		For 304 Stainless Steel, Add	*63.95*	
		For 316 Stainless Steel, Add	*71.81*	
		For Aluminum, Add	*4.04*	
		For Galvanized Steel, Add	*13.91*	
05 12 23 00-0578	LF	MC6 x 15.3 - 6" Wide Channel	34.38	8.74
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.30*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000, Deduct	*-4.60*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579	LF	MC6 x 16.3 - 6" Wide Channel	36.64	9.31
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.45*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-4.91*	
		For 304 Stainless Steel, Add	*69.03*	
		For 316 Stainless Steel, Add	*77.50*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.02*	
05 12 23 00-0580	LF	MC6 x 18 - 6" Wide Channel	40.45	10.28
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0581	LF	MC7 x 17.6 - 7" Wide Channel	39.50	10.02
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.64*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000, Deduct	*-5.29*	
		For 304 Stainless Steel, Add	*74.53*	
		For 316 Stainless Steel, Add	*83.68*	
		For Aluminum, Add	*4.71*	
		For Galvanized Steel, Add	*16.21*	
05 12 23 00-0582	LF	MC7 x 19.1 - 7" Wide Channel	42.87	10.87
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.74*	
		For 304 Stainless Steel, Add	*80.88*	
		For 316 Stainless Steel, Add	*90.82*	
		For Aluminum, Add	*5.11*	
		For Galvanized Steel, Add	*17.60*	
05 12 23 00-0583	LF	MC7 x 22.7 - 7" Wide Channel	50.96	12.92
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.41*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000, Deduct	*-6.82*	
		For 304 Stainless Steel, Add	*96.13*	
		For 316 Stainless Steel, Add	*107.94*	
		For Aluminum, Add	*6.07*	
		For Galvanized Steel, Add	*20.91*	
05 12 23 00-0584	LF	MC8 x 8.5 - 8" Wide Channel	18.68	4.54
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*36.00*	
		For 316 Stainless Steel, Add	*40.42*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.83*	
05 12 23 00-0585	LF	MC8 x 18.7 - 8" Wide Channel	41.08	9.97
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 500, Deduct	*-2.72*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-5.44*	
		For 304 Stainless Steel, Add	*79.17*	
		For 316 Stainless Steel, Add	*88.90*	
		For Aluminum, Add	*5.00*	
		For Galvanized Steel, Add	*17.22*	
05 12 23 00-0586	LF	MC8 x 20 - 8" Wide Channel	43.95	10.67
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.91*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-5.82*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0587	LF	MC8 x 21.4 - 8" Wide Channel	47.02	11.42
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.11*	
		For >500 To 1,000, Deduct	*-4.67*	
		For >1,000, Deduct	*-6.22*	
		For 304 Stainless Steel, Add	*90.63*	
		For 316 Stainless Steel, Add	*101.76*	
		For Aluminum, Add	*5.72*	
		For Galvanized Steel, Add	*19.72*	
05 12 23 00-0588	LF	MC8 x 22.8 - 8" Wide Channel	50.09	12.17
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.32*	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000, Deduct	*-6.63*	
		For 304 Stainless Steel, Add	*96.56*	
		For 316 Stainless Steel, Add	*108.42*	
		For Aluminum, Add	*6.10*	
		For Galvanized Steel, Add	*21.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC9 x 23.9 - 9" Wide Channel	52.51	12.75
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.48*	
		For >500 To 1,000, Deduct	*-5.21*	
		For >1,000, Deduct	*-6.95*	
		For 304 Stainless Steel, Add	*101.20*	
		For 316 Stainless Steel, Add	*113.63*	
		For Aluminum, Add	*6.39*	
		For Galvanized Steel, Add	*22.02*	
05 12 23 00-0590	LF	MC9 x 25.4 - 9" Wide Channel	55.81	13.55
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-3.69*	
		For >500 To 1,000, Deduct	*-5.54*	
		For >1,000, Deduct	*-7.39*	
		For 304 Stainless Steel, Add	*107.56*	
		For 316 Stainless Steel, Add	*120.77*	
		For Aluminum, Add	*6.79*	
		For Galvanized Steel, Add	*23.40*	
05 12 23 00-0591	LF	MC10 x 6.5 - 10" Wide Channel	14.28	3.46
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0592	LF	MC10 x 8.4 - 10" Wide Channel	18.46	4.48
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.44*	
		For 304 Stainless Steel, Add	*35.57*	
		For 316 Stainless Steel, Add	*39.94*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.74*	
05 12 23 00-0593	LF	MC10 x 21.9 - 10" Wide Channel	48.12	11.68
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.19*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000, Deduct	*-6.37*	
		For 304 Stainless Steel, Add	*92.74*	
		For 316 Stainless Steel, Add	*104.13*	
		For Aluminum, Add	*5.86*	
		For Galvanized Steel, Add	*20.17*	
05 12 23 00-0594	LF	MC10 x 24.9 - 10" Wide Channel	54.71	13.28
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.62*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-7.24*	
		For 304 Stainless Steel, Add	*105.45*	
		For 316 Stainless Steel, Add	*118.40*	
		For Aluminum, Add	*6.66*	
		For Galvanized Steel, Add	*22.94*	
05 12 23 00-0595	LF	MC10 x 25.3 - 10" Wide Channel	55.59	13.50
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.68*	
		For >500 To 1,000, Deduct	*-5.52*	
		For >1,000, Deduct	*-7.36*	
		For 304 Stainless Steel, Add	*107.13*	
		For 316 Stainless Steel, Add	*120.29*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.31*	
05 12 23 00-0596	LF	MC10 x 28.3 - 10" Wide Channel	62.18	15.10
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.12*	
		For >500 To 1,000, Deduct	*-6.17*	
		For >1,000, Deduct	*-8.23*	
		For 304 Stainless Steel, Add	*119.84*	
		For 316 Stainless Steel, Add	*134.56*	
		For Aluminum, Add	*7.57*	
		For Galvanized Steel, Add	*26.07*	
05 12 23 00-0597	LF	MC10 x 28.5 - 10" Wide Channel	62.61	15.21
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.14*	
		For >500 To 1,000, Deduct	*-6.22*	
		For >1,000, Deduct	*-8.29*	
		For 304 Stainless Steel, Add	*120.67*	
		For 316 Stainless Steel, Add	*135.49*	
		For Aluminum, Add	*7.62*	
		For Galvanized Steel, Add	*26.25*	
05 12 23 00-0598	LF	MC10 x 33.6 - 10" Wide Channel	73.82	17.93
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-4.89*	
		For >500 To 1,000, Deduct	*-7.33*	
		For >1,000, Deduct	*-9.77*	
		For 304 Stainless Steel, Add	*142.27*	
		For 316 Stainless Steel, Add	*159.74*	
		For Aluminum, Add	*8.99*	
		For Galvanized Steel, Add	*30.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0599	LF	MC10 x 41.1 - 10" Wide Channel	90.30	21.92
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-5.98*	
		For >500 To 1,000, Deduct	*-8.96*	
		For >1,000, Deduct	*-11.95*	
		For 304 Stainless Steel, Add	*174.05*	
		For 316 Stainless Steel, Add	*195.42*	
		For Aluminum, Add	*10.99*	
		For Galvanized Steel, Add	*37.86*	
05 12 23 00-0600	LF	MC12 x 30.9 - 12" Wide Channel	67.89	16.48
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.49*	
		For >500 To 1,000, Deduct	*-6.74*	
		For >1,000, Deduct	*-8.99*	
		For 304 Stainless Steel, Add	*130.84*	
		For 316 Stainless Steel, Add	*146.91*	
		For Aluminum, Add	*8.26*	
		For Galvanized Steel, Add	*28.46*	
05 12 23 00-0601	LF	MC12 x 32.9 - 12" Wide Channel	72.29	17.55
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-4.79*	
		For >500 To 1,000, Deduct	*-7.18*	
		For >1,000, Deduct	*-9.57*	
		For 304 Stainless Steel, Add	*139.31*	
		For 316 Stainless Steel, Add	*156.42*	
		For Aluminum, Add	*8.80*	
		For Galvanized Steel, Add	*30.31*	
05 12 23 00-0602	LF	MC12 x 35 - 12" Wide Channel	76.90	18.67
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-5.09*	
		For >500 To 1,000, Deduct	*-7.64*	
		For >1,000, Deduct	*-10.18*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	
05 12 23 00-0603	LF	MC12 x 37 - 12" Wide Channel	81.29	19.74
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.38*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-10.76*	
		For 304 Stainless Steel, Add	*156.66*	
		For 316 Stainless Steel, Add	*175.90*	
		For Aluminum, Add	*9.89*	
		For Galvanized Steel, Add	*34.08*	
05 12 23 00-0604	LF	MC12 x 40 - 12" Wide Channel	87.88	21.34
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.82*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000, Deduct	*-11.63*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0605	LF	MC12 x 45 - 12" Wide Channel	98.87	24.01
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.54*	
		For >500 To 1,000, Deduct	*-9.82*	
		For >1,000, Deduct	*-13.09*	
		For 304 Stainless Steel, Add	*190.55*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For Galvanized Steel, Add	*41.45*	
05 12 23 00-0606	LF	MC12 x 50 - 12" Wide Channel	109.85	26.68
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.27*	
		For >500 To 1,000, Deduct	*-10.91*	
		For >1,000, Deduct	*-14.54*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0607	LF	MC13 x 31.8 - 13" Wide Channel	69.87	16.96
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 500, Deduct	*-4.62*	
		For >500 To 1,000, Deduct	*-6.94*	
		For >1,000, Deduct	*-9.25*	
		For 304 Stainless Steel, Add	*134.66*	
		For 316 Stainless Steel, Add	*151.20*	
		For Aluminum, Add	*8.51*	
		For Galvanized Steel, Add	*29.30*	
05 12 23 00-0608	LF	MC13 x 35 - 13" Wide Channel	76.90	18.67
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-5.09*	
		For >500 To 1,000, Deduct	*-7.64*	
		For >1,000, Deduct	*-10.18*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0609	LF	MC13 x 40 - 13" Wide Channel	87.88	21.34
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-5.82*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000, Deduct	*-11.63*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0610	LF	MC13 x 50 - 13" Wide Channel	109.85	26.68
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.27*	
		For >500 To 1,000, Deduct	*-10.91*	
		For >1,000, Deduct	*-14.54*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0611	LF	MC18 x 42.7 - 18" Wide Channel	93.82	22.78
		For >100 To 250, Deduct	*-3.86*	
		For >250 To 500, Deduct	*-6.21*	
		For >500 To 1,000, Deduct	*-9.32*	
		For >1,000, Deduct	*-12.42*	
		For 304 Stainless Steel, Add	*180.80*	
		For 316 Stainless Steel, Add	*203.01*	
		For Aluminum, Add	*11.42*	
		For Galvanized Steel, Add	*39.33*	
05 12 23 00-0612	LF	MC18 x 45.8 - 18" Wide Channel	100.62	24.43
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-6.66*	
		For >500 To 1,000, Deduct	*-9.99*	
		For >1,000, Deduct	*-13.32*	
		For 304 Stainless Steel, Add	*193.94*	
		For 316 Stainless Steel, Add	*217.76*	
		For Aluminum, Add	*12.25*	
		For Galvanized Steel, Add	*42.19*	
05 12 23 00-0613	LF	MC18 x 51.9 - 18" Wide Channel	114.03	27.68
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-7.55*	
		For >500 To 1,000, Deduct	*-11.32*	
		For >1,000, Deduct	*-15.10*	
		For 304 Stainless Steel, Add	*219.76*	
		For 316 Stainless Steel, Add	*246.75*	
		For Aluminum, Add	*13.88*	
		For Galvanized Steel, Add	*47.81*	
05 12 23 00-0614	LF	MC18 x 58 - 18" Wide Channel	127.43	30.94
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-8.43*	
		For >500 To 1,000, Deduct	*-12.65*	
		For >1,000, Deduct	*-16.87*	
		For 304 Stainless Steel, Add	*245.61*	
		For 316 Stainless Steel, Add	*275.78*	
		For Aluminum, Add	*15.51*	
		For Galvanized Steel, Add	*53.43*	

05 12 23 00-0615 Structural Bar Tees *(05 12 23 00-0419)*

05 12 23 00-0616	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	3.10	1.41
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.50*	
		For 304 Stainless Steel, Add	*3.42*	
		For 316 Stainless Steel, Add	*3.84*	
		For Aluminum, Add	*0.22*	
		For Galvanized Steel, Add	*0.74*	
05 12 23 00-0617	LF	1" x 1" x 1/8" Structural Bar Tee	3.88	1.67
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*4.70*	
		For 316 Stainless Steel, Add	*5.28*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0618	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	7.28	1.94
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*13.42*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0619	LF	2" x 2" x 1/4" Structural Bar Tee	10.39	2.53
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.38*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0620	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	16.67	3.04
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.07*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
05 12 23 00-0621	LF	3" x 3" x 3/8" Structural Bar Tee	20.33	3.90
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-2.55*	
		For 304 Stainless Steel, Add	*43.09*	
		For 316 Stainless Steel, Add	*48.38*	
		For Aluminum, Add	*2.72*	
		For Galvanized Steel, Add	*9.37*	

05 12 23 00-0622 Structural Zees *(05 12 23 00-0419)*

05 12 23 00-0623	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	9.59	1.94
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.22*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0624	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	19.88	2.31
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.30*	
		For 304 Stainless Steel, Add	*47.91*	
		For 316 Stainless Steel, Add	*53.79*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.42*	
05 12 23 00-0625	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	24.04	2.60
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.75*	
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
		For Galvanized Steel, Add	*12.75*	
05 12 23 00-0626	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	33.07	2.97
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.85*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.70*	
		For 304 Stainless Steel, Add	*82.94*	
		For 316 Stainless Steel, Add	*93.12*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.04*	
05 12 23 00-0627	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	43.69	3.24
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-4.80*	
		For 304 Stainless Steel, Add	*112.23*	
		For 316 Stainless Steel, Add	*126.02*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.42*	

05 12 23 00-0628 Junior I-Beams *(05 12 23 00-0419)*

05 12 23 00-0629	LF	3" Junior I-Beam, 2.9 Lb./LF	12.98	2.79
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0630	LF	4" Junior I-Beam, 3.2 Lb./LF	14.29	3.04
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.84*	
		For 304 Stainless Steel, Add	*29.13*	
		For 316 Stainless Steel, Add	*32.70*	
		For Aluminum, Add	*1.84*	
		For Galvanized Steel, Add	*6.34*	
05 12 23 00-0631	LF	5" Junior I-Beam, 3.8 Lb./LF	16.59	3.34
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.11*	
		For 304 Stainless Steel, Add	*34.57*	
		For 316 Stainless Steel, Add	*38.82*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.52*	
05 12 23 00-0632	LF	6" Junior I-Beam, 4.4 Lb./LF	18.91	3.65
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.19*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000, Deduct	*-2.38*	
		For 304 Stainless Steel, Add	*40.04*	
		For 316 Stainless Steel, Add	*44.96*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.71*	
05 12 23 00-0633	LF	7" Junior I-Beam, 5.5 Lb./LF	22.77	3.90
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-2.80*	
		For 304 Stainless Steel, Add	*50.05*	
		For 316 Stainless Steel, Add	*56.19*	
		For Aluminum, Add	*3.16*	
		For Galvanized Steel, Add	*10.89*	
05 12 23 00-0634	LF	8" Junior I-Beam, 6.5 Lb./LF	26.31	4.16
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.19*	
		For 304 Stainless Steel, Add	*59.14*	
		For 316 Stainless Steel, Add	*66.40*	
		For Aluminum, Add	*3.74*	
		For Galvanized Steel, Add	*12.87*	
05 12 23 00-0635	LF	10" Junior I-Beam, 9 Lb./LF	35.07	4.76
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-4.14*	
		For 304 Stainless Steel, Add	*81.88*	
		For 316 Stainless Steel, Add	*91.94*	
		For Aluminum, Add	*5.17*	
		For Galvanized Steel, Add	*17.81*	
05 12 23 00-0636	LF	12" Junior I-Beam, 11.8 Lb./LF	45.20	5.65
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.64*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.27*	
		For 304 Stainless Steel, Add	*107.36*	
		For 316 Stainless Steel, Add	*120.54*	
		For Aluminum, Add	*6.78*	
		For Galvanized Steel, Add	*23.36*	

05 12 23 00-0637 Round Stock *(05 12 23 00-0419)*

05 12 23 00-0638	LF	1/4" Carbon Steel Rounds, ASTM A108	1.89	
		For 304 Stainless Steel, Add	*3.99*	
		For 316 Stainless Steel, Add	*4.48*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.87*	
05 12 23 00-0639	LF	3/8" Carbon Steel Rounds, ASTM A108	3.31	
		For 304 Stainless Steel, Add	*7.84*	
		For 316 Stainless Steel, Add	*8.80*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.71*	
05 12 23 00-0640	LF	1/2" Carbon Steel Rounds, ASTM A108	4.81	
		For 304 Stainless Steel, Add	*11.94*	
		For 316 Stainless Steel, Add	*13.41*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.60*	
05 12 23 00-0641	LF	5/8" Carbon Steel Rounds, ASTM A108	7.67	
		For 304 Stainless Steel, Add	*19.89*	
		For 316 Stainless Steel, Add	*22.34*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0642	LF	3/4" Carbon Steel Rounds, ASTM A108	9.12	
		For 304 Stainless Steel, Add	*23.63*	
		For 316 Stainless Steel, Add	*26.53*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.14*	
05 12 23 00-0643	LF	7/8" Carbon Steel Rounds, ASTM A108	10.64	
		For 304 Stainless Steel, Add	*27.62*	
		For 316 Stainless Steel, Add	*31.01*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*6.01*	
05 12 23 00-0644	LF	1" Carbon Steel Rounds, ASTM A108	15.89	
		For 304 Stainless Steel, Add	*42.07*	
		For 316 Stainless Steel, Add	*47.23*	
		For Aluminum, Add	*2.66*	
		For Galvanized Steel, Add	*9.15*	
05 12 23 00-0645	LF	1-1/8" Carbon Steel Rounds, ASTM A108	19.30	
		For 304 Stainless Steel, Add	*51.10*	
		For 316 Stainless Steel, Add	*57.38*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.12*	
05 12 23 00-0646	LF	1-1/4" Carbon Steel Rounds, ASTM A108	22.88	
		For 304 Stainless Steel, Add	*60.16*	
		For 316 Stainless Steel, Add	*67.55*	
		For Aluminum, Add	*3.80*	
		For Galvanized Steel, Add	*13.09*	
05 12 23 00-0647	LF	1-3/8" Carbon Steel Rounds, ASTM A108	27.83	
		For 304 Stainless Steel, Add	*73.42*	
		For 316 Stainless Steel, Add	*82.43*	
		For Aluminum, Add	*4.64*	
		For Galvanized Steel, Add	*15.97*	
05 12 23 00-0648	LF	1-1/2" Carbon Steel Rounds, ASTM A108	30.74	
		For 304 Stainless Steel, Add	*80.54*	
		For 316 Stainless Steel, Add	*90.43*	
		For Aluminum, Add	*5.09*	
		For Galvanized Steel, Add	*17.52*	
05 12 23 00-0649	LF	1-5/8" Carbon Steel Rounds, ASTM A108	35.12	
		For 304 Stainless Steel, Add	*91.26*	
		For 316 Stainless Steel, Add	*102.46*	
		For Aluminum, Add	*5.76*	
		For Galvanized Steel, Add	*19.85*	
05 12 23 00-0650	LF	1-3/4" Carbon Steel Rounds, ASTM A108	41.39	
		For 304 Stainless Steel, Add	*106.19*	
		For 316 Stainless Steel, Add	*119.23*	
		For Aluminum, Add	*6.71*	
		For Galvanized Steel, Add	*23.10*	
05 12 23 00-0651	LF	1-7/8" Carbon Steel Rounds, ASTM A108	49.10	
		For 304 Stainless Steel, Add	*124.40*	
		For 316 Stainless Steel, Add	*139.68*	
		For Aluminum, Add	*7.86*	
		For Galvanized Steel, Add	*27.06*	
05 12 23 00-0652	LF	2" Carbon Steel Rounds, ASTM A108	55.40	
		For 304 Stainless Steel, Add	*138.40*	
		For 316 Stainless Steel, Add	*155.39*	
		For Aluminum, Add	*8.74*	
		For Galvanized Steel, Add	*30.11*	
05 12 23 00-0653	LF	2-1/8" Carbon Steel Rounds, ASTM A108	63.94	
		For 304 Stainless Steel, Add	*158.03*	
		For 316 Stainless Steel, Add	*177.44*	
		For Aluminum, Add	*9.98*	
		For Galvanized Steel, Add	*34.38*	
05 12 23 00-0654	LF	2-1/4" Carbon Steel Rounds, ASTM A108	72.12	
		For 304 Stainless Steel, Add	*177.70*	
		For 316 Stainless Steel, Add	*199.52*	
		For Aluminum, Add	*11.22*	
		For Galvanized Steel, Add	*38.66*	
05 12 23 00-0655	LF	2-3/8" Carbon Steel Rounds, ASTM A108	82.54	
		For 304 Stainless Steel, Add	*203.23*	
		For 316 Stainless Steel, Add	*228.19*	
		For Aluminum, Add	*12.84*	
		For Galvanized Steel, Add	*44.21*	
05 12 23 00-0656	LF	2-1/2" Carbon Steel Rounds, ASTM A108	90.05	
		For 304 Stainless Steel, Add	*219.05*	
		For 316 Stainless Steel, Add	*245.95*	
		For Aluminum, Add	*13.83*	
		For Galvanized Steel, Add	*47.65*	
05 12 23 00-0657	LF	2-5/8" Carbon Steel Rounds, ASTM A108	112.27	
		For 304 Stainless Steel, Add	*278.22*	
		For 316 Stainless Steel, Add	*312.38*	
		For Aluminum, Add	*17.57*	
		For Galvanized Steel, Add	*60.52*	
05 12 23 00-0658	LF	2-3/4" Carbon Steel Rounds, ASTM A108	127.94	
		For 304 Stainless Steel, Add	*317.29*	
		For 316 Stainless Steel, Add	*356.26*	
		For Aluminum, Add	*20.04*	
		For Galvanized Steel, Add	*69.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0659	LF	2-7/8 Carbon Steel Rounds, ASTM A108	142.63	
		For 304 Stainless Steel, Add	*353.57*	
		For 316 Stainless Steel, Add	*396.99*	
		For Aluminum, Add	*22.33*	
		For Galvanized Steel, Add	*76.92*	
05 12 23 00-0660	LF	3" Carbon Steel Rounds, ASTM A108	148.30	
		For 304 Stainless Steel, Add	*364.17*	
		For 316 Stainless Steel, Add	*408.90*	
		For Aluminum, Add	*23.00*	
		For Galvanized Steel, Add	*79.22*	
05 12 23 00-0661	LF	3-1/8" Carbon Steel Rounds, ASTM A108	153.09	
		For 304 Stainless Steel, Add	*372.27*	
		For 316 Stainless Steel, Add	*417.98*	
		For Aluminum, Add	*23.51*	
		For Galvanized Steel, Add	*80.98*	
05 12 23 00-0662	LF	3-1/4" Carbon Steel Rounds, ASTM A108	160.38	
		For 304 Stainless Steel, Add	*387.46*	
		For 316 Stainless Steel, Add	*435.04*	
		For Aluminum, Add	*24.47*	
		For Galvanized Steel, Add	*84.29*	
05 12 23 00-0663	LF	3-1/2" Carbon Steel Rounds, ASTM A108	199.36	
		For 304 Stainless Steel, Add	*491.60*	
		For 316 Stainless Steel, Add	*551.97*	
		For Aluminum, Add	*31.05*	
		For Galvanized Steel, Add	*106.94*	
05 12 23 00-0664	LF	3-5/8" Carbon Steel Rounds, ASTM A108	222.27	
		For 304 Stainless Steel, Add	*549.94*	
		For 316 Stainless Steel, Add	*617.47*	
		For Aluminum, Add	*34.73*	
		For Galvanized Steel, Add	*119.64*	
05 12 23 00-0665	LF	3-3/4" Carbon Steel Rounds, ASTM A108	238.17	
		For 304 Stainless Steel, Add	*588.27*	
		For 316 Stainless Steel, Add	*660.51*	
		For Aluminum, Add	*37.15*	
		For Galvanized Steel, Add	*127.97*	
05 12 23 00-0666	LF	4" Carbon Steel Rounds, ASTM A108	269.21	
		For 304 Stainless Steel, Add	*669.78*	
		For 316 Stainless Steel, Add	*752.03*	
		For Aluminum, Add	*42.30*	
		For Galvanized Steel, Add	*145.71*	

05 12 23 00-0667 Square Stock *(05 12 23 00-0419)*

05 12 23 00-0668	LF	3/8" Square Bar Stock	1.27	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
05 12 23 00-0669	LF	1/2" Square Bar Stock	1.87	
		For 304 Stainless Steel, Add	*3.56*	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
05 12 23 00-0670	LF	5/8" Square Bar Stock	2.65	
		For 304 Stainless Steel, Add	*5.59*	
		For 316 Stainless Steel, Add	*6.27*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.22*	
05 12 23 00-0671	LF	3/4" Square Bar Stock	3.66	
		For 304 Stainless Steel, Add	*8.07*	
		For 316 Stainless Steel, Add	*9.06*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
05 12 23 00-0672	LF	7/8" Square Bar Stock	4.90	
		For 304 Stainless Steel, Add	*11.26*	
		For 316 Stainless Steel, Add	*12.64*	
		For Aluminum, Add	*0.71*	
		For Galvanized Steel, Add	*2.45*	
05 12 23 00-0673	LF	1" Square Bar Stock	6.17	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.12*	
05 12 23 00-0674	LF	1-1/4" Square Bar Stock	9.64	
		For 304 Stainless Steel, Add	*22.43*	
		For 316 Stainless Steel, Add	*25.18*	
		For Aluminum, Add	*1.42*	
		For Galvanized Steel, Add	*4.88*	
05 12 23 00-0675	LF	1-1/2" Square Bar Stock	13.81	
		For 304 Stainless Steel, Add	*32.29*	
		For 316 Stainless Steel, Add	*36.26*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.02*	
05 12 23 00-0676	LF	1-3/4" Square Bar Stock	19.89	
		For 304 Stainless Steel, Add	*44.92*	
		For 316 Stainless Steel, Add	*50.43*	
		For Aluminum, Add	*2.84*	
		For Galvanized Steel, Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0677	LF	2" Square Bar Stock	27.10	
		For 304 Stainless Steel, Add	*57.46*	
		For 316 Stainless Steel, Add	*64.51*	
		For Aluminum, Add	*3.63*	
		For Galvanized Steel, Add	*12.50*	

05 12 23 00-0678 Steel Tubing *(05 12 23 00-0419)*

Note: General purpose low-carbon steel.

05 12 23 00-0679 Square Steel Tubing *(05 12 23 00-0678)*

05 12 23 00-0680 0.06" Wall Thickness *(05 12 23 00-0679)*

05 12 23 00-0681	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.21	0.27
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000, Deduct	*-0.26*	
		For 304 Stainless Steel, Add	*5.27*	
		For 316 Stainless Steel, Add	*5.92*	
		For Aluminum, Add	*0.33*	
05 12 23 00-0682	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	3.38	0.42
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000, Deduct	*-0.39*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
05 12 23 00-0683	LF	1" x 1" x 0.06" Square Steel Tubing	4.53	0.76
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For 304 Stainless Steel, Add	*10.74*	
		For 316 Stainless Steel, Add	*12.06*	
		For Aluminum, Add	*0.68*	
05 12 23 00-0684	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	6.04	0.73
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*14.48*	
		For 316 Stainless Steel, Add	*16.26*	
		For Aluminum, Add	*0.91*	
05 12 23 00-0685	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	7.14	0.87
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.83*	
		For 304 Stainless Steel, Add	*17.01*	
		For 316 Stainless Steel, Add	*19.10*	
		For Aluminum, Add	*1.07*	

05 12 23 00-0686 0.083" Wall Thickness *(05 12 23 00-0679)*

05 12 23 00-0687	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	3.93	0.49
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.46*	
		For 304 Stainless Steel, Add	*9.32*	
		For 316 Stainless Steel, Add	*10.46*	
		For Aluminum, Add	*0.59*	
05 12 23 00-0688	LF	1" x 1" x 0.083" Square Steel Tubing	5.80	0.68
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-0.67*	
		For 304 Stainless Steel, Add	*13.97*	
		For 316 Stainless Steel, Add	*15.68*	
		For Aluminum, Add	*0.88*	
05 12 23 00-0689	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	6.93	0.86
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*16.47*	
		For 316 Stainless Steel, Add	*18.50*	
		For Aluminum, Add	*1.04*	
05 12 23 00-0690	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	8.36	1.05
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*19.86*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0691	LF	2" x 2" x 0.083" Square Steel Tubing	10.63	1.38
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.25*	
		For 304 Stainless Steel, Add	*25.02*	
		For 316 Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
05 12 23 00-0692		0.12" Wall Thickness *(05 12 23 00-0679)*		
05 12 23 00-0693	LF	1" x 1" x 0.12" Square Steel Tubing	6.29	0.80
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.74*	
		For 304 Stainless Steel, Add	*14.88*	
		For 316 Stainless Steel, Add	*16.70*	
		For Aluminum, Add	*0.94*	
05 12 23 00-0694	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	8.10	1.02
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.95*	
		For 304 Stainless Steel, Add	*19.18*	
		For 316 Stainless Steel, Add	*21.54*	
		For Aluminum, Add	*1.21*	
05 12 23 00-0695	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	9.96	1.26
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*23.60*	
		For 316 Stainless Steel, Add	*26.50*	
		For Aluminum, Add	*1.49*	
05 12 23 00-0696	LF	2" x 2" x 0.12" Square Steel Tubing	13.47	1.71
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.58*	
		For 304 Stainless Steel, Add	*31.86*	
		For 316 Stainless Steel, Add	*35.78*	
		For Aluminum, Add	*2.01*	
05 12 23 00-0697		1/8" Wall Thickness *(05 12 23 00-0679)*		
05 12 23 00-0698	LF	2" x 2" x 1/8" Square Steel Tubing	11.70	1.78
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000, Deduct	*-1.41*	
		For 304 Stainless Steel, Add	*26.56*	
		For 316 Stainless Steel, Add	*29.82*	
		For Aluminum, Add	*1.68*	
05 12 23 00-0699	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	15.59	2.25
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.86*	
		For 304 Stainless Steel, Add	*35.88*	
		For 316 Stainless Steel, Add	*40.29*	
		For Aluminum, Add	*2.27*	
05 12 23 00-0700	LF	3" x 3" x 1/8" Square Steel Tubing	18.11	2.73
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.18*	
		For 304 Stainless Steel, Add	*41.24*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
05 12 23 00-0701	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	20.91	3.21
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.52*	
		For 304 Stainless Steel, Add	*47.42*	
		For 316 Stainless Steel, Add	*53.25*	
		For Aluminum, Add	*3.00*	
05 12 23 00-0702	LF	4" x 4" x 1/8" Square Steel Tubing	22.77	3.68
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-2.77*	
		For 304 Stainless Steel, Add	*50.93*	
		For 316 Stainless Steel, Add	*57.18*	
		For Aluminum, Add	*3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0703		**3/16" Wall Thickness** *(05 12 23 00-0679)*		
05 12 23 00-0704	LF	2" x 2" x 3/16" Square Steel Tubing	13.28	2.01
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.60*	
		For 304 Stainless Steel, Add	*30.21*	
		For 316 Stainless Steel, Add	*33.92*	
		For Aluminum, Add	*1.91*	
05 12 23 00-0705	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	17.18	2.59
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.06*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
05 12 23 00-0706	LF	3" x 3" x 3/16" Square Steel Tubing	21.11	3.20
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
05 12 23 00-0707	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	25.06	3.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.01*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
05 12 23 00-0708	LF	4" x 4" x 3/16" Square Steel Tubing	28.96	4.38
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.48*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
05 12 23 00-0709	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	32.90	4.97
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.95*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
05 12 23 00-0710	LF	5" x 5" x 3/16" Square Steel Tubing	36.80	5.57
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.21*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.42*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	
05 12 23 00-0711	LF	6" x 6" x 3/16" Square Steel Tubing	44.68	6.75
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.37*	
		For 304 Stainless Steel, Add	*101.66*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
05 12 23 00-0712		**1/4" Wall Thickness** *(05 12 23 00-0679)*		
05 12 23 00-0713	LF	2" x 2" x 1/4" Square Steel Tubing	14.41	2.01
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.71*	
		For 304 Stainless Steel, Add	*33.40*	
		For 316 Stainless Steel, Add	*37.50*	
		For Aluminum, Add	*2.11*	
05 12 23 00-0714	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	18.93	2.64
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.25*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0715	LF	3" x 3" x 1/4" Square Steel Tubing	23.46	3.28
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-2.78*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
05 12 23 00-0716	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	27.98	3.91
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.32*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
05 12 23 00-0717	LF	4" x 4" x 1/4" Square Steel Tubing	32.51	4.54
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-3.86*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
05 12 23 00-0718	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	37.04	5.18
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-4.39*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
05 12 23 00-0719	LF	5" x 5" x 1/4" Square Steel Tubing	41.59	5.81
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.47*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-4.93*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	
05 12 23 00-0720	LF	6" x 6" x 1/4" Square Steel Tubing	50.64	7.07
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000, Deduct	*-6.01*	
		For 304 Stainless Steel, Add	*117.45*	
		For 316 Stainless Steel, Add	*131.87*	
		For Aluminum, Add	*7.42*	

05 12 23 00-0721 Rectangular Steel Tubing *(05 12 23 00-0678)*

05 12 23 00-0722 3/16" Wall Thickness *(05 12 23 00-0721)*

05 12 23 00-0723	LF	3" x 2" x 3/16" Square Steel Tubing	17.18	2.59
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.06*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
05 12 23 00-0724	LF	4" x 2" x 3/16" Square Steel Tubing	21.11	3.20
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
05 12 23 00-0725	LF	4" x 3" x 3/16" Square Steel Tubing	25.06	3.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.01*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
05 12 23 00-0726	LF	5" x 2" x 3/16" Square Steel Tubing	25.06	3.79
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.01*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	5" x 3" x 3/16" Square Steel Tubing	28.96	4.38
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.48*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
05 12 23 00-0728	LF	5" x 4" x 3/16" Square Steel Tubing	32.90	4.97
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.95*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
05 12 23 00-0729	LF	6" x 2" x 3/16" Square Steel Tubing	28.96	4.38
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-3.48*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
05 12 23 00-0730	LF	6" x 3" x 3/16" Square Steel Tubing	32.90	4.97
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.95*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
05 12 23 00-0731	LF	6" x 4" x 3/16" Square Steel Tubing	36.80	5.57
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.21*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-4.42*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	

05 12 23 00-0732 1/4" Wall Thickness *(05 12 23 00-0721)*

05 12 23 00-0733	LF	3" x 2" x 1/4" Square Steel Tubing	18.93	2.64
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.68*	
		For >1,000, Deduct	*-2.25*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
05 12 23 00-0734	LF	4" x 2" x 1/4" Square Steel Tubing	23.46	3.28
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-2.78*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
05 12 23 00-0735	LF	4" x 3" x 1/4" Square Steel Tubing	27.98	3.91
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.32*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
05 12 23 00-0736	LF	5" x 2" x 1/4" Square Steel Tubing	27.98	3.91
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.32*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
05 12 23 00-0737	LF	5" x 3" x 1/4" Square Steel Tubing	32.51	4.54
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-3.86*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0738	LF	5" x 4" x 1/4" Square Steel Tubing	37.04	5.18
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-4.39*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
05 12 23 00-0739	LF	6" x 2" x 1/4" Square Steel Tubing	32.51	4.54
		For >100 To 250, Deduct	*-1.12*	
		For >250 To 500, Deduct	*-1.93*	
		For >500 To 1,000, Deduct	*-2.89*	
		For >1,000, Deduct	*-3.86*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
05 12 23 00-0740	LF	6" x 3" x 1/4" Square Steel Tubing	37.04	5.18
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.20*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-4.39*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
05 12 23 00-0741	LF	6" x 4" x 1/4" Square Steel Tubing	41.59	5.81
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.47*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-4.93*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	

05 12 23 00-0742 Round Steel Tubing *(05 12 23 00-0678)*

05 12 23 00-0743 0.065" Wall Thickness *(05 12 23 00-0742)*

05 12 23 00-0744	LF	1" Diameter x 0.065" Round Steel Tubing	3.94	0.48
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.46*	
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
05 12 23 00-0745	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.00	0.61
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000, Deduct	*-0.58*	
		For 304 Stainless Steel, Add	*11.91*	
		For 316 Stainless Steel, Add	*13.38*	
		For Aluminum, Add	*0.75*	
05 12 23 00-0746	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	6.04	0.74
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*14.42*	
		For 316 Stainless Steel, Add	*16.19*	
		For Aluminum, Add	*0.91*	
05 12 23 00-0747	LF	2" Diameter x 0.065" Round Steel Tubing	8.15	0.99
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.95*	
		For 304 Stainless Steel, Add	*19.44*	
		For 316 Stainless Steel, Add	*21.82*	
		For Aluminum, Add	*1.23*	
05 12 23 00-0748	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	10.25	1.26
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.19*	
		For 304 Stainless Steel, Add	*24.45*	
		For 316 Stainless Steel, Add	*27.46*	
		For Aluminum, Add	*1.54*	
05 12 23 00-0749	LF	3" Diameter x 0.065" Round Steel Tubing	12.36	1.52
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.44*	
		For 304 Stainless Steel, Add	*29.47*	
		For 316 Stainless Steel, Add	*33.09*	
		For Aluminum, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0750	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	14.47	1.77
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000, Deduct	*-1.68*	
		For 304 Stainless Steel, Add	*34.49*	
		For 316 Stainless Steel, Add	*38.72*	
		For Aluminum, Add	*2.18*	
05 12 23 00-0751	LF	4" Diameter x 0.065" Round Steel Tubing	16.58	2.03
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-1.45*	
		For >1,000, Deduct	*-1.93*	
		For 304 Stainless Steel, Add	*39.53*	
		For 316 Stainless Steel, Add	*44.38*	
		For Aluminum, Add	*2.50*	

05 12 23 00-0752 0.083" Wall Thickness *(05 12 23 00-0742)*

05 12 23 00-0753	LF	1" Diameter x 0.083" Round Steel Tubing	4.27	0.53
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000, Deduct	*-0.50*	
		For 304 Stainless Steel, Add	*10.15*	
		For 316 Stainless Steel, Add	*11.39*	
		For Aluminum, Add	*0.64*	
05 12 23 00-0754	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	5.44	0.68
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.63*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.53*	
		For Aluminum, Add	*0.82*	
05 12 23 00-0755	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	6.60	0.82
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000, Deduct	*-0.77*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
05 12 23 00-0756	LF	2" Diameter x 0.083" Round Steel Tubing	8.93	1.11
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
05 12 23 00-0757	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	11.26	1.39
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.31*	
		For 304 Stainless Steel, Add	*26.79*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
05 12 23 00-0758	LF	3" Diameter x 0.083" Round Steel Tubing	13.58	1.68
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000, Deduct	*-1.58*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
05 12 23 00-0759	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	15.90	1.97
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000, Deduct	*-1.85*	
		For 304 Stainless Steel, Add	*37.85*	
		For 316 Stainless Steel, Add	*42.50*	
		For Aluminum, Add	*2.39*	
05 12 23 00-0760	LF	4" Diameter x 0.083" Round Steel Tubing	18.23	2.25
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.12*	
		For 304 Stainless Steel, Add	*43.38*	
		For 316 Stainless Steel, Add	*48.70*	
		For Aluminum, Add	*2.74*	

05 12 23 00-0761 0.125" Wall Thickness *(05 12 23 00-0742)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0762	LF	2" Diameter x 0.125" Round Steel Tubing	9.18	1.39
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.11*	
		For 304 Stainless Steel, Add	*20.83*	
		For 316 Stainless Steel, Add	*23.39*	
		For Aluminum, Add	*1.32*	
05 12 23 00-0763	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	11.62	1.77
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.40*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
05 12 23 00-0764	LF	3" Diameter x 0.125" Round Steel Tubing	14.06	2.14
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.69*	
		For 304 Stainless Steel, Add	*31.95*	
		For 316 Stainless Steel, Add	*35.87*	
		For Aluminum, Add	*2.02*	
05 12 23 00-0765	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	16.51	2.51
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-1.99*	
		For 304 Stainless Steel, Add	*37.51*	
		For 316 Stainless Steel, Add	*42.11*	
		For Aluminum, Add	*2.37*	
05 12 23 00-0766	LF	4" Diameter x 0.125" Round Steel Tubing	18.95	2.88
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.28*	
		For 304 Stainless Steel, Add	*43.06*	
		For 316 Stainless Steel, Add	*48.35*	
		For Aluminum, Add	*2.72*	
05 12 23 00-0767		Flat Steel Bar *(05 12 23 00-0419)*		
05 12 23 00-0768		1/8" Thick *(05 12 23 00-0767)*		
05 12 23 00-0769	LF	1/8" Thick x 1" Wide Flat Steel Bar	2.14	0.70
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
05 12 23 00-0770	LF	1/8" Thick x 2" Wide Flat Steel Bar	3.37	1.05
		For 304 Stainless Steel, Add	*5.16*	
		For 316 Stainless Steel, Add	*5.79*	
		For Aluminum, Add	*0.33*	
05 12 23 00-0771	LF	1/8" Thick x 4" Wide Flat Steel Bar	5.49	1.47
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
05 12 23 00-0772	LF	1/8" Thick x 6" Wide Flat Steel Bar	7.44	1.99
		For 304 Stainless Steel, Add	*12.68*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
05 12 23 00-0773		3/16" Thick *(05 12 23 00-0767)*		
05 12 23 00-0774	LF	3/16" Thick x 1" Wide Flat Steel Bar	2.95	0.86
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
05 12 23 00-0775	LF	3/16" Thick x 2" Wide Flat Steel Bar	4.81	1.29
		For 304 Stainless Steel, Add	*8.15*	
		For 316 Stainless Steel, Add	*9.15*	
		For Aluminum, Add	*0.51*	
05 12 23 00-0776	LF	3/16" Thick x 4" Wide Flat Steel Bar	7.06	1.49
		For 304 Stainless Steel, Add	*13.77*	
		For 316 Stainless Steel, Add	*15.46*	
		For Aluminum, Add	*0.87*	
05 12 23 00-0777	LF	3/16" Thick x 6" Wide Flat Steel Bar	9.77	2.06
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*21.34*	
		For Aluminum, Add	*1.20*	
05 12 23 00-0778		1/4" Thick *(05 12 23 00-0767)*		
05 12 23 00-0779	LF	1/4" Thick x 1" Wide Flat Steel Bar	3.01	0.91
		For 304 Stainless Steel, Add	*4.67*	
		For 316 Stainless Steel, Add	*5.25*	
		For Aluminum, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0780	LF	1/4" Thick x 2" Wide Flat Steel Bar	5.36	1.37
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
05 12 23 00-0781	LF	1/4" Thick x 4" Wide Flat Steel Bar	8.76	1.56
		For 304 Stainless Steel, Add	*18.27*	
		For 316 Stainless Steel, Add	*20.51*	
		For Aluminum, Add	*1.15*	
05 12 23 00-0782	LF	1/4" Thick x 6" Wide Flat Steel Bar	12.56	2.31
		For 304 Stainless Steel, Add	*25.91*	
		For 316 Stainless Steel, Add	*29.09*	
		For Aluminum, Add	*1.64*	
05 12 23 00-0783		**3/8" Thick** *(05 12 23 00-0767)*		
05 12 23 00-0784	LF	3/8" Thick x 1" Wide Flat Steel Bar	4.11	1.02
		For 304 Stainless Steel, Add	*7.32*	
		For 316 Stainless Steel, Add	*8.22*	
		For Aluminum, Add	*0.46*	
05 12 23 00-0785	LF	3/8" Thick x 2" Wide Flat Steel Bar	7.05	1.54
		For 304 Stainless Steel, Add	*13.51*	
		For 316 Stainless Steel, Add	*15.17*	
		For Aluminum, Add	*0.85*	
05 12 23 00-0786	LF	3/8" Thick x 4" Wide Flat Steel Bar	12.11	1.75
		For 304 Stainless Steel, Add	*27.02*	
		For 316 Stainless Steel, Add	*30.34*	
		For Aluminum, Add	*1.71*	
05 12 23 00-0787	LF	3/8" Thick x 6" Wide Flat Steel Bar	17.25	2.59
		For 304 Stainless Steel, Add	*38.02*	
		For 316 Stainless Steel, Add	*42.69*	
		For Aluminum, Add	*2.40*	
05 12 23 00-0788		**1/2" Thick** *(05 12 23 00-0767)*		
05 12 23 00-0789	LF	1/2" Thick x 1" Wide Flat Steel Bar	4.98	1.13
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
05 12 23 00-0790	LF	1/2" Thick x 2" Wide Flat Steel Bar	8.59	1.69
		For 304 Stainless Steel, Add	*17.24*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
05 12 23 00-0791	LF	1/2" Thick x 4" Wide Flat Steel Bar	13.21	1.93
		For 304 Stainless Steel, Add	*29.38*	
		For 316 Stainless Steel, Add	*32.99*	
		For Aluminum, Add	*1.86*	
05 12 23 00-0792	LF	1/2" Thick x 6" Wide Flat Steel Bar	24.86	2.86
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
05 12 23 00-0793		**Flat Steel Plate** *(05 12 23 00-0419)*		
05 12 23 00-0794	SF	1/8" Thick Flat Steel Plate	12.25	2.99
		For 304 Stainless Steel, Add	*22.12*	
		For 316 Stainless Steel, Add	*24.83*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.81*	
05 12 23 00-0795	SF	3/16" Thick Flat Steel Plate	14.35	3.10
		For 304 Stainless Steel, Add	*27.67*	
		For 316 Stainless Steel, Add	*31.07*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.02*	
05 12 23 00-0796	SF	1/4" Thick Flat Steel Plate	17.59	3.46
		For 304 Stainless Steel, Add	*35.28*	
		For 316 Stainless Steel, Add	*39.62*	
		For Aluminum, Add	*2.23*	
		For Galvanized Steel, Add	*7.68*	
05 12 23 00-0797	SF	3/8" Thick Flat Steel Plate	25.28	3.90
		For 304 Stainless Steel, Add	*55.38*	
		For 316 Stainless Steel, Add	*62.18*	
		For Aluminum, Add	*3.50*	
		For Galvanized Steel, Add	*12.05*	
05 12 23 00-0798	SF	1/2" Thick Flat Steel Plate	30.64	4.28
		For 304 Stainless Steel, Add	*68.97*	
		For 316 Stainless Steel, Add	*77.44*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.00*	
05 12 23 00-0799	SF	3/4" Thick Flat Steel Plate	53.45	5.31
		For 304 Stainless Steel, Add	*129.39*	
		For 316 Stainless Steel, Add	*145.28*	
		For Aluminum, Add	*8.17*	
		For Galvanized Steel, Add	*28.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0800	SF	1" Thick Flat Steel Plate	72.22	6.64
		For 304 Stainless Steel, Add	*177.16*	
		For 316 Stainless Steel, Add	*198.91*	
		For Aluminum, Add	*11.19*	
		For Galvanized Steel, Add	*38.54*	

05 12 33 Structural Steel for Bridges *(05 12)*

See CSI section 05 12 23 00-0000 for structural steel, 34 05 43 00-0392 for bridge girder repair.

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	10.96	0.48
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	9.59	0.44

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.28	1.95
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	16.48	1.95

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	14.10	1.04
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	9.67	1.65
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	12.47	1.80
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	14.18	2.10
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	17.86	2.25
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	67.13	2.86
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	54.11	2.56

05 14 13 00-0015 Columns *(05 14 13)*

Note: Baked on paint finish, load bearing.

05 14 13 00-0016 Round Columns *(05 14 13 00-0015)*

05 14 13 00-0017	LF	6" Diameter Aluminum Column	58.39	3.28
05 14 13 00-0018	LF	8" Diameter Aluminum Column	77.71	4.69
05 14 13 00-0019	LF	10" Diameter Aluminum Column	96.81	5.28
05 14 13 00-0020	LF	12" Diameter Aluminum Column	155.81	5.52
05 14 13 00-0021	LF	15" Diameter Aluminum Column	201.65	6.40
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	116.74	6.11
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	135.34	6.60
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	175.21	7.33
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	324.15	7.82
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	511.35	8.55

05 14 13 00-0027 Octagonal Columns *(05 14 13 00-0015)*

05 14 13 00-0028	LF	6" Diameter Aluminum Column	68.07	3.28
05 14 13 00-0029	LF	8" Diameter Aluminum Column	91.38	4.69
05 14 13 00-0030	LF	10" Diameter Aluminum Column	114.06	5.28
05 14 13 00-0031	LF	12" Diameter Aluminum Column	184.78	5.52
05 14 13 00-0032	LF	15" Diameter Aluminum Column	239.43	6.40
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	137.64	6.11
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	159.77	6.60
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	207.32	7.33
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	385.85	7.82
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	610.20	8.55

05 14 13 00-0038 Fluted Columns *(05 14 13 00-0015)*

05 14 13 00-0039	LF	6" Diameter Aluminum Column	77.30	3.28
05 14 13 00-0040	LF	8" Diameter Aluminum Column	103.67	4.69
05 14 13 00-0041	LF	10" Diameter Aluminum Column	129.59	5.28
05 14 13 00-0042	LF	12" Diameter Aluminum Column	210.84	5.52
05 14 13 00-0043	LF	15" Diameter Aluminum Column	273.43	6.40
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	156.46	6.11
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	181.75	6.60
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	236.22	7.33
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	441.38	7.82
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	699.17	8.55

05 14 13 00-0049 Square Columns *(05 14 13 00-0015)*

05 14 13 00-0050	LF	6" Aluminum Column	83.62	3.28
05 14 13 00-0051	LF	8" Aluminum Column	112.08	4.69
05 14 13 00-0052	LF	10" Aluminum Column	140.21	5.28
05 14 13 00-0053	LF	12" Aluminum Column	228.67	5.52
05 14 13 00-0054	LF	15" Aluminum Column	296.68	6.40
05 14 13 00-0055	EA	6" Aluminum Base And Cap	169.32	6.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0056	EA	8" Aluminum Base And Cap	196.79	6.60
05 14 13 00-0057	EA	10" Aluminum Base And Cap	255.98	7.33
05 14 13 00-0058	EA	12" Aluminum Base And Cap	479.36	7.82
05 14 13 00-0059	EA	15" Aluminum Base And Cap	760.01	8.55

05 14 13 00-0060 Ornamental Or Decorative Cap And Bases *(05 14 13 00-0015)*

05 14 13 00-0061	EA	8" Corinthian Capital And Base	1,078.72	7.33
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,597.28	8.55
05 14 13 00-0063	EA	12" Corinthian Capital And Base	2,543.30	9.77
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	519.40	7.33
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	701.46	8.55
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,443.76	9.77

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.51	0.05
		For >500, Deduct	*-0.29*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.99	0.05
		For >500, Deduct	*-0.37*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.32	0.10
		For >500, Deduct	*-0.43*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.74	0.10
		For >500, Deduct	*-0.50*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.09	0.15
		For >500, Deduct	*-0.55*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.76	0.19
		For >500, Deduct	*-0.67*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.47	0.19
		For >500, Deduct	*-0.79*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.14	0.35
		For >500, Deduct	*-1.07*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.22	0.40
		For >500, Deduct	*-1.43*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.11	0.54
		For >500, Deduct	*-1.74*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.48	0.70
		For >500, Deduct	*-2.15*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.19	0.84
		For >500, Deduct	*-2.61*	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.80	0.05
		For >500, Deduct	*-0.34*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.29	0.05
		For >500, Deduct	*-0.43*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.80	0.10
		For >500, Deduct	*-0.52*	
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.11	0.10
		For >500, Deduct	*-0.57*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.63	0.15
		For >500, Deduct	*-0.66*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.11	0.19
		For >500, Deduct	*-0.74*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.76	0.19
		For >500, Deduct	*-0.84*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.01	0.35
		For >500, Deduct	*-1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.86	0.40
		For >500, Deduct	*-1.56*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.78	0.54
		For >500, Deduct	*-1.88*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.79	0.70
		For >500, Deduct	*-2.40*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	16.83	0.84
		For >500, Deduct	*-2.94*	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.39	0.05
		For >500, Deduct	*-0.26*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.86	0.05
		For >500, Deduct	*-0.35*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.16	0.10
		For >500, Deduct	*-0.39*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.47	0.10
		For >500, Deduct	*-0.44*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.92	0.15
		For >500, Deduct	*-0.52*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.69	0.19
		For >500, Deduct	*-0.65*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.25	0.19
		For >500, Deduct	*-0.74*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.94	0.35
		For >500, Deduct	*-1.03*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	7.08	0.40
		For >500, Deduct	*-1.20*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.91	0.54
		For >500, Deduct	*-1.50*	

05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.37	0.05
		For >500, Deduct	*-0.26*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.78	0.05
		For >500, Deduct	*-0.33*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.16	0.10
		For >500, Deduct	*-0.39*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.47	0.10
		For >500, Deduct	*-0.44*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.07	0.15
		For >500, Deduct	*-0.55*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.61	0.19
		For >500, Deduct	*-0.64*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.54	0.19
		For >500, Deduct	*-0.80*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.29	0.35
		For >500, Deduct	*-1.10*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.15	0.40
		For >500, Deduct	*-1.42*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.92	0.54
		For >500, Deduct	*-1.71*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.49	0.10
		For >500, Deduct	*-0.46*	
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.85	0.10
		For >500, Deduct	*-0.52*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.26	0.15
		For >500, Deduct	*-0.58*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.44	0.19
		For >500, Deduct	*-0.80*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.80	0.19
		For >500, Deduct	*-0.85*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	6.47	0.35
		For >500, Deduct	*-1.14*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.18	0.40
		For >500, Deduct	*-1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.79	0.54
		For >500, Deduct	*-1.88*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.99	0.70
		For >500, Deduct	*-2.25*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	15.62	0.84
		For >500, Deduct	*-2.70*	
05 15 16 00-0060		**6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope** *(05 15 16)*		
05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.57	0.10
		For >500, Deduct	*-0.48*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.05	0.10
		For >500, Deduct	*-0.56*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.54	0.15
		For >500, Deduct	*-0.64*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.02	0.19
		For >500, Deduct	*-0.92*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.89	0.19
		For >500, Deduct	*-0.87*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	6.66	0.35
		For >500, Deduct	*-1.17*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.77	0.40
		For >500, Deduct	*-1.54*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.98	0.54
		For >500, Deduct	*-1.91*	
05 15 16 00-0069		**19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope** *(05 15 16)*		
05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.84	0.05
		For >500, Deduct	*-0.55*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.00	0.05
		For >500, Deduct	*-0.57*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.49	0.10
		For >500, Deduct	*-0.66*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.66	0.10
		For >500, Deduct	*-0.88*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.38	0.10
		For >500, Deduct	*-1.02*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.97	0.19
		For >500, Deduct	*-1.11*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.08	0.19
		For >500, Deduct	*-1.31*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	9.69	0.30
		For >500, Deduct	*-1.79*	
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.24	0.03
		For >500, Deduct	*-0.04*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.27	0.04
		For >500, Deduct	*-0.04*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.30	0.04
		For >500, Deduct	*-0.05*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.36	0.05
		For >500, Deduct	*-0.06*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.45	0.05
		For >500, Deduct	*-0.07*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.48	0.04
		For >500, Deduct	*-0.08*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.52	0.05
		For >500, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.59	0.05
		For >500, Deduct	*-0.10*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.73	0.05
		For >500, Deduct	*-0.13*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.10	0.05
		For >500, Deduct	*-0.19*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.46	0.05
		For >500, Deduct	*-0.25*	
05 15 16 00-0091		**Heavy-Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	8.37	1.49
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	10.48	1.49
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	12.82	1.49
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.25	1.49
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.28	1.49
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.28	1.49
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	21.46	1.49
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	41.32	2.28
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	48.24	2.78
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	87.92	4.56
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	128.05	6.20
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	128.05	6.20
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	11.77	1.49
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	12.19	1.49
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	15.07	1.49
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	15.52	1.49
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	16.17	1.49
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	22.36	1.49
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	22.83	1.49
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	27.10	1.49
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	27.75	1.49
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	36.96	1.98
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	54.17	2.97
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	61.03	2.97
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	69.81	3.97
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	101.09	5.94
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	97.91	1.49
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	159.68	1.49
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	161.64	1.98
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	190.04	2.48
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	190.04	2.48
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	266.62	5.45
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	266.62	5.45
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	320.99	10.41
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	427.81	14.87
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	589.60	22.80
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	737.67	35.70
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	858.35	41.15
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	77.23	1.49
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	107.31	1.49
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	107.31	1.49
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	132.35	1.98
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	132.90	1.98
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	176.50	3.47
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	178.86	3.97
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	214.36	6.45
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	269.73	9.42
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	386.34	12.89
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	469.15	17.84
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	613.69	27.77
05 15 16 00-0145		**Galvanized Steel, Open Spelter Sockets** *(05 15 16)*		
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	169.21	1.49
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	171.30	1.49
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	171.30	1.49
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	184.68	2.97
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	184.68	2.97
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	234.77	4.96
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	234.77	4.96
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	289.49	7.44
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	425.79	12.39
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	796.33	19.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	881.77	31.23
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,195.48	41.15

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets *(05 15 16)*

05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	140.60	1.49
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	140.99	1.49
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	140.99	1.49
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	152.75	2.48
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	152.75	2.48
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	206.68	4.46
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	206.68	4.46
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	245.34	6.45
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	355.74	9.91
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	533.94	15.36
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	696.60	20.83
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	868.01	27.77

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles *(05 15 16)*

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	94.23	1.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.39*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	101.66	1.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.51*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	115.41	1.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.57*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	123.23	1.98
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.24*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	163.24	2.48
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.94*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	185.10	2.97
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.97*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	183.28	3.97
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.20*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	230.66	3.97
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-32.12*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	263.65	4.46
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.89*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	246.27	5.45
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-33.78*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	276.90	6.45
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-37.62*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	348.46	6.94
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-48.02*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	419.03	8.42
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-57.73*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	463.08	11.90
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-62.38*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	565.33	13.88
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-76.54*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	484.12	11.90
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-65.54*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	540.66	15.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-71.80*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	755.88	19.33
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-101.94*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	837.16	22.80
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-112.05*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	916.56	27.77
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-120.96*	
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,121.80	31.23
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-149.68*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,484.71	35.70
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,447.06	38.17
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-194.18*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,541.37	49.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	2,958.30	64.45
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-406.56*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	4,702.96	123.93
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-631.08*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	15.97
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	16.07
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	18.87
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.84
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	22.71
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	32.70
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	40.82
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	57.00
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	79.36
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	118.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	141.74	
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	265.22	
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	304.92	
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	379.07	

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.70	
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	19.72	
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.17	
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.39	
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.86	
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.10	
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	40.45	
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.13	
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.52	
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.65	
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.54	
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.00	
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.77	
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.40	
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.99	
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	55.66	
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	47.97	
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.94	
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.86	
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	52.40	
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	45.78	
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.49	
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	69.24	
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	80.96	
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	65.40	
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	65.87	
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	67.17	
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	74.95	
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	81.32	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	96.48	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	129.84	

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.20	0.03
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.26	0.04
		For >500, Deduct	*-0.04*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.35	0.04
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.49	0.05
		For >500, Deduct	*-0.08*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.61	0.05
		For >500, Deduct	*-0.10*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.41	0.04
		For >500, Deduct	*-0.07*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.49	0.05
		For >500, Deduct	*-0.08*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.57	0.05
		For >500, Deduct	*-0.10*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.77	0.05
		For >500, Deduct	*-0.14*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.17	0.05
		For >500, Deduct	*-0.21*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.78	0.10
		For >500, Deduct	*-0.32*	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.20	0.03
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.26	0.04
		For >500, Deduct	*-0.04*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.35	0.04
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.49	0.05
		For >500, Deduct	*-0.08*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.61	0.05
		For >500, Deduct	*-0.10*	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.41	0.04
		For >500, Deduct	*-0.07*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.49	0.05
		For >500, Deduct	*-0.08*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.57	0.05
		For >500, Deduct	*-0.10*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.77	0.05
		For >500, Deduct	*-0.14*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.17	0.05
		For >500, Deduct	*-0.21*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.78	0.05
		For >500, Deduct	*-0.32*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001 Open Web Joists *(05 21 19)*

05 21 19 00-0002	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,400.69	97.29
		For Welded Cross Bridging, Add	*121.62*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*239.43*	
05 21 19 00-0003	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,213.12	91.21
		For Welded Cross Bridging, Add	*108.11*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*222.33*	
05 21 19 00-0004	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,722.32	91.21
		For Welded Cross Bridging, Add	*112.27*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*281.77*	
05 21 19 00-0005	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,139.76	91.21
		For Welded Cross Bridging, Add	*112.27*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*331.86*	
05 21 19 00-0006	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,701.33	91.21
		For Welded Cross Bridging, Add	*121.62*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*275.51*	
05 21 19 00-0007	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,505.02	91.21
		For Welded Cross Bridging, Add	*112.27*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*375.70*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	2.87	0.23
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.74*	
		For Up To 100, Add	*0.54*	
		For >100 To 500, Add	*0.37*	
		For >500 To 1,500, Add	*0.07*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.27	0.26
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*0.84*	
		For Up To 100, Add	*0.62*	
		For >100 To 500, Add	*0.43*	
		For >500 To 1,500, Add	*0.08*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.11	0.32
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.06*	
		For Up To 100, Add	*0.76*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.10*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.14	0.25
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*0.81*	
		For Up To 100, Add	*0.59*	
		For >100 To 500, Add	*0.41*	
		For >500 To 1,500, Add	*0.08*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.62	0.29
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*0.93*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.47*	
		For >500 To 1,500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.57	0.35
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.17*	
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.11*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.59	0.27
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*0.92*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.46*	
		For >500 To 1,500, Add	*0.08*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.18	0.31
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.07*	
		For Up To 100, Add	*0.76*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.10*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.19	0.34
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.33*	
		For Up To 100, Add	*0.91*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.11*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	6.62	0.37
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*1.69*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.12*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.04	0.28
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.03*	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.51*	
		For >500 To 1,500, Add	*0.09*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.72	0.32
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.21*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.10*	
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.90	0.39
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.51*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.12*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.45	0.48
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*1.90*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.92*	
		For >500 To 1,500, Add	*0.15*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.33	
		For Painted, Deduct	*-0.55*	
		For Perforated Or Slotted, Add	*0.55*	
		For Site Installed Insulation Between Ribs, Add	*2.86*	
		For Up To 100, Add	*1.52*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.11*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.35	0.39
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*3.62*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*1.58*	
		For >500 To 1,500, Add	*0.12*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.28	0.39
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.35*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*1.48*	
		For >500 To 1,500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	13.82	0.48
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*3.50*	
		For Up To 100, Add	*1.91*	
		For >100 To 500, Add	*1.56*	
		For >500 To 1,500, Add	*0.15*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	17.29	0.58
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.37*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.95*	
		For >500 To 1,500, Add	*0.18*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.28	0.52
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*3.87*	
		For Up To 100, Add	*2.11*	
		For >100 To 500, Add	*1.72*	
		For >500 To 1,500, Add	*0.16*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	19.07	0.63
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*4.82*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*2.14*	
		For >500 To 1,500, Add	*0.20*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.01	0.40
		For Painted, Deduct	*-0.48*	
		For Perforated Or Slotted, Add	*0.48*	
		For Insulated Cells, Add	*2.14*	
		For Site Installed Insulation Between Ribs, Add	*2.54*	
		For Up To 100, Add	*1.45*	
		For >100 To 500, Add	*1.15*	
		For >500 To 1,500, Add	*0.13*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	10.73	0.53
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.27*	
		For Site Installed Insulation Between Ribs, Add	*2.73*	
		For Up To 100, Add	*1.67*	
		For >100 To 500, Add	*1.27*	
		For >500 To 1,500, Add	*0.17*	
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	12.41	0.41
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.67*	
		For Site Installed Insulation Between Ribs, Add	*3.14*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*1.40*	
		For >500 To 1,500, Add	*0.13*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	13.25	0.56
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.83*	
		For Site Installed Insulation Between Ribs, Add	*3.36*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*1.53*	
		For >500 To 1,500, Add	*0.17*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.17	0.51
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.05*	
		For Site Installed Insulation Between Ribs, Add	*3.59*	
		For Up To 100, Add	*1.98*	
		For >100 To 500, Add	*1.61*	
		For >500 To 1,500, Add	*0.16*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	16.96	0.59
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.65*	
		For Site Installed Insulation Between Ribs, Add	*4.29*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.92*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	19.05	0.63
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.11*	
		For Site Installed Insulation Between Ribs, Add	*4.82*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*2.14*	
		For >500 To 1,500, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	20.61	0.68
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.45*	
		For Site Installed Insulation Between Ribs, Add	*5.21*	
		For Up To 100, Add	*2.83*	
		For >100 To 500, Add	*2.32*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	22.40	0.51
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.90*	
		For Site Installed Insulation Between Ribs, Add	*5.64*	
		For Up To 100, Add	*2.82*	
		For >100 To 500, Add	*2.43*	
		For >500 To 1,500, Add	*0.16*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	23.75	0.60
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.18*	
		For Site Installed Insulation Between Ribs, Add	*5.99*	
		For Up To 100, Add	*3.05*	
		For >100 To 500, Add	*2.60*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	25.08	0.64
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.46*	
		For Site Installed Insulation Between Ribs, Add	*6.32*	
		For Up To 100, Add	*3.24*	
		For >100 To 500, Add	*2.75*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	26.73	0.69
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.82*	
		For Site Installed Insulation Between Ribs, Add	*6.74*	
		For Up To 100, Add	*3.45*	
		For >100 To 500, Add	*2.93*	
		For >500 To 1,500, Add	*0.22*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck *(05 31 33)*

05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.38	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.36*	
		For >500 To 1,500, Add	*0.10*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.54	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.39*	
		For >500 To 1,500, Add	*0.11*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	2.78	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*0.74*	
		For >100 To 500, Add	*0.43*	
		For >500 To 1,500, Add	*0.13*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	2.97	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.47*	
		For >500 To 1,500, Add	*0.15*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	2.95	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.43*	
		For >500 To 1,500, Add	*0.11*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.10	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*0.73*	
		For >100 To 500, Add	*0.45*	
		For >500 To 1,500, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.23	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*0.78*	
		For >100 To 500, Add	*0.48*	
		For >500 To 1,500, Add	*0.13*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.40	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.51*	
		For >500 To 1,500, Add	*0.15*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.59	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*0.90*	
		For >100 To 500, Add	*0.54*	
		For >500 To 1,500, Add	*0.15*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.97	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*0.96*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.16*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.60	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.17*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	5.08	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.19*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	3.64	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*0.90*	
		For >100 To 500, Add	*0.54*	
		For >500 To 1,500, Add	*0.15*	
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	3.85	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.17*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.21	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.21*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	4.48	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.36*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.25*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	3.85	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.17*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.15	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.64*	
		For >500 To 1,500, Add	*0.19*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.49	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*1.27*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	4.80	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*1.44*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.27*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.06	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.17*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.30	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*1.14*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.20*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	4.70	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.76*	
		For >500 To 1,500, Add	*0.24*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.15	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.56*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.29*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.70	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*1.66*	
		For >100 To 500, Add	*1.00*	
		For >500 To 1,500, Add	*0.28*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.10	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*1.80*	
		For >100 To 500, Add	*1.07*	
		For >500 To 1,500, Add	*0.30*	
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.14	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*1.84*	
		For >100 To 500, Add	*1.09*	
		For >500 To 1,500, Add	*0.31*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.51	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*2.01*	
		For >100 To 500, Add	*1.17*	
		For >500 To 1,500, Add	*0.35*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.02	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*2.16*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.38*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.08	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*2.22*	
		For >100 To 500, Add	*1.28*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.43	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*2.37*	
		For >100 To 500, Add	*1.35*	
		For >500 To 1,500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.87	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*1.73*	
		For >100 To 500, Add	*1.04*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.21	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*1.85*	
		For >100 To 500, Add	*1.10*	
		For >500 To 1,500, Add	*0.31*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.27	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*1.91*	
		For >100 To 500, Add	*1.12*	
		For >500 To 1,500, Add	*0.33*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.73	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*2.07*	
		For >100 To 500, Add	*1.21*	
		For >500 To 1,500, Add	*0.36*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.15	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*2.23*	
		For >100 To 500, Add	*1.29*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.21	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*2.29*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.41*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.63	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*2.44*	
		For >100 To 500, Add	*1.39*	
		For >500 To 1,500, Add	*0.44*	
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	6.90	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*1.73*	
		For >100 To 500, Add	*1.04*	
		For >500 To 1,500, Add	*0.29*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	7.25	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*1.89*	
		For >100 To 500, Add	*1.11*	
		For >500 To 1,500, Add	*0.32*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	7.31	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*1.14*	
		For >500 To 1,500, Add	*0.34*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	7.80	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*2.10*	
		For >100 To 500, Add	*1.22*	
		For >500 To 1,500, Add	*0.37*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	8.28	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*2.26*	
		For >100 To 500, Add	*1.31*	
		For >500 To 1,500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	8.37	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*2.35*	
		For >100 To 500, Add	*1.34*	
		For >500 To 1,500, Add	*0.42*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	8.67	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*2.48*	
		For >100 To 500, Add	*1.40*	
		For >500 To 1,500, Add	*0.45*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.65	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.56	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.71	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.13	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.24	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.99	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.06	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.45	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.14	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.60	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.61	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.13	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	3.64	0.45
		For Walls >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.31*	
		For Up To 200, Add	*0.94*	
		For >200 To 500, Add	*0.47*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	4.13	0.45
		For Walls >10' High, Add	*0.83*	
		For Curved Wall, Add	*0.33*	
		For Up To 200, Add	*1.04*	
		For >200 To 500, Add	*0.52*	
		For 12" On Center, Add	*0.77*	
		For 24" On Center, Deduct	*-0.77*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	4.31	0.45
		For Walls >10' High, Add	*0.86*	
		For Curved Wall, Add	*0.34*	
		For Up To 200, Add	*1.09*	
		For >200 To 500, Add	*0.55*	
		For 12" On Center, Add	*0.81*	
		For 24" On Center, Deduct	*-0.81*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	5.76	0.50
		For Walls >10' High, Add	*1.15*	
		For Curved Wall, Add	*0.36*	
		For Up To 200, Add	*1.39*	
		For >200 To 500, Add	*0.70*	
		For 12" On Center, Add	*1.09*	
		For 24" On Center, Deduct	*-1.09*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	6.52	0.55
		For Walls >10' High, Add	*1.30*	
		For Curved Wall, Add	*0.37*	
		For Up To 200, Add	*1.55*	
		For >200 To 500, Add	*0.78*	
		For 12" On Center, Add	*1.24*	
		For 24" On Center, Deduct	*-1.24*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	3.93	0.45
		For Walls >10' High, Add	*0.79*	
		For Curved Wall, Add	*0.33*	
		For Up To 200, Add	*1.00*	
		For >200 To 500, Add	*0.50*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	4.67	0.45
		For Walls >10' High, Add	*0.93*	
		For Curved Wall, Add	*0.35*	
		For Up To 200, Add	*1.16*	
		For >200 To 500, Add	*0.58*	
		For 12" On Center, Add	*0.88*	
		For 24" On Center, Deduct	*-0.88*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	4.94	0.45
		For Walls >10' High, Add	*0.99*	
		For Curved Wall, Add	*0.36*	
		For Up To 200, Add	*1.23*	
		For >200 To 500, Add	*0.61*	
		For 12" On Center, Add	*0.93*	
		For 24" On Center, Deduct	*-0.93*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	6.52	0.55
		For Walls >10' High, Add	*1.30*	
		For Curved Wall, Add	*0.38*	
		For Up To 200, Add	*1.55*	
		For >200 To 500, Add	*0.78*	
		For 12" On Center, Add	*1.24*	
		For 24" On Center, Deduct	*-1.24*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.25	0.59
		For Walls >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.39*	
		For Up To 200, Add	*1.71*	
		For >200 To 500, Add	*0.86*	
		For 12" On Center, Add	*1.38*	
		For 24" On Center, Deduct	*-1.38*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	5.52	0.62
		For Walls >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.41*	
		For Up To 200, Add	*1.38*	
		For >200 To 500, Add	*0.69*	
		For 12" On Center, Add	*1.04*	
		For 24" On Center, Deduct	*-1.04*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	5.70	0.63
		For Walls >10' High, Add	*1.14*	
		For Curved Wall, Add	*0.42*	
		For Up To 200, Add	*1.42*	
		For >200 To 500, Add	*0.71*	
		For 12" On Center, Add	*1.07*	
		For 24" On Center, Deduct	*-1.07*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.45	0.66
		For Walls >10' High, Add	*1.49*	
		For Curved Wall, Add	*0.44*	
		For Up To 200, Add	*1.78*	
		For >200 To 500, Add	*0.89*	
		For 12" On Center, Add	*1.42*	
		For 24" On Center, Deduct	*-1.42*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	8.26	0.69
		For Walls >10' High, Add	*1.65*	
		For Curved Wall, Add	*0.46*	
		For Up To 200, Add	*1.96*	
		For >200 To 500, Add	*0.98*	
		For 12" On Center, Add	*1.58*	
		For 24" On Center, Deduct	*-1.58*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	8.44	1.07
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	8.92	1.33
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	9.59	1.47
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	10.87	1.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0006		**Steel Joists, 18 Gauge** *(05 42 13)*		
05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	9.40	1.18
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	9.97	1.49
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	10.73	1.63
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	10.95	1.73
05 42 13 00-0011		**Steel Joists, 16 Gauge** *(05 42 13)*		
05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	11.79	1.64
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	12.45	1.73
05 42 13 00-0014		**Steel Joists, 14 Gauge** *(05 42 13)*		
05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	14.41	1.73
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	15.74	1.82
05 42 13 00-0017		**Steel Joists, 12 Gauge** *(05 42 13)*		
05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	17.40	1.90
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	19.13	2.01
05 42 13 00-0020		**Steel Joists, 10 Gauge** *(05 42 13)*		
05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	20.39	2.10
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	22.55	2.21
05 42 13 00-0023		**Steel Joists, 8 Gauge** *(05 42 13)*		
05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	23.43	2.31
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	25.98	2.43

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Metal Framing Channel *(05 43)*

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.42	1.12
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.87	1.12
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	12.55	1.12
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	10.53	1.12
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	8.58	1.12
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	

05 43 00 00-0008 Stainless Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0009 304 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	22.36	1.12
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.27	1.12
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.05	1.12
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	33.64	1.12

05 43 00 00-0014 316 Stainless Steel Unistrut Channel *(05 43 00 00-0008)*

05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	38.30	1.12

05 43 00 00-0016 Aluminum Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	10.84	1.12
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	7.44	1.12

05 43 00 00-0019 Metal Framing Channel Fittings *(05 43)*

05 43 00 00-0020 Unistrut Closure Strips *(05 43 00 00-0019)*

05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	8.38	0.25

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0022		Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0023		Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.53	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.61	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	7.42	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	11.80	
05 43 00 00-0028		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	11.87	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.94	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	19.47	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	33.77	
05 43 00 00-0033		Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0034		Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.56	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.76	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	7.48	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	13.06	
05 43 00 00-0039		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.90	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.14	
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.57	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.84	
05 43 00 00-0044		Beam Clamp For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	14.74	3.72
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	21.53	3.72
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676	3.70	
05 43 00 00-0048		Beam Clamp Clevis Hangers For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.10	3.72
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	22.50	3.72
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut	3.70	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	176.67	4.96
05 43 00 00-0053		Accessories For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0054	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	52.33	3.72
05 43 00 00-0055	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	8.70	2.48
05 43 00 00-0056	EA	60 Degree Angle, 1-5/8" Channel P2097	9.45	2.48
05 43 00 00-0057		Bases For Unistrut Channel *(05 43 00 00-0019)*		
05 43 00 00-0058		Steel Bases For Unistrut Channel *(05 43 00 00-0057)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	84.41	12.40
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	85.99	12.40
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	139.15	12.40
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	108.06	12.40
05 43 00 00-0063		Stainless Steel Bases For Unistrut Channel *(05 43 00 00-0057)* Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	205.82	12.40
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	404.07	12.40
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	297.69	12.40
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	458.28	12.40
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	395.75	12.40
05 43 00 00-0069		Pipe And Rigid Conduit Clamps *(05 43 00 00-0019)*		
05 43 00 00-0070		Pipe And Rigid Conduit Clamps *(05 43 00 00-0069)* Note: Includes stainless steel (316) hardware.		
05 43 00 00-0071	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	4.00	0.84
05 43 00 00-0072	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	4.14	0.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0073	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	4.55	1.02
05 43 00 00-0074	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	4.79	1.10
05 43 00 00-0075	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.51	1.24
05 43 00 00-0076	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.51	1.24
05 43 00 00-0077	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.57	2.08
05 43 00 00-0078	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.85	2.08
05 43 00 00-0079	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.36	2.30
05 43 00 00-0080	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	11.57	2.47

05 43 00 00-0081 Pipe And Rigid Conduit Clamps *(05 43 00 00-0069)*

Note: Includes nylon hardware.

05 43 00 00-0082	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.00	0.84
05 43 00 00-0083	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.39	0.84
05 43 00 00-0084	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.80	1.02
05 43 00 00-0085	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	9.19	1.10
05 43 00 00-0086	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.39	1.24
05 43 00 00-0087	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.39	1.24
05 43 00 00-0088	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.86	2.08
05 43 00 00-0089	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	19.62	2.08
05 43 00 00-0090	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.28	2.30
05 43 00 00-0091	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	22.86	2.47

05 44 Cold-Formed Metal Trusses *(05 40)*

05 44 13 Cold-Formed Metal Roof Trusses *(05 44)*

05 44 13 00-0001 Metal Trusses *(05 44 13)*

05 44 13 00-0002 4:12 Pitch Metal Trusses *(05 44 13 00-0001)*

05 44 13 00-0003	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	403.21	55.34
		For 4" Chords, Deduct	*-91.56*	
		For 14 Gauge, Add	*106.73*	
		For 16 Gauge, Add	*46.25*	
05 44 13 00-0004	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	424.43	55.82
		For 4" Chords, Deduct	*-98.19*	
		For 14 Gauge, Add	*113.15*	
		For 16 Gauge, Add	*49.49*	
05 44 13 00-0005	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	440.72	56.31
		For 4" Chords, Deduct	*-103.21*	
		For 14 Gauge, Add	*118.04*	
		For 16 Gauge, Add	*51.93*	
05 44 13 00-0006	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	468.84	59.10
		For 4" Chords, Deduct	*-110.39*	
		For 14 Gauge, Add	*125.84*	
		For 16 Gauge, Add	*55.51*	
05 44 13 00-0007	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	492.03	61.89
		For 4" Chords, Deduct	*-115.96*	
		For 14 Gauge, Add	*132.11*	
		For 16 Gauge, Add	*58.30*	
05 44 13 00-0008	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	508.61	62.47
		For 4" Chords, Deduct	*-120.99*	
		For 14 Gauge, Add	*137.05*	
		For 16 Gauge, Add	*60.76*	
05 44 13 00-0009	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	530.15	63.06
		For 4" Chords, Deduct	*-127.65*	
		For 14 Gauge, Add	*143.54*	
		For 16 Gauge, Add	*64.01*	
05 44 13 00-0010	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	554.44	66.22
		For 4" Chords, Deduct	*-133.31*	
		For 14 Gauge, Add	*150.03*	
		For 16 Gauge, Add	*66.86*	
05 44 13 00-0011	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	583.66	69.37
		For 4" Chords, Deduct	*-140.58*	
		For 14 Gauge, Add	*158.04*	
		For 16 Gauge, Add	*70.49*	
05 44 13 00-0012	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	607.96	72.52
		For 4" Chords, Deduct	*-146.23*	
		For 14 Gauge, Add	*164.53*	
		For 16 Gauge, Add	*73.34*	
05 44 13 00-0013	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	637.17	75.67
		For 4" Chords, Deduct	*-153.51*	
		For 14 Gauge, Add	*172.55*	
		For 16 Gauge, Add	*76.98*	

05 44 13 00-0014 5:12 To 6:12 Pitch Metal Trusses *(05 44 13 00-0001)*

05 44 13 00-0015	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	478.36	68.86
		For 4" Chords, Deduct	*-106.22*	
		For 14 Gauge, Add	*125.57*	
		For 16 Gauge, Add	*53.81*	
05 44 13 00-0016	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	500.09	69.52
		For 4" Chords, Deduct	*-112.89*	
		For 14 Gauge, Add	*132.09*	
		For 16 Gauge, Add	*57.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44 13 00-0017	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	521.85	70.17
		For 4" Chords, Deduct	*-119.58*	
		For 14 Gauge, Add	*138.62*	
		For 16 Gauge, Add	*60.34*	
05 44 13 00-0018	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	555.46	74.79
		For 4" Chords, Deduct	*-127.21*	
		For 14 Gauge, Add	*147.51*	
		For 16 Gauge, Add	*64.19*	
05 44 13 00-0019	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	589.08	79.41
		For 4" Chords, Deduct	*-134.84*	
		For 14 Gauge, Add	*156.41*	
		For 16 Gauge, Add	*68.05*	
05 44 13 00-0020	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	558.03	80.24
		For 4" Chords, Deduct	*-137.30*	
		For 14 Gauge, Add	*152.37*	
		For 16 Gauge, Add	*68.67*	
05 44 13 00-0021	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	633.64	81.07
		For 4" Chords, Deduct	*-148.29*	
		For 14 Gauge, Add	*169.67*	
		For 16 Gauge, Add	*74.62*	
05 44 13 00-0022	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	665.56	85.13
		For 4" Chords, Deduct	*-155.78*	
		For 14 Gauge, Add	*178.23*	
		For 16 Gauge, Add	*78.39*	
05 44 13 00-0023	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	697.49	89.19
		For 4" Chords, Deduct	*-163.28*	
		For 14 Gauge, Add	*186.79*	
		For 16 Gauge, Add	*82.17*	
05 44 13 00-0024	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	729.42	93.25
		For 4" Chords, Deduct	*-170.78*	
		For 14 Gauge, Add	*195.35*	
		For 16 Gauge, Add	*85.94*	
05 44 13 00-0025	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	761.34	97.29
		For 4" Chords, Deduct	*-178.27*	
		For 14 Gauge, Add	*203.91*	
		For 16 Gauge, Add	*89.71*	

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,008.88	22.23
		For Closed Riser, Add	*119.06*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,144.48	26.06
		For Closed Riser, Add	*134.99*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,270.62	30.53
		For Closed Riser, Add	*149.73*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	76.77	2.44

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	465.59	19.54
		For Closed Riser, Add	*58.38*	
		For Galvanized Steel, Add	*106.63*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	491.76	22.47
		For Closed Riser, Add	*61.46*	
		For Galvanized Steel, Add	*111.70*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	540.19	26.38
		For Closed Riser, Add	*67.32*	
		For Galvanized Steel, Add	*121.86*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	82.88	2.44

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0001		**Vertical Ladders** *(05 51 33 13)*		
		Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	69.95	5.86
		For Galvanized Steel, Add	*12.89*	
		For Aluminum, Add	*25.78*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	83.02	5.86
		For Galvanized Steel, Add	*16.16*	
		For Aluminum, Add	*32.32*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	180.92	9.77
		For Galvanized Steel, Add	*37.45*	
		For Aluminum, Add	*74.89*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	207.06	9.77
		For Galvanized Steel, Add	*43.98*	
		For Aluminum, Add	*87.96*	
05 51 33 13-0006		**Vertical Ladders Options** *(05 51 33 13)*		
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	322.21	18.32
		Note: Extends 42" above landing surface. Includes mounting bracket.		
		For Galvanized Steel, Add	*71.39*	
		For Aluminum, Add	*142.79*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	354.06	19.54
		Note: Extends 42" above landing surface. Includes mounting bracket.		
		For Galvanized Steel, Add	*78.74*	
		For Aluminum, Add	*157.49*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	420.51	6.11
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,087.48	36.64
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,303.37	42.74
05 51 33 13-0012	EA	Safety Chain Attachment	202.95	
05 51 33 13-0013		**Welded Steel Ladder Cages** *(05 51 33 13)*		
		Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		**Powder Coated, Welded Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,824.06	73.28
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,989.92	75.72
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,120.80	78.16
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,261.01	80.61
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,340.55	83.05
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,473.76	85.49
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,590.64	87.94
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,744.83	90.38
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,894.37	92.83
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,015.91	95.26
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,165.45	97.70
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,310.32	100.15
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,452.86	102.59
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,716.72	105.03
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,791.59	107.48
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,924.80	109.92
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,046.35	112.36
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,158.55	114.81
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,415.41	117.25
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,550.95	119.69
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,677.16	122.14
05 51 33 13-0036		**Welded Stainless Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	4,794.10	73.28
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	5,127.94	75.72
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	5,688.11	78.16
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	5,961.31	80.61
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	6,190.16	83.05
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	6,496.02	85.49
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	7,051.53	87.94
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	7,329.37	90.38
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	7,616.56	92.83
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	7,931.76	95.26
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	8,498.91	97.70
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	8,779.11	100.15
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	9,045.30	102.59
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	9,491.14	105.03
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	9,992.97	107.48
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	10,268.50	109.92
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	10,551.03	112.36
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	10,814.88	114.81
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	11,503.36	117.25
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	11,767.23	119.69
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	12,038.09	122.14
05 51 33 13-0058		**Vertical Ladder Fall Protection System** *(05 51 33 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0059	EA	For 20' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30914-00)	1,132.30	28.35
05 51 33 13-0060	EA	For 40' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30915-00)	1,249.08	30.92
05 51 33 13-0061	EA	For 60' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30916-00)	1,423.17	33.49
05 51 33 13-0062	EA	For 80' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30917-00)	1,598.01	36.07
05 51 33 13-0063	EA	For 100' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30918-00)	1,829.43	38.65
05 51 33 13-0064	EA	For 120' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30919-00)	2,008.99	41.23
05 51 33 13-0065	EA	For 140' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30920-00)	2,205.14	43.80
05 51 33 13-0066	EA	For 20' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30924-00)	640.79	25.76
05 51 33 13-0067	EA	For 40' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30925-00)	761.44	28.35
05 51 33 13-0068	EA	For 60' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30906-00)	914.34	30.92
05 51 33 13-0069	EA	For 80' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30907-00)	1,155.95	33.49
05 51 33 13-0070	EA	For 100' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30908-00)	1,303.38	36.07
05 51 33 13-0071	EA	For 120' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30909-00)	1,415.41	38.65
05 51 33 13-0072	EA	Ladder Latch Device For Vertical Ladder Fall Protection System (MSA Latchways® 3104L-00)	567.60	6.45

05 51 33 16 Inclined Metal Ladders *(05 51 33)*

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs *(05 51 33 16)*
Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	304.12	24.43
		For Aluminum, Add	*127.64*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,573.07	73.28
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	2,984.65	77.67
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,370.15	77.67
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	3,791.84	97.61
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,204.69	101.07
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	4,545.32	101.07
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	4,980.05	112.74
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,361.69	112.74
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	5,658.62	112.74
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*
Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and one rail.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	26.42	4.89
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.66*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.16*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.49*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.49*	
		For ADA Handrail P-Loop End Return, Add Per Each	*55.58*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*11.94*	
		For Aluminum, Satin Finish, Add	*6.99*	
		For Aluminum, Clear Anodized Finish, Add	*10.82*	
		For Aluminum, Dark Anodized Finish, Add	*12.49*	
		For Galvanizing, Add	*6.66*	
		For Wrought Iron, Add	*2.64*	
		For Solid Steel Rails, Add	*5.28*	
		For 304 Stainless Steel, Add	*53.28*	
		For 316 Stainless Steel, Add	*59.94*	
		For 2" Wheel Guard, Add	*1.58*	
		For 4" High Kick Plate, Add	*2.08*	
		For 6" High Kick Plate, Add	*3.33*	
		For Curved Rail, Add	*12.92*	
		For Mounting On Stairs, Add	*7.93*	
		For Mounting On Slopes, Add	*2.64*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*10.77*	
		For Nylon Coating, Add	*2.50*	
		For Schedule 80 Handrail, Add	*3.83*	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	29.29	4.89
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.29*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.88*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.44*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*69.54*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*13.66*	
		For Aluminum, Satin Finish, Add	*8.20*	
		For Aluminum, Clear Anodized Finish, Add	*12.69*	
		For Aluminum, Dark Anodized Finish, Add	*14.64*	
		For Galvanizing, Add	*7.81*	
		For Wrought Iron, Add	*2.93*	
		For Solid Steel Rails, Add	*5.86*	
		For 304 Stainless Steel, Add	*62.46*	
		For 316 Stainless Steel, Add	*70.27*	
		For 2" Wheel Guard, Add	*1.85*	
		For 4" High Kick Plate, Add	*2.44*	
		For 6" High Kick Plate, Add	*3.90*	
		For Curved Rail, Add	*14.64*	
		For Mounting On Stairs, Add	*8.79*	
		For Mounting On Slopes, Add	*2.93*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*12.20*	
		For Nylon Coating, Add	*2.93*	
		For Schedule 80 Handrail, Add	*6.66*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	32.15	4.89
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.92*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.60*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.39*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.73*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.31*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*15.38*	
		For Aluminum, Satin Finish, Add	*9.40*	
		For Aluminum, Clear Anodized Finish, Add	*14.55*	
		For Aluminum, Dark Anodized Finish, Add	*16.79*	
		For Galvanizing, Add	*8.95*	
		For Wrought Iron, Add	*3.22*	
		For Solid Steel Rails, Add	*6.43*	
		For 304 Stainless Steel, Add	*71.62*	
		For 316 Stainless Steel, Add	*80.57*	
		For 2" Wheel Guard, Add	*2.13*	
		For 4" High Kick Plate, Add	*2.80*	
		For 6" High Kick Plate, Add	*4.48*	
		For Curved Rail, Add	*16.36*	
		For Mounting On Stairs, Add	*9.65*	
		For Mounting On Slopes, Add	*3.22*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*13.63*	
		For Nylon Coating, Add	*3.36*	
		For Schedule 80 Handrail, Add	*6.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	37.13	4.89
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.84*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*101.53*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.37*	
		For Aluminum, Satin Finish, Add	*11.49*	
		For Aluminum, Clear Anodized Finish, Add	*17.78*	
		For Aluminum, Dark Anodized Finish, Add	*20.52*	
		For Galvanizing, Add	*10.94*	
		For Wrought Iron, Add	*3.71*	
		For Solid Steel Rails, Add	*7.43*	
		For 304 Stainless Steel, Add	*87.55*	
		For 316 Stainless Steel, Add	*98.50*	
		For 2" Wheel Guard, Add	*2.60*	
		For 4" High Kick Plate, Add	*3.42*	
		For 6" High Kick Plate, Add	*5.47*	
		For Curved Rail, Add	*19.35*	
		For Mounting On Stairs, Add	*11.14*	
		For Mounting On Slopes, Add	*3.71*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*16.12*	
		For Nylon Coating, Add	*4.10*	
		For Schedule 80 Handrail, Add	*7.80*	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	43.09	4.89
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.33*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.33*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*148.69*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.94*	
		For Aluminum, Satin Finish, Add	*13.99*	
		For Aluminum, Clear Anodized Finish, Add	*21.66*	
		For Aluminum, Dark Anodized Finish, Add	*24.99*	
		For Galvanizing, Add	*13.33*	
		For Wrought Iron, Add	*4.31*	
		For Solid Steel Rails, Add	*8.62*	
		For 304 Stainless Steel, Add	*106.62*	
		For 316 Stainless Steel, Add	*119.95*	
		For 2" Wheel Guard, Add	*3.17*	
		For 4" High Kick Plate, Add	*4.17*	
		For 6" High Kick Plate, Add	*6.66*	
		For Curved Rail, Add	*22.92*	
		For Mounting On Stairs, Add	*12.93*	
		For Mounting On Slopes, Add	*4.31*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*19.10*	
		For Nylon Coating, Add	*5.00*	
		For Schedule 80 Handrail, Add	*8.96*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	38.90	4.89
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.28*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For ADA Handrail P-Loop End Return, Add Per Each	*55.58*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*11.94*	
		For Aluminum, Satin Finish, Add	*12.23*	
		For Aluminum, Clear Anodized Finish, Add	*18.93*	
		For Aluminum, Dark Anodized Finish, Add	*21.85*	
		For Galvanizing, Add	*11.65*	
		For Wrought Iron, Add	*3.89*	
		For Solid Steel Rails, Add	*7.78*	
		For 304 Stainless Steel, Add	*93.22*	
		For 316 Stainless Steel, Add	*104.87*	
		For 2" Wheel Guard, Add	*2.77*	
		For 4" High Kick Plate, Add	*3.64*	
		For 6" High Kick Plate, Add	*5.83*	
		For Curved Rail, Add	*20.41*	
		For Mounting On Stairs, Add	*11.67*	
		For Mounting On Slopes, Add	*3.89*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*17.01*	
		For Nylon Coating, Add	*4.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	43.92	4.89
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.51*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.54*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.27*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.32*	
		For ADA Handrail P-Loop End Return, Add Per Each	*69.54*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*13.66*	
		For Aluminum, Satin Finish, Add	*14.34*	
		For Aluminum, Clear Anodized Finish, Add	*22.20*	
		For Aluminum, Dark Anodized Finish, Add	*25.61*	
		For Galvanizing, Add	*13.66*	
		For Wrought Iron, Add	*4.39*	
		For Solid Steel Rails, Add	*8.78*	
		For 304 Stainless Steel, Add	*109.28*	
		For 316 Stainless Steel, Add	*122.94*	
		For 2" Wheel Guard, Add	*3.24*	
		For 4" High Kick Plate, Add	*4.27*	
		For 6" High Kick Plate, Add	*6.83*	
		For Curved Rail, Add	*23.42*	
		For Mounting On Stairs, Add	*13.18*	
		For Mounting On Slopes, Add	*4.39*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*19.52*	
		For Nylon Coating, Add	*5.12*	
		For Schedule 80 Handrail, Add	*6.66*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	48.94	4.89
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.62*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.93*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.31*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*15.38*	
		For Aluminum, Satin Finish, Add	*16.45*	
		For Aluminum, Clear Anodized Finish, Add	*25.46*	
		For Aluminum, Dark Anodized Finish, Add	*29.38*	
		For Galvanizing, Add	*15.67*	
		For Wrought Iron, Add	*4.89*	
		For Solid Steel Rails, Add	*9.79*	
		For 304 Stainless Steel, Add	*125.34*	
		For 316 Stainless Steel, Add	*141.01*	
		For 2" Wheel Guard, Add	*3.72*	
		For 4" High Kick Plate, Add	*4.90*	
		For 6" High Kick Plate, Add	*7.83*	
		For Curved Rail, Add	*26.43*	
		For Mounting On Stairs, Add	*14.68*	
		For Mounting On Slopes, Add	*4.89*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.03*	
		For Nylon Coating, Add	*5.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	57.64	4.89
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.97*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*101.53*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.37*	
		For Aluminum, Satin Finish, Add	*20.11*	
		For Aluminum, Clear Anodized Finish, Add	*31.12*	
		For Aluminum, Dark Anodized Finish, Add	*35.90*	
		For Galvanizing, Add	*19.15*	
		For Wrought Iron, Add	*5.76*	
		For Solid Steel Rails, Add	*11.53*	
		For 304 Stainless Steel, Add	*153.18*	
		For 316 Stainless Steel, Add	*172.33*	
		For 2" Wheel Guard, Add	*4.55*	
		For 4" High Kick Plate, Add	*5.98*	
		For 6" High Kick Plate, Add	*9.57*	
		For Curved Rail, Add	*31.65*	
		For Mounting On Stairs, Add	*17.29*	
		For Mounting On Slopes, Add	*5.76*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*26.38*	
		For Nylon Coating, Add	*7.18*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	68.08	4.89
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*122.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.74*	
		For ADA Handrail P-Loop End Return, Add Per Each	*148.69*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.94*	
		For Aluminum, Satin Finish, Add	*24.49*	
		For Aluminum, Clear Anodized Finish, Add	*37.90*	
		For Aluminum, Dark Anodized Finish, Add	*43.73*	
		For Galvanizing, Add	*23.32*	
		For Wrought Iron, Add	*6.81*	
		For Solid Steel Rails, Add	*13.62*	
		For 304 Stainless Steel, Add	*186.59*	
		For 316 Stainless Steel, Add	*209.92*	
		For 2" Wheel Guard, Add	*5.54*	
		For 4" High Kick Plate, Add	*7.29*	
		For 6" High Kick Plate, Add	*11.66*	
		For Curved Rail, Add	*37.92*	
		For Mounting On Stairs, Add	*20.42*	
		For Mounting On Slopes, Add	*6.81*	
		For Post Base Flange With Screws, Add Per Post	*18.48*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*27.97*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*31.60*	
		For Nylon Coating, Add	*8.75*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and three rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	65.26	5.86
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.38*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.66*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.88*	
		For ADA Handrail P-Loop End Return, Add Per Each	*55.58*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*12.34*	
		For Aluminum, Satin Finish, Add	*22.48*	
		For Aluminum, Clear Anodized Finish, Add	*34.79*	
		For Aluminum, Dark Anodized Finish, Add	*40.15*	
		For Galvanizing, Add	*21.41*	
		For Wrought Iron, Add	*6.53*	
		For Solid Steel Rails, Add	*13.05*	
		For 304 Stainless Steel, Add	*171.30*	
		For 316 Stainless Steel, Add	*192.71*	
		For 2" Wheel Guard, Add	*5.09*	
		For 4" High Kick Plate, Add	*6.69*	
		For 6" High Kick Plate, Add	*10.71*	
		For Curved Rail, Add	*35.64*	
		For Mounting On Stairs, Add	*19.58*	
		For Mounting On Slopes, Add	*6.53*	
		For Post Base Flange With Screws, Add Per Post	*18.67*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.26*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*29.70*	
		For Nylon Coating, Add	*8.03*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	74.47	5.86
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.80*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.47*	
		For ADA Handrail P-Loop End Return, Add Per Each	*69.54*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.06*	
		For Aluminum, Satin Finish, Add	*26.35*	
		For Aluminum, Clear Anodized Finish, Add	*40.78*	
		For Aluminum, Dark Anodized Finish, Add	*47.06*	
		For Galvanizing, Add	*25.10*	
		For Wrought Iron, Add	*7.45*	
		For Solid Steel Rails, Add	*14.89*	
		For 304 Stainless Steel, Add	*200.77*	
		For 316 Stainless Steel, Add	*225.86*	
		For 2" Wheel Guard, Add	*5.96*	
		For 4" High Kick Plate, Add	*7.84*	
		For 6" High Kick Plate, Add	*12.55*	
		For Curved Rail, Add	*41.16*	
		For Mounting On Stairs, Add	*22.34*	
		For Mounting On Slopes, Add	*7.45*	
		For Post Base Flange With Screws, Add Per Post	*18.67*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.26*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*34.30*	
		For Nylon Coating, Add	*9.41*	
		For Schedule 80 Handrail, Add	*9.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	83.69	5.86
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.99*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.06*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.31*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*15.78*	
		For Aluminum, Satin Finish, Add	*30.22*	
		For Aluminum, Clear Anodized Finish, Add	*46.77*	
		For Aluminum, Dark Anodized Finish, Add	*53.97*	
		For Galvanizing, Add	*28.78*	
		For Wrought Iron, Add	*8.37*	
		For Solid Steel Rails, Add	*16.74*	
		For 304 Stainless Steel, Add	*230.27*	
		For 316 Stainless Steel, Add	*259.06*	
		For 2" Wheel Guard, Add	*6.84*	
		For 4" High Kick Plate, Add	*9.00*	
		For 6" High Kick Plate, Add	*14.39*	
		For Curved Rail, Add	*46.70*	
		For Mounting On Stairs, Add	*25.11*	
		For Mounting On Slopes, Add	*8.37*	
		For Post Base Flange With Screws, Add Per Post	*18.67*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.26*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*38.91*	
		For Nylon Coating, Add	*10.79*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	99.71	5.86
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-29.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.31*	
		For ADA Handrail P-Loop End Return, Add Per Each	*101.53*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.77*	
		For Aluminum, Satin Finish, Add	*36.95*	
		For Aluminum, Clear Anodized Finish, Add	*57.19*	
		For Aluminum, Dark Anodized Finish, Add	*65.99*	
		For Galvanizing, Add	*35.19*	
		For Wrought Iron, Add	*9.97*	
		For Solid Steel Rails, Add	*19.94*	
		For 304 Stainless Steel, Add	*281.54*	
		For 316 Stainless Steel, Add	*316.73*	
		For 2" Wheel Guard, Add	*8.36*	
		For 4" High Kick Plate, Add	*11.00*	
		For 6" High Kick Plate, Add	*17.60*	
		For Curved Rail, Add	*56.31*	
		For Mounting On Stairs, Add	*29.91*	
		For Mounting On Slopes, Add	*9.97*	
		For Post Base Flange With Screws, Add Per Post	*18.67*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.26*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*46.92*	
		For Nylon Coating, Add	*13.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	118.78	5.86
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*122.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.33*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.75*	
		For ADA Handrail P-Loop End Return, Add Per Each	*148.69*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.34*	
		For Aluminum, Satin Finish, Add	*44.96*	
		For Aluminum, Clear Anodized Finish, Add	*69.58*	
		For Aluminum, Dark Anodized Finish, Add	*80.29*	
		For Galvanizing, Add	*42.82*	
		For Wrought Iron, Add	*11.88*	
		For Solid Steel Rails, Add	*23.76*	
		For 304 Stainless Steel, Add	*342.56*	
		For 316 Stainless Steel, Add	*385.38*	
		For 2" Wheel Guard, Add	*10.17*	
		For 4" High Kick Plate, Add	*13.38*	
		For 6" High Kick Plate, Add	*21.41*	
		For Curved Rail, Add	*67.75*	
		For Mounting On Stairs, Add	*35.63*	
		For Mounting On Slopes, Add	*11.88*	
		For Post Base Flange With Screws, Add Per Post	*18.67*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.26*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*56.46*	
		For Nylon Coating, Add	*16.06*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	79.37	6.84
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.45*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.68*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*55.58*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*12.73*	
		For Aluminum, Satin Finish, Add	*27.59*	
		For Aluminum, Clear Anodized Finish, Add	*42.70*	
		For Aluminum, Dark Anodized Finish, Add	*49.27*	
		For Galvanizing, Add	*26.28*	
		For Wrought Iron, Add	*7.94*	
		For Solid Steel Rails, Add	*15.87*	
		For 304 Stainless Steel, Add	*210.21*	
		For 316 Stainless Steel, Add	*236.48*	
		For 2" Wheel Guard, Add	*6.24*	
		For 4" High Kick Plate, Add	*8.21*	
		For 6" High Kick Plate, Add	*13.14*	
		For Curved Rail, Add	*43.52*	
		For Mounting On Stairs, Add	*23.81*	
		For Mounting On Slopes, Add	*7.94*	
		For Post Base Flange With Screws, Add Per Post	*18.87*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.55*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*36.27*	
		For Nylon Coating, Add	*9.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	87.56	6.84
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.25*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.47*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.38*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*69.54*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.45*	
		For Aluminum, Satin Finish, Add	*31.03*	
		For Aluminum, Clear Anodized Finish, Add	*48.02*	
		For Aluminum, Dark Anodized Finish, Add	*55.41*	
		For Galvanizing, Add	*29.55*	
		For Wrought Iron, Add	*8.76*	
		For Solid Steel Rails, Add	*17.51*	
		For 304 Stainless Steel, Add	*236.42*	
		For 316 Stainless Steel, Add	*265.97*	
		For 2" Wheel Guard, Add	*7.02*	
		For 4" High Kick Plate, Add	*9.24*	
		For 6" High Kick Plate, Add	*14.78*	
		For Curved Rail, Add	*48.43*	
		For Mounting On Stairs, Add	*26.27*	
		For Mounting On Slopes, Add	*8.76*	
		For Post Base Flange With Screws, Add Per Post	*18.87*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.55*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*40.36*	
		For Nylon Coating, Add	*11.08*	
		For Schedule 80 Handrail, Add	*11.73*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	95.74	6.84
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.52*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.08*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-32.00*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.31*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.17*	
		For Aluminum, Satin Finish, Add	*34.47*	
		For Aluminum, Clear Anodized Finish, Add	*53.34*	
		For Aluminum, Dark Anodized Finish, Add	*61.55*	
		For Galvanizing, Add	*32.82*	
		For Wrought Iron, Add	*9.57*	
		For Solid Steel Rails, Add	*19.15*	
		For 304 Stainless Steel, Add	*262.59*	
		For 316 Stainless Steel, Add	*295.42*	
		For 2" Wheel Guard, Add	*7.80*	
		For 4" High Kick Plate, Add	*10.26*	
		For 6" High Kick Plate, Add	*16.41*	
		For Curved Rail, Add	*53.34*	
		For Mounting On Stairs, Add	*28.72*	
		For Mounting On Slopes, Add	*9.57*	
		For Post Base Flange With Screws, Add Per Post	*18.87*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.55*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*44.45*	
		For Nylon Coating, Add	*12.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	113.97	6.84
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.07*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-33.10*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-39.11*	
		For ADA Handrail P-Loop End Return, Add Per Each	*101.53*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*19.16*	
		For Aluminum, Satin Finish, Add	*42.12*	
		For Aluminum, Clear Anodized Finish, Add	*65.19*	
		For Aluminum, Dark Anodized Finish, Add	*75.22*	
		For Galvanizing, Add	*40.12*	
		For Wrought Iron, Add	*11.40*	
		For Solid Steel Rails, Add	*22.79*	
		For 304 Stainless Steel, Add	*320.93*	
		For 316 Stainless Steel, Add	*361.04*	
		For 2" Wheel Guard, Add	*9.53*	
		For 4" High Kick Plate, Add	*12.54*	
		For 6" High Kick Plate, Add	*20.06*	
		For Curved Rail, Add	*64.28*	
		For Mounting On Stairs, Add	*34.19*	
		For Mounting On Slopes, Add	*11.40*	
		For Post Base Flange With Screws, Add Per Post	*18.87*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.55*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*53.57*	
		For Nylon Coating, Add	*15.04*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	135.33	6.84
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*45.46*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*33.51*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*21.54*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*56.72*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*41.80*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*26.88*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*79.07*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*58.27*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*37.46*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*78.90*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*54.51*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.27*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*63.10*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*120.27*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*81.10*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*122.44*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.14*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.44*	
		For ADA Handrail P-Loop End Return, Add Per Each	*148.69*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.73*	
		For Aluminum, Satin Finish, Add	*51.09*	
		For Aluminum, Clear Anodized Finish, Add	*79.07*	
		For Aluminum, Dark Anodized Finish, Add	*91.24*	
		For Galvanizing, Add	*48.66*	
		For Wrought Iron, Add	*13.53*	
		For Solid Steel Rails, Add	*27.07*	
		For 304 Stainless Steel, Add	*389.28*	
		For 316 Stainless Steel, Add	*437.94*	
		For 2" Wheel Guard, Add	*11.56*	
		For 4" High Kick Plate, Add	*15.21*	
		For 6" High Kick Plate, Add	*24.33*	
		For Curved Rail, Add	*77.09*	
		For Mounting On Stairs, Add	*40.60*	
		For Mounting On Slopes, Add	*13.53*	
		For Post Base Flange With Screws, Add Per Post	*18.87*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*28.55*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*64.25*	
		For Nylon Coating, Add	*18.25*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*
Note: Includes field welds and touch-up of welds.

05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels *(05 52 13 00-0026)*
Note: Square weave or square welded wire mesh.

05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.81
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.65	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.85	

05 52 13 00-0032 Perforated Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.51	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	16.03	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	17.16	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	34.45	

05 52 13 00-0037 Expanded Metal, Railing Infill Panels *(05 52 13 00-0026)*

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	7.00	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	14.30	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.77	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.99	

05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.63	2.93
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.91*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.36*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.70*	
		For Stainless Steel, Add	*44.60*	
		For Aluminum, Satin Finish, Add	*9.37*	
		For Curved Rail, Add	*8.89*	
		For Aluminum, Clear Anodized Finish, Add	*14.50*	
		For Aluminum, Dark Anodized Finish, Add	*16.73*	
		For Galvanized Finish, Add	*6.69*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.35	2.93
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.60*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.98*	
		For Stainless Steel, Add	*46.04*	
		For Aluminum, Satin Finish, Add	*9.67*	
		For Curved Rail, Add	*9.11*	
		For Aluminum, Clear Anodized Finish, Add	*14.96*	
		For Aluminum, Dark Anodized Finish, Add	*17.27*	
		For Galvanized Finish, Add	*6.91*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	31.07	2.93
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.22*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.83*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.26*	
		For Stainless Steel, Add	*47.48*	
		For Aluminum, Satin Finish, Add	*9.97*	
		For Curved Rail, Add	*9.32*	
		For Aluminum, Clear Anodized Finish, Add	*15.43*	
		For Aluminum, Dark Anodized Finish, Add	*17.81*	
		For Galvanized Finish, Add	*7.12*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.34	2.93
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.04*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.56*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.48*	
		For Stainless Steel, Add	*64.02*	
		For Aluminum, Satin Finish, Add	*13.44*	
		For Curved Rail, Add	*11.80*	
		For Aluminum, Clear Anodized Finish, Add	*20.81*	
		For Aluminum, Dark Anodized Finish, Add	*24.01*	
		For Galvanized Finish, Add	*9.60*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.18	2.93
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.71*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.82*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.15*	
		For Stainless Steel, Add	*77.70*	
		For Aluminum, Satin Finish, Add	*16.32*	
		For Curved Rail, Add	*13.85*	
		For Aluminum, Clear Anodized Finish, Add	*25.25*	
		For Aluminum, Dark Anodized Finish, Add	*29.14*	
		For Galvanized Finish, Add	*11.66*	

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*

Note: Includes factory primed, fasteners and field touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.08	3.08
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.77*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.15*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.99*	
		For Stainless Steel, Add	*61.50*	
		For Aluminum, Satin Finish, Add	*12.92*	
		For Curved Rail, Add	*11.42*	
		For Aluminum, Clear Anodized Finish, Add	*19.99*	
		For Aluminum, Dark Anodized Finish, Add	*23.06*	
		For Galvanized Finish, Add	*9.23*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.09	3.08
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.99*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.39*	
		For Stainless Steel, Add	*63.52*	
		For Aluminum, Satin Finish, Add	*13.34*	
		For Curved Rail, Add	*11.73*	
		For Aluminum, Clear Anodized Finish, Add	*20.64*	
		For Aluminum, Dark Anodized Finish, Add	*23.82*	
		For Galvanized Finish, Add	*9.53*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.85	3.08
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.15*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.13*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.73*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.68*	
		For Stainless Steel, Add	*65.04*	
		For Aluminum, Satin Finish, Add	*13.66*	
		For Curved Rail, Add	*11.96*	
		For Aluminum, Clear Anodized Finish, Add	*21.14*	
		For Aluminum, Dark Anodized Finish, Add	*24.39*	
		For Galvanized Finish, Add	*9.76*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	51.39	3.08
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.69*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.02*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.54*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.18*	
		For Stainless Steel, Add	*88.12*	
		For Aluminum, Satin Finish, Add	*18.51*	
		For Curved Rail, Add	*15.42*	
		For Aluminum, Clear Anodized Finish, Add	*28.64*	
		For Aluminum, Dark Anodized Finish, Add	*33.05*	
		For Galvanized Finish, Add	*13.22*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	58.95	3.08
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.91*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.13*	
		For Stainless Steel, Add	*103.24*	
		For Aluminum, Satin Finish, Add	*21.68*	
		For Curved Rail, Add	*17.69*	
		For Aluminum, Clear Anodized Finish, Add	*33.55*	
		For Aluminum, Dark Anodized Finish, Add	*38.72*	
		For Galvanized Finish, Add	*15.49*	

05 52 13 00-0054 Remove/Reinstall Pipe Railing *(05 52 13)*

05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	11.00	
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	15.99	
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	49.41	
		For Stainless Steel, Add	*69.52*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating *(05 53 13 00-0001)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	12.90	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	17.80	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.14*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	16.05	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.09*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	22.70	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.26*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	29.34	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.42*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	19.23	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.17*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	27.31	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.37*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	22.42	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.25*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	32.43	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.66*	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	42.54	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.91*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	37.36	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	41.98	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.90*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	46.88	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.02*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	51.50	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.14*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	25.74	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.33*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	32.04	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.49*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	28.43	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.40*	
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	39.25	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.67*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	32.04	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	44.25	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.80*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	35.82	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.59*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	49.75	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.10*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	55.03	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.23*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	59.34	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.33*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	63.47	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.44*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	67.04	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.53*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	15.70	0.54
		For Bearing Bars At 15/16" On-Center, Add	*4.27*	
		For Crossbars At 2" On-Center, Add	*1.58*	
		For Set In Place Without Bolting, Deduct	*-1.08*	
		For Powder Coating, Add	*2.19*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	21.69	0.54
		For Bearing Bars At 15/16" On-Center, Add	*6.02*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Set In Place Without Bolting, Deduct	*-1.23*	
		For Powder Coating, Add	*3.09*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	20.40	0.54
		For Bearing Bars At 15/16" On-Center, Add	*5.64*	
		For Crossbars At 2" On-Center, Add	*2.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.20*	
		For Powder Coating, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	28.15	0.54
		For Bearing Bars At 7/16" On-Center, Add	*39.27*	
		For Bearing Bars At 15/16" On-Center, Add	*7.91*	
		For Crossbars At 2" On-Center, Add	*2.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.39*	
		For Powder Coating, Add	*4.06*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	23.81	0.54
		For Bearing Bars At 15/16" On-Center, Add	*6.64*	
		For Crossbars At 2" On-Center, Add	*2.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.29*	
		For Powder Coating, Add	*3.41*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	32.26	0.54
		For Bearing Bars At 15/16" On-Center, Add	*9.11*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.50*	
		For Powder Coating, Add	*4.68*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	27.02	0.54
		For Bearing Bars At 15/16" On-Center, Add	*7.58*	
		For Crossbars At 2" On-Center, Add	*2.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.37*	
		For Powder Coating, Add	*3.89*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	36.50	0.54
		For Bearing Bars At 7/16" On-Center, Add	*51.37*	
		For Bearing Bars At 15/16" On-Center, Add	*10.35*	
		For Crossbars At 2" On-Center, Add	*3.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.60*	
		For Powder Coating, Add	*5.31*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	40.56	0.54
		For Bearing Bars At 15/16" On-Center, Add	*11.53*	
		For Crossbars At 2" On-Center, Add	*4.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.70*	
		For Powder Coating, Add	*5.92*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	45.36	0.54
		For Bearing Bars At 15/16" On-Center, Add	*12.93*	
		For Crossbars At 2" On-Center, Add	*4.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.82*	
		For Powder Coating, Add	*6.64*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	49.14	0.54
		For Bearing Bars At 15/16" On-Center, Add	*14.04*	
		For Crossbars At 2" On-Center, Add	*5.19*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.92*	
		For Powder Coating, Add	*7.21*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	53.63	0.54
		For Bearing Bars At 15/16" On-Center, Add	*15.35*	
		For Crossbars At 2" On-Center, Add	*5.68*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.03*	
		For Powder Coating, Add	*7.88*	

05 53 13 00-0044 Swage Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	43.10	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.77*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	48.28	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	52.58	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.17*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	60.53	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.36*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	68.51	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.56*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	76.45	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.76*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	84.43	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.96*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	18.75	0.54
		For Bearing Bars At 15/16" On-Center, Add	*11.32*	
		For Crossbars At 2" On-Center, Add	*1.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.16*	
		For Powder Coating, Add	*2.65*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	24.66	0.54
		For Bearing Bars At 15/16" On-Center, Add	*15.10*	
		For Crossbars At 2" On-Center, Add	*1.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.31*	
		For Powder Coating, Add	*3.54*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	21.41	0.54
		For Bearing Bars At 15/16" On-Center, Add	*13.02*	
		For Crossbars At 2" On-Center, Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.23*	
		For Powder Coating, Add	*3.05*	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	28.64	0.54
		For Bearing Bars At 15/16" On-Center, Add	*17.64*	
		For Crossbars At 2" On-Center, Add	*2.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.41*	
		For Powder Coating, Add	*4.14*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	24.56	0.54
		For Bearing Bars At 15/16" On-Center, Add	*15.03*	
		For Crossbars At 2" On-Center, Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.30*	
		For Powder Coating, Add	*3.52*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	32.91	0.54
		For Bearing Bars At 15/16" On-Center, Add	*20.38*	
		For Crossbars At 2" On-Center, Add	*2.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.51*	
		For Powder Coating, Add	*4.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	37.82	0.54
		For Bearing Bars At 15/16" On-Center, Add	*23.52*	
		For Crossbars At 2" On-Center, Add	*2.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.64*	
		For Powder Coating, Add	*5.51*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	42.70	0.54
		For Bearing Bars At 15/16" On-Center, Add	*26.64*	
		For Crossbars At 2" On-Center, Add	*3.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.76*	
		For Powder Coating, Add	*6.24*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	47.61	0.54
		For Bearing Bars At 15/16" On-Center, Add	*29.79*	
		For Crossbars At 2" On-Center, Add	*3.72*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-1.88*	
		For Powder Coating, Add	*6.98*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	52.50	0.54
		For Bearing Bars At 15/16" On-Center, Add	*32.92*	
		For Crossbars At 2" On-Center, Add	*4.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.00*	
		For Powder Coating, Add	*7.71*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	83.27	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.77*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	98.32	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.15*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	90.20	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.95*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	104.05	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.29*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	95.94	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.09*	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	114.73	0.54
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.56*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	101.71	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.39*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	121.80	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	132.05	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.15*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	154.94	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.72*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	162.92	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.92*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	170.02	0.66
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.10*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	41.44	0.54
		For 5/8" Clear Opening, Add	*13.93*	
		For Powder Coating, Add	*6.06*	
		For Set In Place Without Bolting, Deduct	*-1.73*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	49.42	0.54
		For 5/8" Clear Opening, Add	*16.68*	
		For Powder Coating, Add	*7.25*	
		For Set In Place Without Bolting, Deduct	*-1.93*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	45.70	0.54
		For 5/8" Clear Opening, Add	*15.40*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.69*	
		For Set In Place Without Bolting, Deduct	*-1.83*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	53.50	0.54
		For 5/8" Clear Opening, Add	*18.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.86*	
		For Set In Place Without Bolting, Deduct	*-2.03*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	51.41	0.54
		For 5/8" Clear Opening, Add	*17.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.55*	
		For Set In Place Without Bolting, Deduct	*-1.98*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	62.24	0.54
		For 5/8" Clear Opening, Add	*21.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.18*	
		For Set In Place Without Bolting, Deduct	*-2.25*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	55.31	0.54
		For 5/8" Clear Opening, Add	*18.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.14*	
		For Set In Place Without Bolting, Deduct	*-2.07*	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	69.06	0.54
		For 5/8" Clear Opening, Add	*23.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.20*	
		For Set In Place Without Bolting, Deduct	*-2.42*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	76.27	0.54
		For 5/8" Clear Opening, Add	*25.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.28*	
		For Set In Place Without Bolting, Deduct	*-2.60*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	91.08	0.54
		For 5/8" Clear Opening, Add	*31.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.50*	
		For Set In Place Without Bolting, Deduct	*-2.97*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	99.48	0.54
		For 5/8" Clear Opening, Add	*33.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.76*	
		For Set In Place Without Bolting, Deduct	*-3.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	110.75	0.54
		For 5/8" Clear Opening, Add	*37.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.45*	
		For Set In Place Without Bolting, Deduct	*-3.46*	

05 53 16 Plank Gratings *(05 53)*

05 53 16 00-0001 Grate-Lock Steel Plank Grating *(05 53 16)*

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	17.60	0.41
		For Stair Tread Application, Add	*1.88*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.61	0.51
		For Stair Tread Application, Add	*2.02*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	19.56	0.56
		For Stair Tread Application, Add	*2.12*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	21.37	0.61
		For Stair Tread Application, Add	*2.32*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	21.55	0.47
		For Stair Tread Application, Add	*2.29*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.74	0.56
		For Stair Tread Application, Add	*2.44*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	26.54	0.54
		For Stair Tread Application, Add	*2.81*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	28.02	0.66
		For Stair Tread Application, Add	*3.00*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.65	0.83
		For Stair Tread Application, Add	*3.21*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	32.70	0.93
		For Stair Tread Application, Add	*3.55*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	19.28	0.64
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	22.33	0.64
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	28.46	0.64
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	38.34	0.68
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	49.34	0.73

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	30.40	0.54
		For Powder Coating, Add	*4.40*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	34.91	0.64
		For Powder Coating, Add	*5.05*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	39.43	0.68
		For Powder Coating, Add	*5.71*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	37.86	0.73
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	45.35	0.83
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	59.04	0.98

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	67.95	2.83
		For 3/8" Thick, Add	*15.85*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	75.75	2.83
		For 3/8" Thick, Add	*17.80*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	83.52	2.83
		For 3/8" Thick, Add	*19.75*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	91.35	2.83
		For 3/8" Thick, Add	*21.70*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	99.10	2.83
		For 3/8" Thick, Add	*23.64*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	98.19	2.83
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	109.74	2.83
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	121.32	2.83
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	132.87	2.83
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	144.45	2.83

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0013		Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	31.47	2.83
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	38.54	2.83
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	41.65	2.83
05 55 13 00-0017		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	50.97	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	51.56	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	64.27	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	75.40	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	89.92	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0023		Stair Landing Treads *(05 55 13)*		
05 55 13 00-0024		Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	99.10	2.83
		For 3/8" Thick, Add	*23.64*	
05 55 13 00-0026		Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	144.45	2.83
05 55 13 00-0028		Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*		
		Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	91.20	2.83
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
05 55 13 00-0030		Open Cast Iron Stair Tread *(05 55 13)*		
		Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	685.83	19.54
		For Closed Riser, Add	*59.25*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	761.15	22.47
		For Closed Riser, Add	*65.68*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	834.06	26.38
		For Closed Riser, Add	*71.93*	
05 55 16		**Metal Stair Nosings** *(05 55)*		
05 55 16 00-0001		Abrasive Cast Aluminum Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	26.28	1.93
		For 3/8" Thick, Add	*5.80*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	33.81	1.93
		For 3/8" Thick, Add	*7.68*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	50.59	1.93
		For 3/8" Thick, Add	*11.88*	
05 55 16 00-0005		Abrasive Cast Iron Nosings *(05 55 16)*		
		Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	31.77	1.93
		For 3/8" Thick, Add	*7.17*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	41.04	1.93
		For 3/8" Thick, Add	*9.49*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	59.37	1.93
		For 3/8" Thick, Add	*14.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0009		Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	21.18	1.93
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	24.81	1.93
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.58	1.93
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	36.19	1.93
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	22.16	1.93
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	25.25	1.93
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.31	1.93
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	26.45	1.93

05 56 Metal Castings *(05 50)*

05 56 00 00-0001		Castings *(05 56)*		
05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.11	0.24
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.38	0.19

05 58 Formed Metal Fabrications *(05 50)*

05 58 13 Column Covers *(05 58)*

05 58 13 00-0001		Architectural Column Cover, Aluminum *(05 58 13)* Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pittcon Series 1500).		
05 58 13 00-0002	LF	10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	30.21	
05 58 13 00-0003	LF	12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	35.66	
05 58 13 00-0004	LF	14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	42.59	
05 58 13 00-0005	LF	16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	48.04	
05 58 13 00-0006	LF	18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	54.10	
05 58 13 00-0007	LF	20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	60.08	
05 58 13 00-0008	LF	24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	71.05	
05 58 13 00-0009	LF	30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	87.14	
05 58 13 00-0010	LF	36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	95.01	
05 58 13 00-0011	LF	42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	102.89	
05 58 13 00-0012	LF	48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	115.70	
05 58 13 00-0013	LF	54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	134.43	
05 58 13 00-0014		Monolithic Column Cover, Aluminum *(05 58 13)* Note: Includes painted, and column collars at top and bottom (Pittcon Series 100).		
05 58 13 00-0015	LF	7" Diameter Monolithic Column Cover, Aluminum, Factory	12.34	
05 58 13 00-0016	LF	8" Diameter Monolithic Column Cover, Aluminum, Factory	13.92	
05 58 13 00-0017	LF	9" Diameter Monolithic Column Cover, Aluminum, Factory	15.45	
05 58 13 00-0018	LF	10" Diameter Monolithic Column Cover, Aluminum, Factory	17.13	
05 58 13 00-0019	LF	12" Diameter Monolithic Column Cover, Aluminum, Factory Primed Note: Including Column Base And Top Collar	20.19	

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001		Drip Pan *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	112.67	3.32
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	111.20	3.32
05 58 16 00-0004	SF	Aluminum Drip Pan	77.28	2.66
05 58 16 00-0005	SF	Plastic Drip Pan	16.15	2.32

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001		Protective Guard Rails *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	197.29	9.29
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	236.28	9.29
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	273.07	9.29
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	312.06	9.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	349.06	9.29
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	397.01	9.29
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	429.69	9.29
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	480.28	9.29
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	513.47	9.29
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	537.19	9.29
05 58 23 00-0014		**Posts For 2-Rib Guard Rails** *(05 58 23 00-0002)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	384.40	19.35
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	519.83	19.35
05 58 23 00-0017		**3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)*		
		Note: Steel King Steel Guard.		
05 58 23 00-0018		**Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	220.79	9.29
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	246.72	9.29
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	279.07	9.29
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	309.32	9.29
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	344.31	9.29
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	361.18	9.29
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	401.76	9.29
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	436.01	9.29
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	472.37	9.29
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	509.26	9.29
05 58 23 00-0029		**Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	337.46	9.29
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	365.92	9.29
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	395.43	9.29
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	429.69	9.29
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	463.94	9.29
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	491.87	9.29
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	524.01	9.29
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	560.38	9.29
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	599.37	9.29
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	633.63	9.29
05 58 23 00-0040		**Posts For 3-Rib Guard Rails** *(05 58 23 00-0017)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	330.44	19.35
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	440.26	19.35
05 58 23 00-0043		**All-Welded, Protective Guards** *(05 58 23)*		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		**All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	429.44	25.80
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	455.79	25.80
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	471.08	25.80
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	493.74	25.80
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	488.47	25.80
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	516.40	25.80
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	524.30	25.80
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	533.26	25.80
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	575.94	25.80
05 58 23 00-0054		**Corner Style, All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	592.81	25.80
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	624.43	25.80
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	637.60	25.80
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	702.42	25.80
05 58 23 00-0059		**Warehouse Safety Bollards** *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	251.00	19.35
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	303.07	19.35
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	358.19	19.35
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	373.26	19.35
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	408.04	19.35

05 59 Metal Specialties *(05 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.45	0.46
		For Plastic Dipped, Add	*0.68*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.86	0.62
		For Plastic Dipped, Add	*0.84*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	10.05	1.24
		For Plastic Dipped, Add	*1.14*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	15.81	2.09
		For Plastic Dipped, Add	*1.74*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	26.68	3.54
		For Plastic Dipped, Add	*2.94*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	37.46	4.96
		For Plastic Dipped, Add	*4.13*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	52.77	6.20
		For Plastic Dipped, Add	*6.06*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	78.44	8.26
		For Plastic Dipped, Add	*9.29*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	130.75	12.39
		For Plastic Dipped, Add	*15.90*	

05 59 65 00-0011 316L Stainless Steel Chain, Cut Length *(05 59 65)*

05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,502.65	41.29
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,082.79	49.58
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	3,864.80	61.97
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,223.86	82.64
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	5,868.56	123.93
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	8,808.24	206.58

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001 Woven And Welded Wire Cloth *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*

05 59 69 00-0003 2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels	6.43	1.32
		For Up To 2, Add	*1.64*	
		For >2 To 6, Add	*0.91*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.70*	
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.80*	
		For 304 Stainless Steel, Add	*11.21*	
		For 316 Stainless Steel, Add	*12.84*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	6.97	1.37
		For Up To 2, Add	*1.76*	
		For >2 To 6, Add	*0.97*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.77*	
		For Galvanized, Add	*2.26*	
		For Aluminum, Add	*3.08*	
		For 304 Stainless Steel, Add	*12.31*	
		For 316 Stainless Steel, Add	*14.11*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	7.35	1.53
		For Up To 2, Add	*1.88*	
		For >2 To 6, Add	*1.04*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.80*	
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.74*	
		For 316 Stainless Steel, Add	*14.60*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	7.76	1.59
		For Up To 2, Add	*1.98*	
		For >2 To 6, Add	*1.09*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.85*	
		For Galvanized, Add	*2.48*	
		For Aluminum, Add	*3.38*	
		For 304 Stainless Steel, Add	*13.54*	
		For 316 Stainless Steel, Add	*15.51*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	8.44	1.78
		For Up To 2, Add	*2.16*	
		For >2 To 6, Add	*1.20*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	9.77	1.99
		For Up To 2, Add	*2.49*	
		For >2 To 6, Add	*1.38*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.13*	
		For Aluminum, Add	*4.27*	
		For 304 Stainless Steel, Add	*17.06*	
		For 316 Stainless Steel, Add	*19.55*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	11.14	2.18
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.55*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.94*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.63*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	12.86	2.43
		For Up To 2, Add	*3.22*	
		For >2 To 6, Add	*1.77*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.44*	
		For Galvanized, Add	*4.23*	
		For Aluminum, Add	*5.77*	
		For 304 Stainless Steel, Add	*23.09*	
		For 316 Stainless Steel, Add	*26.46*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	6.73	1.40
		For Up To 2, Add	*1.72*	
		For >2 To 6, Add	*0.95*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.14*	
		For Aluminum, Add	*2.92*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.37*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	7.49	1.48
		For Up To 2, Add	*1.89*	
		For >2 To 6, Add	*1.05*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.83*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*3.31*	
		For 304 Stainless Steel, Add	*13.22*	
		For 316 Stainless Steel, Add	*15.15*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	7.96	1.66
		For Up To 2, Add	*2.03*	
		For >2 To 6, Add	*1.13*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.86*	
		For Galvanized, Add	*2.53*	
		For Aluminum, Add	*3.45*	
		For 304 Stainless Steel, Add	*13.80*	
		For 316 Stainless Steel, Add	*15.81*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels	8.34	1.71
		For Up To 2, Add	*2.12*	
		For >2 To 6, Add	*1.18*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	9.08	1.92
		For Up To 2, Add	*2.33*	
		For >2 To 6, Add	*1.29*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.87*	
		For Aluminum, Add	*3.91*	
		For 304 Stainless Steel, Add	*15.65*	
		For 316 Stainless Steel, Add	*17.93*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels	10.51	2.14
		For Up To 2, Add	*2.67*	
		For >2 To 6, Add	*1.48*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.59*	
		For 304 Stainless Steel, Add	*18.36*	
		For 316 Stainless Steel, Add	*21.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels	11.99	2.35
		For Up To 2, Add	*3.03*	
		For >2 To 6, Add	*1.67*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.33*	
		For Galvanized, Add	*3.89*	
		For Aluminum, Add	*5.31*	
		For 304 Stainless Steel, Add	*21.24*	
		For 316 Stainless Steel, Add	*24.34*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	13.84	2.61
		For Up To 2, Add	*3.47*	
		For >2 To 6, Add	*1.91*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.55*	
		For Galvanized, Add	*4.55*	
		For Aluminum, Add	*6.21*	
		For 304 Stainless Steel, Add	*24.84*	
		For 316 Stainless Steel, Add	*28.46*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels	7.46	1.56
		For Up To 2, Add	*1.91*	
		For >2 To 6, Add	*1.06*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.37*	
		For Aluminum, Add	*3.23*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.82*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels	8.27	1.64
		For Up To 2, Add	*2.09*	
		For >2 To 6, Add	*1.15*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.68*	
		For Aluminum, Add	*3.65*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.75*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	8.71	1.81
		For Up To 2, Add	*2.23*	
		For >2 To 6, Add	*1.23*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.94*	
		For Galvanized, Add	*2.77*	
		For Aluminum, Add	*3.77*	
		For 304 Stainless Steel, Add	*15.10*	
		For 316 Stainless Steel, Add	*17.30*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels	9.21	1.89
		For Up To 2, Add	*2.35*	
		For >2 To 6, Add	*1.30*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	9.99	2.11
		For Up To 2, Add	*2.56*	
		For >2 To 6, Add	*1.42*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.08*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.21*	
		For 316 Stainless Steel, Add	*19.72*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels	11.48	2.34
		For Up To 2, Add	*2.92*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.68*	
		For Aluminum, Add	*5.02*	
		For 304 Stainless Steel, Add	*20.06*	
		For 316 Stainless Steel, Add	*22.99*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels	13.10	2.57
		For Up To 2, Add	*3.30*	
		For >2 To 6, Add	*1.82*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.45*	
		For Galvanized, Add	*4.26*	
		For Aluminum, Add	*5.81*	
		For 304 Stainless Steel, Add	*23.23*	
		For 316 Stainless Steel, Add	*26.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels	15.09	2.85
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.08*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.69*	
		For Galvanized, Add	*4.97*	
		For Aluminum, Add	*6.77*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*31.05*	
05 59 69 00-0030		1-1/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels	7.53	1.68
		For Up To 2, Add	*1.96*	
		For >2 To 6, Add	*1.09*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.79*	
		For Galvanized, Add	*2.32*	
		For Aluminum, Add	*3.17*	
		For 304 Stainless Steel, Add	*12.67*	
		For 316 Stainless Steel, Add	*14.52*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels	8.21	1.76
		For Up To 2, Add	*2.11*	
		For >2 To 6, Add	*1.18*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.57*	
		For Aluminum, Add	*3.51*	
		For 304 Stainless Steel, Add	*14.04*	
		For 316 Stainless Steel, Add	*16.09*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	8.99	1.84
		For Up To 2, Add	*2.29*	
		For >2 To 6, Add	*1.27*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.88*	
		For Aluminum, Add	*3.92*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.99*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels	9.30	1.88
		For Up To 2, Add	*2.36*	
		For >2 To 6, Add	*1.31*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*2.99*	
		For Aluminum, Add	*4.08*	
		For 304 Stainless Steel, Add	*16.32*	
		For 316 Stainless Steel, Add	*18.70*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	9.98	2.12
		For Up To 2, Add	*2.56*	
		For >2 To 6, Add	*1.42*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.18*	
		For 316 Stainless Steel, Add	*19.69*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels	11.26	2.38
		For Up To 2, Add	*2.89*	
		For >2 To 6, Add	*1.60*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.21*	
		For Galvanized, Add	*3.56*	
		For Aluminum, Add	*4.85*	
		For 304 Stainless Steel, Add	*19.39*	
		For 316 Stainless Steel, Add	*22.22*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	12.89	2.62
		For Up To 2, Add	*3.28*	
		For >2 To 6, Add	*1.81*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.41*	
		For Galvanized, Add	*4.13*	
		For Aluminum, Add	*5.63*	
		For 304 Stainless Steel, Add	*22.54*	
		For 316 Stainless Steel, Add	*25.82*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels	14.63	2.87
		For Up To 2, Add	*3.69*	
		For >2 To 6, Add	*2.04*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.62*	
		For Galvanized, Add	*4.76*	
		For Aluminum, Add	*6.49*	
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	16.88	3.19
		For Up To 2, Add	*4.23*	
		For >2 To 6, Add	*2.33*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.89*	
		For Galvanized, Add	*5.56*	
		For Aluminum, Add	*7.58*	
		For 304 Stainless Steel, Add	*30.31*	
		For 316 Stainless Steel, Add	*34.73*	
05 59 69 00-0040		**1" Square Wire Spacing** *(05 59 69 00-0002)*		
05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels	8.53	1.98
		For Up To 2, Add	*2.23*	
		For >2 To 6, Add	*1.25*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.89*	
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.55*	
		For 304 Stainless Steel, Add	*14.18*	
		For 316 Stainless Steel, Add	*16.25*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	9.23	2.05
		For Up To 2, Add	*2.39*	
		For >2 To 6, Add	*1.33*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*2.86*	
		For Aluminum, Add	*3.89*	
		For 304 Stainless Steel, Add	*15.58*	
		For 316 Stainless Steel, Add	*17.85*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	9.59	2.14
		For Up To 2, Add	*2.49*	
		For >2 To 6, Add	*1.39*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels	10.43	2.17
		For Up To 2, Add	*2.67*	
		For >2 To 6, Add	*1.48*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.13*	
		For Galvanized, Add	*3.31*	
		For Aluminum, Add	*4.52*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.71*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	11.57	2.45
		For Up To 2, Add	*2.97*	
		For >2 To 6, Add	*1.65*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.65*	
		For Aluminum, Add	*4.98*	
		For 304 Stainless Steel, Add	*19.92*	
		For 316 Stainless Steel, Add	*22.83*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	12.98	2.74
		For Up To 2, Add	*3.33*	
		For >2 To 6, Add	*1.85*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.40*	
		For Galvanized, Add	*4.10*	
		For Aluminum, Add	*5.59*	
		For 304 Stainless Steel, Add	*22.37*	
		For 316 Stainless Steel, Add	*25.63*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	14.95	3.05
		For Up To 2, Add	*3.80*	
		For >2 To 6, Add	*2.10*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.63*	
		For Galvanized, Add	*4.79*	
		For Aluminum, Add	*6.53*	
		For 304 Stainless Steel, Add	*26.14*	
		For 316 Stainless Steel, Add	*29.95*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	16.95	3.33
		For Up To 2, Add	*4.28*	
		For >2 To 6, Add	*2.36*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.88*	
		For Galvanized, Add	*5.51*	
		For Aluminum, Add	*7.51*	
		For 304 Stainless Steel, Add	*30.05*	
		For 316 Stainless Steel, Add	*34.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	19.48	3.68
		For Up To 2, Add	*4.88*	
		For >2 To 6, Add	*2.68*	
		For >15 To 40, Deduct	*-0.73*	
		For >40, Deduct	*-2.19*	
		For Galvanized, Add	*6.42*	
		For Aluminum, Add	*8.75*	
		For 304 Stainless Steel, Add	*34.99*	
		For 316 Stainless Steel, Add	*40.10*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	8.67	1.97
		For Up To 2, Add	*2.26*	
		For >2 To 6, Add	*1.26*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.66*	
		For Aluminum, Add	*3.63*	
		For 304 Stainless Steel, Add	*14.52*	
		For 316 Stainless Steel, Add	*16.64*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	9.67	2.20
		For Up To 2, Add	*2.52*	
		For >2 To 6, Add	*1.41*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	10.64	2.49
		For Up To 2, Add	*2.79*	
		For >2 To 6, Add	*1.56*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.10*	
		For Galvanized, Add	*3.22*	
		For Aluminum, Add	*4.39*	
		For 304 Stainless Steel, Add	*17.57*	
		For 316 Stainless Steel, Add	*20.13*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	11.56	2.66
		For Up To 2, Add	*3.02*	
		For >2 To 6, Add	*1.69*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.20*	
		For Galvanized, Add	*3.52*	
		For Aluminum, Add	*4.81*	
		For 304 Stainless Steel, Add	*19.22*	
		For 316 Stainless Steel, Add	*22.03*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	13.47	2.99
		For Up To 2, Add	*3.49*	
		For >2 To 6, Add	*1.95*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.42*	
		For Galvanized, Add	*4.17*	
		For Aluminum, Add	*5.69*	
		For 304 Stainless Steel, Add	*22.75*	
		For 316 Stainless Steel, Add	*26.07*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels	15.61	3.34
		For Up To 2, Add	*4.01*	
		For >2 To 6, Add	*2.23*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.67*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*6.69*	
		For 304 Stainless Steel, Add	*26.76*	
		For 316 Stainless Steel, Add	*30.66*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels	17.91	3.69
		For Up To 2, Add	*4.57*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.95*	
		For Galvanized, Add	*5.71*	
		For Aluminum, Add	*7.79*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*35.70*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels	20.20	4.02
		For Up To 2, Add	*5.11*	
		For >2 To 6, Add	*2.82*	
		For >15 To 40, Deduct	*-0.74*	
		For >40, Deduct	*-2.23*	
		For Galvanized, Add	*6.53*	
		For Aluminum, Add	*8.91*	
		For 304 Stainless Steel, Add	*35.64*	
		For 316 Stainless Steel, Add	*40.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels	23.22	4.44
		For Up To 2, Add	*5.83*	
		For >2 To 6, Add	*3.21*	
		For >15 To 40, Deduct	*-0.86*	
		For >40, Deduct	*-2.59*	
		For Galvanized, Add	*7.61*	
		For Aluminum, Add	*10.37*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*47.55*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels	9.00	2.11
		For Up To 2, Add	*2.36*	
		For >2 To 6, Add	*1.32*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.93*	
		For Galvanized, Add	*2.72*	
		For Aluminum, Add	*3.71*	
		For 304 Stainless Steel, Add	*14.86*	
		For 316 Stainless Steel, Add	*17.02*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels	10.41	2.56
		For Up To 2, Add	*2.76*	
		For >2 To 6, Add	*1.55*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.05*	
		For Galvanized, Add	*3.08*	
		For Aluminum, Add	*4.20*	
		For 304 Stainless Steel, Add	*16.80*	
		For 316 Stainless Steel, Add	*19.25*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels	12.67	3.03
		For Up To 2, Add	*3.34*	
		For >2 To 6, Add	*1.87*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.80*	
		For Aluminum, Add	*5.18*	
		For 304 Stainless Steel, Add	*20.71*	
		For 316 Stainless Steel, Add	*23.73*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	14.72	3.39
		For Up To 2, Add	*3.85*	
		For >2 To 6, Add	*2.15*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.53*	
		For Galvanized, Add	*4.48*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*24.46*	
		For 316 Stainless Steel, Add	*28.02*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels	17.03	3.79
		For Up To 2, Add	*4.42*	
		For >2 To 6, Add	*2.46*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.80*	
		For Galvanized, Add	*5.27*	
		For Aluminum, Add	*7.19*	
		For 304 Stainless Steel, Add	*28.75*	
		For 316 Stainless Steel, Add	*32.95*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels	19.68	4.22
		For Up To 2, Add	*5.06*	
		For >2 To 6, Add	*2.81*	
		For >15 To 40, Deduct	*-0.70*	
		For >40, Deduct	*-2.11*	
		For Galvanized, Add	*6.18*	
		For Aluminum, Add	*8.42*	
		For 304 Stainless Steel, Add	*33.70*	
		For 316 Stainless Steel, Add	*38.61*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels	22.44	4.64
		For Up To 2, Add	*5.73*	
		For >2 To 6, Add	*3.17*	
		For >15 To 40, Deduct	*-0.81*	
		For >40, Deduct	*-2.44*	
		For Galvanized, Add	*7.15*	
		For Aluminum, Add	*9.75*	
		For 304 Stainless Steel, Add	*39.00*	
		For 316 Stainless Steel, Add	*44.69*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels	25.26	5.03
		For Up To 2, Add	*6.40*	
		For >2 To 6, Add	*3.53*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels	25.93	5.55
		For Up To 2, Add	*6.66*	
		For >2 To 6, Add	*3.70*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	
05 59 69 00-0070		**Expanded Metal Panels** *(05 59 69)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0071		**Plain Flattened Expanded Metal Diamond Shape Panels** *(05 59 69 00-0070)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF	7.58	1.81
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.10*	
		For 304 Stainless Steel, Add	*12.38*	
		For 316 Stainless Steel, Add	*14.19*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF	9.95	1.99
		For Galvanized, Add	*3.21*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*17.50*	
		For 316 Stainless Steel, Add	*20.05*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF	5.33	1.40
		For Galvanized, Add	*1.52*	
		For Aluminum, Add	*2.08*	
		For 304 Stainless Steel, Add	*8.30*	
		For 316 Stainless Steel, Add	*9.52*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF	5.83	1.53
		For Galvanized, Add	*1.67*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*9.10*	
		For 316 Stainless Steel, Add	*10.42*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF	6.47	1.81
		For Galvanized, Add	*1.78*	
		For Aluminum, Add	*2.43*	
		For 304 Stainless Steel, Add	*9.72*	
		For 316 Stainless Steel, Add	*11.14*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF	8.27	2.34
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.09*	
		For 304 Stainless Steel, Add	*12.36*	
		For 316 Stainless Steel, Add	*14.16*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF	4.43	1.37
		For Galvanized, Add	*1.14*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*6.22*	
		For 316 Stainless Steel, Add	*7.12*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF	5.06	1.48
		For Galvanized, Add	*1.36*	
		For Aluminum, Add	*1.85*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*8.47*	
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	5.81	1.66
		For Galvanized, Add	*1.58*	
		For Aluminum, Add	*2.16*	
		For 304 Stainless Steel, Add	*8.64*	
		For 316 Stainless Steel, Add	*9.90*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	8.98	2.74
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.77*	
		For 316 Stainless Steel, Add	*14.63*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	4.75	1.68
		For Galvanized, Add	*1.10*	
		For Aluminum, Add	*1.50*	
		For 304 Stainless Steel, Add	*6.00*	
		For 316 Stainless Steel, Add	*6.88*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	4.28	1.32
		For Galvanized, Add	*1.11*	
		For Aluminum, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.05*	
		For 316 Stainless Steel, Add	*6.93*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	4.90	1.56
		For Galvanized, Add	*1.25*	
		For Aluminum, Add	*1.70*	
		For 304 Stainless Steel, Add	*6.79*	
		For 316 Stainless Steel, Add	*7.78*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	8.04	2.11
		For Galvanized, Add	*2.30*	
		For Aluminum, Add	*3.14*	
		For 304 Stainless Steel, Add	*12.55*	
		For 316 Stainless Steel, Add	*14.38*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs (05 70)

05 71 13 Fabricated Metal Spiral Stairs (05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units (05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread (05 71 13 00-0001)

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	412.61	24.43
		For Galvanized, Add	*254.63*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	472.49	26.87
		For Galvanized, Add	*293.13*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	523.91	29.31
		For Galvanized, Add	*325.70*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	560.51	31.76
		For Galvanized, Add	*347.90*	

05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings (05 73)

05 73 23 00-0001 Railings; Vertical Square Bars At 6" (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	50.04	5.38
		For Rake Or Angle Railings, Add	*5.77*	
		For Curved Railings, Add	*16.59*	
		For 4" On Center Standards, Add	*2.13*	
		For 4-1/2" On Center Standards, Add	*1.70*	
		For 5" On Center Standards, Add	*1.14*	
		For 5-1/2" On Center Standards, Add	*0.57*	
		For Each Field Bending Of Rails, Add	*7.91*	
		For Galvanized, Add	*3.97*	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	181.15	7.33
		For Rake Or Angle Railings, Add	*15.35*	
		For Curved Railings, Add	*75.61*	
		For 4" On Center Standards, Add	*11.35*	
		For 4-1/2" On Center Standards, Add	*9.08*	
		For 5" On Center Standards, Add	*6.05*	
		For 5-1/2" On Center Standards, Add	*3.03*	
		For Each Field Bending Of Rails, Add	*9.95*	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	104.60	12.22
		For Rake Or Angle Railings, Add	*11.80*	
		For Curved Railings, Add	*35.41*	
		For 4" On Center Standards, Add	*4.62*	
		For 4-1/2" On Center Standards, Add	*3.70*	
		For 5" On Center Standards, Add	*2.46*	
		For 5-1/2" On Center Standards, Add	*1.23*	
		For Each Field Bending Of Rails, Add	*13.25*	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	245.75	9.77
		For Rake Or Angle Railings, Add	*20.74*	
		For Curved Railings, Add	*102.80*	
		For 4" On Center Standards, Add	*15.46*	
		For 4-1/2" On Center Standards, Add	*12.36*	
		For 5" On Center Standards, Add	*8.24*	
		For 5-1/2" On Center Standards, Add	*4.12*	
		For Each Field Bending Of Rails, Add	*12.42*	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	379.26	14.90
		For Rake Or Angle Railings, Add	*28.43*	
		For Curved Railings, Add	*168.72*	
		For 4" On Center Standards, Add	*26.21*	
		For 4-1/2" On Center Standards, Add	*20.97*	
		For 5" On Center Standards, Add	*13.98*	
		For 5-1/2" On Center Standards, Add	*6.99*	
		For Each Field Bending Of Rails, Add	*9.95*	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	170.96	2.44
		For Rake Or Angle Railings, Add	*12.27*	
		For Curved Railings, Add	*77.57*	
		For 4" On Center Standards, Add	*12.17*	
		For 4-1/2" On Center Standards, Add	*9.74*	
		For 5" On Center Standards, Add	*6.49*	
		For 5-1/2" On Center Standards, Add	*3.25*	
		For Each Field Bending Of Rails, Add	*4.67*	
		For Exterior Post-Installed Anchors, Add	*9.56*	

05 73 23 00-0009 Plain Handrails (05 73 23)

05 73 23 00-0010	LF	2" Brass Handrail	48.64	5.17
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	69.28	19.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	28.22	9.60
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	50.55	19.15
05 73 23 00-0014	LF	2" Stainless Steel Handrail	55.14	6.46

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73 23)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0365 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	4.92	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	4.87	

05 73 23 00-0018 Remove/Reinstall Ornamental Railing *(05 73 23)*

05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	44.95	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	23.64	1.02
		For >16 To 200, Deduct	*-1.26*	
		For >200 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.70*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	30.08	1.13
		For >16 To 200, Deduct	*-1.59*	
		For >200 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-4.68*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	32.99	1.23
		For >16 To 200, Deduct	*-1.74*	
		For >200 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-5.13*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	35.78	1.29
		For >16 To 200, Deduct	*-1.89*	
		For >200 To 500, Deduct	*-3.77*	
		For >500, Deduct	*-5.56*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	41.27	1.34
		For >16 To 200, Deduct	*-2.16*	
		For >200 To 500, Deduct	*-4.33*	
		For >500, Deduct	*-6.39*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	53.49	1.40
		For >16 To 200, Deduct	*-2.78*	
		For >200 To 500, Deduct	*-5.56*	
		For >500, Deduct	*-8.23*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	63.42	1.47
		For >16 To 200, Deduct	*-3.28*	
		For >200 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.73*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	77.54	1.59
		For >16 To 200, Deduct	*-4.00*	
		For >200 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-11.87*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	96.22	1.71
		For >16 To 200, Deduct	*-4.94*	
		For >200 To 500, Deduct	*-9.88*	
		For >500, Deduct	*-14.69*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	144.05	1.84
		For >16 To 200, Deduct	*-7.34*	
		For >200 To 500, Deduct	*-14.68*	
		For >500, Deduct	*-21.88*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	11.19	1.07
		For >16 To 200, Deduct	*-0.64*	
		For >200 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.84*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	12.87	1.16
		For >16 To 200, Deduct	*-0.73*	
		For >200 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.10*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.19	1.22
		For >16 To 200, Deduct	*-0.80*	
		For >200 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.31*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.20	1.27
		For >16 To 200, Deduct	*-0.96*	
		For >200 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.77*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.13	1.33
		For >16 To 200, Deduct	*-1.11*	
		For >200 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.87	1.38
		For >16 To 200, Deduct	*-1.30*	
		For >200 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.79*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	35.81	1.62
		For >16 To 200, Deduct	*-1.91*	
		For >200 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.61*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	50.28	1.71
		For >16 To 200, Deduct	*-2.64*	
		For >200 To 500, Deduct	*-5.29*	
		For >500, Deduct	*-7.80*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	69.88	2.08
		For >16 To 200, Deduct	*-3.65*	
		For >200 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.79*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	121.68	2.23
		For >16 To 200, Deduct	*-6.25*	
		For >200 To 500, Deduct	*-12.50*	
		For >500, Deduct	*-18.59*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	156.68	2.59
		For >16 To 200, Deduct	*-8.03*	
		For >200 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-23.89*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	7.38	1.02
		For >16 To 200, Deduct	*-0.45*	
		For >200 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.26*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	8.48	1.13
		For >16 To 200, Deduct	*-0.51*	
		For >200 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.44*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	9.64	1.23
		For >16 To 200, Deduct	*-0.57*	
		For >200 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.63*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	11.00	1.29
		For >16 To 200, Deduct	*-0.65*	
		For >200 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.84*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	12.34	1.34
		For >16 To 200, Deduct	*-0.72*	
		For >200 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.05*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	13.85	1.40
		For >16 To 200, Deduct	*-0.80*	
		For >200 To 500, Deduct	*-1.60*	
		For >500, Deduct	*-2.29*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	15.77	1.47
		For >16 To 200, Deduct	*-0.90*	
		For >200 To 500, Deduct	*-1.80*	
		For >500, Deduct	*-2.59*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	18.90	1.71
		For >16 To 200, Deduct	*-1.07*	
		For >200 To 500, Deduct	*-2.15*	
		For >500, Deduct	*-3.09*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	5.79	1.02
		For >16 To 200, Deduct	*-0.37*	
		For >200 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.02*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	6.41	1.13
		For >16 To 200, Deduct	*-0.41*	
		For >200 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.13*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	6.75	1.23
		For >16 To 200, Deduct	*-0.43*	
		For >200 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.20*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	7.22	1.29
		For >16 To 200, Deduct	*-0.46*	
		For >200 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.28*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	7.88	1.34
		For >16 To 200, Deduct	*-0.49*	
		For >200 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.38*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	8.63	1.40
		For >16 To 200, Deduct	*-0.54*	
		For >200 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	9.95	1.47
		For >16 To 200, Deduct	*-0.61*	
		For >200 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.71*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.71	1.59
		For >16 To 200, Deduct	*-0.70*	
		For >200 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.00*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.50	1.84
		For >16 To 200, Deduct	*-0.81*	
		For >200 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.30*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	7.84	0.97
		For >16 To 200, Deduct	*-0.49*	
		For >200 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.37*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	9.15	1.09
		For >16 To 200, Deduct	*-0.57*	
		For >200 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.59*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	10.49	1.22
		For >16 To 200, Deduct	*-0.65*	
		For >200 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.82*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	11.71	1.31
		For >16 To 200, Deduct	*-0.72*	
		For >200 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.02*	

END OF SECTION 05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002 SF Restoration Of Existing Decorative Woodwork 4.26
Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002 EA Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges 26.65
06 01 40 91-0003 EA Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges 30.15

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*
Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002 EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt 8.45
For >10 To 50, Deduct -0.18
For >50 To 100, Deduct -0.49
For >100 To 250, Deduct -0.97
For >250 To 500, Deduct -1.65
For >500, Deduct -2.32

06 05 23 00-0003 EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt 12.07
For >10 To 50, Deduct -0.20
For >50 To 100, Deduct -0.60
For >100 To 250, Deduct -1.20
For >250 To 500, Deduct -1.99
For >500, Deduct -2.79

06 05 23 00-0004 EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt 13.84
For >10 To 50, Deduct -0.20
For >50 To 100, Deduct -0.64
For >100 To 250, Deduct -1.29
For >250 To 500, Deduct -2.13
For >500, Deduct -2.97

06 05 23 00-0005 EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt 29.28
For >10 To 50, Deduct -0.27
For >50 To 100, Deduct -1.14
For >100 To 250, Deduct -2.28
For >250 To 500, Deduct -3.69
For >500, Deduct -5.10

06 05 23 00-0006 Framing Anchors *(06 05 23)*
Note: Including nails.

06 05 23 00-0007 EA 1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34) ..... 3.80 — 1.54
For >10 To 50, Deduct -0.15
For >50 To 100, Deduct -0.32
For >100 To 250, Deduct -0.63
For >250 To 500, Deduct -1.09
For >500, Deduct -1.56

06 05 23 00-0008 EA 1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35) ..... 4.20 — 1.70
For >10 To 50, Deduct -0.17
For >50 To 100, Deduct -0.35
For >100 To 250, Deduct -0.71
For >250 To 500, Deduct -1.23
For >500, Deduct -1.74

06 05 23 00-0009 Angle Anchors *(06 05 23)*
Note: Including nails.

06 05 23 00-0010 EA 2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21) ..... 3.91 — 1.54
For >10 To 50, Deduct -0.15
For >50 To 100, Deduct -0.32
For >100 To 250, Deduct -0.64
For >250 To 500, Deduct -1.10
For >500, Deduct -1.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	4.44	1.64
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.70*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	11.13	1.70
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.44*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	9.48	1.70
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.27*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	10.32	1.91
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.49*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	12.05	2.01
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.77*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	4.78	1.44
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.65*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	6.78	1.54
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-1.93*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	8.25	1.59
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.11*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	9.48	1.64
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.30*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	5.67	1.44
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.74*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	6.47	1.54
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.35*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	8.17	1.59
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.11*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	10.43	1.64
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.40*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/2" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	43.39	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.73*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	70.37	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-5.99*	
		For >250 To 500, Deduct	*-9.81*	
		For >500, Deduct	*-13.63*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	91.40	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-7.20*	
		For >250 To 500, Deduct	*-11.67*	
		For >500, Deduct	*-16.15*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	109.66	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.42*	
		For >250 To 500, Deduct	*-13.61*	
		For >500, Deduct	*-18.80*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	189.07	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 250, Deduct	*-13.16*	
		For >250 To 500, Deduct	*-20.98*	
		For >500, Deduct	*-28.80*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	266.97	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-17.21*	
		For >250 To 500, Deduct	*-27.11*	
		For >500, Deduct	*-37.00*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	55.71	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-8.57*	
		For >500, Deduct	*-11.96*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	63.57	
		For >10 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.95*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	72.75	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.28*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	93.18	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-3.80*	
		For >100 To 250, Deduct	*-7.60*	
		For >250 To 500, Deduct	*-12.37*	
		For >500, Deduct	*-17.15*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	120.78	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-9.75*	
		For >250 To 500, Deduct	*-15.86*	
		For >500, Deduct	*-21.97*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	137.97	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-5.38*	
		For >100 To 250, Deduct	*-10.76*	
		For >250 To 500, Deduct	*-17.43*	
		For >500, Deduct	*-24.10*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	4.35	1.44
		For >10 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.61*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	5.12	1.54
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.76*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	9.06	1.59
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.19*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	10.06	1.64
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.36*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	18.16	1.76
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.21*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	22.58	1.81
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.69*	

06 05 23 00-0045 Anchor And Ties *(06 05 23)*

Note: Including nails.

06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4) Note: Includes nails. Excludes anchor bolt.	39.12	
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5) Note: Includes nails. Excludes anchor bolt.	48.65	
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	4.06	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	4.78	

06 05 23 00-0050 Hurricane Ties *(06 05 23)*

06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	4.22	1.59
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.84*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	1.96	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.20	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	6.54	1.59
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.47*	
		For >500, Deduct	*-2.07*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	16.45	

06 05 23 00-0056 Post Column Bases *(06 05 23)*

Note: Including nails.

06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	31.80	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	52.68	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	54.29	

06 05 23 00-0060 Post Column Caps *(06 05 23)*

Note: Including nails.

06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	14.70	1.81
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	39.76	1.81
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.65*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	213.06	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-18.81*	
		For >500, Deduct	*-25.43*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	220.47	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-12.76*	
		For >250 To 500, Deduct	*-19.72*	
		For >500, Deduct	*-26.68*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	130.93	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-8.09*	
		For >250 To 500, Deduct	*-12.66*	
		For >500, Deduct	*-17.22*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	215.48	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-12.51*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.18*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	226.26	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-13.05*	
		For >250 To 500, Deduct	*-20.16*	
		For >500, Deduct	*-27.26*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	232.49	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-13.29*	
		For >250 To 500, Deduct	*-20.48*	
		For >500, Deduct	*-27.68*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	233.52	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-13.49*	
		For >250 To 500, Deduct	*-20.84*	
		For >500, Deduct	*-28.20*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	233.52	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-13.49*	
		For >250 To 500, Deduct	*-20.84*	
		For >500, Deduct	*-28.20*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	274.81	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-15.40*	
		For >250 To 500, Deduct	*-23.66*	
		For >500, Deduct	*-31.91*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	275.84	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-32.43*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	275.84	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-32.43*	
		For Hot Dipped Galvanized, Add	*118.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	340.33	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-9.34*	
		For >100 To 250, Deduct	*-18.68*	
		For >250 To 500, Deduct	*-28.57*	
		For >500, Deduct	*-38.47*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	341.36	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 250, Deduct	*-18.88*	
		For >250 To 500, Deduct	*-28.93*	
		For >500, Deduct	*-38.98*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	341.36	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 250, Deduct	*-18.88*	
		For >250 To 500, Deduct	*-28.93*	
		For >500, Deduct	*-38.98*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	213.06	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-18.81*	
		For >500, Deduct	*-25.43*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	220.47	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-12.76*	
		For >250 To 500, Deduct	*-19.72*	
		For >500, Deduct	*-26.68*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	130.93	
		For >10 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-8.09*	
		For >250 To 500, Deduct	*-12.66*	
		For >500, Deduct	*-17.22*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	215.48	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-12.51*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.18*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	226.26	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-13.05*	
		For >250 To 500, Deduct	*-20.16*	
		For >500, Deduct	*-27.26*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	232.49	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-13.29*	
		For >250 To 500, Deduct	*-20.48*	
		For >500, Deduct	*-27.68*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	233.52	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-13.49*	
		For >250 To 500, Deduct	*-20.84*	
		For >500, Deduct	*-28.20*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	233.52	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-13.49*	
		For >250 To 500, Deduct	*-20.84*	
		For >500, Deduct	*-28.20*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	274.81	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 250, Deduct	*-15.40*	
		For >250 To 500, Deduct	*-23.66*	
		For >500, Deduct	*-31.91*	
		For Hot Dipped Galvanized, Add	*118.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	275.84	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-32.43*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	275.84	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-32.43*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	340.33	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-9.34*	
		For >100 To 250, Deduct	*-18.68*	
		For >250 To 500, Deduct	*-28.57*	
		For >500, Deduct	*-38.47*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	341.36	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 250, Deduct	*-18.88*	
		For >250 To 500, Deduct	*-28.93*	
		For >500, Deduct	*-38.98*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	341.36	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-9.44*	
		For >100 To 250, Deduct	*-18.88*	
		For >250 To 500, Deduct	*-28.93*	
		For >500, Deduct	*-38.98*	
		For Hot Dipped Galvanized, Add	*148.16*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	6.19	1.59
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.04*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	7.16	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.40*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	7.36	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.42*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	7.48	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.43*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	8.87	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.79*	
		For >500, Deduct	*-3.98*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	8.20	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.70*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	9.05	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	9.37	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.03*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.15	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.39*	
		For >500, Deduct	*-4.83*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.64	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.64*	
		For >500, Deduct	*-5.18*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.61	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.79*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	9.73	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.07*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.07	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-3.10*	
		For >500, Deduct	*-4.40*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.86	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-4.69*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	13.36	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.70*	
		For >500, Deduct	*-5.26*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.01	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-6.14*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.55	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.79*	
		For >500, Deduct	*-6.80*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.65	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.73*	
		For >500, Deduct	*-5.28*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.46	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-4.00*	
		For >500, Deduct	*-5.67*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.64	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.74*	
		For >500, Deduct	*-6.70*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.95	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.21*	
		For >500, Deduct	*-7.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.16	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.34*	
		For >250 To 500, Deduct	*-5.65*	
		For >500, Deduct	*-7.97*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.24	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-5.80*	
		For >500, Deduct	*-8.18*	

06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.52	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-3.43*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.89	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.47*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.30	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.47*	
		For >500, Deduct	*-3.51*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.26	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.12*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.70	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.75*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	9.83	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.86*	
		For >500, Deduct	*-4.08*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.29	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.67*	
		For >250 To 500, Deduct	*-2.90*	
		For >500, Deduct	*-4.12*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.55	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.97*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.20	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.34*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.07	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.18*	
		For >500, Deduct	*-5.94*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.90	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-4.18*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.00	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.17*	
		For >500, Deduct	*-4.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.96	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.94	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.41*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.56	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.29*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.74	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-6.92*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.18	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-3.99*	
		For >500, Deduct	*-5.63*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.92	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.91*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.39	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-4.87*	
		For >500, Deduct	*-6.88*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.82	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.32*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.43	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-5.82*	
		For >500, Deduct	*-8.20*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.98	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.16*	
		For >500, Deduct	*-8.66*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	8.61	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.54*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	10.70	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.65*	
		For >500, Deduct	*-3.75*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	12.07	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.89*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.83	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.21*	
		For >500, Deduct	*-5.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.06	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.99*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.61	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-4.55*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	15.27	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.27*	
		For >500, Deduct	*-4.62*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	38.64	
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.45*	
		For >500, Deduct	*-7.58*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	50.05	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-8.93*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	56.36	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-9.96*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.05	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.48	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-3.80*	
		For >500, Deduct	*-5.34*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.35	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.24*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	51.97	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.12*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	58.13	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-4.61*	
		For >250 To 500, Deduct	*-7.48*	
		For >500, Deduct	*-10.35*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	102.40	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.98*	
		For >250 To 500, Deduct	*-11.08*	
		For >500, Deduct	*-15.19*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	79.15	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 250, Deduct	*-5.43*	
		For >250 To 500, Deduct	*-8.63*	
		For >500, Deduct	*-11.84*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	117.24	
		For >10 To 50, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 500, Deduct	*-11.91*	
		For >500, Deduct	*-16.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	131.37	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-8.35*	
		For >250 To 500, Deduct	*-13.11*	
		For >500, Deduct	*-17.88*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	203.36	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-12.10*	
		For >250 To 500, Deduct	*-18.79*	
		For >500, Deduct	*-25.49*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	214.23	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-6.36*	
		For >100 To 250, Deduct	*-12.72*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-26.78*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	18.27	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-4.51*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	21.94	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.87*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	23.70	
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.27*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.25*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	29.32	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.32*	
		For >500, Deduct	*-6.02*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	45.66	
		For >10 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.44*	
		For >250 To 500, Deduct	*-5.55*	
		For >500, Deduct	*-7.66*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	50.13	
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 500, Deduct	*-6.03*	
		For >500, Deduct	*-8.31*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	54.30	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 250, Deduct	*-4.03*	
		For >250 To 500, Deduct	*-6.48*	
		For >500, Deduct	*-8.93*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	6.73	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.25*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	6.90	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.27*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	7.26	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	7.55	
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.56*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	8.39	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.85*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	8.78	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.89*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	11.08	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.72*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	11.81	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.51*	
		For >500, Deduct	*-4.99*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	8.70	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-3.90*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	9.76	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.21*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	10.99	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.54*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	12.84	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.60*	
		For >500, Deduct	*-5.12*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	15.46	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.21*	
		For >500, Deduct	*-5.99*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	16.88	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.60*	
		For >500, Deduct	*-6.54*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	15.19	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.78*	
		For >500, Deduct	*-5.36*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	18.73	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.32*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	21.93	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.84*	
		For >500, Deduct	*-6.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	25.39	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-5.38*	
		For >500, Deduct	*-7.59*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	30.22	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.48*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.28*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	6.81	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.26*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	7.08	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.29*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	7.35	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.32*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	7.70	
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.58*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	8.62	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.87*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	9.06	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.91*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	11.61	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.94*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.77*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	12.69	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-3.57*	
		For >500, Deduct	*-5.08*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	9.10	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.94*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	9.98	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.97*	
		For >500, Deduct	*-4.23*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	11.39	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-4.58*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.03	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.69*	
		For >500, Deduct	*-5.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.04	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-6.05*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.31	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.71*	
		For >500, Deduct	*-6.68*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.07	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-3.85*	
		For >500, Deduct	*-5.45*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.53	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.40*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.26	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.91*	
		For >250 To 500, Deduct	*-4.94*	
		For >500, Deduct	*-6.97*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.55	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-7.91*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	33.60	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.13*	
		For >500, Deduct	*-8.62*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	7.76	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.36*	
		For >500, Deduct	*-3.36*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	8.75	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.46*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	11.41	
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.72*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	10.38	
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.71*	
		For >500, Deduct	*-3.85*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	12.37	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-4.25*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.07	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-4.42*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	39.29	
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.43*	
		For >500, Deduct	*-7.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	60.55	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-4.46*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-9.87*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.18	
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-4.45*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.24	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.59*	
		For >500, Deduct	*-5.06*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	24.89	
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.23*	
		For >500, Deduct	*-5.93*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	65.43	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.38*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	92.35	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.68*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	109.33	
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-7.28*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-15.78*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	104.22	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.65*	
		For >250 To 500, Deduct	*-10.46*	
		For >500, Deduct	*-14.26*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	118.88	
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-3.81*	
		For >100 To 250, Deduct	*-7.61*	
		For >250 To 500, Deduct	*-11.97*	
		For >500, Deduct	*-16.33*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	123.62	
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-7.92*	
		For >250 To 500, Deduct	*-12.47*	
		For >500, Deduct	*-17.01*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	177.16	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-5.38*	
		For >100 To 250, Deduct	*-10.75*	
		For >250 To 500, Deduct	*-16.76*	
		For >500, Deduct	*-22.77*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	194.41	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-5.85*	
		For >100 To 250, Deduct	*-11.69*	
		For >250 To 500, Deduct	*-18.19*	
		For >500, Deduct	*-24.70*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	1.25
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	1.28
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	1.33
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	1.51

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	1.03
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	1.06
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	1.10
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	1.25
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	1.08
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	1.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	1.15	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	1.35	

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	25.49	
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-6.86*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	28.98	
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.26*	
		For >250 To 500, Deduct	*-5.49*	
		For >500, Deduct	*-7.72*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	31.61	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.51*	
		For >250 To 500, Deduct	*-5.90*	
		For >500, Deduct	*-8.30*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	36.41	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.86*	
		For >250 To 500, Deduct	*-6.47*	
		For >500, Deduct	*-9.08*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	38.97	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.86*	
		For >500, Deduct	*-9.63*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	40.34	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-10.01*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	37.08	
		For >10 To 50, Deduct	*-0.64*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-8.85*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	38.89	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.24*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	44.12	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.08*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	47.88	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.75*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	52.05	
		For >10 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 250, Deduct	*-4.95*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.46*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	10.27	1.91
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.95*	
		For >500, Deduct	*-2.74*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	9.49	2.01
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0262		**Sill Anchors** *(06 05 23 00-0258)*		
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	7.87	2.01
		For >10 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.58*	
06 05 23 00-0264		**Spike Grids** *(06 05 23 00-0258)*		
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	6.67	1.91
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.68*	
		For >500, Deduct	*-2.38*	
06 05 23 00-0266		**Split Rings** *(06 05 23 00-0258)*		
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	10.47	1.91
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.76*	
06 05 23 00-0268	EA	4" Diameter Split Ring	11.20	2.11
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-3.00*	
06 05 23 00-0269		**Toothed Rings** *(06 05 23 00-0258)*		
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	7.38	1.91
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.45*	
06 05 23 00-0271		**Straps And Shields** *(06 05 23)*		
06 05 23 00-0272		**Shield Plate** *(06 05 23 00-0271)*		
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	8.46	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.33	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.79*	
06 05 23 00-0275		**Strap Ties** *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	2.35	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.47*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	2.45	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.48*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	3.17	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.61*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	3.39	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	3.60	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.66*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	4.02	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.76*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	6.01	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.96*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	6.96	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.11*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	2.79	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.52*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	2.96	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.53*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	3.80	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	4.06	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	4.19	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.72*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	4.65	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.82*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	6.43	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.00*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	6.97	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.11*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	12.36	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.71*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	3.62	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	3.63	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	4.35	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	6.43	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.00*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	5.99	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.84*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	6.79	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.92*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.01	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	14.04	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.76*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	17.71	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.55*	
		For >500, Deduct	*-2.19*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	27.25	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.20*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	49.63	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.01*	
		For >500, Deduct	*-5.50*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	64.66	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-5.17*	
		For >500, Deduct	*-7.06*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	17.26	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-2.08*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	22.62	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.68*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	26.48	
		For >10 To 50, Deduct	*-0.05*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	41.72	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.20*	
		For >250 To 500, Deduct	*-3.42*	
		For >500, Deduct	*-4.71*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	3.05	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	4.06	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	4.77	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.77*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	5.13	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	2.99	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.54*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	4.16	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.68*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	4.94	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	5.19	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.85*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	7.76	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.13*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	5.97	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.86*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	7.10	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	8.42	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.20*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	5.76	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	6.91	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-0.99*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	8.74	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.17*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	10.98	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.45*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	24.40	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.02*	
		For >500, Deduct	*-2.79*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	24.52	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.81*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	33.85	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.74*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	31.63	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.52*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	34.51	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.78*	
		For >500, Deduct	*-3.81*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	36.70	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.02*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	56.94	
		For >10 To 50, Deduct	*-0.04*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.46*	
		For >500, Deduct	*-6.05*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	2.01	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.44*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	2.19	
		For >10 To 50, Deduct	*-0.03*	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.46*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber		814.90	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber		151.79	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist		3.23	0.89
		For Each Additional 2" x_" In The Built Up Member, Add		*0.94*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist		4.22	1.04
		For Each Additional 2" x_" In The Built Up Member, Add		*1.33*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist		5.56	1.26
		For Each Additional 2" x_" In The Built Up Member, Add		*1.84*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post		3.23	0.89
		For Each Additional 2" x_" In The Built Up Member, Add		*0.94*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post		4.22	1.04
		For Each Additional 2" x_" In The Built Up Member, Add		*1.33*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post		5.56	1.26
		For Each Additional 2" x_" In The Built Up Member, Add		*1.84*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter		1.76	0.62
06 11 16 00-0004	LF	2" x 8" Wood Rafter		2.21	0.68
06 11 16 00-0005	LF	2" x 10" Wood Rafter		3.15	0.99
06 11 16 00-0006	LF	2" x 12" Wood Rafter		3.70	1.09
06 11 16 00-0007	LF	2" x 14" Wood Rafter		4.05	1.21
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter		1.69	0.62
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter		2.10	0.68
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter		2.80	0.99
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter		3.42	1.09

06 11 16 00-0012 Joists *(06 11 16 00-0001)*

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist		1.61	0.52
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist		2.10	0.57
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist		2.78	0.73
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist		3.32	0.83
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist		3.69	0.89
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist		1.54	0.52
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist		1.99	0.57
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist		2.43	0.73
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist		3.04	0.83

06 11 16 00-0022 Purlins *(06 11 16 00-0001)*

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin		1.18	0.31
06 11 16 00-0024	LF	2" x 6" Wood Purlin		1.62	0.34
06 11 16 00-0025	LF	2" x 8" Wood Purlin		2.08	0.39
06 11 16 00-0026	LF	2" x 10" Wood Purlin		2.67	0.42
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin		1.14	0.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	1.55	0.34
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	1.97	0.39
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	2.32	0.42
06 11 16 00-0031		Exposed Rafters Or Joists *(06 11 16 00-0001)*		
06 11 16 00-0032		Redwood Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	2.98	0.52
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.70	0.57
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.67	0.73
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	5.71	0.83
06 11 16 00-0037		Cedar Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	1.62	0.52
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	1.78	0.57
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.01	0.73
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	2.22	0.83
06 11 16 00-0042		Oak Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.18	0.52
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	3.20	0.57
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	4.27	0.73
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	5.33	0.83
06 11 16 00-0047		Framing *(06 11 16)*		
06 11 16 00-0048		Partition Framing *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.16	0.42
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	1.55	0.45
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	1.98	0.47
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	1.12	0.42
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	1.48	0.45
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	1.87	0.47
06 11 16 00-0055		Wall Framing Assemblies *(06 11 16 00-0047)* Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		Wall Framing By The SF, 12" On Center *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	1.55	0.50
		For Up To 200, Add	*0.46*	
		For >200 To 500, Add	*0.23*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	2.16	0.65
		For Up To 200, Add	*0.62*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	2.88	0.86
		For Up To 200, Add	*0.83*	
		For >200 To 500, Add	*0.42*	
06 11 16 00-0060		Wall Framing By The SF, 16" On Center *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	1.27	0.41
		For Up To 200, Add	*0.37*	
		For >200 To 500, Add	*0.19*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	1.78	0.54
		For Up To 200, Add	*0.51*	
		For >200 To 500, Add	*0.26*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	2.39	0.72
		For Up To 200, Add	*0.69*	
		For >200 To 500, Add	*0.35*	
06 11 16 00-0064		Wall Framing By The SF, 24" On Center *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.00	0.32
		For Up To 200, Add	*0.29*	
		For >200 To 500, Add	*0.15*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	1.41	0.42
		For Up To 200, Add	*0.41*	
		For >200 To 500, Add	*0.20*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	1.88	0.56
		For Up To 200, Add	*0.54*	
		For >200 To 500, Add	*0.27*	
06 11 16 00-0068		Sills And Plates *(06 11 16)*		
06 11 16 00-0069		Sills *(06 11 16 00-0068)* Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	1.74	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0071	LF	2" x 6" Wood Sill	2.24	0.89
06 11 16 00-0072	LF	2" x 8" Wood Sill	2.80	0.99
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	1.70	0.78
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	2.17	0.89
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	2.69	0.99
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	1.74	0.78
06 11 16 00-0078	LF	2" x 6" Wood Plate	2.24	0.89
06 11 16 00-0079	LF	2" x 8" Wood Plate	2.79	0.99
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	1.70	0.78
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	2.17	0.89
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	2.68	0.99
06 11 16 00-0083		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0084	LF	1" x 2" Wood Suspended Ceiling Framing	1.29	0.68
06 11 16 00-0085	LF	1" x 3" Wood Suspended Ceiling Framing	1.47	0.73
06 11 16 00-0086	LF	1" x 4" Wood Suspended Ceiling Framing	1.56	0.78
06 11 16 00-0087	LF	2" x 2" Wood Suspended Ceiling Framing	1.66	0.78
06 11 16 00-0088	LF	2" x 4" Wood Suspended Ceiling Framing	1.98	0.89
06 11 16 00-0089	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.48	0.68
06 11 16 00-0090	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	1.49	0.73
06 11 16 00-0091	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	1.58	0.78
06 11 16 00-0092	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.61	0.78
06 11 16 00-0093	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	1.88	0.89
06 11 16 00-0094		**Posts And Girts** *(06 11 16)*		
06 11 16 00-0095		**Posts** *(06 11 16 00-0094)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0096	LF	4" x 4" Wood Post	2.85	0.99
06 11 16 00-0097	LF	4" x 5" Wood Post	3.28	1.15
06 11 16 00-0098	LF	4" x 6" Wood Post	3.59	1.26
06 11 16 00-0099	LF	6" x 6" Wood Post	4.03	1.36
06 11 16 00-0100	LF	8" x 8" Wood Post	4.46	1.42
06 11 16 00-0101	LF	10" x 10" Wood Post	4.91	1.62
06 11 16 00-0102	LF	4" x 4" Pressure Treated Wood Post	3.41	0.99
06 11 16 00-0103	LF	3" x 6" Pressure Treated Wood Post	3.96	1.26
06 11 16 00-0104	LF	4" x 6" Pressure Treated Wood Post	4.92	1.26
06 11 16 00-0105	LF	6" x 6" Pressure Treated Wood Post	7.20	1.36
06 11 16 00-0106		**Girts** *(06 11 16 00-0094)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0107	LF	2" x 4" Wood Girt	1.31	0.38
06 11 16 00-0108	LF	2" x 6" Wood Girt	1.75	0.42
06 11 16 00-0109	LF	2" x 8" Wood Girt	2.23	0.46
06 11 16 00-0110	LF	2" x 10" Wood Girt	2.84	0.50
06 11 16 00-0111	LF	4" x 4" Wood Girt	2.69	0.75
06 11 16 00-0112	LF	4" x 5" Wood Girt	3.14	0.84
06 11 16 00-0113	LF	4" x 6" Wood Girt	3.57	0.94
06 11 16 00-0114	LF	6" x 6" Wood Girt	4.00	1.03
06 11 16 00-0115	LF	8" x 8" Wood Girt	4.44	1.12
06 11 16 00-0116	LF	10" x 10" Wood Girt	4.89	1.23
06 11 16 00-0117	LF	2" x 4" Pressure Treated Wood Girt	1.27	0.38
06 11 16 00-0118	LF	2" x 6" Pressure Treated Wood Girt	1.68	0.42
06 11 16 00-0119	LF	2" x 8" Pressure Treated Wood Girt	2.12	0.46
06 11 16 00-0120	LF	2" x 10" Pressure Treated Wood Girt	2.49	0.50
06 11 16 00-0121	LF	4" x 4" Pressure Treated Wood Girt	3.41	0.75
06 11 16 00-0122	LF	3" x 6" Pressure Treated Wood Girt	3.96	0.94
06 11 16 00-0123	LF	4" x 6" Pressure Treated Wood Girt	4.92	0.94
06 11 16 00-0124	LF	6" x 6" Pressure Treated Wood Girt	7.20	1.03
06 11 16 00-0125		**Stair Stringers** *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0126	LF	2" x 10" Wood Stair Stringer	4.94	2.09
06 11 16 00-0127	LF	2" x 12" Wood Stair Stringer	5.92	2.46
06 11 16 00-0128	LF	2" x 10" Pressure Treated Wood Stair Stringer	4.62	2.09
06 11 16 00-0129	LF	2" x 12" Pressure Treated Wood Stair Stringer	5.62	2.46
06 11 16 00-0130		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0131		**Blocking** *(06 11 16 00-0130)*		
06 11 16 00-0132		**Blocking To Wood** *(06 11 16 00-0131)*		
06 11 16 00-0133	LF	2" x 4" Pressure Treated Wood Blocking To Wood	3.26	1.26
06 11 16 00-0134	LF	2" x 6" Pressure Treated Wood Blocking To Wood	4.01	1.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0135	LF	2" x 8" Pressure Treated Wood Blocking To Wood	4.65	1.52
06 11 16 00-0136	LF	4" x 4" Pressure Treated Wood Blocking To Wood	5.50	1.67
06 11 16 00-0137	LF	4" x 6" Pressure Treated Wood Blocking To Wood	6.88	1.84
06 11 16 00-0138	LF	2" x 4" Wood Blocking To Wood	3.08	1.26
06 11 16 00-0139	LF	2" x 6" Wood Blocking To Wood	3.70	1.38
06 11 16 00-0140	LF	2" x 8" Wood Blocking To Wood	4.37	1.52
06 11 16 00-0141	LF	4" x 4" Wood Blocking To Wood	4.70	1.67
06 11 16 00-0142	LF	4" x 6" Wood Blocking To Wood	5.40	1.84
06 11 16 00-0143		**Blocking To Steel** *(06 11 16 00-0131)*		
06 11 16 00-0144	LF	2" x 4" Pressure Treated Wood Blocking To Steel	3.71	1.45
06 11 16 00-0145	LF	2" x 6" Pressure Treated Wood Blocking To Steel	4.54	1.59
06 11 16 00-0146	LF	2" x 8" Pressure Treated Wood Blocking To Steel	5.26	1.75
06 11 16 00-0147	LF	2" x 4" Wood Blocking To Steel	3.50	1.45
06 11 16 00-0148	LF	2" x 6" Wood Blocking To Steel	4.21	1.59
06 11 16 00-0149	LF	2" x 8" Wood Blocking To Steel	4.96	1.75
06 11 16 00-0150		**Blocking To Concrete** *(06 11 16 00-0131)*		
06 11 16 00-0151	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	3.71	1.45
06 11 16 00-0152	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	4.54	1.59
06 11 16 00-0153	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	5.26	1.75
06 11 16 00-0154	LF	2" x 4" Wood Blocking To Concrete	3.50	1.45
06 11 16 00-0155	LF	2" x 6" Wood Blocking To Concrete	4.21	1.59
06 11 16 00-0156	LF	2" x 8" Wood Blocking To Concrete	4.96	1.75
06 11 16 00-0157		**Pressure Treated Lattice** *(06 11 16 00-0130)*		
06 11 16 00-0158	SF	3/4" Thick Pressure Treated Wood Lattice	5.45	1.09
06 11 16 00-0159		**Sleepers** *(06 11 16 00-0130)*		
06 11 16 00-0160		**Sleepers To Wood** *(06 11 16 00-0159)*		
06 11 16 00-0161	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	0.80	0.19
06 11 16 00-0162	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	0.82	0.21
06 11 16 00-0163	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.00	0.24
06 11 16 00-0164	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	1.31	0.29
06 11 16 00-0165	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	1.87	0.31
06 11 16 00-0166		**Sleepers To Concrete** *(06 11 16 00-0159)*		
06 11 16 00-0167	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	0.84	0.19
06 11 16 00-0168	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	0.86	0.21
06 11 16 00-0169	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.06	0.24
06 11 16 00-0170	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	1.39	0.29
06 11 16 00-0171	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	1.99	0.31
06 11 16 00-0172		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0173	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	1.73	0.42
06 11 16 00-0174	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	2.12	0.45
06 11 16 00-0175	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	2.52	0.47
06 11 16 00-0176		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0177	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	0.92	
06 11 16 00-0178	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	2.67	
06 11 16 00-0179	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	3.98	
06 11 16 00-0180	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.17	
06 11 16 00-0181		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0182		**Wood And Steel Bridging** *(06 11 16 00-0181)*		
06 11 16 00-0183		**Wood Bridging** *(06 11 16 00-0182)*		
06 11 16 00-0184	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	4.51	1.84
06 11 16 00-0185	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	4.82	1.84
06 11 16 00-0186		**Steel Bridging** *(06 11 16 00-0182)*		
06 11 16 00-0187	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	6.73	1.84
06 11 16 00-0188	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	6.69	1.84
06 11 16 00-0189		**Light Framing, Trim And Furring** *(06 11 16 00-0181)*		
06 11 16 00-0190		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0189)* Note: S4S board, select grade 1		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0191	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.02	0.43
06 11 16 00-0192	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.19	0.47
06 11 16 00-0193	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.44	0.52
06 11 16 00-0194	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	1.63	0.57
06 11 16 00-0195	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	1.83	0.62
06 11 16 00-0196	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.03	0.69
06 11 16 00-0197	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.65	0.57
06 11 16 00-0198	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.88	0.62
06 11 16 00-0199	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.31	0.69
06 11 16 00-0200	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.84	0.76
06 11 16 00-0201	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.51	0.83
06 11 16 00-0202		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0203	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.05	0.43
06 11 16 00-0204	LF	1" x 2" Cedar Light Framing, Trim And Furring	1.35	0.47
06 11 16 00-0205	LF	1" x 4" Cedar Light Framing, Trim And Furring	2.04	0.52
06 11 16 00-0206	LF	1" x 6" Cedar Light Framing, Trim And Furring	2.65	0.57
06 11 16 00-0207	LF	1" x 8" Cedar Light Framing, Trim And Furring	4.51	0.62
06 11 16 00-0208	LF	1" x 10" Cedar Light Framing, Trim And Furring	5.44	0.69
06 11 16 00-0209	LF	2" x 2" Cedar Light Framing, Trim And Furring	2.03	0.57
06 11 16 00-0210	LF	2" x 4" Cedar Light Framing, Trim And Furring	2.45	0.62
06 11 16 00-0211		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Oak Light Framing, Trim And Furring	1.06	0.43
06 11 16 00-0213	LF	1" x 2" Oak Light Framing, Trim And Furring	1.37	0.47
06 11 16 00-0214	LF	1" x 4" Oak Light Framing, Trim And Furring	1.89	0.52
06 11 16 00-0215	LF	1" x 6" Oak Light Framing, Trim And Furring	2.42	0.57
06 11 16 00-0216	LF	1" x 8" Oak Light Framing, Trim And Furring	2.97	0.62
06 11 16 00-0217	LF	1" x 10" Oak Light Framing, Trim And Furring	3.52	0.69
06 11 16 00-0218	LF	2" x 2" Oak Light Framing, Trim And Furring	2.00	0.57
06 11 16 00-0219	LF	2" x 4" Oak Light Framing, Trim And Furring	2.98	0.62
06 11 16 00-0220		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0221	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.00	0.43
06 11 16 00-0222	LF	1" x 2" Redwood Light Framing, Trim And Furring	1.25	0.47
06 11 16 00-0223	LF	1" x 4" Redwood Light Framing, Trim And Furring	1.68	0.52
06 11 16 00-0224	LF	1" x 6" Redwood Light Framing, Trim And Furring	2.17	0.57
06 11 16 00-0225	LF	1" x 8" Redwood Light Framing, Trim And Furring	2.70	0.62
06 11 16 00-0226	LF	1" x 10" Redwood Light Framing, Trim And Furring	3.28	0.69
06 11 16 00-0227	LF	2" x 2" Redwood Light Framing, Trim And Furring	2.19	0.57
06 11 16 00-0228	LF	2" x 4" Redwood Light Framing, Trim And Furring	2.73	0.62
06 11 16 00-0229		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0230	LF	1" x 1" Poplar Light Framing, Trim And Furring	1.36	0.43
06 11 16 00-0231	LF	1" x 2" Poplar Light Framing, Trim And Furring	1.82	0.47
06 11 16 00-0232	LF	1" x 4" Poplar Light Framing, Trim And Furring	2.48	0.52
06 11 16 00-0233	LF	1" x 6" Poplar Light Framing, Trim And Furring	3.41	0.57
06 11 16 00-0234	LF	1" x 8" Poplar Light Framing, Trim And Furring	4.06	0.62
06 11 16 00-0235	LF	1" x 10" Poplar Light Framing, Trim And Furring	5.71	0.69
06 11 16 00-0236	LF	1" x 12" Poplar Light Framing, Trim And Furring	6.32	0.69
06 11 16 00-0237	LF	2" x 2" Poplar Light Framing, Trim And Furring	4.94	0.57
06 11 16 00-0238	LF	2" x 4" Poplar Light Framing, Trim And Furring	5.58	0.62
06 11 16 00-0239	LF	2" x 6" Poplar Light Framing, Trim And Furring	7.85	0.69
06 11 16 00-0240		**Maple Light Framing, Trim And Furring** *(06 11 16 00-0189)*		
		Note: S4S board, select grade 1		
06 11 16 00-0241	LF	1" x 4" Maple Light Framing, Trim And Furring	3.44	0.52
06 11 16 00-0242	LF	1" x 6" Maple Light Framing, Trim And Furring	4.89	0.57
06 11 16 00-0243	LF	1" x 8" Maple Light Framing, Trim And Furring	6.37	0.62

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	3.86	0.93
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	4.95	0.97
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	6.02	1.01
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	8.23	1.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	10.01	1.14
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	6.58	1.04
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	8.19	1.09
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	11.48	1.18
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	14.01	1.21
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	10.29	1.14
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	14.52	1.18
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	17.91	1.21
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	17.68	1.21
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	21.95	1.31
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	26.07	1.44
06 13 23 00-0019		Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	4.06	0.93
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	5.25	0.97
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	6.43	1.01
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	8.85	1.07
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	10.77	1.14
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	7.03	1.04
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	8.78	1.09
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	12.38	1.18
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	15.17	1.21
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	11.09	1.14
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	15.74	1.18
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	19.46	1.21
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	19.19	1.21
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	23.86	1.31
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	28.38	1.44
06 13 23 00-0035		Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*		
06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	3.76	0.93
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	4.98	0.97
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	6.03	1.01
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	8.24	1.07
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	10.00	1.14
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	7.20	1.04
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	9.04	1.09
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	10.96	1.18
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	13.71	1.21
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	13.92	1.14
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	16.33	1.18
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	19.41	1.21
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	19.50	1.21
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	26.14	1.31
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	31.11	1.44
06 13 23 00-0051		Heavy Timber Columns *(06 13 23 00-0001)*		
06 13 23 00-0052		Pine, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	2.99	0.49
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	4.04	0.52
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	5.07	0.53
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	7.20	0.56
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	8.94	0.60
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	5.60	0.54
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	7.16	0.57
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	10.37	0.61
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	12.87	0.64
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	9.22	0.60
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	13.41	0.61
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	16.75	0.65
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	16.51	0.65
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	20.71	0.69
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	24.71	0.76
06 13 23 00-0068		Douglas Fir, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	3.19	0.49
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	4.34	0.52
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	5.48	0.53
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	7.82	0.56
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	9.70	0.60
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	6.05	0.54
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	7.75	0.57
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	11.27	0.61
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	14.03	0.64
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	10.02	0.60
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	14.63	0.61
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	18.30	0.65
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	18.02	0.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	22.62	0.69
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	27.02	0.76
06 13 23 00-0084		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	2.89	0.49
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	4.07	0.52
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	5.08	0.53
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	7.21	0.56
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	8.93	0.60
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	6.22	0.54
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	8.01	0.57
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	9.85	0.61
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	12.57	0.64
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	12.85	0.60
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	15.22	0.61
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	18.25	0.65
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	18.33	0.65
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	24.90	0.69
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	29.75	0.76

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck System Assemblies *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	21.47	3.72
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	21.03	3.53
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.44	3.81
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.04	3.63

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.32	3.81
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	21.86	3.62
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.29	3.91
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.89	3.71

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	21.47	3.72
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	21.03	3.53
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	22.44	3.81
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	22.04	3.63

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.87	3.72
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.55	3.45
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	25.45	3.81
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	24.87	3.63

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly Assembly	26.08	3.81
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	25.75	3.62
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	27.80	3.91
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	27.24	3.71

06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	24.84	3.72
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	24.51	3.53
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	26.47	3.81
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	26.66	3.63
06 15 13 00-0034		Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0001)*		
06 15 13 00-0035		2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0036	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.78	3.72
06 15 13 00-0037	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.41	3.53
06 15 13 00-0038	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	24.22	3.81
06 15 13 00-0039	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.62	3.63
06 15 13 00-0040		2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0041	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	24.78	3.81
06 15 13 00-0042	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	24.40	3.62
06 15 13 00-0043	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	26.35	3.91
06 15 13 00-0044	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	26.19	3.71
06 15 13 00-0045		2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0046	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	24.38	3.72
06 15 13 00-0047	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	23.26	3.53
06 15 13 00-0048	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	25.14	3.81
06 15 13 00-0049	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	24.96	3.63
06 15 13 00-0050		Cedar With Pressure Treated Joists Wood Deck System Assemblies *(06 15 13 00-0001)*		
06 15 13 00-0051		2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0052	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	22.34	3.72
06 15 13 00-0053	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	21.93	3.53
06 15 13 00-0054	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.38	3.81
06 15 13 00-0055	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.02	3.63
06 15 13 00-0056		2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0057	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.25	3.81
06 15 13 00-0058	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.22	3.62
06 15 13 00-0059	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	24.29	3.91
06 15 13 00-0060	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	23.99	3.71
06 15 13 00-0061		2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0062	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	22.88	3.72
06 15 13 00-0063	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	22.48	3.53
06 15 13 00-0064	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	23.94	3.81
06 15 13 00-0065	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	23.58	3.63
06 15 13 00-0066		Wood Ramp System Assemblies *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0067		Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0066)*		
06 15 13 00-0068		2" x 6" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	24.23	3.63
06 15 13 00-0070	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	23.62	3.44
06 15 13 00-0071	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	25.25	3.72
06 15 13 00-0072	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	24.65	3.53
06 15 13 00-0073		2" x 8" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	25.10	3.72
06 15 13 00-0075	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	24.48	3.53
06 15 13 00-0076	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	26.16	3.81
06 15 13 00-0077	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	25.57	3.63
06 15 13 00-0078		2" x 10" Joists, Pressure Treated Wood Ramp System Assemblies *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	26.02	3.80
06 15 13 00-0080	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	25.39	3.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0081	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	27.12	3.91
06 15 13 00-0082	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	26.52	3.71
06 15 13 00-0083		Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0066)*		
06 15 13 00-0084		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0083)*		
06 15 13 00-0085	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	26.48	3.63
06 15 13 00-0086	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	25.98	3.44
06 15 13 00-0087	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	28.08	3.72
06 15 13 00-0088	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	27.32	3.53
06 15 13 00-0089		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0083)*		
06 15 13 00-0090	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	27.50	3.72
06 15 13 00-0091	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	27.00	3.53
06 15 13 00-0092	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	29.17	3.81
06 15 13 00-0093	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	28.40	3.63
06 15 13 00-0094		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0083)*		
06 15 13 00-0095	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	29.80	3.80
06 15 13 00-0096	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	29.28	3.62
06 15 13 00-0097	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	31.64	3.91
06 15 13 00-0098	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	31.36	3.71
06 15 13 00-0099		Cypress With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0066)*		
06 15 13 00-0100		2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0099)*		
06 15 13 00-0101	SF	5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	25.46	3.63
06 15 13 00-0102	SF	5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	24.91	3.44
06 15 13 00-0103	SF	2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	26.92	3.72
06 15 13 00-0104	SF	2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	26.15	3.53
06 15 13 00-0105		2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0099)*		
06 15 13 00-0106	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	26.41	3.72
06 15 13 00-0107	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	25.86	3.53
06 15 13 00-0108	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	27.94	3.81
06 15 13 00-0109	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	27.15	3.63
06 15 13 00-0110		2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0099)*		
06 15 13 00-0111	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	28.43	3.80
06 15 13 00-0112	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	27.93	3.62
06 15 13 00-0113	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	30.18	3.91
06 15 13 00-0114	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	29.82	3.71
06 15 13 00-0115		Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0066)*		
06 15 13 00-0116		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0115)*		
06 15 13 00-0117	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	25.02	3.63
06 15 13 00-0118	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	24.45	3.44
06 15 13 00-0119	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	26.11	3.72
06 15 13 00-0120	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	25.56	3.53
06 15 13 00-0121		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0115)*		
06 15 13 00-0122	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	25.95	3.72
06 15 13 00-0123	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	25.37	3.53
06 15 13 00-0124	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	27.08	3.81
06 15 13 00-0125	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	26.53	3.63
06 15 13 00-0126		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies *(06 15 13 00-0115)*		
06 15 13 00-0127	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	26.94	3.80
06 15 13 00-0128	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	26.34	3.62
06 15 13 00-0129	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	28.10	3.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0130	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	27.54	3.71
06 15 13 00-0131		**Wood Stair System Assemblies** *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0132		**Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0131)*		
06 15 13 00-0133		**2" x 10" Joists, Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0132)*		
06 15 13 00-0134	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	70.25	8.92
06 15 13 00-0135	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	69.61	8.48
06 15 13 00-0136	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	72.64	9.15
06 15 13 00-0137	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	71.50	8.69
06 15 13 00-0138	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	73.75	9.37
06 15 13 00-0139	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	73.09	8.90
06 15 13 00-0140	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	76.26	9.60
06 15 13 00-0141	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	75.07	9.13
06 15 13 00-0142	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	77.30	9.83
06 15 13 00-0143	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	76.60	9.34
06 15 13 00-0144	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	79.94	10.09
06 15 13 00-0145	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	78.68	9.58
06 15 13 00-0146	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	82.64	10.33
06 15 13 00-0147	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	81.98	9.81
06 15 13 00-0148	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	85.47	10.59
06 15 13 00-0149	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	84.21	10.07
06 15 13 00-0150		**2" x 12" Joists, Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0132)*		
06 15 13 00-0151	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	71.59	9.14
06 15 13 00-0152	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	70.49	8.69
06 15 13 00-0153	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	74.16	9.38
06 15 13 00-0154	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	73.05	8.91
06 15 13 00-0155	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	75.18	9.60
06 15 13 00-0156	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	74.02	9.13
06 15 13 00-0157	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	77.87	9.85
06 15 13 00-0158	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	76.71	9.35
06 15 13 00-0159	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	78.79	10.08
06 15 13 00-0160	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	77.57	9.58
06 15 13 00-0161	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	81.61	10.34
06 15 13 00-0162	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	80.38	9.82
06 15 13 00-0163	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	84.21	10.58
06 15 13 00-0164	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	82.98	10.05
06 15 13 00-0165	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	87.25	10.86
06 15 13 00-0166	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	86.02	10.32
06 15 13 00-0167		**Redwood With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0131)*		
06 15 13 00-0168		**2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0167)*		
06 15 13 00-0169	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	83.60	8.92
06 15 13 00-0170	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	82.84	8.48
06 15 13 00-0171	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.82	9.15
06 15 13 00-0172	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.10	8.69
06 15 13 00-0173	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	87.77	9.37
06 15 13 00-0174	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.98	8.90
06 15 13 00-0175	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	91.15	9.60
06 15 13 00-0176	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	90.40	9.13
06 15 13 00-0177	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	91.95	9.83
06 15 13 00-0178	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	91.11	9.34
06 15 13 00-0179	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	95.50	10.09
06 15 13 00-0180	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	94.69	9.58
06 15 13 00-0181	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	98.74	10.33
06 15 13 00-0182	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	97.94	9.81
06 15 13 00-0183	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	102.58	10.59
06 15 13 00-0184	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	101.83	10.07
06 15 13 00-0185		**2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0167)*		
06 15 13 00-0186	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	81.01	9.14
06 15 13 00-0187	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	80.23	8.69
06 15 13 00-0188	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	83.96	9.38
06 15 13 00-0189	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	83.31	8.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0190	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	85.06	9.60
06 15 13 00-0191	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	84.25	9.13
06 15 13 00-0192	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	88.16	9.85
06 15 13 00-0193	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	87.48	9.35
06 15 13 00-0194	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	89.12	10.08
06 15 13 00-0195	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	88.27	9.58
06 15 13 00-0196	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	92.36	10.34
06 15 13 00-0197	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	91.64	9.82
06 15 13 00-0198	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	95.58	10.58
06 15 13 00-0199	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	94.74	10.05
06 15 13 00-0200	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	99.07	10.86
06 15 13 00-0201	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	98.40	10.32

06 15 13 00-0202 Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0131)*

06 15 13 00-0203 2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0202)*

06 15 13 00-0204	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	78.92	8.92
06 15 13 00-0205	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	78.03	8.48
06 15 13 00-0206	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	81.91	9.15
06 15 13 00-0207	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	81.02	8.69
06 15 13 00-0208	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	82.86	9.37
06 15 13 00-0209	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	81.93	8.90
06 15 13 00-0210	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.00	9.60
06 15 13 00-0211	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	85.06	9.13
06 15 13 00-0212	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.82	9.83
06 15 13 00-0213	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	85.83	9.34
06 15 13 00-0214	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	90.12	10.09
06 15 13 00-0215	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	89.12	9.58
06 15 13 00-0216	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	93.11	10.33
06 15 13 00-0217	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	92.14	9.81
06 15 13 00-0218	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	96.66	10.59
06 15 13 00-0219	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	95.69	10.07

06 15 13 00-0220 2" x 12" Joists, Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0202)*

06 15 13 00-0221	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	76.77	9.14
06 15 13 00-0222	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	75.86	8.69
06 15 13 00-0223	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	79.52	9.38
06 15 13 00-0224	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	78.68	8.91
06 15 13 00-0225	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	80.62	9.60
06 15 13 00-0226	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	79.66	9.13
06 15 13 00-0227	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	83.49	9.85
06 15 13 00-0228	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	82.61	9.35
06 15 13 00-0229	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	84.47	10.08
06 15 13 00-0230	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	83.47	9.58
06 15 13 00-0231	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	87.48	10.34
06 15 13 00-0232	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	86.55	9.82
06 15 13 00-0233	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	90.47	10.58
06 15 13 00-0234	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	89.47	10.05
06 15 13 00-0235	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	93.71	10.86
06 15 13 00-0236	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	92.81	10.32

06 15 13 00-0237 Cedar With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0131)*

06 15 13 00-0238 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0237)*

06 15 13 00-0239	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	73.58	8.92
06 15 13 00-0240	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	73.14	8.48
06 15 13 00-0241	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	76.13	9.15
06 15 13 00-0242	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	75.13	8.69
06 15 13 00-0243	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	77.25	9.37
06 15 13 00-0244	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	76.80	8.90
06 15 13 00-0245	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	79.93	9.60
06 15 13 00-0246	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	78.88	9.13
06 15 13 00-0247	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	80.96	9.83
06 15 13 00-0248	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	80.47	9.34
06 15 13 00-0249	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	83.77	10.09
06 15 13 00-0250	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	82.66	9.58
06 15 13 00-0251	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.66	10.33
06 15 13 00-0252	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	86.24	9.81
06 15 13 00-0253	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	89.68	10.59
06 15 13 00-0254	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	88.59	10.07

06 15 13 00-0255 2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0237)*

06 15 13 00-0256	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	74.96	9.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0257	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	73.99	8.69
06 15 13 00-0258	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	77.71	9.38
06 15 13 00-0259	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	76.74	8.91
06 15 13 00-0260	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	78.71	9.60
06 15 13 00-0261	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	77.70	9.13
06 15 13 00-0262	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	81.59	9.85
06 15 13 00-0263	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	80.58	9.35
06 15 13 00-0264	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	82.48	10.08
06 15 13 00-0265	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	81.42	9.58
06 15 13 00-0266	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	85.50	10.34
06 15 13 00-0267	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	84.43	9.82
06 15 13 00-0268	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	88.28	10.58
06 15 13 00-0269	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	87.21	10.05
06 15 13 00-0270	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	91.53	10.86
06 15 13 00-0271	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	90.48	10.32

06 15 13 00-0272 Wood Deck And Ramp Systems Repairs *(06 15 13)*

Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0273 Deck Joist Or Girt *(06 15 13 00-0272)*

See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0274 Deck Boards *(06 15 13 00-0272)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0275	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	1.48	0.41
06 15 13 00-0276	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	1.59	0.48
06 15 13 00-0277	LF	2" x 4" Round Edge Pressure Treated Deck Boards	1.27	0.48
06 15 13 00-0278	LF	2" x 6" Round Edge Pressure Treated Deck Boards	1.72	0.55
06 15 13 00-0279	LF	2" x 8" Round Edge Pressure Treated Deck Boards	2.22	0.66
06 15 13 00-0280	LF	2" x 10" Round Edge Pressure Treated Deck Boards	2.72	0.80
06 15 13 00-0281	LF	2" x 12" Round Edge Pressure Treated Deck Boards	3.38	0.95
06 15 13 00-0282	LF	2" x 4" Round Edge Cedar Deck Boards	1.95	0.48
06 15 13 00-0283	LF	2" x 6" Round Edge Cedar Deck Boards	2.64	0.55
06 15 13 00-0284	LF	2" x 4" Round Edge Redwood Deck Boards	2.22	0.48
06 15 13 00-0285	LF	2" x 6" Round Edge Redwood Deck Boards	3.06	0.55

06 15 13 00-0286 Deck Posts *(06 15 13 00-0272)*

See CSI section 06 11 16 00-0094 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0287 Deck Railing And Pickets *(06 15 13 00-0272)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

06 15 13 00-0288	LF	2" x 4" Pressure Treated Deck Railing	1.27	0.48
06 15 13 00-0289	LF	2" x 2" Pressure Treated Deck Railing Picket	1.07	0.36
06 15 13 00-0290	LF	2" x 4" Cedar Deck Railing	1.95	0.48
06 15 13 00-0291	LF	2" x 2" Cedar Deck Railing Picket	1.45	0.36
06 15 13 00-0292	LF	2" x 4" Redwood Deck Railing	2.22	0.48
06 15 13 00-0293	LF	2" x 2" Redwood Deck Railing Picket	1.66	0.36

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	2.67	0.42
		For Water Resistant Coating Or Treatment, Add	*0.10*	
		For Foil Backing, Add	*0.17*	
		For Tongue And Groove, Add	*0.12*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	2.85	0.52
		For Water Resistant Coating Or Treatment, Add	*0.11*	
		For Foil Backing, Add	*0.18*	
		For Tongue And Groove, Add	*0.12*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	2.65	0.36
		For Water Resistant Coating Or Treatment, Add	*0.11*	
		For Foil Backing, Add	*0.18*	
		For Tongue And Groove, Add	*0.13*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	2.78	0.42
		For Water Resistant Coating Or Treatment, Add	*0.11*	
		For Foil Backing, Add	*0.18*	
		For Tongue And Groove, Add	*0.13*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking	1.28	0.26
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.12*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.12*	
		For ACQ Preservative Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*0.92*	
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.11*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking	1.49	0.31
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.14*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.14*	
		For ACQ Preservative Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.02*	
		For Fire Retardant Treatment, Add	*0.64*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.13*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking	1.55	0.31
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.14*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.14*	
		For ACQ Preservative Treatment, Add	*0.40*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.08*	
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	1.74	0.36
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.16*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.16*	
		For ACQ Preservative Treatment, Add	*0.46*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.17*	
		For Fire Retardant Treatment, Add	*0.76*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.15*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking	2.15	0.42
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	*0.17*	
		For Exterior CC Grade Plywood, Add	*0.20*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.17*	
		For ACQ Preservative Treatment, Add	*0.62*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.28*	
		For Fire Retardant Treatment, Add	*1.03*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.09*	

06 16 33 00-0008 Wall Sheathing *(06 16 33 00-0001)*

06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing	1.44	0.36
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.16*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.16*	
		For Ceiling Installation, Add	*0.08*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.17*	
		For Fire Retardant Treatment, Add	*0.52*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	1.47	0.36
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.16*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.16*	
		For Ceiling Installation, Add	*0.08*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.17*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.12*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	1.53	0.42
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.16*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.16*	
		For Ceiling Installation, Add	*0.08*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.17*	
		For Fire Retardant Treatment, Add	*0.59*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.13*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	1.78	0.42
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.17*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.17*	
		For Ceiling Installation, Add	*0.08*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.25*	
		For Fire Retardant Treatment, Add	*0.75*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	1.85	0.47
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.18*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.18*	
		For Ceiling Installation, Add	*0.09*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.35*	
		For Fire Retardant Treatment, Add	*0.75*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	2.05	0.52
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.19*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.19*	
		For Ceiling Installation, Add	*0.10*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.46*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0015		Floor Decking *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	0.99	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*0.87*	
		For Fire Retardant Treatment, Add	*0.32*	
		For >1,696 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.08*	
		For ACQ Preservative Treatment, Add	*0.20*	
		For Fir Plywood, Add	*0.08*	
		For BC Grade Plywood, Add	*0.06*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.32*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking	1.16	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*0.92*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.10*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking	1.38	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*0.99*	
		For Fire Retardant Treatment, Add	*0.57*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.12*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Fir Plywood, Add	*0.13*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.56*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking	1.43	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.07*	
		For Fire Retardant Treatment, Add	*0.57*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.12*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Fir Plywood, Add	*0.13*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.56*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking	1.67	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.13*	
		For Fire Retardant Treatment, Add	*0.73*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.44*	
		For Fir Plywood, Add	*0.17*	
		For BC Grade Plywood, Add	*0.14*	
		For Exterior Glue, Add	*0.09*	
		For Marine Grade, Add	*0.72*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	2.64	0.47
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.35*	
		For Fire Retardant Treatment, Add	*1.37*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.16*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.25*	
		For ACQ Preservative Treatment, Add	*0.84*	
		For Fir Plywood, Add	*0.32*	
		For BC Grade Plywood, Add	*0.26*	
		For Exterior Glue, Add	*0.16*	
		For Marine Grade, Add	*1.36*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking	1.82	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*0.99*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.17*	
		For ACQ Preservative Treatment, Add	*0.56*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.91*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking	1.83	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.07*	
		For Fire Retardant Treatment, Add	*0.88*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.17*	
		For ACQ Preservative Treatment, Add	*0.54*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.88*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking	1.96	0.31
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.13*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.58*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.95*	
		For Tongue And Groove, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0025		**Underlayment Grade** *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	1.09	0.31
		For Fire Retardant Treatment, Add	*0.39*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	1.17	0.31
		For Fire Retardant Treatment, Add	*0.42*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.10*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	1.23	0.36
		For Fire Retardant Treatment, Add	*0.46*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.10*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	1.41	0.36
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.12*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	1.55	0.36
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	2.08	0.42
		For Fire Retardant Treatment, Add	*1.00*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	1.29	0.31
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.07*	
		For >12,800, Deduct	*-0.11*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	1.70	0.36
		For Fire Retardant Treatment, Add	*0.78*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0034		**Oriented Strand Board** *(06 16 33)*		
06 16 33 00-0035		**On Roof** *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	0.94	0.31
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.07*	
		For Fire Retardant Treatment, Add	*0.26*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*0.92*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	1.07	0.31
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.08*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.02*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	1.29	0.36
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.10*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.08*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	1.54	0.36
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.60*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0040		**On Walls** *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	1.11	0.36
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.08*	
		For Fire Retardant Treatment, Add	*0.26*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.17*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	1.22	0.42
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.09*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.25*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	1.47	0.47
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.35*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	1.73	0.47
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.60*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.46*	
06 16 33 00-0045		**On Floors** *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	0.95	0.31
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.05*	
		For >12,800, Deduct	*-0.07*	
		For Fire Retardant Treatment, Add	*0.26*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*0.93*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	1.14	0.36
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.06*	
		For >12,800, Deduct	*-0.08*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.13*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	1.39	0.42
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.45*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.23*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	1.66	0.47
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.60*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.35*	
06 16 33 00-0050		**Particle Board** *(06 16 33)*		
06 16 33 00-0051		**Particle Board Floor Decking** *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	1.45	0.26
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.66*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.13*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	1.80	0.26
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.90*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.13	0.31
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.14*	
		For >1,536 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.21*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	2.41	0.31
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.33*	
		For >1,536 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.24*	
		For Tongue And Groove, Add	*0.12*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.63	0.42
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*1.25*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.17*	
		For Ceiling Installation, Add	*0.08*	
		For >1,696 To 3,200, Deduct	*-0.11*	
		For >3,200 To 6,400, Deduct	*-0.16*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.26*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.86	0.52
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*1.35*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.18*	
		For Ceiling Installation, Add	*0.09*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.18*	
		For >6,400 To 12,800, Deduct	*-0.24*	
		For >12,800, Deduct	*-0.28*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	5.87	0.91
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	6.62	0.92
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	7.49	0.94
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	8.62	0.95
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	9.44	0.97
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	10.58	1.00
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	12.27	1.01
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	17.39	1.15

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	2.06	0.42
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	3.00	0.45

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.18	0.89
		For I-Joists 30' To 40' In Length, Add	*0.39*	
		For I-Joists >40' In Length, Add	*0.96*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.47	1.00
		For I-Joists 30' To 40' In Length, Add	*0.44*	
		For I-Joists >40' In Length, Add	*1.07*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.28	1.12
		For I-Joists 30' To 40' In Length, Add	*0.49*	
		For I-Joists >40' In Length, Add	*1.21*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.96	1.25
		For I-Joists 30' To 40' In Length, Add	*0.55*	
		For I-Joists >40' In Length, Add	*1.34*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	4.27	0.94
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	4.85	0.95
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	5.54	0.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	148.70	52.30
		For Up To 15, Add	*3.31*	
		For >35, Deduct	*-2.20*	
		For 3 In 12 Slope, Add	*1.32*	
		For 5 In 12 Slope, Add	*3.53*	
		For 6 In 12 Slope, Add	*6.61*	
		For 7 In 12 Slope, Add	*8.82*	
		For 8 In 12 Slope, Add	*10.58*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	166.06	57.29
		For Up To 15, Add	*3.86*	
		For >35, Deduct	*-2.57*	
		For 3 In 12 Slope, Add	*1.54*	
		For 5 In 12 Slope, Add	*4.12*	
		For 6 In 12 Slope, Add	*7.72*	
		For 7 In 12 Slope, Add	*10.30*	
		For 8 In 12 Slope, Add	*12.36*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	186.49	62.27
		For Up To 15, Add	*4.65*	
		For >35, Deduct	*-3.10*	
		For 3 In 12 Slope, Add	*1.86*	
		For 5 In 12 Slope, Add	*4.96*	
		For 6 In 12 Slope, Add	*9.29*	
		For 7 In 12 Slope, Add	*12.39*	
		For 8 In 12 Slope, Add	*14.87*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	215.01	67.25
		For Up To 15, Add	*6.04*	
		For >35, Deduct	*-4.03*	
		For 3 In 12 Slope, Add	*2.42*	
		For 5 In 12 Slope, Add	*6.44*	
		For 6 In 12 Slope, Add	*12.08*	
		For 7 In 12 Slope, Add	*16.10*	
		For 8 In 12 Slope, Add	*19.32*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	238.88	72.23
		For Up To 15, Add	*7.08*	
		For >35, Deduct	*-4.72*	
		For 3 In 12 Slope, Add	*2.83*	
		For 5 In 12 Slope, Add	*7.55*	
		For 6 In 12 Slope, Add	*14.16*	
		For 7 In 12 Slope, Add	*18.88*	
		For 8 In 12 Slope, Add	*22.66*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	247.57	79.71
		For Up To 15, Add	*6.61*	
		For >35, Deduct	*-4.41*	
		For 3 In 12 Slope, Add	*2.64*	
		For 5 In 12 Slope, Add	*7.05*	
		For 6 In 12 Slope, Add	*13.22*	
		For 7 In 12 Slope, Add	*17.63*	
		For 8 In 12 Slope, Add	*21.16*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	260.11	127.03
		For Up To 15, Add	*6.81*	
		For >35, Deduct	*-4.54*	
		For 3 In 12 Slope, Add	*2.72*	
		For 5 In 12 Slope, Add	*7.26*	
		For 6 In 12 Slope, Add	*13.61*	
		For 7 In 12 Slope, Add	*18.15*	
		For 8 In 12 Slope, Add	*21.78*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	277.76	89.67
		For Up To 15, Add	*7.38*	
		For >35, Deduct	*-4.92*	
		For 3 In 12 Slope, Add	*2.95*	
		For 5 In 12 Slope, Add	*7.87*	
		For 6 In 12 Slope, Add	*14.76*	
		For 7 In 12 Slope, Add	*19.69*	
		For 8 In 12 Slope, Add	*23.62*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	296.24	141.97
		For Up To 15, Add	*8.02*	
		For >35, Deduct	*-5.35*	
		For 3 In 12 Slope, Add	*3.21*	
		For 5 In 12 Slope, Add	*8.56*	
		For 6 In 12 Slope, Add	*16.04*	
		For 7 In 12 Slope, Add	*21.39*	
		For 8 In 12 Slope, Add	*25.67*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	315.84	99.63
		For Up To 15, Add	*8.74*	
		For >35, Deduct	*-5.83*	
		For 3 In 12 Slope, Add	*3.50*	
		For 5 In 12 Slope, Add	*9.33*	
		For 6 In 12 Slope, Add	*17.49*	
		For 7 In 12 Slope, Add	*23.32*	
		For 8 In 12 Slope, Add	*27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	329.51	156.91
		For Up To 15, Add	*9.02*	
		For >35, Deduct	*-6.01*	
		For 3 In 12 Slope, Add	*3.61*	
		For 5 In 12 Slope, Add	*9.62*	
		For 6 In 12 Slope, Add	*18.04*	
		For 7 In 12 Slope, Add	*24.06*	
		For 8 In 12 Slope, Add	*28.87*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	346.51	107.10
		For Up To 15, Add	*9.92*	
		For >35, Deduct	*-6.62*	
		For 3 In 12 Slope, Add	*3.97*	
		For 5 In 12 Slope, Add	*10.58*	
		For 6 In 12 Slope, Add	*19.85*	
		For 7 In 12 Slope, Add	*26.46*	
		For 8 In 12 Slope, Add	*31.75*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	382.81	168.17
		For Up To 15, Add	*11.90*	
		For >35, Deduct	*-7.93*	
		For 3 In 12 Slope, Add	*4.76*	
		For 5 In 12 Slope, Add	*12.69*	
		For 6 In 12 Slope, Add	*23.80*	
		For 7 In 12 Slope, Add	*31.73*	
		For 8 In 12 Slope, Add	*38.07*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	400.27	114.57
		For Up To 15, Add	*12.83*	
		For >35, Deduct	*-8.56*	
		For 3 In 12 Slope, Add	*5.13*	
		For 5 In 12 Slope, Add	*13.69*	
		For 6 In 12 Slope, Add	*25.67*	
		For 7 In 12 Slope, Add	*34.23*	
		For 8 In 12 Slope, Add	*41.07*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	421.93	179.33
		For Up To 15, Add	*13.71*	
		For >35, Deduct	*-9.14*	
		For 3 In 12 Slope, Add	*5.48*	
		For 5 In 12 Slope, Add	*14.63*	
		For 6 In 12 Slope, Add	*27.42*	
		For 7 In 12 Slope, Add	*36.56*	
		For 8 In 12 Slope, Add	*43.88*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	435.82	124.53
		For Up To 15, Add	*14.01*	
		For >35, Deduct	*-9.34*	
		For 3 In 12 Slope, Add	*5.60*	
		For 5 In 12 Slope, Add	*14.94*	
		For 6 In 12 Slope, Add	*28.01*	
		For 7 In 12 Slope, Add	*37.35*	
		For 8 In 12 Slope, Add	*44.82*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	485.26	194.28
		For Up To 15, Add	*16.97*	
		For >35, Deduct	*-11.31*	
		For 3 In 12 Slope, Add	*6.79*	
		For 5 In 12 Slope, Add	*18.10*	
		For 6 In 12 Slope, Add	*33.93*	
		For 7 In 12 Slope, Add	*45.24*	
		For 8 In 12 Slope, Add	*54.29*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	533.63	134.50
		For Up To 15, Add	*19.85*	
		For >35, Deduct	*-13.23*	
		For 3 In 12 Slope, Add	*7.94*	
		For 5 In 12 Slope, Add	*21.17*	
		For 6 In 12 Slope, Add	*39.69*	
		For 7 In 12 Slope, Add	*52.93*	
		For 8 In 12 Slope, Add	*63.51*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	552.12	139.48
		For Up To 15, Add	*20.49*	
		For >35, Deduct	*-13.66*	
		For 3 In 12 Slope, Add	*8.19*	
		For 5 In 12 Slope, Add	*21.85*	
		For 6 In 12 Slope, Add	*40.97*	
		For 7 In 12 Slope, Add	*54.63*	
		For 8 In 12 Slope, Add	*65.56*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	580.91	144.46
		For Up To 15, Add	*21.90*	
		For >35, Deduct	*-14.60*	
		For 3 In 12 Slope, Add	*8.76*	
		For 5 In 12 Slope, Add	*23.36*	
		For 6 In 12 Slope, Add	*43.80*	
		For 7 In 12 Slope, Add	*58.40*	
		For 8 In 12 Slope, Add	*70.08*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	672.65	149.44
		For Up To 15, Add	*28.03*	
		For >35, Deduct	*-18.69*	
		For 3 In 12 Slope, Add	*11.21*	
		For 5 In 12 Slope, Add	*29.90*	
		For 6 In 12 Slope, Add	*56.06*	
		For 7 In 12 Slope, Add	*74.75*	
		For 8 In 12 Slope, Add	*89.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	633.19	134.40
		For Up To 15, Add	*25.07*	
		For >35, Deduct	*-16.72*	
		For 3 In 12 Slope, Add	*10.03*	
		For 5 In 12 Slope, Add	*26.74*	
		For 6 In 12 Slope, Add	*50.15*	
		For 7 In 12 Slope, Add	*66.86*	
		For 8 In 12 Slope, Add	*80.23*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	664.28	156.91
		For Up To 15, Add	*26.28*	
		For >35, Deduct	*-17.52*	
		For 3 In 12 Slope, Add	*10.51*	
		For 5 In 12 Slope, Add	*28.04*	
		For 6 In 12 Slope, Add	*52.57*	
		For 7 In 12 Slope, Add	*70.09*	
		For 8 In 12 Slope, Add	*84.11*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	691.47	145.46
		For Up To 15, Add	*27.58*	
		For >35, Deduct	*-18.38*	
		For 3 In 12 Slope, Add	*11.03*	
		For 5 In 12 Slope, Add	*29.41*	
		For 6 In 12 Slope, Add	*55.15*	
		For 7 In 12 Slope, Add	*73.53*	
		For 8 In 12 Slope, Add	*88.24*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	716.85	164.39
		For Up To 15, Add	*29.11*	
		For >35, Deduct	*-19.40*	
		For 3 In 12 Slope, Add	*11.64*	
		For 5 In 12 Slope, Add	*31.05*	
		For 6 In 12 Slope, Add	*58.21*	
		For 7 In 12 Slope, Add	*77.62*	
		For 8 In 12 Slope, Add	*93.14*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	732.35	166.87
		For Up To 15, Add	*29.89*	
		For >35, Deduct	*-19.93*	
		For 3 In 12 Slope, Add	*11.96*	
		For 5 In 12 Slope, Add	*31.89*	
		For 6 In 12 Slope, Add	*59.79*	
		For 7 In 12 Slope, Add	*79.72*	
		For 8 In 12 Slope, Add	*95.66*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	154.30	52.30
		For 3 In 12 Slope, Add	*1.49*	
		For 5 In 12 Slope, Add	*3.98*	
		For 6 In 12 Slope, Add	*7.45*	
		For 7 In 12 Slope, Add	*9.94*	
		For 8 In 12 Slope, Add	*11.93*	
		For 16" On Center Gable Studs, Add	*9.94*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	172.61	57.29
		For 3 In 12 Slope, Add	*1.74*	
		For 5 In 12 Slope, Add	*4.64*	
		For 6 In 12 Slope, Add	*8.71*	
		For 7 In 12 Slope, Add	*11.61*	
		For 8 In 12 Slope, Add	*13.93*	
		For 16" On Center Gable Studs, Add	*11.61*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	194.37	62.27
		For 3 In 12 Slope, Add	*2.10*	
		For 5 In 12 Slope, Add	*5.59*	
		For 6 In 12 Slope, Add	*10.48*	
		For 7 In 12 Slope, Add	*13.97*	
		For 8 In 12 Slope, Add	*16.76*	
		For 16" On Center Gable Studs, Add	*13.97*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	225.25	67.25
		For 3 In 12 Slope, Add	*2.72*	
		For 5 In 12 Slope, Add	*7.26*	
		For 6 In 12 Slope, Add	*13.61*	
		For 7 In 12 Slope, Add	*18.15*	
		For 8 In 12 Slope, Add	*21.78*	
		For 16" On Center Gable Studs, Add	*18.15*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	250.89	72.23
		For 3 In 12 Slope, Add	*3.19*	
		For 5 In 12 Slope, Add	*8.51*	
		For 6 In 12 Slope, Add	*15.96*	
		For 7 In 12 Slope, Add	*21.29*	
		For 8 In 12 Slope, Add	*25.54*	
		For 16" On Center Gable Studs, Add	*21.29*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	271.39	79.71
		For 3 In 12 Slope, Add	*3.36*	
		For 5 In 12 Slope, Add	*8.96*	
		For 6 In 12 Slope, Add	*16.80*	
		For 7 In 12 Slope, Add	*22.40*	
		For 8 In 12 Slope, Add	*26.88*	
		For 16" On Center Gable Studs, Add	*22.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	284.61	84.68
		For 3 In 12 Slope, Add	*3.46*	
		For 5 In 12 Slope, Add	*9.22*	
		For 6 In 12 Slope, Add	*17.29*	
		For 7 In 12 Slope, Add	*23.05*	
		For 8 In 12 Slope, Add	*27.66*	
		For 16" On Center Gable Studs, Add	*23.05*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	304.34	89.67
		For 3 In 12 Slope, Add	*3.75*	
		For 5 In 12 Slope, Add	*10.00*	
		For 6 In 12 Slope, Add	*18.75*	
		For 7 In 12 Slope, Add	*25.00*	
		For 8 In 12 Slope, Add	*30.00*	
		For 16" On Center Gable Studs, Add	*25.00*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	325.12	94.65
		For 3 In 12 Slope, Add	*4.07*	
		For 5 In 12 Slope, Add	*10.87*	
		For 6 In 12 Slope, Add	*20.37*	
		For 7 In 12 Slope, Add	*27.17*	
		For 8 In 12 Slope, Add	*32.60*	
		For 16" On Center Gable Studs, Add	*27.17*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	347.34	99.63
		For 3 In 12 Slope, Add	*4.44*	
		For 5 In 12 Slope, Add	*11.85*	
		For 6 In 12 Slope, Add	*22.21*	
		For 7 In 12 Slope, Add	*29.62*	
		For 8 In 12 Slope, Add	*35.54*	
		For 16" On Center Gable Studs, Add	*29.62*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	363.30	104.61
		For 3 In 12 Slope, Add	*4.62*	
		For 5 In 12 Slope, Add	*12.33*	
		For 6 In 12 Slope, Add	*23.11*	
		For 7 In 12 Slope, Add	*30.82*	
		For 8 In 12 Slope, Add	*36.98*	
		For 16" On Center Gable Studs, Add	*30.82*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	383.70	107.10
		For 3 In 12 Slope, Add	*5.09*	
		For 5 In 12 Slope, Add	*13.56*	
		For 6 In 12 Slope, Add	*25.43*	
		For 7 In 12 Slope, Add	*33.90*	
		For 8 In 12 Slope, Add	*40.68*	
		For 16" On Center Gable Studs, Add	*33.90*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	427.39	112.08
		For 3 In 12 Slope, Add	*6.10*	
		For 5 In 12 Slope, Add	*16.26*	
		For 6 In 12 Slope, Add	*30.48*	
		For 7 In 12 Slope, Add	*40.64*	
		For 8 In 12 Slope, Add	*48.77*	
		For 16" On Center Gable Studs, Add	*40.64*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	448.37	114.57
		For 3 In 12 Slope, Add	*6.58*	
		For 5 In 12 Slope, Add	*17.54*	
		For 6 In 12 Slope, Add	*32.88*	
		For 7 In 12 Slope, Add	*43.85*	
		For 8 In 12 Slope, Add	*52.62*	
		For 16" On Center Gable Studs, Add	*43.85*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	473.30	119.56
		For 3 In 12 Slope, Add	*7.03*	
		For 5 In 12 Slope, Add	*18.74*	
		For 6 In 12 Slope, Add	*35.13*	
		For 7 In 12 Slope, Add	*46.84*	
		For 8 In 12 Slope, Add	*56.21*	
		For 16" On Center Gable Studs, Add	*46.84*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	503.36	124.53
		For 3 In 12 Slope, Add	*7.63*	
		For 5 In 12 Slope, Add	*20.34*	
		For 6 In 12 Slope, Add	*38.14*	
		For 7 In 12 Slope, Add	*50.86*	
		For 8 In 12 Slope, Add	*61.03*	
		For 16" On Center Gable Studs, Add	*50.86*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	567.09	129.52
		For 3 In 12 Slope, Add	*9.24*	
		For 5 In 12 Slope, Add	*24.64*	
		For 6 In 12 Slope, Add	*46.21*	
		For 7 In 12 Slope, Add	*61.61*	
		For 8 In 12 Slope, Add	*73.93*	
		For 16" On Center Gable Studs, Add	*61.61*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	629.35	134.50
		For 3 In 12 Slope, Add	*10.81*	
		For 5 In 12 Slope, Add	*28.83*	
		For 6 In 12 Slope, Add	*54.05*	
		For 7 In 12 Slope, Add	*72.07*	
		For 8 In 12 Slope, Add	*86.48*	
		For 16" On Center Gable Studs, Add	*72.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	650.93	139.48
		For 3 In 12 Slope, Add	*11.16*	
		For 5 In 12 Slope, Add	*29.76*	
		For 6 In 12 Slope, Add	*55.80*	
		For 7 In 12 Slope, Add	*74.39*	
		For 8 In 12 Slope, Add	*89.27*	
		For 16" On Center Gable Studs, Add	*74.39*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	686.52	144.46
		For 3 In 12 Slope, Add	*11.93*	
		For 5 In 12 Slope, Add	*31.81*	
		For 6 In 12 Slope, Add	*59.64*	
		For 7 In 12 Slope, Add	*79.52*	
		For 8 In 12 Slope, Add	*95.42*	
		For 16" On Center Gable Studs, Add	*79.52*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	755.13	149.44
		For 3 In 12 Slope, Add	*13.69*	
		For 5 In 12 Slope, Add	*36.50*	
		For 6 In 12 Slope, Add	*68.44*	
		For 7 In 12 Slope, Add	*91.25*	
		For 8 In 12 Slope, Add	*109.50*	
		For 16" On Center Gable Studs, Add	*91.25*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	771.17	154.43
		For 3 In 12 Slope, Add	*13.87*	
		For 5 In 12 Slope, Add	*36.99*	
		For 6 In 12 Slope, Add	*69.35*	
		For 7 In 12 Slope, Add	*92.46*	
		For 8 In 12 Slope, Add	*110.96*	
		For 16" On Center Gable Studs, Add	*92.46*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	798.50	156.91
		For 3 In 12 Slope, Add	*14.54*	
		For 5 In 12 Slope, Add	*38.77*	
		For 6 In 12 Slope, Add	*72.70*	
		For 7 In 12 Slope, Add	*96.93*	
		For 8 In 12 Slope, Add	*116.32*	
		For 16" On Center Gable Studs, Add	*96.93*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	832.27	161.90
		For 3 In 12 Slope, Add	*15.25*	
		For 5 In 12 Slope, Add	*40.68*	
		For 6 In 12 Slope, Add	*76.27*	
		For 7 In 12 Slope, Add	*101.69*	
		For 8 In 12 Slope, Add	*122.03*	
		For 16" On Center Gable Studs, Add	*101.69*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	865.46	164.39
		For 3 In 12 Slope, Add	*16.10*	
		For 5 In 12 Slope, Add	*42.94*	
		For 6 In 12 Slope, Add	*80.50*	
		For 7 In 12 Slope, Add	*107.34*	
		For 8 In 12 Slope, Add	*128.81*	
		For 16" On Center Gable Studs, Add	*107.34*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	885.00	166.87
		For 3 In 12 Slope, Add	*16.54*	
		For 5 In 12 Slope, Add	*44.10*	
		For 6 In 12 Slope, Add	*82.69*	
		For 7 In 12 Slope, Add	*110.25*	
		For 8 In 12 Slope, Add	*132.30*	
		For 16" On Center Gable Studs, Add	*110.25*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	8.03	1.63
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	10.03	2.04
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	12.03	2.46
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	12.70	2.59
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	14.04	2.86
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	16.04	3.27
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	18.06	3.68
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	18.72	3.81
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	20.06	4.09
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	21.38	4.36
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	22.06	4.50
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	24.06	4.91
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	26.07	5.32
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	28.07	5.73
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	30.09	6.14
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	12.61	2.57
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	15.76	3.22
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	18.92	3.85
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	19.96	4.07
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	22.06	4.50
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	25.22	5.14
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	28.38	5.78
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	29.41	5.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	31.52	6.43
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	33.62	6.85
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	34.68	7.07
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	37.82	7.71
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	40.98	8.36
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	44.14	8.99
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	47.28	9.64
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	50.44	10.28
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	23.22	4.73
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	24.51	4.99
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	27.08	5.52
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	30.96	6.31
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	34.83	7.10
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	36.10	7.36
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	38.69	7.88
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	41.26	8.41
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	42.56	8.67
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	46.42	9.46
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	50.29	10.25
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	54.17	11.04
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	58.02	11.83
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	61.90	12.62
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	30.09	6.14
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	31.76	6.47
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	35.10	7.15
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	40.12	8.17
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	45.14	9.20
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	46.81	9.54
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	50.14	10.22
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	53.49	10.91
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	55.16	11.24
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	60.18	12.26
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	65.19	13.28
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	70.21	14.31
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	75.22	15.33
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	80.23	16.35

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	3.88	0.90
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	3.92	0.90
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	3.93	0.85

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	12.48	1.83
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	14.08	2.03
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	25.52	4.34
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	28.42	4.55

06 20 Finish Carpentry *(06)*

06 20 23 Interior Finish Carpentry *(06 20)*

06 20 23 00-0001 Residential Wood Shelving *(06 20 23)*

Note: Wood shelving is clear or finger jointed pine, poplar, laminated particleboard or medium-density fiberboard (MDF) shelving. Includes brackets.

06 20 23 00-0002	LF	12" Wide Wood Shelving For Residential Closets	21.95	3.30
06 20 23 00-0003	LF	16" Wide Wood Shelving For Residential Closets	32.93	5.00
06 20 23 00-0004	LF	20" Wide Wood Shelving For Residential Closets	44.08	6.66

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	2.13	0.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	2.27	0.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	3.12	0.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	3.61	0.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	11.38	1.81
		For Birch, Add	*3.17*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.22*	
		For Poplar, Add	*1.76*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
		For Stain Grade Material (No Finger Joints), Add	*1.15*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	15.66	2.17
		For Birch, Add	*4.53*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.97*	
		For Poplar, Add	*2.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
		For Stain Grade Material (No Finger Joints), Add	*1.63*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	4.68	1.24
		For Birch, Add	*0.94*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.39*	
		For Poplar, Add	*0.52*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
		For Stain Grade Material (No Finger Joints), Add	*0.34*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	5.63	1.24
		For Birch, Add	*1.29*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.81*	
		For Poplar, Add	*0.71*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
		For Stain Grade Material (No Finger Joints), Add	*0.46*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	7.53	1.54
		For Birch, Add	*1.79*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.49*	
		For Poplar, Add	*0.99*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
		For Stain Grade Material (No Finger Joints), Add	*0.64*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	9.10	1.54
		For Birch, Add	*2.35*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.20*	
		For Poplar, Add	*1.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
		For Stain Grade Material (No Finger Joints), Add	*0.85*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	11.43	1.86
		For Birch, Add	*3.00*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.06*	
		For Poplar, Add	*1.67*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.71*	
		For Stain Grade Material (No Finger Joints), Add	*1.08*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	4.93	1.44
		For Birch, Add	*1.03*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.50*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	4.36	1.08
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.42*	
		For Poplar, Add	*0.56*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	7.38	1.08
		For Birch, Add	*2.10*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.78*	
		For Poplar, Add	*1.17*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Stain Grade Material (No Finger Joints), Add	*0.76*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	2.40	0.62
		For Birch, Add	*0.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.71*	
		For Poplar, Add	*0.27*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	2.74	0.62
		For Birch, Add	*0.60*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.86*	
		For Poplar, Add	*0.33*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Stain Grade Material (No Finger Joints), Add	*0.22*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	3.82	0.78
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.27*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	3.82	0.78
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.27*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	5.34	0.78
		For Birch, Add	*1.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.95*	
		For Poplar, Add	*0.81*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	41.61	0.93
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	53.19	0.93
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	8.07	2.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.87*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	8.83	2.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.80*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	7.36	1.34
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	9.62	1.34
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	14.27	1.49

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	3.29	0.94
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*0.64*	
		For Glue Laminated Installation, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.34*	
		For 1/2" Thick Paneling, Add	*0.88*	
		For 5/8" Thick Paneling, Add	*1.12*	
		For 3/4" Thick Paneling, Add	*1.43*	
		For Fire Retardant Treatment (Class I), Add	*0.91*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	3.57	1.15
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*0.75*	
		For Glue Laminated Installation, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.35*	
		For 1/2" Thick Paneling, Add	*0.87*	
		For 5/8" Thick Paneling, Add	*1.10*	
		For 3/4" Thick Paneling, Add	*1.38*	
		For Fire Retardant Treatment (Class I), Add	*0.84*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	4.09	0.94
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*0.64*	
		For Glue Laminated Installation, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.48*	
		For 1/2" Thick Paneling, Add	*1.31*	
		For 5/8" Thick Paneling, Add	*1.72*	
		For 3/4" Thick Paneling, Add	*2.25*	
		For Fire Retardant Treatment (Class I), Add	*1.54*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	3.81	1.15
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*0.75*	
		For Glue Laminated Installation, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.39*	
		For 1/2" Thick Paneling, Add	*1.00*	
		For 5/8" Thick Paneling, Add	*1.28*	
		For 3/4" Thick Paneling, Add	*1.63*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	3.05	0.94
		For Waterproof Glue, Add	*0.06*	
		For Glue Laminated Installation, Add	*0.15*	
		For Lumber Core, Add	*0.10*	
		For Fire Retardant Treatment (Class I), Add	*0.72*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Remove And Reinstall Base Cabinets	39.48	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	34.33	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	8.76	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	344.30	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	367.56	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	384.96	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	406.12	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	467.44	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	490.08	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	532.54	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	562.34	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	579.88	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	664.75	41.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	748.22	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	833.12	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	787.70	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	882.23	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	350.08	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	357.93	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	393.62	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	420.56	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	439.51	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	463.12	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	785.77	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	830.02	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	873.56	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	438.66	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	447.48	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	487.98	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	520.70	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	549.28	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	578.67	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	826.22	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	875.28	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	925.56	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	304.82	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	327.38	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	361.82	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	388.78	33.54
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	257.44	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	263.30	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	276.84	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	283.65	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	291.42	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	305.93	25.80
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	329.11	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	361.82	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	388.78	33.54
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	269.00	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	283.52	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	294.18	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	305.80	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	322.23	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	342.01	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	359.85	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	373.40	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	381.08	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	285.95	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	313.96	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	337.03	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	365.53	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	393.08	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	435.00	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	446.11	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	489.59	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	504.18	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	327.36	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	357.29	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	383.25	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	413.68	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	492.26	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	494.70	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	513.51	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	564.69	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	579.28	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	370.69	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	407.36	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	435.24	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	464.71	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	509.59	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	546.69	23.23
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	577.06	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	634.98	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	654.39	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0095		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	348.63	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	376.51	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	406.56	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	442.24	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	529.94	41.28
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0101		**Utility Cabinets, 84" High** *(06 41 13 00-0006)*		
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	656.45	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	747.09	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	844.48	215.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	885.07	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,088.37	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,266.64	55.04
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	754.66	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	836.63	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	961.95	32.11
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,020.83	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,287.68	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,482.32	55.04
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0114		**Solid Oak Face Frame And Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0115		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	306.75	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	327.12	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	342.59	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	361.82	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	415.44	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	436.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	472.84	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	499.76	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	515.37	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	590.61	41.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	663.49	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	737.80	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	698.15	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	781.12	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	312.53	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	319.41	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	350.29	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	374.34	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	391.37	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	412.09	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	696.23	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	734.70	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	773.42	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	389.56	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	398.37	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	434.06	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	462.93	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	487.66	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	514.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	731.85	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	775.14	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	819.64	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	272.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	291.75	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0153		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	230.48	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	235.37	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	247.00	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	253.80	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	260.61	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	273.19	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	293.48	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0163		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	240.11	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	252.71	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	262.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	273.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	287.57	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	305.42	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	320.38	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	332.96	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	339.68	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	256.10	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	281.23	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	301.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	326.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	350.72	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	387.82	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	397.97	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	435.67	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	449.29	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	292.69	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	318.78	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	341.84	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	368.42	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	438.34	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	439.81	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	456.70	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	502.10	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	514.77	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	330.25	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	363.07	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	388.06	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	413.68	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	453.75	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	486.03	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	512.55	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	563.73	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	581.21	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	311.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	336.07	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	362.27	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	394.09	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	471.20	41.28
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0209 Utility Cabinets, 84" High *(06 41 13 00-0114)*

06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	587.12	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	668.13	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	754.93	215.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	791.67	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	970.89	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,128.95	55.04
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	673.78	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	747.09	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	857.96	32.11
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	911.07	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,146.14	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,318.63	55.04
		For All Plywood Box Construction, Add	*234.94*	

06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	306.75	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	327.12	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	342.59	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	361.82	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	415.44	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	436.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	472.84	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	499.76	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	515.37	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	590.61	41.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	663.49	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	737.80	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	698.15	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	781.12	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	312.53	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	319.41	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	350.29	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	374.34	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	391.37	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	412.09	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	696.23	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	734.70	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	773.42	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	389.56	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	398.37	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	434.06	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	462.93	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	487.66	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	514.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	731.85	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	775.14	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	819.64	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0256		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	272.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	291.75	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0261		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	230.48	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	235.37	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	247.00	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	253.80	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	260.61	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	273.19	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	293.48	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0271		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	240.11	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	252.71	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	262.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	273.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	287.57	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	305.42	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	320.38	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	332.96	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	339.68	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0281		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	256.10	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	281.23	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	301.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	326.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	350.72	20.64
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	387.82	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	397.97	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	435.67	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	449.29	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	292.69	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	318.78	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	341.84	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	368.42	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	438.34	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	439.81	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	456.70	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	502.10	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	514.77	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	330.25	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	363.07	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	388.06	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	413.68	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	453.75	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	486.03	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	512.55	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	563.73	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	581.21	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	311.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	336.07	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	362.27	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	394.09	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	471.20	41.28
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0317 Utility Cabinets, 84" High *(06 41 13 00-0222)*

06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	587.12	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	668.13	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	754.93	215.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	791.67	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	970.89	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,128.95	55.04
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	673.78	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	747.09	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	857.96	32.11
		For All Plywood Box Construction, Add	*234.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	911.07	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,146.14	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,318.63	55.04
		For All Plywood Box Construction, Add	*234.94*	

06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*

06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	306.75	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	327.12	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	342.59	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	361.82	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	415.44	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	436.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	472.84	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	499.76	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	515.37	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	590.61	41.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	663.49	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	737.80	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	698.15	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	781.12	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	312.53	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	319.41	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	350.29	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	374.34	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	391.37	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	412.09	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	696.23	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	734.70	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	773.42	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	389.56	10.32
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	398.37	12.90
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	434.06	15.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	462.93	18.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	487.66	20.64
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	514.16	23.22
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	731.85	25.80
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	775.14	28.38
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	819.64	30.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	272.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	291.75	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	230.48	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	235.37	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	247.00	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	253.80	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	260.61	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	273.19	25.80
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	293.48	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	322.35	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	346.42	33.54
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	240.11	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	252.71	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	262.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	273.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	287.57	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	305.42	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	320.38	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	332.96	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	339.68	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0389 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	256.10	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	281.23	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	301.40	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	326.06	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	350.72	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	387.82	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	397.97	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	435.67	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	449.29	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0399 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	292.69	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	318.78	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	341.84	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	368.42	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	438.34	20.64
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	439.81	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	456.70	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	502.10	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	514.77	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0409 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	330.25	10.32
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	363.07	12.90
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	388.06	15.48
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	413.68	18.06
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	453.75	20.64
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	486.03	23.23
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	512.55	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	563.73	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	581.21	30.96
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0419 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0330)*

06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	311.08	25.80
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	336.07	28.38
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	362.27	30.96
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	394.09	33.54
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	471.20	41.28
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0425 Utility Cabinets, 84" High *(06 41 13 00-0330)*

06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	587.12	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	668.13	27.53
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	754.93	215.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	791.67	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	970.89	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,128.95	55.04
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	673.78	22.93
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	747.09	27.53
		For All Plywood Box Construction, Add	*234.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	857.96	32.11
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	911.07	36.69
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,146.14	45.87
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,318.63	55.04
		For All Plywood Box Construction, Add	*234.94*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	15.93	4.39
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	16.97	4.39
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	18.80	4.39
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	20.83	4.39
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	21.87	4.39
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	33.09	4.39
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	79.54	4.39
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	12.90	3.36
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	12.71	3.36
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	17.70	3.87
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	22.58	3.87
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	25.92	3.87
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	30.48	3.87
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	51.68	3.87
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	28.99	5.16
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	44.05	5.16
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	110.20	7.74
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	36.64	4.39
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	23.57	4.39
06 41 93 00-0021	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys	82.55	

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	9.35	1.08
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	10.05	1.08

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	10.70	1.03
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	9.74	1.03

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	11.44	1.08

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	6.54	0.93

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	3.96	0.94
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*0.64*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	3.28	0.83
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*0.56*	
		For Installation On Metal Studs Or Furring, Add	*0.21*	
		For Glue Laminated Installation, Add	*0.16*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.37*	
		For 1/2" Thick Paneling, Add	*0.98*	
		For 5/8" Thick Paneling, Add	*1.28*	
		For 3/4" Thick Paneling, Add	*1.65*	
		For Fire Retardant Treatment (Class I), Add	*1.11*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	3.38	0.83
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*0.56*	
		For Installation On Metal Studs Or Furring, Add	*0.21*	
		For Glue Laminated Installation, Add	*0.17*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.38*	
		For 1/2" Thick Paneling, Add	*1.04*	
		For 5/8" Thick Paneling, Add	*1.35*	
		For 3/4" Thick Paneling, Add	*1.76*	
		For Fire Retardant Treatment (Class I), Add	*1.19*	
06 42 16 00-0007		Knotty Pine *(06 42 16 00-0003)*		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	3.93	0.94
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.20*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.45*	
		For 1/2" Thick Paneling, Add	*1.24*	
		For 5/8" Thick Paneling, Add	*1.63*	
		For 3/4" Thick Paneling, Add	*2.13*	
		For Fire Retardant Treatment (Class I), Add	*1.45*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	3.85	0.94
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.19*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.20*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*2.05*	
		For Fire Retardant Treatment (Class I), Add	*1.39*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	3.53	1.04
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*0.71*	
		For Installation On Metal Studs Or Furring, Add	*0.26*	
		For Glue Laminated Installation, Add	*0.18*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.36*	
		For 1/2" Thick Paneling, Add	*0.92*	
		For 5/8" Thick Paneling, Add	*1.17*	
		For 3/4" Thick Paneling, Add	*1.49*	
		For Fire Retardant Treatment (Class I), Add	*0.93*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	3.85	1.04
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*0.71*	
		For Installation On Metal Studs Or Furring, Add	*0.26*	
		For Glue Laminated Installation, Add	*0.19*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.42*	
		For 1/2" Thick Paneling, Add	*1.09*	
		For 5/8" Thick Paneling, Add	*1.41*	
		For 3/4" Thick Paneling, Add	*1.81*	
		For Fire Retardant Treatment (Class I), Add	*1.19*	
06 42 16 00-0013		Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	3.65	0.94
		For Flitch Matched Veneer, Add	*0.78*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.23*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.18*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.41*	
		For 1/2" Thick Paneling, Add	*1.09*	
		For 5/8" Thick Paneling, Add	*1.42*	
		For 3/4" Thick Paneling, Add	*1.84*	
		For Fire Retardant Treatment (Class I), Add	*1.23*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	4.35	0.94
		For Flitch Matched Veneer, Add	*1.13*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.34*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.22*	
		For Lumber Core, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.52*	
		For 1/2" Thick Paneling, Add	*1.47*	
		For 5/8" Thick Paneling, Add	*1.95*	
		For 3/4" Thick Paneling, Add	*2.56*	
		For Fire Retardant Treatment (Class I), Add	*1.79*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	7.36	0.94
		For Flitch Matched Veneer, Add	*2.43*	
		For Second Grade Veneer, Deduct	*-0.49*	
		For Third Grade Veneer, Deduct	*-0.73*	
		For Waterproof Glue, Add	*0.34*	
		For Ceiling Installation, Add	*0.75*	
		For Installation On Metal Studs Or Furring, Add	*0.28*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.53*	
		For 1/8" Thick Paneling, Deduct	*-0.99*	
		For 1/2" Thick Paneling, Add	*2.92*	
		For 5/8" Thick Paneling, Add	*3.95*	
		For 3/4" Thick Paneling, Add	*5.26*	
		For Fire Retardant Treatment (Class I), Add	*3.84*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	2.90	0.94
		For Flitch Matched Veneer, Add	*0.52*	
		For Second Grade Veneer, Deduct	*-0.10*	
		For Third Grade Veneer, Deduct	*-0.15*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*0.56*	
		For Installation On Metal Studs Or Furring, Add	*0.21*	
		For Glue Laminated Installation, Add	*0.15*	
		For Lumber Core, Add	*0.11*	
		For 1/8" Thick Paneling, Deduct	*-0.30*	
		For 1/2" Thick Paneling, Add	*0.78*	
		For 5/8" Thick Paneling, Add	*1.00*	
		For 3/4" Thick Paneling, Add	*1.28*	
		For Fire Retardant Treatment (Class I), Add	*0.81*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	6.26	0.94
		For Flitch Matched Veneer, Add	*1.96*	
		For Second Grade Veneer, Deduct	*-0.39*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.27*	
		For Ceiling Installation, Add	*0.71*	
		For Installation On Metal Studs Or Furring, Add	*0.26*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-0.82*	
		For 1/2" Thick Paneling, Add	*2.39*	
		For 5/8" Thick Paneling, Add	*3.21*	
		For 3/4" Thick Paneling, Add	*4.27*	
		For Fire Retardant Treatment (Class I), Add	*3.09*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	3.82	0.94
		For Flitch Matched Veneer, Add	*0.87*	
		For Second Grade Veneer, Deduct	*-0.17*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.19*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.19*	
		For 5/8" Thick Paneling, Add	*1.55*	
		For 3/4" Thick Paneling, Add	*2.02*	
		For Fire Retardant Treatment (Class I), Add	*1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	4.64	0.94
		For Flitch Matched Veneer, Add	*1.15*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.34*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*0.71*	
		For Installation On Metal Studs Or Furring, Add	*0.26*	
		For Glue Laminated Installation, Add	*0.23*	
		For Lumber Core, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.55*	
		For 1/2" Thick Paneling, Add	*1.52*	
		For 5/8" Thick Paneling, Add	*2.00*	
		For 3/4" Thick Paneling, Add	*2.62*	
		For Fire Retardant Treatment (Class I), Add	*1.81*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	8.48	0.94
		For Flitch Matched Veneer, Add	*2.77*	
		For Second Grade Veneer, Deduct	*-0.55*	
		For Third Grade Veneer, Deduct	*-0.83*	
		For Waterproof Glue, Add	*0.39*	
		For Ceiling Installation, Add	*0.89*	
		For Installation On Metal Studs Or Furring, Add	*0.32*	
		For Glue Laminated Installation, Add	*0.42*	
		For Lumber Core, Add	*0.61*	
		For 1/8" Thick Paneling, Deduct	*-1.13*	
		For 1/2" Thick Paneling, Add	*3.34*	
		For 5/8" Thick Paneling, Add	*4.50*	
		For 3/4" Thick Paneling, Add	*5.99*	
		For Fire Retardant Treatment (Class I), Add	*4.37*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	6.25	0.94
		For Flitch Matched Veneer, Add	*1.95*	
		For Second Grade Veneer, Deduct	*-0.39*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.27*	
		For Ceiling Installation, Add	*0.71*	
		For Installation On Metal Studs Or Furring, Add	*0.26*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.43*	
		For 1/8" Thick Paneling, Deduct	*-0.82*	
		For 1/2" Thick Paneling, Add	*2.39*	
		For 5/8" Thick Paneling, Add	*3.21*	
		For 3/4" Thick Paneling, Add	*4.26*	
		For Fire Retardant Treatment (Class I), Add	*3.08*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	5.41	0.94
		For Flitch Matched Veneer, Add	*1.66*	
		For Second Grade Veneer, Deduct	*-0.33*	
		For Third Grade Veneer, Deduct	*-0.50*	
		For Waterproof Glue, Add	*0.23*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*2.04*	
		For 5/8" Thick Paneling, Add	*2.74*	
		For 3/4" Thick Paneling, Add	*3.64*	
		For Fire Retardant Treatment (Class I), Add	*2.62*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	3.85	0.94
		For Flitch Matched Veneer, Add	*0.88*	
		For Second Grade Veneer, Deduct	*-0.18*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*0.63*	
		For Installation On Metal Studs Or Furring, Add	*0.23*	
		For Glue Laminated Installation, Add	*0.19*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*1.20*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*2.05*	
		For Fire Retardant Treatment (Class I), Add	*1.39*	

06 42 16 00-0025 Accessories *(06 42 16)*

06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	44.63	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001 Plastic Laminate *(06 42 19)*

Note: Standard colors and patterns.

06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	8.50	1.81

06 43 Wood Stairs and Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001 Stair Parts *(06 43 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0002	EA	30" Baluster, Pine	37.63	10.46
06 43 13 00-0003	EA	30" Baluster, Birch	47.35	10.46
06 43 13 00-0004	EA	42" Baluster, Pine	43.97	10.82
06 43 13 00-0005	EA	42" Baluster, Birch	54.34	10.82
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	253.22	41.12
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	374.15	57.71
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	135.45	36.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.84*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	162.45	39.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*13.02*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	30.33	5.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.78*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	43.65	3.04
		For Beech, Add	*11.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	54.35	3.04
		For Beech, Add	*14.49*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	21.22	3.04
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	30.95	3.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	28.68	3.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	14.09	3.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	13.38	3.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	28.21	

06 43 13 00-0019 Interior Box Stairs *(06 43 13)*

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	228.97	31.38
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*10.31*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*57.45*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*17.60*	
		For Oak Or Maple Treads, Add	*82.87*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	244.50	32.10
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*10.54*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*57.75*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*17.73*	
		For Oak Or Maple Treads, Add	*89.40*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	259.53	32.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*10.67*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*57.91*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*17.80*	
		For Oak Or Maple Treads, Add	*95.92*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	277.05	32.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*10.78*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.07*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*17.86*	
		For Oak Or Maple Treads, Add	*103.57*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	287.18	33.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*10.90*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.22*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*17.93*	
		For Oak Or Maple Treads, Add	*107.90*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	297.82	33.91
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.14*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.53*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*18.05*	
		For Oak Or Maple Treads, Add	*112.23*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	307.95	34.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.26*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.69*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*18.12*	
		For Oak Or Maple Treads, Add	*116.55*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	318.09	34.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.38*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.84*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*18.18*	
		For Oak Or Maple Treads, Add	*120.88*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	328.20	34.99
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.49*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*58.99*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*18.25*	
		For Oak Or Maple Treads, Add	*125.20*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	339.26	36.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*11.85*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*59.46*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*18.44*	
		For Oak Or Maple Treads, Add	*129.48*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 16 00-0002		Wood Handrail With Brackets *(06 43 16 00-0001)* Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	13.17	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	14.79	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	20.18	2.57
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	21.53	2.57
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	26.38	2.57
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	41.36	2.57

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	62.06	3.17
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	76.26	4.64
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	94.63	5.38
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	115.09	5.62
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	270.19	6.35
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	315.15	6.84
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	381.38	7.33
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	457.43	7.82
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	72.55	3.17
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	84.67	4.64
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	106.24	5.38
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	127.50	5.62
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	295.41	6.35
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	405.63	6.84
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	437.43	7.33
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	493.46	7.82

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	76.15	3.17
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	92.27	4.64
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	115.44	5.38
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	141.12	5.62
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	335.49	6.35
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	391.62	6.84
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	474.38	7.33
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	569.45	7.82
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	89.28	3.17
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	103.76	4.64
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	130.50	5.38
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	157.05	5.62
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	367.08	6.35
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	505.04	6.84
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	544.65	7.33
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	614.65	7.82

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	67.04	3.17
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	82.26	4.64
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	102.17	5.38
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	124.43	5.62
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	78.48	3.17
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	91.42	4.64
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	114.82	5.38
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	137.96	5.62

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*
Note: Paint grade/finger jointed redwood.

06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	108.98	3.17
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	129.11	4.64
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	162.29	5.38
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	200.77	5.62
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	126.60	3.17
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	147.92	4.64
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	184.31	5.38
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	229.60	5.62

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*
Note: For tapered wood columns.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	349.49	6.60
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	535.12	7.33
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	749.75	8.55
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	960.39	9.77
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	309.46	6.60
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	435.03	7.33
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	541.57	8.55
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	712.16	9.77
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	325.96	6.84
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	435.03	7.33
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	541.57	8.55
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	692.14	9.77
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	329.96	6.84
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	475.06	7.33
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	561.58	8.55
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	776.22	9.77
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	329.96	6.84
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	519.10	7.33
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	689.70	8.55
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	856.29	9.77

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	721.83	6.60
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	811.37	7.33
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,034.00	8.55
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,136.54	9.77
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	473.60	6.60
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	551.13	7.33
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	681.70	8.55
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	860.30	9.77
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	454.08	6.84
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	599.18	7.33
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	725.74	8.55
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	860.30	9.77
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	542.16	6.84
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	723.29	7.33
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	813.81	8.55
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,036.45	9.77
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	454.08	6.84
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	591.17	7.33
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	773.78	8.55
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	992.41	9.77
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	514.13	6.84
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	631.20	7.33
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	769.78	8.55
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	860.30	9.77

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	3.05	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	3.10	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	4.40	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	2.89	0.98
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	3.27	0.98
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	4.44	0.62
		For Clear Birch, Add	*0.76*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.28*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
		For Clear Poplar, Add	*0.48*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	5.32	0.78
		For Clear Birch, Add	*0.88*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.49*	
		For Stain Grade Material (No Finger Joints), Add	*0.50*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	7.08	0.88
		For Clear Birch, Add	*1.36*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.20*	
		For Stain Grade Material (No Finger Joints), Add	*0.77*	
		For Clear Poplar, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	4.23	0.98
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	4.01	0.98
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	3.54	0.98

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	5.97	0.93
		For Birch, Add	*1.25*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.97*	
		For Poplar, Add	*0.78*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	7.95	0.93
		For Birch, Add	*1.88*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.86*	
		For Poplar, Add	*1.18*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	4.40	0.93
		For Birch, Add	*0.92*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.44*	
		For Poplar, Add	*0.57*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	3.84	0.93
		For Birch, Add	*0.64*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.01*	
		For Poplar, Add	*0.80*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	5.37	0.98
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.66*	
		For Poplar, Add	*1.45*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	8.37	1.03
		For Birch, Add	*2.21*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.98*	
		For Poplar, Add	*2.76*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	9.96	1.03
		For Birch, Add	*2.74*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.66*	
		For Poplar, Add	*3.43*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	11.80	1.08
		For Birch, Add	*3.37*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.45*	
		For Poplar, Add	*4.21*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	15.88	1.18
		For Birch, Add	*4.79*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*6.25*	
		For Poplar, Add	*5.99*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	2.93	1.03
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	3.45	1.14
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	3.85	1.21
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	4.71	1.35
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	2.86	1.03
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	3.36	1.14
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	3.98	1.21
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	5.10	1.35

06 46 29 00-0011 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board	3.34	1.03
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board	4.10	1.14
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board	5.10	1.21
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board	6.46	1.35

06 46 29 00-0016 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board	2.69	1.03
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	3.13	1.14
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	3.95	1.35

06 46 29 00-0020 Soffit *(06 46 29)*

06 46 29 00-0021 Sanded Plywood Soffit *(06 46 29 00-0020)*

06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	2.72	0.78
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	3.07	0.82
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	3.22	0.86
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	3.68	0.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0026		MDO Plywood Soffit *(06 46 29 00-0020)*		
06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	3.25	0.78
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	3.74	0.82
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	4.98	0.91
06 46 29 00-0030		Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0020)*		
06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	2.27	0.69
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	2.55	0.72
06 46 36		**Custom Wood Molding** *(06 46)*		
		Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.		
06 46 36 00-0001		Ash *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	5.82	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	7.88	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	9.94	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	12.00	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	14.11	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	16.23	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	18.28	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	20.36	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	22.39	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	24.51	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	26.59	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	7.26	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	9.97	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	12.70	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	15.43	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	18.27	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	21.05	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	23.77	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	26.51	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	29.25	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	32.05	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	34.81	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	9.07	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	12.69	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	16.33	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	19.96	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	23.66	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	27.34	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	30.98	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	34.61	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	38.22	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	41.92	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	45.59	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	11.69	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	16.60	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	21.53	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	26.45	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	31.38	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	36.41	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	41.42	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	46.25	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	51.14	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	56.61	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	61.08	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	

06 46 36 00-0046 Basswood *(06 46 36)*

06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	4.49	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	5.87	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	7.27	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	8.66	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	10.11	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	11.56	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	12.95	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	14.35	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	15.72	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	17.17	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	18.58	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	5.35	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	7.12	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	8.89	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	10.67	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	12.55	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	14.38	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	16.14	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	17.93	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	19.72	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	21.57	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	23.37	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	8.02	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	11.12	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	14.23	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	17.34	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	20.51	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	23.67	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	26.78	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	29.89	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	32.97	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	36.15	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	39.29	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	37.30	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	46.17	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	54.99	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	63.91	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	72.73	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	81.70	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	90.43	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	99.25	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	108.18	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0089		**Birch** *(06 46 36)*		
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	4.97	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	6.59	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	8.22	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	9.85	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	11.54	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	13.23	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	14.85	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	16.50	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	18.10	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	19.79	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	21.44	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	6.06	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	8.16	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	10.32	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	12.48	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	14.70	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	16.85	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	19.00	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	21.17	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	23.30	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	25.48	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	27.66	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	7.35	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	10.12	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	12.90	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	15.67	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	18.51	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	21.34	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	24.11	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	26.89	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	29.64	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	32.48	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	35.29	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	9.41	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	13.17	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	16.95	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	20.73	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	24.52	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	28.40	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	32.17	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	35.96	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	39.70	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	44.03	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	47.35	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	4.97	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	6.59	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	8.22	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	9.85	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	11.54	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	13.23	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	6.16	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	8.35	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	10.56	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	12.76	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	15.03	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	17.28	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	8.59	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	11.98	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	15.38	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	18.77	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	22.23	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	25.67	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	8.83	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	12.32	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	15.81	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	19.30	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	22.80	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	26.40	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	32.72	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	40.45	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	48.13	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	55.90	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	63.58	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	71.31	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	78.99	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	86.66	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	94.45	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	
06 46 36 00-0168		**Cherry** *(06 46 36)*		
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	6.49	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	8.88	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	11.27	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	13.67	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	16.11	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	18.57	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	20.95	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	23.36	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	25.72	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	28.18	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	30.60	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	8.07	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	11.21	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	14.37	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	17.53	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	20.75	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	23.96	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	27.10	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	30.32	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	33.40	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	36.63	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	39.82	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	9.78	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	13.79	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	17.76	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	21.77	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	25.80	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	29.87	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	33.84	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	37.85	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	41.79	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	45.88	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	49.88	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	13.03	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	18.61	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	24.20	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	29.78	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	35.38	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	41.08	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	46.66	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	52.26	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	57.81	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	63.57	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	69.09	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	

06 46 36 00-0213 Cypress *(06 46 36)*

06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	4.49	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	5.87	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	7.27	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	8.66	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	10.11	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	11.56	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	13.33	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	14.78	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	17.62	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	19.27	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	6.54	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	8.88	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	11.27	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	13.67	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	16.12	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	18.52	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	20.91	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	23.31	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	25.68	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	28.19	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	30.52	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	7.88	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	10.89	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	13.90	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	16.92	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	19.94	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	23.07	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	26.07	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	29.10	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	34.93	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	38.22	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	

06 46 36 00-0245 Fir *(06 46 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	5.25	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	7.02	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	8.79	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	10.57	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	12.40	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	14.23	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	16.00	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	17.78	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	19.53	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	21.36	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	6.54	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	8.88	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	11.27	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	13.67	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	16.12	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	18.52	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	20.91	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	23.31	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	25.68	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	28.19	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	30.52	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	7.50	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	10.36	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	13.18	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	16.05	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	18.94	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	21.86	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	24.69	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	27.56	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	30.35	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	33.29	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	36.15	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	8.83	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	12.32	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	15.81	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	19.30	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	22.80	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	26.40	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	29.88	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	33.38	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	36.84	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	40.41	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	43.92	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	15.79	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	22.70	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	29.62	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	36.59	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	43.50	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	50.51	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	57.43	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	64.50	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	71.31	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	78.23	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	37.39	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	46.17	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	54.99	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	63.91	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	72.73	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	81.61	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	90.43	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	99.25	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	7.06	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	9.73	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	12.42	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	15.10	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	17.83	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	20.57	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	23.24	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	25.93	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.54*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	28.58	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	31.33	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	34.03	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	8.92	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	12.45	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	16.04	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	19.63	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	23.27	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	26.86	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	30.44	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	34.04	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	37.59	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	41.20	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	45.30	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.36	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	14.65	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	18.90	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	23.20	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	27.52	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	31.87	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	36.12	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	40.43	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	43.70	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	49.02	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	53.31	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	13.22	0.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	18.89	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	24.58	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.48*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	30.26	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	35.95	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	41.75	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	47.42	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	53.12	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	58.76	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	64.53	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.61*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	70.32	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	16.07	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.46*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	23.17	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	30.23	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	37.39	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	44.45	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	51.65	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.56*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	58.71	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	65.87	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	72.93	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	80.04	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	87.20	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.65*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	20.17	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.47*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	27.85	0.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	36.49	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	45.17	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.52*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	53.79	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	62.52	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.57*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	71.15	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	79.84	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.60*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	88.47	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	97.10	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	105.84	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	50.26	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.51*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	62.37	0.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	74.43	0.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.55*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	86.60	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.58*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	98.66	0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.59*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	110.78	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.62*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	122.84	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	134.90	0.83
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	147.07	0.88
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.68*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	4.87	0.56
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	6.45	0.56
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	8.03	0.56
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	9.62	0.62
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	11.25	0.62
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	12.90	0.67
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	14.47	0.67
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	16.07	0.67
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	17.62	0.73
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	19.27	0.78
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	20.87	0.78
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	6.06	0.56
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	8.16	0.56
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	10.32	0.62
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	12.48	0.62
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	14.70	0.67
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	16.85	0.67
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	19.00	0.67
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	21.17	0.73
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	23.30	0.73
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	24.52	0.78
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	27.66	0.78
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	7.07	0.56
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	9.69	0.56
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	12.33	0.62
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	14.96	0.62
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	17.65	0.67
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	20.34	0.67
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	22.97	0.73
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	25.60	0.73
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	28.21	0.73
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	30.91	0.78
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	33.57	0.83
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	9.21	0.56
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	12.89	0.62
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	16.57	0.62
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	20.25	0.67
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	23.94	0.67
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	27.74	0.73
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	31.41	0.73
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	35.58	0.78
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	38.74	0.78
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	42.60	0.83
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	46.21	0.83
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	12.73	0.62
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	18.17	0.62
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	23.56	0.62
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	29.05	0.67
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	34.44	0.67
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	39.98	0.73
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	45.37	0.73
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	50.85	0.78
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	56.25	0.78
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	61.69	0.83
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	67.66	0.88
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	54.08	0.67
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	67.14	0.67
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	80.15	0.73
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	93.27	0.78
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	106.28	0.78
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	119.36	0.83
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	132.37	0.83
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	145.38	0.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	158.51	0.88
06 46 36 00-0448		**Appl Soft Maple** *(06 46 36)*		
06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	4.97	0.56
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	6.59	0.56
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	8.22	0.56
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	9.85	0.62
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	11.54	0.62
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	13.23	0.67
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	14.85	0.67
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	16.50	0.67
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	18.10	0.73
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	19.79	0.78
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	21.44	0.78
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	5.83	0.56
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	7.83	0.56
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	9.84	0.62
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	11.81	0.62
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	13.98	0.67
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	16.04	0.67
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	18.05	0.67
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	20.07	0.73
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	22.10	0.73
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	24.19	0.78
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	26.23	0.78
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	6.64	0.56
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	9.07	0.56
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	11.47	0.62
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	13.91	0.62
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	16.37	0.67
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	18.86	0.67
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	21.25	0.73
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	23.70	0.73
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	26.06	0.73
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	28.58	0.78
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	31.00	0.83
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	8.26	0.56
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	11.46	0.62
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	14.66	0.62
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	17.87	0.67
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	21.08	0.67
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	24.40	0.73
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	27.60	0.73
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	30.81	0.78
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	33.98	0.78
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	37.26	0.83
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	40.49	0.83
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	5.44	0.56
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	7.30	0.56
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	9.17	0.56
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	11.05	0.62
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	12.97	0.62
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	14.90	0.67
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	16.76	0.67
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	18.64	0.67
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	20.48	0.73
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	22.41	0.78
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	24.30	0.78
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	6.87	0.56
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	9.45	0.56
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	11.99	0.62
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	15.53	0.62
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	17.17	0.67
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	19.81	0.67
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	22.34	0.67
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	24.89	0.73
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	27.44	0.73
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	30.10	0.78
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	32.67	0.78
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	8.93	0.56
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	12.50	0.56
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	16.04	0.62
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	19.63	0.62
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	23.23	0.67
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	26.87	0.67
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	30.41	0.73
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	33.99	0.73
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	37.50	0.73
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	41.16	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	44.73	0.83
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	13.22	0.56
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	18.89	0.62
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	24.58	0.62
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	30.26	0.62
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	35.95	0.67
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	41.84	0.73
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	47.42	0.73
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	54.07	0.78
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	58.76	0.78
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	64.53	0.78
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	70.23	0.83
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	21.31	0.62
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	31.04	0.62
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	40.72	0.62
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	50.50	0.67
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	60.18	0.67
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	70.00	0.73
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	79.68	0.73
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	89.46	0.78
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	99.15	0.78
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	108.87	0.83
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	118.66	0.88

06 46 36 00-0549 White Oak *(06 46 36)*

06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	5.54	0.56
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	7.45	0.56
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	9.37	0.56
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	11.28	0.62
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	13.25	0.62
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	15.23	0.67
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	17.14	0.67
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	19.07	0.67
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	20.96	0.73
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	22.94	0.78
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	24.88	0.78
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	6.87	0.56
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	9.45	0.56
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	11.99	0.62
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	15.53	0.62
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	17.17	0.67
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	19.81	0.67
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	22.34	0.67
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	24.89	0.73
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	27.44	0.73
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	30.10	0.78
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	32.67	0.78
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	9.07	0.56
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	12.69	0.56
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	16.33	0.62
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	19.96	0.62
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	23.66	0.67
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	27.34	0.67
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	30.98	0.73
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	34.61	0.73
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	38.22	0.73
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	41.92	0.78
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	45.59	0.83
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	16.08	0.56
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	23.18	0.62
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	30.30	0.62
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	37.41	0.67
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	44.53	0.67
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	51.76	0.73
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	58.86	0.73
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	65.99	0.78
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	72.11	0.78
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	80.25	0.83
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	87.39	0.83

06 46 36 00-0594 White Pine *(06 46 36)*

06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	6.40	0.56
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	8.73	0.56
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	11.08	0.56
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	13.43	0.62
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	15.83	0.62
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	18.23	0.67
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	20.57	0.67
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	22.93	0.67
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	26.68	0.73
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	29.23	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	7.35	0.56
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	10.17	0.56
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	12.94	0.62
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	15.77	0.62
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	18.60	0.67
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	21.48	0.67
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	24.24	0.67
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	27.08	0.73
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	29.83	0.73
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	32.72	0.78
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	35.53	0.78
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	8.50	0.56
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	11.84	0.56
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	15.28	0.62
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	18.53	0.62
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	21.94	0.67
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	25.34	0.67
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	28.69	0.73
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	32.04	0.73
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	35.36	0.73
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	38.78	0.78
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	42.15	0.83
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	11.12	0.56
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	15.75	0.62
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	20.38	0.62
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	25.02	0.67
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	29.66	0.67
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	34.41	0.73
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	39.03	0.73
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	43.68	0.78
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	49.23	0.78
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	52.99	0.83
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	57.65	0.83
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	18.21	0.62
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	26.37	0.62
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	34.52	0.62
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	42.73	0.67
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	50.89	0.67
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	59.14	0.73
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	67.29	0.73
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	75.49	0.78
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	83.66	0.78
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	91.81	0.83
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	100.07	0.88
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	22.08	0.62
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	32.14	0.62
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	42.21	0.67
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	52.31	0.67
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	62.37	0.67
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	72.53	0.73
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	82.59	0.78
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	92.71	0.78
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	102.77	0.83
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	112.83	0.83
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	123.00	0.88
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	59.41	0.67
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	73.81	0.67
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	88.16	0.73
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	102.61	0.78
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	116.96	0.78
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	131.37	0.83
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	145.72	0.83
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	160.06	0.83
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	174.52	0.88

06 46 36 00-0669 Clear Yellow Pine *(06 46 36)*

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	3.73	0.56
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.73	0.56
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	5.74	0.56
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	6.76	0.62
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	7.82	0.62
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	8.89	0.67
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	9.90	0.67
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	10.92	0.67
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	4.49	0.56
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	5.88	0.56
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	7.22	0.62
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	8.62	0.62
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	10.02	0.67
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	11.47	0.67
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	13.28	0.67
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	14.73	0.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	5.40	0.56
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	7.17	0.62
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	8.94	0.62
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	10.72	0.67
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	12.51	0.67
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	14.39	0.73
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	16.16	0.73
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	17.94	0.78
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	21.11	0.78
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	21.72	0.83
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	4.01	0.56
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	5.16	0.56
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	6.31	0.56
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	7.47	0.62
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	8.68	0.62
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	9.89	0.67
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	11.04	0.67
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	12.21	0.67
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	13.33	0.73
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	14.55	0.78
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	15.82	0.78
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.87	0.56
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	6.40	0.56
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	7.94	0.62
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	9.48	0.62
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	11.12	0.67
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	12.71	0.67
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	14.24	0.67
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	15.78	0.73
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	17.34	0.73
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	18.95	0.78
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	20.51	0.78
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	5.64	0.56
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	7.55	0.56
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	9.47	0.62
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	11.38	0.62
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	13.36	0.67
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	15.33	0.67
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	17.25	0.73
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	19.17	0.73
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	21.06	0.73
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	23.05	0.78
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	25.00	0.83
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	7.50	0.56
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	10.31	0.62
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	13.14	0.62
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	15.96	0.67
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	18.80	0.67
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	21.73	0.73
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	24.55	0.73
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	27.38	0.78
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	30.16	0.78
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	33.07	0.83
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	35.91	0.83
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	10.35	0.62
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	14.60	0.62
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	18.79	0.62
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	23.10	0.67
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	27.29	0.67
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	31.64	0.73
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	35.83	0.73
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	40.13	0.78
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	44.33	0.78
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	48.58	0.83
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	52.88	0.88
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	13.21	0.62
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	18.84	0.62
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	24.48	0.67
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	30.15	0.67
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	35.78	0.67
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	41.51	0.73
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	47.13	0.78
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	52.82	0.78
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	58.44	0.83
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	64.07	0.83
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	69.81	0.88
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	34.25	0.67
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	42.36	0.67
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	50.41	0.73
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	58.67	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	66.63	0.78
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	74.74	0.83
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	82.80	0.83
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	90.86	0.83
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	99.03	0.88
06 46 36 00-0772		**Clear Heart Redwood** *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	5.35	0.56
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	7.16	0.56
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	8.98	0.56
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	10.81	0.62
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	12.68	0.62
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	14.56	0.67
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	18.28	0.67
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	20.36	0.67
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	20.43	0.73
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	21.89	0.78
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	6.78	0.56
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	9.26	0.56
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	11.75	0.62
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	14.24	0.62
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	16.84	0.67
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	19.38	0.67
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	25.20	0.67
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	28.13	0.73
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	31.02	0.73
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	34.01	0.78
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	9.41	0.56
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	13.17	0.62
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	16.95	0.62
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	20.73	0.67
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	24.52	0.67
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	28.50	0.73
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	39.03	0.73
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	43.68	0.78
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	52.09	0.78
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	57.19	0.83
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	55.60	0.67
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	69.05	0.67
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	82.44	0.73
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	95.94	0.78
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	109.33	0.78
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	122.79	0.83
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	136.18	0.83
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	149.58	0.83
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	163.08	0.88
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	18.12	0.56
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	26.32	0.56
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	34.53	0.56
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	42.74	0.62
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	51.00	0.62
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	59.27	0.67
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	67.47	0.67
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	75.69	0.67
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	83.87	0.73
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	92.14	0.78
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	100.37	0.78
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	44.10	0.56
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	50.92	0.62
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	67.28	0.62
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	83.64	0.67
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	100.01	0.67
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	116.01	0.73
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	132.83	0.73
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	149.20	0.78
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	165.52	0.78
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	181.96	0.83
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	198.34	0.83
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	9.06	0.56
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	12.74	0.56
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	16.42	0.56
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	20.10	0.62
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	23.83	0.62
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	27.58	0.67
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	31.25	0.67
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	34.94	0.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	38.59	0.73
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	42.34	0.78
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	46.04	0.78
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	11.16	0.56
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	15.88	0.56
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	20.57	0.62
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	25.30	0.62
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	30.04	0.67
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	34.82	0.67
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	39.50	0.67
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	44.24	0.73
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	48.89	0.73
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	53.69	0.78
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	58.40	0.78
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	14.07	0.56
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	20.22	0.56
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	26.34	0.62
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	32.50	0.62
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	38.67	0.67
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	44.88	0.67
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	51.00	0.73
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	57.16	0.73
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	63.24	0.73
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	69.47	0.78
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	75.61	0.83
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	19.70	0.56
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	28.62	0.62
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	37.54	0.62
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	46.47	0.67
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	55.40	0.67
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	64.44	0.73
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	73.35	0.73
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	82.29	0.78
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	92.12	0.78
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	100.18	0.83
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	109.12	0.83
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	34.42	0.62
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	50.68	0.62
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	66.93	0.62
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	83.25	0.67
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	99.50	0.67
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	115.86	0.73
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	132.11	0.73
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	148.42	0.78
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	164.68	0.78
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	180.94	0.83
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	197.30	0.88
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	43.53	0.62
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	64.31	0.62
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	85.10	0.67
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	105.93	0.67
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	126.72	0.67
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	147.60	0.73
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	168.38	0.78
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	189.23	0.78
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	210.01	0.83
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	230.79	0.83
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	251.69	0.88

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	265.41	29.45
		For Birch, Add	*72.30*	
		For Mahogany, Add	*175.58*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	279.70	30.86
		For Birch, Add	*76.39*	
		For Mahogany, Add	*185.52*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	294.00	32.07
		For Birch, Add	*80.48*	
		For Mahogany, Add	*195.44*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	321.92	34.31
		For Birch, Add	*88.64*	
		For Mahogany, Add	*215.27*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	350.18	36.77
		For Birch, Add	*96.82*	
		For Mahogany, Add	*235.14*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	438.53	29.56
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	444.29	30.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	450.05	32.17
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	460.53	34.26
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	472.12	36.88
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	324.89	29.56
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	340.91	30.86
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	356.98	32.17
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	387.98	34.26
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	420.03	36.88

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	134.93	14.02
		For Oak Or Maple, Add	*33.14*	
		For Birch, Add	*37.42*	
		For Mahogany, Add	*90.87*	
		For Walnut Frame, Add	*48.11*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	135.97	14.07
		For Oak Or Maple, Add	*33.42*	
		For Birch, Add	*37.73*	
		For Mahogany, Add	*91.64*	
		For Walnut Frame, Add	*48.51*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	137.33	14.33
		For Oak Or Maple, Add	*33.68*	
		For Birch, Add	*38.02*	
		For Mahogany, Add	*92.34*	
		For Walnut Frame, Add	*48.88*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	139.12	14.69
		For Oak Or Maple, Add	*34.01*	
		For Birch, Add	*38.40*	
		For Mahogany, Add	*93.25*	
		For Walnut Frame, Add	*49.37*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	142.20	15.07
		For Oak Or Maple, Add	*34.73*	
		For Birch, Add	*39.21*	
		For Mahogany, Add	*95.22*	
		For Walnut Frame, Add	*50.41*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	149.97	16.01
		For Oak Or Maple, Add	*36.56*	
		For Birch, Add	*41.28*	
		For Mahogany, Add	*100.25*	
		For Walnut Frame, Add	*53.07*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	158.55	17.31
		For Oak Or Maple, Add	*38.41*	
		For Birch, Add	*43.36*	
		For Mahogany, Add	*105.31*	
		For Walnut Frame, Add	*55.75*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	166.59	18.41
		For Oak Or Maple, Add	*40.24*	
		For Birch, Add	*45.43*	
		For Mahogany, Add	*110.34*	
		For Walnut Frame, Add	*58.41*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	4.47	1.26
		For Oak Or Maple, Add	*0.61*	
		For Birch, Add	*0.69*	
		For Mahogany, Add	*1.67*	
		For Walnut Frame, Add	*0.88*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	12.10	0.84
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	15.79	0.92
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	19.13	0.99
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	28.55	1.18
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	34.36	1.32
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	17.60	1.14
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	24.43	1.21
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	25.45	1.25
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	35.92	1.35
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	49.92	1.43
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	8.02	0.47
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	11.57	0.50
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	15.26	0.55
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	18.66	0.66
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	27.96	0.77
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	33.89	0.99
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	16.97	0.70
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	23.74	0.73
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	24.82	0.80
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	35.28	0.92
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	49.30	0.99
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0024		Columns, Recycled Plastic Lumber *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	18.13	1.50
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	25.73	2.12
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	27.08	2.38
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	37.85	2.71
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	52.64	3.33
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	7.10	0.47
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	8.13	0.55
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	11.72	0.58
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	15.37	0.62
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	6.96	0.42
		For Reinforced Structural Plastic Lumber, Add	*2.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	9.06	0.47
		For Reinforced Structural Plastic Lumber, Add	*3.10*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.05*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.18*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	12.19	0.47
		For Reinforced Structural Plastic Lumber, Add	*4.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.69*	
		For White Color, Add	*1.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.99*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-1.04*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.01	0.42
		For Reinforced Structural Plastic Lumber, Add	*2.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.66*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	7.79	0.47
		For Reinforced Structural Plastic Lumber, Add	*2.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.85*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.64*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	7.95	0.47
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	4.62	0.41
		For Reinforced Structural Plastic Lumber, Add	*1.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.51*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.05*	
		For >750, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	7.10	0.47
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	8.13	0.55
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	11.72	0.58
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	15.37	0.62
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	18.66	0.66
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	22.79	0.70
		For Reinforced Structural Plastic Lumber, Add	*8.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.31*	
		For White Color, Add	*2.73*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.67*	
		For >750, Deduct	*-1.96*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	11.97	0.65
		For Reinforced Structural Plastic Lumber, Add	*4.09*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.38*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.87*	
		For >750, Deduct	*-0.99*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	18.12	0.69
		For Reinforced Structural Plastic Lumber, Add	*6.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.03*	
		For White Color, Add	*2.14*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.46*	
		For >750, Deduct	*-1.54*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	23.96	0.73
		For Reinforced Structural Plastic Lumber, Add	*8.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.38*	
		For White Color, Add	*2.87*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.96*	
		For >750, Deduct	*-2.06*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	27.96	0.77
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	33.89	0.99
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	16.97	0.70
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	23.74	0.73
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	32.35	0.79
		For Reinforced Structural Plastic Lumber, Add	*11.55*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.87*	
		For White Color, Add	*3.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.12*	
		For >500, Deduct	*-3.12*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	24.82	0.80
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	35.28	0.92
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	49.30	0.99
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	70.27	1.09
		For Reinforced Structural Plastic Lumber, Add	*25.42*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.12*	
		For White Color, Add	*8.59*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.86*	
		For >500, Deduct	*-6.87*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	62.31	1.05
		For Reinforced Structural Plastic Lumber, Add	*22.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.65*	
		For White Color, Add	*7.60*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.81*	
		For >500, Deduct	*-6.08*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	108.02	1.09
		For Reinforced Structural Plastic Lumber, Add	*39.39*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.39*	
		For White Color, Add	*13.31*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.68*	
		For >500, Deduct	*-10.65*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	150.70	1.15
		For Reinforced Structural Plastic Lumber, Add	*55.16*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.94*	
		For White Color, Add	*18.63*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.76*	
		For >500, Deduct	*-14.91*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.11	0.36
		For Reinforced Structural Plastic Lumber, Add	*1.70*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.28*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.19*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	15.97	0.47
		For Reinforced Structural Plastic Lumber, Add	*5.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.92*	
		For White Color, Add	*1.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.98*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	17.55	0.55
		For Reinforced Structural Plastic Lumber, Add	*6.20*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.01*	
		For White Color, Add	*2.10*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.36*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	21.79	0.66
		For Reinforced Structural Plastic Lumber, Add	*7.71*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.25*	
		For White Color, Add	*2.61*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	49.73	0.77
		For Reinforced Structural Plastic Lumber, Add	*18.00*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.92*	
		For White Color, Add	*6.08*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.65*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	3.89	0.41
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	6.07	0.42
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	9.14	0.45
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	11.90	0.46

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	18.47	1.11
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	36.39	1.11
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	36.39	1.11
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	48.34	1.11
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	23.73	1.11
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	41.89	1.11
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	41.89	1.11
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	53.36	1.11
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	18.71	1.11
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	31.37	1.11
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	31.37	1.11
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	43.32	1.11
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	23.25	1.11
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	36.39	1.11
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	36.39	1.11
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	45.47	1.11

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	11.61	3.22
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	16.21	4.69
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	19.15	5.28
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	25.43	5.52
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	31.59	6.37
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	22.64	6.11
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	25.37	6.60
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	30.65	7.33
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	46.38	7.82
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	66.36	8.55

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	12.63	3.22
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	17.57	4.69
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	20.87	5.28
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	28.32	5.52
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	35.35	6.40
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	24.72	6.11
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	27.80	6.60
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	33.85	7.33
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	52.53	7.82
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	76.21	8.55

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	124.83	7.33
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	168.41	8.55
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	217.58	9.77
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	150.63	7.33
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	181.66	8.55
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	269.19	9.77
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	192.47	7.33
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	233.96	8.55
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	312.42	9.77
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	126.92	7.33
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	172.60	8.55
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	221.77	9.77
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	126.92	7.33
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	153.07	8.55
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	204.34	9.77

06 53 Plastic Decking *(06 50)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 53 16		**Plastic Stair Treads** *(06 53)*		
06 53 16 00-0001		Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*		
		Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	48.93	1.24
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	66.97	1.49
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	88.73	1.64
06 60		**Plastic Fabrications** *(06)*		
06 65		**Plastic Trim** *(06 60)*		
06 65 00 00-0001		Plastic Moldings *(06 65)*		
		Note: All dimensions are nominal.		
06 65 00 00-0002		Base, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	3.67	1.03
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	4.42	1.29
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	3.25	1.08
06 65 00 00-0006		Cornice, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	3.26	1.03
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	4.32	1.08
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	6.38	1.13
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	7.48	1.18
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	8.75	1.24
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	11.54	1.29
06 65 00 00-0013		Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	6.88	1.03
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	9.32	1.29
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	9.78	1.29
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	10.25	1.29
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	13.54	1.54
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	16.41	1.54
06 65 00 00-0020		Dentil, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	5.65	1.03
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	6.53	1.03
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	8.51	1.03
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	11.92	1.03
06 65 00 00-0025		Cove, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	1.97	0.56
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	2.20	0.56
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	2.99	0.67
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	2.99	0.67
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	4.02	0.67
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	5.34	0.78
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	7.51	0.78
06 65 00 00-0033		Chair Rail, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	3.47	0.78
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	4.69	1.03
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	6.03	1.03
06 65 00 00-0037		Door, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	2.66	0.93
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	2.69	0.93
06 65 00 00-0040		Trim, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	2.65	1.08
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	5.11	1.08
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	4.05	1.03
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	4.98	1.03
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	3.15	1.03
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	5.66	1.03
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	3.66	1.03
06 65 00 00-0048		Extruded Polyvinyl Chloride (PVC) Trimboard *(06 65)*		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.11	0.41
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.65	0.46

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	6.20	0.51
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	7.58	0.52
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	9.12	0.54
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.94	0.41
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	5.94	0.46
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.63	0.51
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.54	0.52
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	11.31	0.54
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	9.09	0.52
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	12.28	0.54
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	6.26	0.46
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	9.20	0.51

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings *(06 74 13)*

06 74 13 00-0002 Vi-Corr Resin System *(06 74 13 00-0001)*

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	35.84	0.89
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	34.76	0.89
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.93	0.89
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	49.43	1.14
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	37.70	0.89
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	36.58	0.89
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	48.62	0.89
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	51.96	1.14
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	34.23	0.72
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	56.23	0.79
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	77.52	0.86

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	32.81	0.89
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	30.61	0.89
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.93	0.89
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.77	1.14
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	34.34	0.89
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	31.48	0.89
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	43.09	1.14
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	45.28	1.14
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	30.00	0.72
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	42.95	0.79
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	59.45	0.86

06 74 13 00-0026 Corvex Polyester Resin *(06 74 13 00-0001)*

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	27.56	0.89
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	26.39	0.89
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	32.39	0.89
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	37.05	1.14
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	29.49	0.89
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	28.31	0.89
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	34.63	0.89
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	38.97	1.14
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	26.31	0.72
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	42.75	0.79
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	59.77	0.86

06 74 13 00-0038 XFR Extra Fire Retardant *(06 74 13 00-0001)*

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	41.43	0.89
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	40.17	0.89
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	55.68	0.89
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	59.15	1.14
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	43.32	0.89
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	42.09	0.89
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	57.92	0.89
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	61.87	1.14
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	39.43	0.72
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	64.55	0.79

06 74 13 00-0049 ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*

06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	42.54	0.89
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	41.19	0.89
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.14	0.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	57.70	1.14
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	44.29	0.89
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	43.18	0.89
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.30	0.89
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	59.88	1.14
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	44.25	0.72
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	80.85	0.79
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	29.70	1.14
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	26.14	0.89
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	33.83	1.14
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.14	0.89
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	22.75	1.14
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	19.93	0.89
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.34	1.14
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	23.59	0.89
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	33.79	1.14
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	30.33	0.89
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	38.22	1.14
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	35.74	0.89
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.48	1.14
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.73	0.89
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.60	1.14
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.91	1.14
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	39.07	1.14
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	36.73	1.14
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	31.56	0.89
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	28.02	0.89
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	35.74	0.89
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	41.32	0.89
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	23.77	0.89
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	21.04	0.89
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	27.58	0.89
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	25.15	0.89
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	34.84	0.89
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	31.34	0.89
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	40.11	0.89
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	37.32	0.89
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	31.12	0.89
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	28.51	0.89
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	30.17	1.14
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	27.64	1.14
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	41.27	1.14
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	40.01	1.14

06 80 Composite Fabrications *(06)*

06 81 Composite Railings *(06 80)*

06 81 13 Glass-Fiber-Reinforced Plastic Railings *(06 81)*

06 81 13 00-0001		Fiberglass Handrail Assemblies *(06 81 13)* Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.		
06 81 13 00-0002	LF	Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	47.37	9.91
06 81 13 00-0003	LF	Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	56.93	9.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 81 13 00-0004	LF	Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly	47.90	12.39

06 81 13 00-0005 Fiberglass Handrail Components *(06 81 13)*

Note: This section is only to be used when entire handrail assembly is not required.

06 81 13 00-0006	LF	Fiberglass Kick Plate (12' Sections) With Splice Kit	10.92	2.48
06 81 13 00-0007	LF	Fiberglass Kick Plate (24' sections) With Splice Kit	9.26	2.48
06 81 13 00-0008	EA	Fiberglass Side Mount Post For Handrail	120.33	14.87
06 81 13 00-0009	EA	Fiberglass Top Mount Post For Handrail With Stainless Steel Base	151.51	9.91
06 81 13 00-0010	LF	Fiberglass Square Tube (12' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	11.39	2.97
06 81 13 00-0011	LF	Fiberglass Square Tube (24' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	10.54	2.97
06 81 13 00-0012	LF	Fiberglass Square Tube (21' sections) For Horizontal Handrail, ISOFR 2-1/8" x 3/16"	11.81	2.97

06 82 Composite Trim *(06 80)*

06 82 00 00-0001 Fiberglass Castings *(06 82)*

06 82 00 00-0002 Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	5.11	1.49
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	5.50	1.49
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	11.58	1.78
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	13.16	1.78
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.26	1.78
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.41	1.78
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	15.95	1.78
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.40	1.78
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	48.19	2.23
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	56.11	2.23

06 82 00 00-0013 Fiberglass Channels *(06 82 00 00-0001)*

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	5.78	2.23
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	6.17	2.23
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	15.53	2.53
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	15.53	2.53
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	26.64	2.53
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	31.65	2.53
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	24.78	2.53
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	29.71	2.53
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.63	3.47
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	44.08	3.47

06 82 00 00-0024 Fiberglass Wide Flange Beams *(06 82 00 00-0001)*

06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	20.78	2.97
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	23.27	2.97
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	27.06	3.57
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	28.25	3.57
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	46.25	4.46
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	60.32	4.46
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	111.89	5.45
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	127.28	5.45

06 82 00 00-0033 Fiberglass Flat Sheet *(06 82 00 00-0001)*

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	16.99	2.53
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	17.97	2.53
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	28.77	2.97
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	33.99	2.97
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	39.97	3.57
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	47.81	3.57
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	54.60	4.46
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	66.61	4.46

06 82 00 00-0042 Fiberglass Bars *(06 82 00 00-0001)*

06 82 00 00-0043 Square Bars *(06 82 00 00-0042)*

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	9.58	1.78
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	14.83	2.62
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	17.64	3.47

06 82 00 00-0047 Round Bars *(06 82 00 00-0042)*

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	5.46	1.49
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	13.65	2.23
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	16.03	2.23
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.70	2.23
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	27.36	2.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0053		Fiberglass Tubes *(06 82 00 00-0001)*		
06 82 00 00-0054		Square Tube *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	6.54	1.49
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	7.31	1.49
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	10.51	1.78
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	11.87	1.78
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	22.41	2.23
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	25.55	2.23
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	26.25	2.68
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	34.99	2.68
06 82 00 00-0063		Round Tube *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	6.13	1.49
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	6.48	1.49
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	13.54	1.78
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	14.69	1.78
06 82 00 00-0068		Fiberglass Threaded Rods *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.09	1.14
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.89	1.14
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	12.50	1.29
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.04	1.29
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.79	1.29
06 82 00 00-0074		Grating Support Legs, VEFR Resin *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	15.58	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.68	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	25.11	
06 82 00 00-0078		Fiberglass Netting *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.39	0.18
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.39	0.18
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.39	0.18
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.39	0.18
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.39	0.18
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.38	0.18
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.38	0.18
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.38	0.18
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.38	0.18
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.38	0.18
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	99.05	7.78
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	119.94	7.78
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	140.83	7.78
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	161.71	7.78
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	111.58	7.78
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	135.60	7.78
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	159.62	7.78
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	183.64	7.78
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	130.80	7.78
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	159.62	7.78
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	188.45	7.78
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	217.27	7.78
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	110.99	7.78
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	134.86	7.78
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	158.74	7.78
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	182.61	7.78
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	125.31	7.78
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	152.76	7.78
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	180.22	7.78
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	207.67	7.78
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	147.27	7.78
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	180.22	7.78
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	213.16	7.78
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	246.11	7.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	15.54	1.78

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	2.81	0.89

END OF SECTION 06

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MINOR
CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	42.39	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	74.20	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	14.68	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	13.28	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	12.15	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	11.31	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	16.98	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	15.59	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	14.46	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	13.61	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	12.38	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	11.21	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	10.32	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	9.70	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	3.91	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching	330.30	
07 01 50 81-0017	EA	16 SF Granule Emergency Roof Patch Cover	62.59	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	2.25	0.93

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	19.87	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	27.72	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	2.31	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	2.89	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	3.30	

07 01 70 00-0005 Metal Roofing Repair *(07 01 70)*

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	16.98	
07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	15.59	
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	14.46	
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	13.61	

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping *(07 01 70)*

07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	4.62	
		For Up To 25 LF, Add	*2.31*	
		For >25 To 100 LF, Add	*1.16*	
		For >1,000 LF, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 05 Common Work Results for Thermal and Moisture Protection (07)

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work (07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work (07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	661.67	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	495.07	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	330.84	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	165.03	

07 10 Dampproofing and Waterproofing (07)

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)

07 11 13 Bituminous Dampproofing (07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	122.05	
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	166.09	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	227.74	
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	381.06	

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	90.06	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	170.20	

07 11 19 Sheet Dampproofing (07 11)

07 11 19 00-0001 Neoprene (07 11 19)

07 11 19 00-0002	SF	5 To 20 SF, 1/16" Patch Neoprene Roof	19.28	

07 13 Sheet Waterproofing (07 10)

07 13 13 Bituminous Sheet Waterproofing (07 13)

07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)

07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	228.15	54.78
		For 30 Lb. Felt, Add	*88.94*	
		For Application To Horizontal Surfaces, Deduct	*-16.43*	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	309.87	61.63
		For 30 Lb. Felt, Add	*139.96*	
		For Application To Horizontal Surfaces, Deduct	*-18.49*	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	391.59	68.48
		For 30 Lb. Felt, Add	*190.97*	
		For Application To Horizontal Surfaces, Deduct	*-20.54*	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	473.30	75.33
		For 30 Lb. Felt, Add	*241.99*	
		For Application To Horizontal Surfaces, Deduct	*-22.60*	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	555.02	82.17
		For 30 Lb. Felt, Add	*293.00*	
		For Application To Horizontal Surfaces, Deduct	*-24.65*	

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	139.29	53.01
		For Application To Horizontal Surfaces, Deduct	*-17.68*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	203.29	55.05
		For Application To Horizontal Surfaces, Deduct	*-18.35*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	280.60	57.37
		For Application To Horizontal Surfaces, Deduct	*-19.12*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	318.61	59.68
		For Application To Horizontal Surfaces, Deduct	*-19.90*	

07 13 53 Elastomeric Sheet Waterproofing (07 13)

07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	4.30	0.55
		For Floor Surfaces, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0003		**Ethylene Propylene Diene Monomer (EPDM)** *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	295.22	77.66
		For Application To Horizontal Surfaces, Deduct	*-23.29*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	359.80	77.66
		For Application To Horizontal Surfaces, Deduct	*-23.29*	
07 13 53 00-0006		**Butyl Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	82.39	19.41
		For Joint Taping, Add	*8.59*	
		For Each Additional Ply, Add	*59.62*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	102.41	19.41
		For Joint Taping, Add	*9.59*	
		For Each Additional Ply, Add	*73.63*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0009		**Butyl With Nylon** *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	93.83	19.41
		For Joint Taping, Add	*9.17*	
		For Each Additional Ply, Add	*67.63*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	106.71	19.41
		For Joint Taping, Add	*9.81*	
		For Each Additional Ply, Add	*76.64*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0012		**Neoprene Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	159.70	19.41
		For Joint Taping, Add	*12.46*	
		For Each Additional Ply, Add	*113.74*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	244.94	19.41
		For Joint Taping, Add	*16.72*	
		For Each Additional Ply, Add	*173.40*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0015		**Neoprene With Nylon** *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	168.60	19.41
		For Joint Taping, Add	*12.90*	
		For Each Additional Ply, Add	*119.97*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	259.15	19.41
		For Joint Taping, Add	*17.43*	
		For Each Additional Ply, Add	*183.35*	
		For Application To Horizontal Surfaces, Deduct	*-2.92*	
07 13 53 00-0018		**Plastic Vapor Barrier (Polyethylene)** *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	21.62	6.28
		For Joint Taping, Add	*4.28*	
		For Each Additional Ply, Add	*16.53*	
		For Application To Horizontal Surfaces, Deduct	*-2.09*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	22.73	6.28
		For Joint Taping, Add	*4.34*	
		For Each Additional Ply, Add	*17.30*	
		For Application To Horizontal Surfaces, Deduct	*-2.09*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	51.03	6.28
		For Joint Taping, Add	*5.75*	
		For Each Additional Ply, Add	*37.11*	
		For Application To Horizontal Surfaces, Deduct	*-2.09*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	191.07	6.28
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*135.30*	
		For Application To Horizontal Surfaces, Deduct	*-2.32*	
07 13 53 00-0023		**Polyvinyl Chloride (PVC) Vapor Barrier** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	51.04	6.96
		For Joint Taping, Add	*5.75*	
		For Each Additional Ply, Add	*37.12*	
		For Application To Horizontal Surfaces, Deduct	*-2.09*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	78.57	7.21
		For Joint Taping, Add	*7.25*	
		For Each Additional Ply, Add	*56.44*	
		For Application To Horizontal Surfaces, Deduct	*-2.17*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	116.20	7.48
		For Joint Taping, Add	*9.25*	
		For Each Additional Ply, Add	*82.83*	
		For Application To Horizontal Surfaces, Deduct	*-2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0027		Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	32.18	6.45

07 14 Fluid-Applied Waterproofing (07 10)

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)

07 14 13 00-0001		Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	1.77	
		For Application To Horizontal Surfaces, Deduct	*-0.11*	
		For Reinforcing Fabric, Add	*0.46*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.19	
		For Application To Horizontal Surfaces, Deduct	*-0.11*	
		For Reinforcing Fabric, Add	*0.46*	

07 14 16 Cold Fluid-Applied Waterproofing (07 14)

07 14 16 00-0001		Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	2.36	
		For Application To Horizontal Surfaces, Deduct	*-0.23*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	2.83	
		For Application To Horizontal Surfaces, Deduct	*-0.25*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	3.34	
		For Application To Horizontal Surfaces, Deduct	*-0.26*	
07 14 16 00-0005		One Part Solution Of Chlorosulfonated Polyethylene (CSPE) Polymer (07 14 16)		
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	1.92	
07 14 16 00-0007		Copolymer Compound (07 14 16)		
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	2.70	
07 14 16 00-0009		Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	358.50	
		For Application To Horizontal Surfaces, Deduct	*-28.29*	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	626.77	
		For Application To Horizontal Surfaces, Deduct	*-55.50*	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,068.25	
		For Application To Horizontal Surfaces, Deduct	*-83.21*	

07 16 Cementitious and Reactive Waterproofing (07 10)

07 16 13 Polymer Modified Cement Waterproofing (07 16)

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	2.94	

07 16 16 Crystalline Waterproofing (07 16)

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	4.19	

07 16 19 Metal Oxide Waterproofing (07 16)

07 16 19 00-0001		Metallic Oxide Waterproofing (07 16 19) Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self-leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	299.03	
		For Application To Horizontal Surfaces, Deduct	*-31.62*	

07 17 Bentonite Waterproofing (07 10)

07 17 13 Bentonite Panel Waterproofing (07 17)

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	269.83	63.25
		For Application To Horizontal Surfaces, Deduct	*-18.98*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	237.07	66.83
		For Application To Horizontal Surfaces, Deduct	*-20.54*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	348.62	69.69
		For Application To Horizontal Surfaces, Deduct	*-20.90*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	279.64	57.97
		For Application To Horizontal Surfaces, Deduct	*-17.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)*
Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.

07 18 13 00-0002	SQ	Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	142.30
07 18 13 00-0003	SQ	32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	481.55
07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	260.52
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	319.55
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.05

07 18 16 Vehicular Traffic Coatings *(07 18)*

07 18 16 00-0001 Preparation For Vehicular Traffic Coating *(07 18 16)*
See CSI section 03 01 30 71-0040 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	0.64
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	1.94

07 18 16 00-0004 Vehicular Traffic Coating (Sika) *(07 18 16)*
Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0040 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720) Note: Excludes crack repair or caulking.	2.93
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	1.71
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	1.87
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.04
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.18
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.30
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.55
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.81

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*
Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	1.34
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	1.59
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	1.74

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.64
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.99

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.30
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.92
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.44
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.66

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13		**Board Insulation** *(07 21)*		
		Note: Types are stock sizes, mastic applied.		
07 21 13 13		**Foam Board Insulation** *(07 21 13)*		
07 21 13 13-0001		Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*		
07 21 13 13-0002		Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*		
07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	3.92	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.64	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.81	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.11	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0007		Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*		
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.52	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.59	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.86	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.14	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.25	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.37	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.47	0.19
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	6.58	0.19
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.70	0.20
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0017		Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*		
		Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.79	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.57*	
		For 60 PSI Compressive Strength, Add	*0.88*	
		For 115 PSI Compressive Strength, Add	*3.86*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.18	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.71*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.86*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.49	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.83*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.66*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.54	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.06	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.67*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	5.58	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.07*	
		For 115 PSI Compressive Strength, Add	*13.55*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.34	0.19
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.51*	
		For 115 PSI Compressive Strength, Add	*15.50*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	3.81	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	5.63	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.79	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.20	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.40	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.46	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.74	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.02	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.24	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.45	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.73	0.19
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.05	0.19
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Gypsum, Add	*1.61*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.75*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.41	0.20
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0041		Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.67	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.50*	
		For 60 PSI Compressive Strength, Add	*0.78*	
		For 115 PSI Compressive Strength, Add	*3.43*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.05	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.65*	
		For 60 PSI Compressive Strength, Add	*1.00*	
		For 115 PSI Compressive Strength, Add	*4.40*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.36	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*5.20*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.43	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.22*	
		For 115 PSI Compressive Strength, Add	*5.36*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.04	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.15*	
		For 115 PSI Compressive Strength, Add	*9.47*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	5.67	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.09*	
		For 115 PSI Compressive Strength, Add	*13.63*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.60	0.19
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*16.02*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.24	0.22
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.45	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.64	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.58	0.17
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.57	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.99	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.14	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.28	0.18
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.06	0.22
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	3.37	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.67	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.47	0.17
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.55	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	6.97	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.23	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.37	0.18
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.63	0.20
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.01	0.21
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.37	0.22
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.05	0.25
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.72	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.06	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.45	0.20
		For Horizontal Surface Application, Deduct	*-0.03*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.83	0.21
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.20	0.22
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.33*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*1.99*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.97	0.25
		For Horizontal Surface Application, Deduct	*-0.04*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.64	0.27
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.08	0.32
		For Horizontal Surface Application, Deduct	*-0.05*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.08	0.25
		For >1,600, Deduct	*-0.14*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.19	0.25
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.23	0.25
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	1.77	0.25
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.41	0.25
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.07	0.32
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	2.34	0.32
		For >1,600, Deduct	*-0.36*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.00	0.25
		For >1,600, Deduct	*-0.13*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.13	0.25
		For >1,600, Deduct	*-0.15*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.54	0.25
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	1.68	0.25
		For >1,600, Deduct	*-0.26*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	1.74	0.25
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	1.92	0.32
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	2.24	0.32
		For >1,600, Deduct	*-0.34*	

07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.29	0.25
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.49	0.25
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.68	0.25
		For >1,600, Deduct	*-0.26*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.46	0.32
		For >1,600, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.71	0.32
		For >1,600, Deduct	*-0.44*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.11	0.25
		For >1,600, Deduct	*-0.15*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.23	0.25
		For >1,600, Deduct	*-0.17*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.84	0.25
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.43	0.25
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.03	0.32
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.24	0.32
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.25	0.25
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	1.77	0.25
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	2.95	0.25
		For >1,600, Deduct	*-0.50*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	3.53	0.25
		For >1,600, Deduct	*-0.60*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.14	0.25
		For >1,600, Deduct	*-0.15*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	1.58	0.25
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	2.60	0.25
		For >1,600, Deduct	*-0.43*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	3.11	0.25
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	1.86	0.25
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.12	0.25
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	2.42	0.25
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	3.31	0.25
		For >1,600, Deduct	*-0.58*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		**Polyurethane Foam Insulation, Sprayed On** *(07 21 19)*		
07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation	725.68	
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.05	
		For Up To 250 SF, Add	*0.33*	
		For >250 To 500 SF, Add	*0.17*	
		For >500 To 1,000 SF, Add	*0.07*	
		For >5,000 To 10,000 SF, Deduct	*-0.11*	
		For >10,000 SF, Deduct	*-0.26*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.48	
		For Up To 250 SF, Add	*0.45*	
		For >250 To 500 SF, Add	*0.22*	
		For >500 To 1,000 SF, Add	*0.10*	
		For >5,000 To 10,000 SF, Deduct	*-0.15*	
		For >10,000 SF, Deduct	*-0.35*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.90	
		For Up To 250 SF, Add	*0.56*	
		For >250 To 500 SF, Add	*0.28*	
		For >500 To 1,000 SF, Add	*0.12*	
		For >5,000 To 10,000 SF, Deduct	*-0.19*	
		For >10,000 SF, Deduct	*-0.43*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.33	
		For Up To 250 SF, Add	*0.67*	
		For >250 To 500 SF, Add	*0.34*	
		For >500 To 1,000 SF, Add	*0.15*	
		For >5,000 To 10,000 SF, Deduct	*-0.23*	
		For >10,000 SF, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.75	
		For Up To 250 SF, Add	*0.79*	
		For >250 To 500 SF, Add	*0.39*	
		For >500 To 1,000 SF, Add	*0.18*	
		For >5,000 To 10,000 SF, Deduct	*-0.27*	
		For >10,000 SF, Deduct	*-0.61*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.19	
		For Up To 250 SF, Add	*0.91*	
		For >250 To 500 SF, Add	*0.45*	
		For >500 To 1,000 SF, Add	*0.20*	
		For >5,000 To 10,000 SF, Deduct	*-0.31*	
		For >10,000 SF, Deduct	*-0.70*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.61	
		For Up To 250 SF, Add	*1.02*	
		For >250 To 500 SF, Add	*0.51*	
		For >500 To 1,000 SF, Add	*0.23*	
		For >5,000 To 10,000 SF, Deduct	*-0.35*	
		For >10,000 SF, Deduct	*-0.79*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.03	
		For Up To 250 SF, Add	*1.13*	
		For >250 To 500 SF, Add	*0.57*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.38*	
		For >10,000 SF, Deduct	*-0.88*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.46	
		For Up To 250 SF, Add	*1.25*	
		For >250 To 500 SF, Add	*0.62*	
		For >500 To 1,000 SF, Add	*0.28*	
		For >5,000 To 10,000 SF, Deduct	*-0.42*	
		For >10,000 SF, Deduct	*-0.97*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.89	
		For Up To 250 SF, Add	*1.37*	
		For >250 To 500 SF, Add	*0.68*	
		For >500 To 1,000 SF, Add	*0.31*	
		For >5,000 To 10,000 SF, Deduct	*-0.46*	
		For >10,000 SF, Deduct	*-1.06*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.30	
		For Up To 250 SF, Add	*1.47*	
		For >250 To 500 SF, Add	*0.74*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.50*	
		For >10,000 SF, Deduct	*-1.14*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.05	
		For Up To 250 SF, Add	*0.63*	
		For >250 To 500 SF, Add	*0.32*	
		For >500 To 1,000 SF, Add	*0.14*	
		For >5,000 To 10,000 SF, Deduct	*-0.21*	
		For >10,000 SF, Deduct	*-0.49*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.86	
		For Up To 250 SF, Add	*0.84*	
		For >250 To 500 SF, Add	*0.42*	
		For >500 To 1,000 SF, Add	*0.19*	
		For >5,000 To 10,000 SF, Deduct	*-0.28*	
		For >10,000 SF, Deduct	*-0.65*	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.61	
		For Up To 250 SF, Add	*1.02*	
		For >250 To 500 SF, Add	*0.51*	
		For >500 To 1,000 SF, Add	*0.23*	
		For >5,000 To 10,000 SF, Deduct	*-0.35*	
		For >10,000 SF, Deduct	*-0.79*	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.41	
		For Up To 250 SF, Add	*1.22*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.28*	
		For >5,000 To 10,000 SF, Deduct	*-0.42*	
		For >10,000 SF, Deduct	*-0.95*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.16	
		For Up To 250 SF, Add	*1.40*	
		For >250 To 500 SF, Add	*0.70*	
		For >500 To 1,000 SF, Add	*0.32*	
		For >5,000 To 10,000 SF, Deduct	*-0.48*	
		For >10,000 SF, Deduct	*-1.08*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.96	
		For Up To 250 SF, Add	*1.61*	
		For >250 To 500 SF, Add	*0.80*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.55*	
		For >10,000 SF, Deduct	*-1.24*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.72	
		For Up To 250 SF, Add	*1.79*	
		For >250 To 500 SF, Add	*0.90*	
		For >500 To 1,000 SF, Add	*0.41*	
		For >5,000 To 10,000 SF, Deduct	*-0.62*	
		For >10,000 SF, Deduct	*-1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.53	
		For Up To 250 SF, Add	*2.00*	
		For >250 To 500 SF, Add	*1.00*	
		For >500 To 1,000 SF, Add	*0.46*	
		For >5,000 To 10,000 SF, Deduct	*-0.69*	
		For >10,000 SF, Deduct	*-1.54*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.27	
		For Up To 250 SF, Add	*2.17*	
		For >250 To 500 SF, Add	*1.09*	
		For >500 To 1,000 SF, Add	*0.50*	
		For >5,000 To 10,000 SF, Deduct	*-0.75*	
		For >10,000 SF, Deduct	*-1.67*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.08	
		For Up To 250 SF, Add	*2.38*	
		For >250 To 500 SF, Add	*1.19*	
		For >500 To 1,000 SF, Add	*0.55*	
		For >5,000 To 10,000 SF, Deduct	*-0.82*	
		For >10,000 SF, Deduct	*-1.83*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.84	
		For Up To 250 SF, Add	*2.57*	
		For >250 To 500 SF, Add	*1.28*	
		For >500 To 1,000 SF, Add	*0.59*	
		For >5,000 To 10,000 SF, Deduct	*-0.89*	
		For >10,000 SF, Deduct	*-1.97*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	2.29	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	2.84	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	3.42	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	4.04	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	4.76	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	2.17	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	4.38	1.45
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	4.78	1.45

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	6.96	1.45
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	6.87	1.45

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.00	0.67
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.14	0.75
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	1.28	0.81
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.46	0.88
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	1.58	0.92
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	1.73	0.94
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	1.90	0.98
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	2.02	1.02
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	2.17	1.08
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.32	1.12
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	2.54	1.15
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	2.79	1.22
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	3.30	1.36

07 21 26 00-0016 New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	1.79	0.67
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.50	0.81
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.05	0.88
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	3.73	0.94

07 21 26 00-0021 Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

Note: Includes drilling. Excludes patching.

07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.68	0.67
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.38	0.81
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.94	0.88
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.62	0.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.07	0.67
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.36	0.75
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.53	0.81
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	1.84	0.88
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	1.90	0.88
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	2.27	0.94
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	2.36	0.94
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	2.61	1.02
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	2.84	1.02
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.07	1.08
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.29	1.08
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.64	0.67
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.26	0.81
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.73	0.88
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.31	0.94
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.52	0.67
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.15	0.81
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.62	0.88
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.20	0.94
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)* Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	1.71	0.37
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.22	0.37
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	2.71	0.37
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.92	
07 22		**Roof and Deck Insulation** *(07 20)*		
07 22 16		**Roof Board Insulation** *(07 22)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001		Rigid Board Roofing Insulation *(07 22 16)* Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.89	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.28	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.66	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.37	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.06	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.04	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.53	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.92	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.92	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.17	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.47	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.68	
07 22 16 00-0019		**Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	2.88	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.06	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	5.47	
07 22 16 00-0023		**Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	5.88	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.04	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	9.35	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	12.68	
07 22 16 00-0028		**Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.71	
		For Loose-Laid, Deduct	*-0.97*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.78	
		For Loose-Laid, Deduct	*-0.97*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.05	
		For Loose-Laid, Deduct	*-0.97*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.33	
		For Loose-Laid, Deduct	*-0.97*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.45	
		For Loose-Laid, Deduct	*-0.98*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.57	
		For Loose-Laid, Deduct	*-0.98*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.68	
		For Loose-Laid, Deduct	*-0.99*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.79	
		For Loose-Laid, Deduct	*-0.99*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.91	
		For Loose-Laid, Deduct	*-1.00*	
07 22 16 00-0038		**Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0002)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.72	
		For Loose-Laid, Deduct	*-0.99*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.83*	
		For 60 PSI Compressive Strength, Add	*1.30*	
		For 115 PSI Compressive Strength, Add	*5.68*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.77	
		For Loose-Laid, Deduct	*-0.99*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.33*	
		For 115 PSI Compressive Strength, Add	*5.81*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.75	
		For Loose-Laid, Deduct	*-0.99*	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.22*	
		For 60 PSI Compressive Strength, Add	*1.89*	
		For 100 PSI Compressive Strength, Add	*2.44*	
		For 115 PSI Compressive Strength, Add	*8.33*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.29	
		For Loose-Laid, Deduct	*-0.99*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.20*	
		For 115 PSI Compressive Strength, Add	*9.69*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.41	
		For Loose-Laid, Deduct	*-0.99*	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.85*	
		For 100 PSI Compressive Strength, Add	*3.68*	
		For 115 PSI Compressive Strength, Add	*12.57*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.82	
		For Loose-Laid, Deduct	*-1.00*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.08*	
		For 115 PSI Compressive Strength, Add	*13.57*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.59	
		For Loose-Laid, Deduct	*-1.01*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.52*	
		For 115 PSI Compressive Strength, Add	*15.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0046		**Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.37	
		For Loose-Laid, Deduct	*-0.99*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.48	
		For Loose-Laid, Deduct	*-0.99*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.65	
		For Loose-Laid, Deduct	*-0.99*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.11	
		For Loose-Laid, Deduct	*-0.99*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.58	
		For Loose-Laid, Deduct	*-1.00*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.05	
		For Loose-Laid, Deduct	*-1.00*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.55	
		For Loose-Laid, Deduct	*-1.00*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.00	
		For Loose-Laid, Deduct	*-1.01*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0055		**Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	2.77	
07 22 16 00-0057		**Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)** *(07 22 16 00-0002)*		
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.52	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.72	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.86	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.92	
07 22 16 00-0062		**Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)** *(07 22 16 00-0002)*		
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.46	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.76	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.82	
07 22 16 00-0066		**Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation** *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.64	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.92	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.29	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.53	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.09	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.31	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.61	
07 22 16 00-0074		**Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.69	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.78	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.17	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.66	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.18	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.08	

07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.55	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.93	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.33	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.03	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.74	

07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	1.71	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.19	

07 22 16 00-0092 Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	1.56	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	1.82	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.12	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	2.86	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	3.34	

07 22 16 00-0098 Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	2.53	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.72	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.12	

07 22 16 00-0102 Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	5.53	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.69	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	8.99	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.33	

07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*

07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.36	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.42	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.65	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.98	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.09	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.21	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.33	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.45	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.56	

07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*

Note: 15 PSI compressive strength.

07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.37	
		For 25 PSI Compressive Strength, Add		*0.29*
		For 40 PSI Compressive Strength, Add		*0.68*
		For 60 PSI Compressive Strength, Add		*1.07*
		For 115 PSI Compressive Strength, Add		*4.66*
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.42	
		For 25 PSI Compressive Strength, Add		*0.29*
		For 40 PSI Compressive Strength, Add		*0.70*
		For 60 PSI Compressive Strength, Add		*1.10*
		For 115 PSI Compressive Strength, Add		*4.79*
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.40	
		For 25 PSI Compressive Strength, Add		*0.45*
		For 40 PSI Compressive Strength, Add		*1.07*
		For 60 PSI Compressive Strength, Add		*1.66*
		For 100 PSI Compressive Strength, Add		*2.14*
		For 115 PSI Compressive Strength, Add		*7.31*
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.01	
		For 25 PSI Compressive Strength, Add		*0.54*
		For 40 PSI Compressive Strength, Add		*1.27*
		For 60 PSI Compressive Strength, Add		*1.98*
		For 115 PSI Compressive Strength, Add		*8.68*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	10.41	
		For 25 PSI Compressive Strength, Add	*0.72*	
		For 40 PSI Compressive Strength, Add	*1.70*	
		For 60 PSI Compressive Strength, Add	*2.89*	
		For 100 PSI Compressive Strength, Add	*3.65*	
		For 115 PSI Compressive Strength, Add	*12.08*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	5.47	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.85*	
		For 115 PSI Compressive Strength, Add	*12.55*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.25	
		For 25 PSI Compressive Strength, Add	*0.90*	
		For 40 PSI Compressive Strength, Add	*2.14*	
		For 60 PSI Compressive Strength, Add	*3.29*	
		For 115 PSI Compressive Strength, Add	*14.51*	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.02	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.13	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.30	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.77	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.24	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.70	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.15	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.66	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0134		Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.18	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.38	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.51	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.58	
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.11	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.41	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.48	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	1.71	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.10	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.49	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.16*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.29	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.98	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0150		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	1.86	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.16*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.35	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.51*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.16*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0153		Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	1.74	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	1.99	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.29	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.14	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	3.61	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	2.70	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.98	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	5.50	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	5.81	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.96	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.38	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	12.88	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.32*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.54	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.60	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	1.88	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.15	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.38	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.59	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.88	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.20	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	8.84	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.03*	
07 22 16 00-0178		Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*		
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	2.54	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.19*	
		For 115 PSI Compressive Strength, Add	*5.22*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	2.60	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.37*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.68	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.20*	
		For 60 PSI Compressive Strength, Add	*1.85*	
		For 100 PSI Compressive Strength, Add	*2.39*	
		For 115 PSI Compressive Strength, Add	*8.15*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.21	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.16*	
		For 115 PSI Compressive Strength, Add	*9.49*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.44	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.86*	
		For 60 PSI Compressive Strength, Add	*2.87*	
		For 100 PSI Compressive Strength, Add	*3.70*	
		For 115 PSI Compressive Strength, Add	*12.65*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.85	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.10*	
		For 115 PSI Compressive Strength, Add	*13.65*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.79	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.64*	
		For 115 PSI Compressive Strength, Add	*16.04*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.20	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.30	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.46*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.58	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.04	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.61	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.08	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.49*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.75	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.32*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.20	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	2.60	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.35	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.55	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.68	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.75	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.28	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.58	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.65	
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.49*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	4.56	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	4.84	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.86*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.79*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.32	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.80*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.56	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.81*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.29	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.51	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.02	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.77*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	4.72	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.80*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.22	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.80*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.98	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.40*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.37	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.07	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.59	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.59*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.74	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.15*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.54	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.69	
		For 25 PSI Compressive Strength, Add	*0.43*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.35	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.02	
		For 25 PSI Compressive Strength, Add	*0.56*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.69	
		For 25 PSI Compressive Strength, Add	*0.63*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.87	
		For 25 PSI Compressive Strength, Add	*0.68*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.54	
		For 25 PSI Compressive Strength, Add	*0.75*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.20	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.87	
		For 25 PSI Compressive Strength, Add	*0.88*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.03	
		For 25 PSI Compressive Strength, Add	*0.93*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.20	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.02	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.35	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.20	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.54	
		For 25 PSI Compressive Strength, Add	*0.85*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.36	
		For 25 PSI Compressive Strength, Add	*0.97*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	6.69	
		For 25 PSI Compressive Strength, Add	*0.53*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.87	
		For 25 PSI Compressive Strength, Add	*0.78*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.03	
		For 25 PSI Compressive Strength, Add	*1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.20	
		For 25 PSI Compressive Strength, Add	*1.29*	

07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.79
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.98
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.48
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.98
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.48
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.69
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.20
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.70
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.20
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.40

07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.54
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.23
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.23
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.94
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.95
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.65

07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.73
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.45
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.15
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.36

07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*

07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.39
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.54
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.18
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.81
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.45
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.63
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.27
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.90
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.70	
07 22 16 00-0284		**Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)** *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.07	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.86	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.13	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.95	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.22	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.02	
07 22 16 00-0291		**Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)** *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.50	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.59	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.65	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.73	
07 22 16 00-0296		**Cold Adhesive Applied, Tapered Perlite Board** *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		**Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board** *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.94	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.36	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.77	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.25	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.66	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.09	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.50	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.98	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.39	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.83	
07 22 16 00-0308		**Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board** *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.23	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.07	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.95	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.80	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.69	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.53	
07 22 16 00-0315		**Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board** *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.47	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.20	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.93	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.65	
07 22 16 00-0320		**Hot-Mopped Rigid Board Tapered Roofing Insulation** *(07 22 16 00-0222)*		
07 22 16 00-0321		**Hot-Mopped, Tapered Polyisocyanurate Board** *(07 22 16 00-0320)*		
07 22 16 00-0322		**Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.13	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.08	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.75	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.27	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.08	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.96	
		For 25 PSI Compressive Strength, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.63	
		For 25 PSI Compressive Strength, Add	*0.64*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.30	
		For 25 PSI Compressive Strength, Add	*0.70*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.97	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.83	
		For 25 PSI Compressive Strength, Add	*0.79*	
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	3.87	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.42	
		For 25 PSI Compressive Strength, Add	*0.38*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.75	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.30	
		For 25 PSI Compressive Strength, Add	*0.60*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.63	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.17	
		For 25 PSI Compressive Strength, Add	*0.82*	
07 22 16 00-0340		Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.08	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.96	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.83	
		For 25 PSI Compressive Strength, Add	*0.89*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.74	
		For 25 PSI Compressive Strength, Add	*1.11*	
07 22 16 00-0345		Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*		
07 22 16 00-0346		Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	5.92	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.76	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.17	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.96	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.37	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.19	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.60	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.39	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	12.80	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.63	
07 22 16 00-0357		Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	5.22	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	7.46	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	8.67	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.89	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	12.10	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.33	
07 22 16 00-0364		Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	8.87	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	12.30	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	42.52	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	19.19	
07 22 16 00-0369		Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)* Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0370		Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.46	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.03	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.70	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.54	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.20	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.91	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.58	
		For 25 PSI Compressive Strength, Add	*0.65*	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.49	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.16	
		For 25 PSI Compressive Strength, Add	*0.81*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.03	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.13	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.36	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.87	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.24	
		For 25 PSI Compressive Strength, Add	*0.62*	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.82	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.37	
		For 25 PSI Compressive Strength, Add	*0.87*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.03	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.48	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.03	
		For 25 PSI Compressive Strength, Add	*0.93*	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.41	
		For 25 PSI Compressive Strength, Add	*1.21*	
		For Mechanically Fastened To Concrete, Add	*0.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.51*	
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*		
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.71	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.32	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	

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CSI	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0398		SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.82	
			For Mechanically Fastened To Concrete, Add	*0.78*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0399		SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.49	
			For Mechanically Fastened To Concrete, Add	*0.80*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0400		SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.99	
			For Mechanically Fastened To Concrete, Add	*0.80*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.24*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0401		SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.74	
			For Mechanically Fastened To Concrete, Add	*0.83*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0402		SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.24	
			For Mechanically Fastened To Concrete, Add	*0.83*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0403		SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.98	
			For Mechanically Fastened To Concrete, Add	*0.85*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0404		SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.48	
			For Mechanically Fastened To Concrete, Add	*0.85*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0405		SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.40	
			For Mechanically Fastened To Concrete, Add	*0.85*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	3.46	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.57	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.74	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.99	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.23	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.65	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.07	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.49	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.15	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.57	
		For Mechanically Fastened To Concrete, Add	*0.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.51*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.31	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.89	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.94	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.33	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.96	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.68	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.31	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.19	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.82	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.71	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.99	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.20	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.65	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.99	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.50	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.02	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.84	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.63	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.66	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.66	
		For Mechanically Fastened To Concrete, Add	*0.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.51*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.18	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.71	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.11	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.08	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.49	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.24*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.27*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.14	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.54	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.58	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	12.99	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.83	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	5.47	
		For Mechanically Fastened To Concrete, Add	*0.76*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.81*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.21*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	7.41	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*2.95*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	8.79	
		For Mechanically Fastened To Concrete, Add	*0.80*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.15*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.12*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.14*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.84	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	12.29	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.61*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.85*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.53	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	8.82	
		For Mechanically Fastened To Concrete, Add	*0.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.92*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.03*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.38*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.04*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	12.24	
		For Mechanically Fastened To Concrete, Add	*0.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.97*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.02*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.47*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	15.94	
		For Mechanically Fastened To Concrete, Add	*0.85*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.01*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.96*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	19.86	
		For Mechanically Fastened To Concrete, Add	*0.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.00*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.37*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.51*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.30	
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.31	
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.32	
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.32	
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.33	
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.34	
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.35	
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.35	
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.36	
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.37	
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.38	
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.39	
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.40	

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.37
		For Up To 100, Add	*0.41*
		For >100 To 500, Add	*0.20*
		For >5,000, Deduct	*-0.08*
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.93
		For Up To 100, Add	*0.41*
		For >100 To 500, Add	*0.21*
		For >5,000, Deduct	*-0.08*
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.49
		For Up To 100, Add	*0.42*
		For >100 To 500, Add	*0.21*
		For >5,000, Deduct	*-0.08*
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.05
		For Up To 100, Add	*0.42*
		For >100 To 500, Add	*0.21*
		For >5,000, Deduct	*-0.08*
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.61
		For Up To 100, Add	*0.43*
		For >100 To 500, Add	*0.21*
		For >5,000, Deduct	*-0.09*
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.73
		For Up To 100, Add	*0.43*
		For >100 To 500, Add	*0.22*
		For >5,000, Deduct	*-0.09*

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	3.75
		For Up To 100, Add	*0.82*
		For >100 To 500, Add	*0.41*
		For >5,000, Deduct	*-0.16*
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	4.38
		For Up To 100, Add	*0.82*
		For >100 To 500, Add	*0.41*
		For >5,000, Deduct	*-0.16*
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	6.06
		For Up To 100, Add	*0.82*
		For >100 To 500, Add	*0.41*
		For >5,000, Deduct	*-0.16*
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	6.57
		For Up To 100, Add	*0.82*
		For >100 To 500, Add	*0.41*
		For >5,000, Deduct	*-0.16*

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	1.80
		For Up To 100, Add	*0.41*
		For >100 To 500, Add	*0.20*
		For >5,000, Deduct	*-0.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	2.26	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	4.77	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	6.75	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
07 24 13 00-0019		**Finish Coats For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
		Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.75	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.85	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.58	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	4.23	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	3.58	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	4.24	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	2.95	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	3.63	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	9.44	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.86	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	0.89	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.41	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.88	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.40	
		For Up To 100, Add	*0.25*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.05*	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	3.80	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.15	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.56	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.41	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.15	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.56	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.96	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.90	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	3.40	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.85*	
		For >5,000, Deduct	*-0.34*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	19.31
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	16.91
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	24.58
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	35.82
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	14.45
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	46.68
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	89.16
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	139.37
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	206.60
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	52.76

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	9.76	1.54
		For Up To 50, Add	*2.68*	
		For >50 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.64*	
		For >2,500, Deduct	*-0.49*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	10.49	1.54
		For Up To 50, Add	*2.90*	
		For >50 To 200, Add	*1.71*	
		For >200 To 500, Add	*0.69*	
		For >2,500, Deduct	*-0.52*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	2.85	1.03
		For Up To 50, Add	*1.18*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500, Deduct	*-0.14*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	5.39	1.54
		For Up To 50, Add	*2.14*	
		For >50 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.44*	
		For >2,500, Deduct	*-0.27*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	4.11	1.03
		For Up To 50, Add	*1.36*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	8.40	1.03
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.51*	
		For >2,500, Deduct	*-0.42*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	1.56	
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.65	
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.68	
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.71	

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	196.50	97.18
		For >35 To 75, Deduct	*-10.81*	
		For >75 To 100, Deduct	*-15.18*	
		For >100 To 200, Deduct	*-21.72*	
		For >200, Deduct	*-30.46*	
		For Steep Roof, Over 7 To 12, Add	*28.28*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	205.99	102.06
		For >35 To 75, Deduct	*-11.32*	
		For >75 To 100, Deduct	*-15.90*	
		For >100 To 200, Deduct	*-22.75*	
		For >200, Deduct	*-31.92*	
		For Steep Roof, Over 7 To 12, Add	*29.69*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	246.60	107.15
		For >35 To 75, Deduct	*-14.92*	
		For >75 To 100, Deduct	*-20.34*	
		For >100 To 200, Deduct	*-28.74*	
		For >200, Deduct	*-39.58*	
		For Steep Roof, Over 7 To 12, Add	*31.18*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	242.97	124.06
		For >35 To 75, Deduct	*-13.02*	
		For >75 To 100, Deduct	*-18.44*	
		For >100 To 200, Deduct	*-26.47*	
		For >200, Deduct	*-37.32*	
		For Steep Roof, Over 7 To 12, Add	*36.09*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	267.10	118.12
		For >35 To 75, Deduct	*-15.97*	
		For >75 To 100, Deduct	*-21.85*	
		For >100 To 200, Deduct	*-30.92*	
		For >200, Deduct	*-42.68*	
		For Steep Roof, Over 7 To 12, Add	*34.37*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	287.62	130.26
		For >35 To 75, Deduct	*-16.92*	
		For >75 To 100, Deduct	*-23.26*	
		For >100 To 200, Deduct	*-32.99*	
		For >200, Deduct	*-45.68*	
		For Steep Roof, Over 7 To 12, Add	*37.90*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	287.75	112.51
		For >35 To 75, Deduct	*-18.55*	
		For >75 To 100, Deduct	*-24.81*	
		For >100 To 200, Deduct	*-34.79*	
		For >200, Deduct	*-47.32*	
		For Steep Roof, Over 7 To 12, Add	*32.73*	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	315.49	136.78
		For >35 To 75, Deduct	*-19.12*	
		For >75 To 100, Deduct	*-26.05*	
		For >100 To 200, Deduct	*-36.80*	
		For >200, Deduct	*-50.67*	
		For Steep Roof, Over 7 To 12, Add	*39.79*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	343.51	136.78
		For >35 To 75, Deduct	*-21.92*	
		For >75 To 100, Deduct	*-29.41*	
		For >100 To 200, Deduct	*-41.29*	
		For >200, Deduct	*-56.27*	
		For Steep Roof, Over 7 To 12, Add	*39.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	374.03	150.78
		For >35 To 75, Deduct	*-23.69*	
		For >75 To 100, Deduct	*-31.86*	
		For >100 To 200, Deduct	*-44.76*	
		For >200, Deduct	*-61.10*	
		For Steep Roof, Over 7 To 12, Add	*43.88*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	375.44	143.63
		For >35 To 75, Deduct	*-24.49*	
		For >75 To 100, Deduct	*-32.65*	
		For >100 To 200, Deduct	*-45.71*	
		For >200, Deduct	*-62.04*	
		For Steep Roof, Over 7 To 12, Add	*41.77*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	377.96	136.78
		For >35 To 75, Deduct	*-25.36*	
		For >75 To 100, Deduct	*-33.54*	
		For >100 To 200, Deduct	*-46.80*	
		For >200, Deduct	*-63.16*	
		For Steep Roof, Over 7 To 12, Add	*39.79*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	449.46	150.78
		For >35 To 75, Deduct	*-31.24*	
		For >75 To 100, Deduct	*-40.91*	
		For >100 To 200, Deduct	*-56.83*	
		For >200, Deduct	*-76.18*	
		For Steep Roof, Over 7 To 12, Add	*43.88*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	469.11	150.78
		For >35 To 75, Deduct	*-33.20*	
		For >75 To 100, Deduct	*-43.27*	
		For >100 To 200, Deduct	*-59.98*	
		For >200, Deduct	*-80.11*	
		For Steep Roof, Over 7 To 12, Add	*43.88*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	522.13	166.26
		For >35 To 75, Deduct	*-37.10*	
		For >75 To 100, Deduct	*-48.30*	
		For >100 To 200, Deduct	*-66.91*	
		For >200, Deduct	*-89.31*	
		For Steep Roof, Over 7 To 12, Add	*48.37*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	518.30	158.31
		For >35 To 75, Deduct	*-37.44*	
		For >75 To 100, Deduct	*-48.52*	
		For >100 To 200, Deduct	*-67.09*	
		For >200, Deduct	*-89.27*	
		For Steep Roof, Over 7 To 12, Add	*46.06*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	7.74	0.58
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	2.57	1.44
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	3.24	1.61
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	45.06	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	469.49	91.78
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	660.59	100.30
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	8.88	1.32
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	9.35	1.32
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	5.40	1.32
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	6.33	1.32

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	412.92	82.58
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.91*	
		For >75 To 100, Deduct	*-21.47*	
		For >100 To 200, Deduct	*-35.51*	
		For >200, Deduct	*-47.07*	
		For Steep Roof, Over 7 To 12, Add	*52.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	391.10	81.92
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.09*	
		For >75 To 100, Deduct	*-20.01*	
		For >100 To 200, Deduct	*-33.19*	
		For >200, Deduct	*-44.11*	
		For Steep Roof, Over 7 To 12, Add	*52.41*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	774.10	82.58
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-24.36*	
		For >75 To 100, Deduct	*-46.75*	
		For >100 To 200, Deduct	*-75.24*	
		For >200, Deduct	*-97.64*	
		For Steep Roof, Over 7 To 12, Add	*52.86*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	697.62	81.92
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-21.35*	
		For >75 To 100, Deduct	*-41.46*	
		For >100 To 200, Deduct	*-66.91*	
		For >200, Deduct	*-87.02*	
		For Steep Roof, Over 7 To 12, Add	*52.41*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	7.39	1.10
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.21*	
		For >75 To 100, Deduct	*-0.42*	
		For >100 To 200, Deduct	*-0.68*	
		For >200, Deduct	*-0.89*	
		For Steep Roof, Over 7 To 12, Add	*0.69*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	821.68	141.04
		For >50 To 75, Deduct	*-20.33*	
		For >75 To 100, Deduct	*-43.42*	
		For >100 To 200, Deduct	*-71.58*	
		For >200, Deduct	*-94.66*	
		For Graduated Shapes, Add	*76.24*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	956.93	141.04
		For >50 To 75, Deduct	*-25.74*	
		For >75 To 100, Deduct	*-52.88*	
		For >100 To 200, Deduct	*-86.46*	
		For >200, Deduct	*-113.60*	
		For Graduated Shapes, Add	*96.53*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	916.36	141.04
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-50.04*	
		For >100 To 200, Deduct	*-82.00*	
		For >200, Deduct	*-107.92*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	929.88	141.04
		For >50 To 75, Deduct	*-24.66*	
		For >75 To 100, Deduct	*-50.99*	
		For >100 To 200, Deduct	*-83.48*	
		For >200, Deduct	*-109.81*	
		For Graduated Shapes, Add	*92.47*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	983.99	141.04
		For >50 To 75, Deduct	*-26.82*	
		For >75 To 100, Deduct	*-54.78*	
		For >100 To 200, Deduct	*-89.44*	
		For >200, Deduct	*-117.39*	
		For Graduated Shapes, Add	*100.59*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	916.36	141.04
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-50.04*	
		For >100 To 200, Deduct	*-82.00*	
		For >200, Deduct	*-107.92*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	875.78	141.04
		For >50 To 75, Deduct	*-22.50*	
		For >75 To 100, Deduct	*-47.20*	
		For >100 To 200, Deduct	*-77.53*	
		For >200, Deduct	*-102.24*	
		For Graduated Shapes, Add	*84.36*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	1,720.94	141.04
		For >50 To 75, Deduct	*-56.30*	
		For >75 To 100, Deduct	*-106.36*	
		For >100 To 200, Deduct	*-170.50*	
		For >200, Deduct	*-220.56*	
		For Graduated Shapes, Add	*211.13*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	916.36	141.04
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-50.04*	
		For >100 To 200, Deduct	*-82.00*	
		For >200, Deduct	*-107.92*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*100.28*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	712.73	103.07
		For Steep Roof, Over 7 To 12, Add	*65.96*	
		For Pressure-Impregnated Treated (Preservative), Add	*75.99*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	509.23	77.29
		For Steep Roof, Over 7 To 12, Add	*49.47*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.19*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	643.79	87.60
		For Steep Roof, Over 7 To 12, Add	*56.06*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.29*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	526.19	72.15
		For Steep Roof, Over 7 To 12, Add	*46.17*	
		For Pressure-Impregnated Treated (Preservative), Add	*57.29*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	774.92	68.28
		For Steep Roof, Over 7 To 12, Add	*43.70*	
		For Pressure-Impregnated Treated (Preservative), Add	*95.75*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	585.15	57.97
		For Steep Roof, Over 7 To 12, Add	*37.10*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.38*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	438.81	92.76
		For Pressure-Impregnated Treated (Preservative), Add	*38.00*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	438.58	87.60
		For Pressure-Impregnated Treated (Preservative), Add	*39.51*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	487.16	76.01
		For Pressure-Impregnated Treated (Preservative), Add	*50.27*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	625.61	108.22
		For Steep Roof, Over 7 To 12, Add	*69.26*	
		For Pressure-Impregnated Treated (Preservative), Add	*61.38*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	553.86	97.91
		For Steep Roof, Over 7 To 12, Add	*62.66*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.71*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	609.71	97.91
		For Steep Roof, Over 7 To 12, Add	*62.66*	
		For Pressure-Impregnated Treated (Preservative), Add	*62.08*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	543.38	87.60
		For Steep Roof, Over 7 To 12, Add	*56.06*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.23*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	581.93	68.28
		For Steep Roof, Over 7 To 12, Add	*43.70*	
		For Pressure-Impregnated Treated (Preservative), Add	*66.81*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	465.42	59.27
		For Steep Roof, Over 7 To 12, Add	*37.93*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.04*	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	400.41	97.91
		For Pressure-Impregnated Treated (Preservative), Add	*30.69*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	392.45	92.76
		For Pressure-Impregnated Treated (Preservative), Add	*31.04*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	398.72	82.45
		For Pressure-Impregnated Treated (Preservative), Add	*35.07*	

07 31 29 16 Wood Shakes *(07 31 29)*

07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	494.83	83.74
		For Steep Roof, Over 7 To 12, Add	*53.59*	
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	603.94	83.74
		For Steep Roof, Over 7 To 12, Add	*53.59*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	586.66	68.28
		For Steep Roof, Over 7 To 12, Add	*43.70*	
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	633.04	68.28
		For Steep Roof, Over 7 To 12, Add	*43.70*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	507.71	90.18
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	616.82	90.18
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	604.70	77.29
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	651.08	77.29
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Accessories *(07 31 29 19)*		
07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	10.20	0.67
		For Steep Roof, Over 7 To 12, Add	*0.50*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.30*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles *(07 31 33)* Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,139.69	122.98
		For Purple Or Green Color, Add	*143.00*	
		For Brown Or Red Color, Add	*366.44*	
		For Steep Roof, Over 7 To 12, Add	*78.70*	
		For >50 To 75, Deduct	*-22.34*	
		For >75 To 100, Deduct	*-50.84*	
		For >100 To 200, Deduct	*-79.33*	
		For >200, Deduct	*-113.97*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	1,735.52	122.98
		For Purple, Green, Brown Or Red, Add	*223.44*	
		For Steep Roof, Over 7 To 12, Add	*78.70*	
		For >50 To 75, Deduct	*-37.24*	
		For >75 To 100, Deduct	*-80.63*	
		For >100 To 200, Deduct	*-124.02*	
		For >200, Deduct	*-173.55*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,385.03	122.98
		For Purple, Green, Brown Or Red, Add	*410.07*	
		For Steep Roof, Over 7 To 12, Add	*78.70*	
		For >50 To 75, Deduct	*-28.48*	
		For >75 To 100, Deduct	*-63.10*	
		For >100 To 200, Deduct	*-97.73*	
		For >200, Deduct	*-138.50*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	1,858.19	122.98
		For Purple, Green, Brown Or Red, Add	*177.35*	
		For Steep Roof, Over 7 To 12, Add	*78.70*	
		For >50 To 75, Deduct	*-40.31*	
		For >75 To 100, Deduct	*-86.76*	
		For >100 To 200, Deduct	*-133.22*	
		For >200, Deduct	*-185.82*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	15.15	0.83
07 32		**Roof Tiles** *(07 30)*		
07 32 13		**Clay Roof Tiles** *(07 32)* Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0001		Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)* Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,062.26	133.75
		For >25 To 50, Deduct	*-47.68*	
		For >50 To 75, Deduct	*-86.16*	
		For >75 To 100, Deduct	*-116.69*	
		For >100 To 200, Deduct	*-139.27*	
		For >200, Deduct	*-153.91*	
		For 20 Year Warranty, Add	*55.63*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,315.53	133.75
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-111.49*	
		For >75 To 100, Deduct	*-149.62*	
		For >100 To 200, Deduct	*-177.26*	
		For >200, Deduct	*-194.43*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,315.53	133.75
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-111.49*	
		For >75 To 100, Deduct	*-149.62*	
		For >100 To 200, Deduct	*-177.26*	
		For >200, Deduct	*-194.43*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,530.43	133.75
		For >25 To 50, Deduct	*-75.77*	
		For >50 To 75, Deduct	*-132.98*	
		For >75 To 100, Deduct	*-177.55*	
		For >100 To 200, Deduct	*-209.50*	
		For >200, Deduct	*-228.82*	
		For 20 Year Warranty, Add	*88.40*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,257.96	163.53
		For >25 To 50, Deduct	*-55.85*	
		For >50 To 75, Deduct	*-101.27*	
		For >75 To 100, Deduct	*-137.37*	
		For >100 To 200, Deduct	*-164.16*	
		For >200, Deduct	*-181.65*	
		For 20 Year Warranty, Add	*65.16*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,636.01	163.53
		For >25 To 50, Deduct	*-78.54*	
		For >50 To 75, Deduct	*-139.07*	
		For >75 To 100, Deduct	*-186.52*	
		For >100 To 200, Deduct	*-220.87*	
		For >200, Deduct	*-242.14*	
		For 20 Year Warranty, Add	*91.63*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,064.73	220.63
		For >25 To 50, Deduct	*-97.42*	
		For >50 To 75, Deduct	*-173.39*	
		For >75 To 100, Deduct	*-233.13*	
		For >100 To 200, Deduct	*-276.63*	
		For >200, Deduct	*-303.89*	
		For 20 Year Warranty, Add	*113.65*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,068.82	163.53
		For >25 To 50, Deduct	*-44.51*	
		For >50 To 75, Deduct	*-82.35*	
		For >75 To 100, Deduct	*-112.78*	
		For >100 To 200, Deduct	*-135.79*	
		For >200, Deduct	*-151.39*	
		For 20 Year Warranty, Add	*51.92*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,375.06	163.53
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-112.98*	
		For >75 To 100, Deduct	*-152.59*	
		For >100 To 200, Deduct	*-181.73*	
		For >200, Deduct	*-200.39*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	947.54	122.44
		For >25 To 50, Deduct	*-42.16*	
		For >50 To 75, Deduct	*-76.39*	
		For >75 To 100, Deduct	*-103.59*	
		For >100 To 200, Deduct	*-123.76*	
		For >200, Deduct	*-136.91*	
		For 20 Year Warranty, Add	*49.18*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,277.56	122.44
		For >25 To 50, Deduct	*-61.96*	
		For >50 To 75, Deduct	*-109.39*	
		For >75 To 100, Deduct	*-146.49*	
		For >100 To 200, Deduct	*-173.27*	
		For >200, Deduct	*-189.71*	
		For 20 Year Warranty, Add	*72.28*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,561.54	122.44
		For >25 To 50, Deduct	*-79.00*	
		For >50 To 75, Deduct	*-137.79*	
		For >75 To 100, Deduct	*-183.41*	
		For >100 To 200, Deduct	*-215.86*	
		For >200, Deduct	*-235.15*	
		For 20 Year Warranty, Add	*92.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,815.62	191.95
		For >25 To 50, Deduct	*-85.90*	
		For >50 To 75, Deduct	*-152.77*	
		For >75 To 100, Deduct	*-205.32*	
		For >100 To 200, Deduct	*-243.55*	
		For >200, Deduct	*-267.47*	
		For 20 Year Warranty, Add	*100.22*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	732.23	133.75
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 75, Deduct	*-53.16*	
		For >75 To 100, Deduct	*-73.79*	
		For >100 To 200, Deduct	*-89.77*	
		For >200, Deduct	*-101.10*	
		For 20 Year Warranty, Add	*32.53*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	952.18	191.95
		For >25 To 50, Deduct	*-34.10*	
		For >50 To 75, Deduct	*-66.43*	
		For >75 To 100, Deduct	*-93.07*	
		For >100 To 200, Deduct	*-114.04*	
		For >200, Deduct	*-129.32*	
		For 20 Year Warranty, Add	*39.78*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	656.27	202.75
		For >50 To 75, Deduct	*-10.03*	
		For >75 To 100, Deduct	*-27.69*	
		For >100 To 200, Deduct	*-47.86*	
		For >200, Deduct	*-65.52*	
		For Steep Roof, Over 7 To 12, Add	*129.78*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	896.06	202.75
		For >50 To 75, Deduct	*-19.62*	
		For >75 To 100, Deduct	*-44.47*	
		For >100 To 200, Deduct	*-74.23*	
		For >200, Deduct	*-99.09*	
		For Steep Roof, Over 7 To 12, Add	*129.78*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	704.22	202.75
		For >50 To 75, Deduct	*-11.95*	
		For >75 To 100, Deduct	*-31.05*	
		For >100 To 200, Deduct	*-53.13*	
		For >200, Deduct	*-72.23*	
		For Steep Roof, Over 7 To 12, Add	*129.78*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	673.52	181.40
		For >50 To 75, Deduct	*-12.43*	
		For >75 To 100, Deduct	*-30.82*	
		For >100 To 200, Deduct	*-52.32*	
		For >200, Deduct	*-70.71*	
		For Steep Roof, Over 7 To 12, Add	*116.12*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	4.05	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	2.66	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.02	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	4.61	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	4.80	

07 32 33 Polymer Roofing Tiles *(07 32)*

07 32 33 00-0001 DaVinci Polymer Roofing Tiles *(07 32 33)*

Note: Texas. Includes 30 Lb. felt underlayment, typical ice and water shield requirements, and edge and valley metal requirements.

07 32 33 00-0002 DaVinci Bellaforte Shakes *(07 32 33 00-0001)*

07 32 33 00-0003	SQ	12" Exposure, Hand Split Jumbo Cedar Random Width Look, 1" Thick (Average), VariBlend Polymer Roofing Tile (DaVinci Bellaforte Shake)	1,084.41	123.22
07 32 33 00-0004	LF	4" x 12" Starter (DaVinci Bellaforte Shake)	13.92	0.83
07 32 33 00-0005	LF	One Piece Rake System (DaVinci Bellaforte Shake)	13.04	0.83
07 32 33 00-0006	LF	One Piece Hip/Ridge (DaVinci Bellaforte Shake)	18.04	0.83
07 32 33 00-0007	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Shake)	12.47	0.83

07 32 33 00-0008 DaVinci Multi-Width Shakes *(07 32 33 00-0001)*

07 32 33 00-0009	SQ	10" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake)	1,719.44	123.22
07 32 33 00-0010	SQ	9" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake)	1,941.78	123.22
07 32 33 00-0011	LF	12" x 12" Starter (DaVinci Multi-Width Shake)	15.34	0.83
07 32 33 00-0012	LF	12" Width, One Piece Hip/Ridge (DaVinci Multi-Width Shake)	24.29	0.83
07 32 33 00-0013	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Shake)	19.29	0.83
07 32 33 00-0014	LF	12" Width Valley (DaVinci Multi-Width Shake)	39.46	0.83
07 32 33 00-0015	EA	12" Solid Accessory Shake (DaVinci Multi-Width Shake)	59.97	0.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 33 00-0016		**DaVinci Bellaforte Slates** *(07 32 33 00-0001)*		
07 32 33 00-0017	SQ	12" Exposure, 12" Wide, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Bellaforte Slate)	1,216.22	123.22
07 32 33 00-0018	LF	3-1/2" x 12" Starter (DaVinci Bellaforte Slate)	13.99	0.83
07 32 33 00-0019	LF	One Piece Rake System (DaVinci Bellaforte Slate)	13.11	0.83
07 32 33 00-0020	LF	One Piece Hip/Ridge (DaVinci Bellaforte Slate)	17.83	0.83
07 32 33 00-0021	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Slate)	12.53	0.83
07 32 33 00-0022		**DaVinci Single-Width Slates** *(07 32 33 00-0001)*		
07 32 33 00-0023	SQ	8" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	1,558.43	123.22
07 32 33 00-0024	SQ	7-1/2" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	1,678.05	123.22
07 32 33 00-0025	SQ	7" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	1,797.67	123.22
07 32 33 00-0026	SQ	6" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	2,080.11	123.22
07 32 33 00-0027	LF	12" x 12" Starter (DaVinci Single-Width Slate)	15.50	0.83
07 32 33 00-0028	LF	6" Width Hip/Ridge (DaVinci Single-Width Slate)	26.17	0.83
07 32 33 00-0029	LF	4" Turret Accessory Slate (DaVinci Single-Width Slate)	21.99	0.83
07 32 33 00-0030	EA	12" Solid Accessory Slate (DaVinci Single-Width Slate)	34.79	0.83
07 32 33 00-0031		**DaVinci Multi-Width Slates** *(07 32 33 00-0001)*		
07 32 33 00-0032	SQ	8" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	1,771.11	123.22
07 32 33 00-0033	SQ	7-1/2" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	1,884.03	123.22
07 32 33 00-0034	SQ	7" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	2,020.31	123.22
07 32 33 00-0035	SQ	6" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	2,352.60	123.22
07 32 33 00-0036	LF	12" x 12" Starter (DaVinci Multi-Width Slate)	15.50	0.83
07 32 33 00-0037	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate)	26.17	0.83
07 32 33 00-0038	LF	7" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate)	27.81	0.83
07 32 33 00-0039	LF	4" Turret Accessory Slate (DaVinci Multi-Width Slate)	21.99	0.83
07 32 33 00-0040	EA	12" Solid Accessory Slate (DaVinci Multi-Width Slate)	34.79	0.83

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001		**Mechanically Fastened, Roofing Underlayment** *(07 34)* Note: Standard slope.		
07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	33.90	3.96
		For Steep Roof, Over 7 To 12, Add	*2.54*	
		For >50 To 75, Deduct	*-1.04*	
		For >75 To 100, Deduct	*-2.02*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-4.43*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	54.32	5.45
		For Steep Roof, Over 7 To 12, Add	*3.49*	
		For >50 To 75, Deduct	*-1.74*	
		For >75 To 100, Deduct	*-3.31*	
		For >100 To 200, Deduct	*-5.32*	
		For >200, Deduct	*-7.17*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	62.49	5.45
		For Steep Roof, Over 7 To 12, Add	*3.49*	
		For >50 To 75, Deduct	*-2.06*	
		For >75 To 100, Deduct	*-3.88*	
		For >100 To 200, Deduct	*-6.22*	
		For >200, Deduct	*-8.31*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	62.88	8.25
		For Steep Roof, Over 7 To 12, Add	*5.29*	
		For >50 To 75, Deduct	*-1.85*	
		For >75 To 100, Deduct	*-3.66*	
		For >100 To 200, Deduct	*-5.93*	
		For >200, Deduct	*-8.14*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	72.56	8.25
		For Steep Roof, Over 7 To 12, Add	*5.29*	
		For >50 To 75, Deduct	*-2.24*	
		For >75 To 100, Deduct	*-4.34*	
		For >100 To 200, Deduct	*-6.99*	
		For >200, Deduct	*-9.50*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	88.52	8.25
		For Steep Roof, Over 7 To 12, Add	*5.29*	
		For >50 To 75, Deduct	*-2.88*	
		For >75 To 100, Deduct	*-5.45*	
		For >100 To 200, Deduct	*-8.75*	
		For >200, Deduct	*-11.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	80.54	8.25
		For Steep Roof, Over 7 To 12, Add	*5.29*	
		For >50 To 75, Deduct	*-2.56*	
		For >75 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-7.87*	
		For >200, Deduct	*-10.61*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	152.43	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-9.77*	
		For >100 To 200, Deduct	*-15.57*	
		For >200, Deduct	*-20.54*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	244.92	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-9.00*	
		For >75 To 100, Deduct	*-16.24*	
		For >100 To 200, Deduct	*-25.74*	
		For >200, Deduct	*-33.49*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	163.87	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-5.75*	
		For >75 To 100, Deduct	*-10.57*	
		For >100 To 200, Deduct	*-16.82*	
		For >200, Deduct	*-22.14*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	152.43	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-9.77*	
		For >100 To 200, Deduct	*-15.57*	
		For >200, Deduct	*-20.54*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	231.58	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-8.46*	
		For >75 To 100, Deduct	*-15.31*	
		For >100 To 200, Deduct	*-24.27*	
		For >200, Deduct	*-31.62*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	189.79	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-6.79*	
		For >75 To 100, Deduct	*-12.38*	
		For >100 To 200, Deduct	*-19.68*	
		For >200, Deduct	*-25.77*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	297.48	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-11.10*	
		For >75 To 100, Deduct	*-19.92*	
		For >100 To 200, Deduct	*-31.52*	
		For >200, Deduct	*-40.85*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	344.65	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-12.99*	
		For >75 To 100, Deduct	*-23.22*	
		For >100 To 200, Deduct	*-36.71*	
		For >200, Deduct	*-47.45*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	521.63	10.02
		For Steep Roof, Over 7 To 12, Add	*6.41*	
		For >50 To 75, Deduct	*-20.06*	
		For >75 To 100, Deduct	*-35.61*	
		For >100 To 200, Deduct	*-56.18*	
		For >200, Deduct	*-72.23*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0003		**Galvanized Steel Exposed Fastener Metal Roof Panels** *(07 41 13 00-0002)*		
07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.90	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.27	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	4.83	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	4.39	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	4.03	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	3.72	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	3.59	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0011		**Galvanized Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0002)*		
		See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	22.17	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	13.59	0.99
		For Steep Roof, Over 7 To 12, Add	*1.30*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	28.49	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.24*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	22.75	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.67*	
07 41 13 00-0016		**Aluminum Exposed Fastener Metal Roofing** *(07 41 13 00-0001)*		
07 41 13 00-0017		**Aluminum Exposed Fastener Metal Roof Panels** *(07 41 13 00-0016)*		
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.06	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.99	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	11.21	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	14.17	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	17.14	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	20.84	1.45
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*0.74*	
07 41 13 00-0024		**Aluminum Exposed Fastener Metal Roof Accessories** *(07 41 13 00-0016)*		
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	26.05	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.00*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	15.82	1.04
		For Steep Roof, Over 7 To 12, Add	*1.30*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.18*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	33.94	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.78*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	26.77	1.51
		For Steep Roof, Over 7 To 12, Add	*1.95*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.07*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0029		**Standing Seam Roofs** *(07 41 13)* Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031		**Galvanized Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.40	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.45*	
		For Panels <16" Wide, Add	*1.09*	
		For Up To 1,500, Add	*2.60*	
		For >1,500 To 5,000, Add	*1.56*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.08	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.47*	
		For Panels <16" Wide, Add	*1.12*	
		For Up To 1,500, Add	*2.77*	
		For >1,500 To 5,000, Add	*1.66*	
		For >5,000 To 10,000, Add	*0.28*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.79	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.44*	
		For Panels <16" Wide, Add	*1.06*	
		For Up To 1,500, Add	*2.45*	
		For >1,500 To 5,000, Add	*1.47*	
		For >5,000 To 10,000, Add	*0.24*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.03	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.45*	
		For Panels <16" Wide, Add	*1.07*	
		For Up To 1,500, Add	*2.51*	
		For >1,500 To 5,000, Add	*1.50*	
		For >5,000 To 10,000, Add	*0.25*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.30	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.45*	
		For Panels <16" Wide, Add	*1.08*	
		For Up To 1,500, Add	*2.58*	
		For >1,500 To 5,000, Add	*1.55*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.30	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.47*	
		For Panels <16" Wide, Add	*1.13*	
		For Up To 1,500, Add	*2.83*	
		For >1,500 To 5,000, Add	*1.70*	
		For >5,000 To 10,000, Add	*0.28*	
07 41 13 00-0038		**Accessories For Galvanized Steel Standing Seam Roofing** *(07 41 13 00-0030)*		
07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	23.78	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*0.96*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	14.54	1.04
		For Steep Roof, Over 6 To 12, Add	*1.22*	
		For 140 MPH Wind Load, Add	*0.62*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.73	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*1.10*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	24.41	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*0.98*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)* Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	10.88	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.46*	
		For Panels <16" Wide, Add	*1.11*	
		For Up To 1,500, Add	*2.72*	
		For >1,500 To 5,000, Add	*1.63*	
		For >5,000 To 10,000, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	11.46	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.47*	
		For Panels <16" Wide, Add	*1.14*	
		For Up To 1,500, Add	*2.87*	
		For >1,500 To 5,000, Add	*1.72*	
		For >5,000 To 10,000, Add	*0.29*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	10.54	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.46*	
		For Panels <16" Wide, Add	*1.09*	
		For Up To 1,500, Add	*2.64*	
		For >1,500 To 5,000, Add	*1.58*	
		For >5,000 To 10,000, Add	*0.26*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	11.62	1.54
		For Steep Roof, Over 6 To 12, Add	*0.92*	
		For 140 MPH Wind Load, Add	*0.48*	
		For Panels <16" Wide, Add	*1.15*	
		For Up To 1,500, Add	*2.91*	
		For >1,500 To 5,000, Add	*1.74*	
		For >5,000 To 10,000, Add	*0.29*	
07 41 13 00-0049		**Accessories For Aluminum Standing Seam Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	28.04	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*1.05*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	17.00	1.04
		For Steep Roof, Over 6 To 12, Add	*1.22*	
		For 140 MPH Wind Load, Add	*0.66*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	36.72	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*1.22*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	28.83	1.51
		For Steep Roof, Over 6 To 12, Add	*1.83*	
		For 140 MPH Wind Load, Add	*1.06*	
07 41 13 00-0054		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
07 41 13 00-0055		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	21.48	1.85
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Panels <16" Wide, Add	*1.93*	
		For Up To 1,500, Add	*5.37*	
		For >1,500 To 5,000, Add	*3.22*	
		For >5,000 To 10,000, Add	*0.54*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	25.06	1.85
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For 140 MPH Wind Load, Add	*0.87*	
		For Panels <16" Wide, Add	*2.11*	
		For Up To 1,500, Add	*6.27*	
		For >1,500 To 5,000, Add	*3.76*	
		For >5,000 To 10,000, Add	*0.63*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	29.31	1.85
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For 140 MPH Wind Load, Add	*0.96*	
		For Panels <16" Wide, Add	*2.32*	
		For Up To 1,500, Add	*7.33*	
		For >1,500 To 5,000, Add	*4.40*	
		For >5,000 To 10,000, Add	*0.73*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.76	1.85
		For Steep Roof, Over 6 To 12, Add	*1.39*	
		For 140 MPH Wind Load, Add	*1.06*	
		For Panels <16" Wide, Add	*2.59*	
		For Up To 1,500, Add	*8.69*	
		For >1,500 To 5,000, Add	*5.21*	
		For >5,000 To 10,000, Add	*0.87*	
07 41 13 00-0060		**Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	72.56	1.68
		For Steep Roof, Over 6 To 12, Add	*2.02*	
		For 140 MPH Wind Load, Add	*1.99*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	38.41	1.10
		For Steep Roof, Over 6 To 12, Add	*1.34*	
		For 140 MPH Wind Load, Add	*1.13*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	102.64	1.68
		For Steep Roof, Over 6 To 12, Add	*2.00*	
		For 140 MPH Wind Load, Add	*2.59*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	74.94	1.68
		For Steep Roof, Over 6 To 12, Add	*2.02*	
		For 140 MPH Wind Load, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.53	
		For Steep Roof, Over 7 To 12, Add	*0.08*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	0.79	
		For Steep Roof, Over 7 To 12, Add	*0.08*	
07 41 16		**Insulated Metal Roof Panels** *(07 41)*		
07 41 16 00-0001		Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16)*		
07 41 16 00-0002		Standing Seam Polyurethane Insulated Metal Roof Panel *(07 41 16 00-0001)* Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	23.21	2.24
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	25.65	2.42
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	27.12	2.63
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	28.36	2.78
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	29.66	2.93
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	30.68	3.07
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	4.20	1.11
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	4.11	1.00
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	4.42	1.11
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	4.30	1.00
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	2.36	0.84
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	4.04	0.84
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	4.53	0.84
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	3.22	0.84
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	5.80	0.89
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	7.11	0.89
07 42		**Wall Panels** *(07 40)*		
07 42 13		**Metal Wall Panels** *(07 42)*		
07 42 13 19		**Insulated Metal Wall Panels** *(07 42 13)*		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement *(07 42 13 19)* Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	34.42	2.06
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	36.94	2.32
		For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	39.38	2.57
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	41.89	2.68
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	48.28	2.94
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	57.36	3.25
		For Non-Insulated Panels, Deduct	*-12.73*	
07 42 13 23		**Metal Composite Material Wall Panels** *(07 42 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0001		24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)* Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	19.27	1.34
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	21.32	1.51
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.02	1.72
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	25.03	2.27
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 63		**Fabricated Wall Panel Assemblies** *(07 42)*		
07 42 63 00-0001		Insulated Freezer And Chiller Panels *(07 42 63)* Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002		Polyurethane Sandwich Panel *(07 42 63 00-0001)* Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	25.56	1.18
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.21	1.18
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	32.80	1.18
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.63	1.25
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.94	1.25
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.01	0.98
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.23	0.98
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	30.80	1.04
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	29.74	1.04
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	35.33	1.04
07 42 63 00-0013		Polyurethane Sandwich Panel *(07 42 63 00-0001)* Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	24.21	1.18
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	26.20	1.18
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	31.23	1.18
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	34.29	1.25
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	36.37	1.25
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	21.89	0.98
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.88	0.98
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.91	1.04
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	30.94	1.04
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	33.99	1.04
07 42 93		**Soffit Panels** *(07 42)*		
07 42 93 00-0001		Aluminum Soffit And Fascia *(07 42 93)* Note: Excludes J-channel.		
07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.06	0.73
		For 0.015" Thick, Deduct	*-0.10*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.19	0.76
		For 0.015" Thick, Deduct	*-0.19*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.76	0.78
		For 0.015" Thick, Deduct	*-0.23*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.44	0.82
		For 0.015" Thick, Deduct	*-0.33*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.19	0.91
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.56	1.00
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.95	1.09
		For 0.015" Thick, Deduct	*-0.93*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.37	1.21
		For 0.015" Thick, Deduct	*-1.15*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	4.04	0.71
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	4.56	0.73
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	5.69	0.75
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	6.89	0.76
07 46		**Siding** *(07 40)*		
07 46 16		**Aluminum Siding** *(07 46)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*
Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	9.21	2.06
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	9.44	2.06
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	9.82	2.06

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

07 46 16 00-0006 Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	8.26	1.16
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	8.80	1.16
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.47	1.16
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.76	1.16

07 46 16 00-0011 V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.62	1.16
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	15.82	1.16
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	21.03	1.16

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.59	1.16
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	16.71	1.16
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	18.01	1.16

07 46 16 00-0019 Aluminum Siding Accessories *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	2.19	0.68
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	2.19	0.68
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	2.92	0.68
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	2.85	0.68
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	2.85	0.68

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels *(07 46 19)*

07 46 19 00-0002 Corrugated Steel Siding Panels *(07 46 19 00-0001)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	10.51	1.16
		For Galvanized Instead Of Painted Steel, Add	*2.05*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	9.46	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.79*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	9.19	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.72*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	6.09	1.16
		For Galvanized Instead Of Painted Steel, Add	*0.94*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.87	1.16
		For Galvanized Instead Of Painted Steel, Add	*0.89*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.72	1.16
		For Galvanized Instead Of Painted Steel, Add	*0.85*	

07 46 19 00-0009 Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.72	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.85*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.25	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.73*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	8.93	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.65*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	8.40	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.52*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	7.28	1.16
		For Galvanized Instead Of Painted Steel, Add	*1.24*	

07 46 19 00-0015 Clapboard Steel Siding Panels *(07 46 19 00-0001)*
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	8.55	0.58

07 46 23 Wood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	2.82	0.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	3.54	0.78
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	4.29	0.83
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.22	0.73
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.89	0.73
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	5.35	0.73
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	5.92	0.73
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	5.11	0.73
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	2.65	0.78
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	2.65	0.78

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	2.87	0.73
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.47	0.73
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	3.01	0.73
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	3.83	0.73

07 46 29 Plywood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	1.85	0.36
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.50	0.89
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.40	0.83
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.31	0.80
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.24	0.76
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.14	0.71
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	

07 46 33 00-0009 Vertical Vinyl Siding Panels *(07 46 33 00-0002)*

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	4.82	0.89
		For Manufacturer's Custom Colors, Add	*0.15*	

07 46 33 00-0011 Vinyl Siding Accessories *(07 46 33 00-0001)*

07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	5.71	0.68
		For Manufacturer's Custom Colors, Add	*0.22*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	12.39	0.68
		For Manufacturer's Custom Colors, Add	*0.55*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	4.04	0.68
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	5.44	0.68
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	2.59	0.68
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	2.27	0.68
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	2.21	0.68
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	2.42	0.68
		For Manufacturer's Custom Colors, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	3.07	0.68
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	3.55	0.68
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	3.71	0.68
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	2.70	0.68
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	7.02	0.94
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	7.49	0.94
		For Manufacturer's Custom Colors, Add	*0.28*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.53	0.94
		For Manufacturer's Custom Colors, Add	*0.33*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	3.77	0.68
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	5.24	0.68
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	4.18	0.68
		For Manufacturer's Custom Colors, Add	*0.14*	

07 46 33 00-0030 Vinyl Soffit And Fascia *(07 46 33 00-0001)*

Note: Excludes J-channel.

07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	3.03	0.73
		For 0.038" Thick, Deduct	*-0.72*	
		For 0.040" Thick, Deduct	*-0.59*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.15	0.76
		For 0.038" Thick, Deduct	*-1.19*	
		For 0.040" Thick, Deduct	*-1.01*	
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.72	0.78
		For 0.038" Thick, Deduct	*-1.43*	
		For 0.040" Thick, Deduct	*-1.21*	
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.37	0.82
		For 0.038" Thick, Deduct	*-2.15*	
		For 0.040" Thick, Deduct	*-1.80*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.10	0.91
		For 0.038" Thick, Deduct	*-2.89*	
		For 0.040" Thick, Deduct	*-2.41*	
		For Manufacturer's Custom Colors, Add	*0.31*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.43	1.00
		For 0.038" Thick, Deduct	*-4.32*	
		For 0.040" Thick, Deduct	*-3.62*	
		For Manufacturer's Custom Colors, Add	*0.47*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	14.78	1.09
		For 0.038" Thick, Deduct	*-5.77*	
		For 0.040" Thick, Deduct	*-4.85*	
		For Manufacturer's Custom Colors, Add	*0.63*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.15	1.21
		For 0.038" Thick, Deduct	*-7.23*	
		For 0.040" Thick, Deduct	*-6.06*	
		For Manufacturer's Custom Colors, Add	*0.79*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	3.32	0.71
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	3.90	0.73
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	3.77	0.75
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	4.61	0.76
		For Manufacturer's Custom Colors, Add	*0.15*	

07 46 33 00-0043 Fiberglass Siding *(07 46 33)*

07 46 33 00-0044 Corrugated Panels *(07 46 33 00-0043)*

07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	5.35	1.04
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	5.89	0.94
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	6.89	0.94

07 46 33 00-0048 Flat Panels *(07 46 33 00-0043)*

07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	4.99	0.94
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	5.89	0.94

07 46 46 Fiber-Cement Siding *(07 46)*

Note: Smooth or patterns. Includes sealer and primer.

07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*

07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	4.17	1.09
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.96	1.04
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.89	1.02
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.80	0.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.65	0.94
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	3.50	0.89
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	0.92	0.26
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	7.97	0.97
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	3.12	0.78
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.00	0.52
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	2.75	0.57
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.45	0.62
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.74	0.73
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.16	0.52
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	2.99	0.57
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.85	0.62
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	3.86	0.73
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	2.36	0.52
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	3.34	0.57
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	4.37	0.62
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	6.06	0.73
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	3.67	1.03
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	4.85	1.14
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	5.65	1.14
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	7.81	1.35
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	5.75	0.75
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	6.29	0.75

07 46 63 Fabricated Panel Assemblies with Siding *(07 46)*

07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	8.52	1.00
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	9.60	1.00
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.51	1.00
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.70	1.00

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*
Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	108.73	
		For Up To 10, Add	*25.28*	
		For >10 To 20, Add	*13.53*	
		For >20 To 40, Add	*7.20*	
		For >75 To 100, Deduct	*-3.60*	
		For >100 To 200, Deduct	*-7.65*	
		For >200, Deduct	*-11.25*	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	346.02	
		For Up To 10, Add	*72.74*	
		For >10 To 20, Add	*37.25*	
		For >20 To 40, Add	*19.07*	
		For >75 To 100, Deduct	*-9.53*	
		For >100 To 200, Deduct	*-19.51*	
		For >200, Deduct	*-29.05*	

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.35	

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	73.17	
		For Up To 10, Add	*18.29*	
		For >10 To 20, Add	*10.06*	
		For >20 To 40, Add	*5.48*	
		For >75 To 100, Deduct	*-2.74*	
		For >100 To 200, Deduct	*-5.94*	
		For >200, Deduct	*-8.68*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	79.93	
		For Up To 10, Add	*19.64*	
		For >10 To 20, Add	*10.73*	
		For >20 To 40, Add	*5.82*	
		For >75 To 100, Deduct	*-2.91*	
		For >100 To 200, Deduct	*-6.28*	
		For >200, Deduct	*-9.19*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	87.62	
		For Up To 10, Add	*21.18*	
		For >10 To 20, Add	*11.50*	
		For >20 To 40, Add	*6.21*	
		For >75 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-6.66*	
		For >200, Deduct	*-9.77*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	172.89	
		For Up To 10, Add	*38.23*	
		For >10 To 20, Add	*20.03*	
		For >20 To 40, Add	*10.47*	
		For >75 To 100, Deduct	*-5.24*	
		For >100 To 200, Deduct	*-10.93*	
		For >200, Deduct	*-16.16*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	310.47	
		For Up To 10, Add	*65.75*	
		For >10 To 20, Add	*33.79*	
		For >20 To 40, Add	*17.35*	
		For >75 To 100, Deduct	*-8.67*	
		For >100 To 200, Deduct	*-17.81*	
		For >200, Deduct	*-26.48*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	226.65	
		For Up To 10, Add	*49.33*	
		For >10 To 20, Add	*25.67*	
		For >20 To 40, Add	*13.33*	
		For >75 To 100, Deduct	*-6.67*	
		For >100 To 200, Deduct	*-13.83*	
		For >200, Deduct	*-20.50*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	4.11	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	91.28	
		For Up To 10, Add	*20.02*	
		For >10 To 20, Add	*10.45*	
		For >20 To 40, Add	*5.45*	
		For >75 To 100, Deduct	*-2.72*	
		For >100 To 200, Deduct	*-5.67*	
		For >200, Deduct	*-8.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	184.23	
		For Up To 10, Add	*38.61*	
		For >10 To 20, Add	*19.75*	
		For >20 To 40, Add	*10.09*	
		For >75 To 100, Deduct	*-5.05*	
		For >100 To 200, Deduct	*-10.32*	
		For >200, Deduct	*-15.36*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	321.81	
		For Up To 10, Add	*66.13*	
		For >10 To 20, Add	*33.51*	
		For >20 To 40, Add	*16.97*	
		For >75 To 100, Deduct	*-8.49*	
		For >100 To 200, Deduct	*-17.19*	
		For >200, Deduct	*-25.68*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	5.31	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	104.49	
		For Up To 10, Add	*24.43*	
		For >10 To 20, Add	*13.10*	
		For >20 To 40, Add	*6.99*	
		For >75 To 100, Deduct	*-3.50*	
		For >100 To 200, Deduct	*-7.43*	
		For >200, Deduct	*-10.93*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	121.94	
		For Up To 10, Add	*27.92*	
		For >10 To 20, Add	*14.85*	
		For >20 To 40, Add	*7.87*	
		For >75 To 100, Deduct	*-3.93*	
		For >100 To 200, Deduct	*-8.31*	
		For >200, Deduct	*-12.24*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	68.94	
		For Up To 10, Add	*17.44*	
		For >10 To 20, Add	*9.63*	
		For >20 To 40, Add	*5.27*	
		For >75 To 100, Deduct	*-2.64*	
		For >100 To 200, Deduct	*-5.73*	
		For >200, Deduct	*-8.37*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	86.39	
		For Up To 10, Add	*20.93*	
		For >10 To 20, Add	*11.38*	
		For >20 To 40, Add	*6.15*	
		For >75 To 100, Deduct	*-3.07*	
		For >100 To 200, Deduct	*-6.60*	
		For >200, Deduct	*-9.67*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	34.80	
		For Up To 10, Add	*8.73*	
		For >10 To 20, Add	*4.80*	
		For >20 To 40, Add	*2.62*	
		For >75 To 100, Deduct	*-1.31*	
		For >100 To 200, Deduct	*-2.84*	
		For >200, Deduct	*-4.16*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	52.25	
		For Up To 10, Add	*12.22*	
		For >10 To 20, Add	*6.55*	
		For >20 To 40, Add	*3.50*	
		For >75 To 100, Deduct	*-1.75*	
		For >100 To 200, Deduct	*-3.72*	
		For >200, Deduct	*-5.46*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	144.52	
		For Up To 10, Add	*37.74*	
		For >10 To 20, Add	*21.08*	
		For >20 To 40, Add	*11.64*	
		For >75 To 100, Deduct	*-5.82*	
		For >100 To 200, Deduct	*-12.75*	
		For >200, Deduct	*-18.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	247.19	
		For Up To 10, Add	*58.27*	
		For >10 To 20, Add	*31.35*	
		For >20 To 40, Add	*16.78*	
		For >75 To 100, Deduct	*-8.39*	
		For >100 To 200, Deduct	*-17.88*	
		For >200, Deduct	*-26.27*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	137.66	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	48.67	
		For Up To 10, Add	*10.90*	
		For >10 To 20, Add	*5.74*	
		For >20 To 40, Add	*3.02*	
		For >75 To 100, Deduct	*-1.51*	
		For >100 To 200, Deduct	*-3.16*	
		For >200, Deduct	*-4.67*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	136.86	
		For Up To 10, Add	*29.49*	
		For >10 To 20, Add	*15.28*	
		For >20 To 40, Add	*7.90*	
		For >75 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-8.17*	
		For >200, Deduct	*-12.12*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	119.88	
		For Up To 10, Add	*26.10*	
		For >10 To 20, Add	*13.58*	
		For >20 To 40, Add	*7.06*	
		For >75 To 100, Deduct	*-3.53*	
		For >100 To 200, Deduct	*-7.32*	
		For >200, Deduct	*-10.85*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	166.22	
		For Up To 10, Add	*35.37*	
		For >10 To 20, Add	*18.21*	
		For >20 To 40, Add	*9.37*	
		For >75 To 100, Deduct	*-4.69*	
		For >100 To 200, Deduct	*-9.64*	
		For >200, Deduct	*-14.32*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	167.73	
		For Up To 10, Add	*35.67*	
		For >10 To 20, Add	*18.36*	
		For >20 To 40, Add	*9.45*	
		For >75 To 100, Deduct	*-4.72*	
		For >100 To 200, Deduct	*-9.71*	
		For >200, Deduct	*-14.44*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*52.91*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	173.97	
		For Up To 10, Add	*36.92*	
		For >10 To 20, Add	*18.99*	
		For >20 To 40, Add	*9.76*	
		For >75 To 100, Deduct	*-4.88*	
		For >100 To 200, Deduct	*-10.02*	
		For >200, Deduct	*-14.90*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*54.97*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.23	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.16	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	30.11	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	34.87	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	42.18	

07 51 13 00-0052 Cant And Tapered Edge Strips *(07 51 13 00-0001)*

07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	2.70	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	2.87	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	3.66	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	2.41	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	2.56	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	2.96	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	3.88	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	4.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	5.08	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	4.99	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	6.72	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	7.97	

07 51 13 00-0065 Asphalt Primer *(07 51 13 00-0001)*

07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	27.01	

07 51 13 00-0067 Demolish Built-Up Roofing *(07 51 13 00-0001)*

Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.

07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	185.56	
		For Up To 10, Add		*45.28*
		For >10 To 25, Add		*27.17*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	143.14	
		For Up To 10, Add		*34.93*
		For >10 To 25, Add		*20.96*

07 51 13 00-0070 Roofing System Warranty *(07 51 13 00-0001)*

Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.

07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	670.32	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.58	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	766.08	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	15.32	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,053.36	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	21.07	

07 51 13 00-0077 Built-Up Roofing Components (Tremco) *(07 51 13)*

Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0078 Cold Applied BUR Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component. Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	145.44	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	178.21	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	206.36	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component. Note: Asphalt coated fiberglass base or ply sheet. Type II.	45.33	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component. Note: Asphalt coated fiberglass base or ply sheet. Type II.	67.29	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	290.52	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component. Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	268.48	

07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane *(07 51 13 00-0077)*

07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	157.95	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component. Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	432.19	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	720.39	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component. Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	182.41	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	286.27	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	711.16	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component. Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	512.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	518.32	

07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets *(07 51 13 00-0077)*

07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	299.47	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	584.66	

07 51 13 00-0098 Flashings *(07 51 13 00-0077)*

07 51 13 00-0099	LF	11-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	15.15	
07 51 13 00-0100	LF	19" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	23.93	
07 51 13 00-0101	LF	25" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	31.74	
07 51 13 00-0102	LF	38" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	47.01	
07 51 13 00-0103	LF	60-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	76.68	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	11.25	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	17.69	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	23.55	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	34.83	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	58.34	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.02	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.21	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.26	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	8.71	

07 51 13 00-0113 Cold Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	172.53	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	286.09	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	224.03	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	172.53	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	79.72	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	187.86	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	185.06	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	557.30	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	310.56	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	338.33	

07 51 13 00-0124 Hot Applied Adhesives *(07 51 13 00-0077)*

07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	50.71	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	105.56	

07 51 13 00-0127 Flashings Adhesives *(07 51 13 00-0077)*

07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	14.29	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	21.66	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	9.86	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	3.45	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	3.64	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	3.49	

07 51 13 00-0134 Surfacing *(07 51 13 00-0077)*

07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	264.84	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	584.57	
07 51 13 00-0137	SQ	Polar Coat	136.76	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	173.15	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	537.60	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	223.72	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	70.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	27.95	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	25.65	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	80.17	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	442.91	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	446.73	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	590.19	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	778.20	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	439.46	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	83.88	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	76.60	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	83.50	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	57.44	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	50.09	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	226.92	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	435.83	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	349.03	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	593.36	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	842.85	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	970.78	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	697.83	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	874.11	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,085.99	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	122.71	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	139.56	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	13.72	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	38.84	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	290.61	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	301.57	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	572.86	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	354.10	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	411.63	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	626.79	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,061.10	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	153.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	176.60	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	150.26	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	92.23	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)*		
		See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	756.97	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	539.03	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	669.49	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	696.04	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	972.56	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,094.41	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil	458.43	
		Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	575.75	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	348.66	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	684.32	
		Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	844.46	
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	919.45	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	969.44	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	885.08	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	938.20	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	985.07	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	784.32	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,235.01	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	1,003.81	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)*		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	691.35	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	431.24	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	96.01	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	61.95	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	76.46	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	83.49	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil	135.21	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	443.76	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	375.79	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	385.79	
07 51 13 00-0231	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	319.40	
07 51 13 00-0232	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	3.09	
07 51 13 00-0233	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	11.34	
07 51 13 00-0234	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	72.95	
07 51 13 00-0235	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.18	
07 51 13 00-0236	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	2.78	
07 51 13 00-0237	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.69	
07 51 13 00-0238	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	165.06	

07 51 13 00-0239 Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0195)*

07 51 13 00-0240	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	40.33	
07 51 13 00-0241	SQ	Black-Knight® Primer	36.66	
07 51 13 00-0242	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	178.20	
07 51 13 00-0243	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	183.11	
07 51 13 00-0244	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	292.32	
07 51 13 00-0245	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	492.59	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	499.14	
07 51 13 00-0247	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	229.13	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	380.44	
07 51 13 00-0249	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	607.70	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,011.58	
07 51 13 00-0251	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	418.32	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	424.87	
07 51 13 00-0253	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	935.42	
07 51 13 00-0254	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	396.47	
07 51 13 00-0255	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	186.12	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	192.67	
07 51 13 00-0257	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	164.33	
07 51 13 00-0258	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	151.92	
07 51 13 00-0259	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	13.31	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0260	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	203.38	
07 51 13 00-0261	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	196.88	
07 51 13 00-0262	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	19.42	
07 51 13 00-0263	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	265.89	
07 51 13 00-0264	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,438.73	
07 51 13 00-0265	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	327.22	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	404.39	
07 51 13 00-0267	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	144.16	
07 51 13 00-0268	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	390.23	
07 51 13 00-0269	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	142.97	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	222.47	
		For Up To 10, Add	*48.03*	
		For >10 To 20, Add	*24.90*	
		For >20 To 40, Add	*12.89*	
		For >75 To 100, Deduct	*-6.45*	
		For >100 To 200, Deduct	*-13.33*	
		For >200, Deduct	*-19.78*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	276.65	
		For Up To 10, Add	*58.87*	
		For >10 To 20, Add	*30.32*	
		For >20 To 40, Add	*15.60*	
		For >75 To 100, Deduct	*-7.80*	
		For >100 To 200, Deduct	*-16.04*	
		For >200, Deduct	*-23.84*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	449.65	
		For Up To 10, Add	*93.47*	
		For >10 To 20, Add	*47.62*	
		For >20 To 40, Add	*24.25*	
		For >75 To 100, Deduct	*-12.13*	
		For >100 To 200, Deduct	*-24.69*	
		For >200, Deduct	*-36.82*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	451.33	
		For Up To 10, Add	*94.14*	
		For >10 To 20, Add	*48.04*	
		For >20 To 40, Add	*24.50*	
		For >75 To 100, Deduct	*-12.25*	
		For >100 To 200, Deduct	*-24.99*	
		For >200, Deduct	*-37.24*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	314.70	
		For Up To 10, Add	*66.81*	
		For >10 To 20, Add	*34.37*	
		For >20 To 40, Add	*17.67*	
		For >75 To 100, Deduct	*-8.84*	
		For >100 To 200, Deduct	*-18.16*	
		For >200, Deduct	*-26.99*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	369.50	
		For Up To 10, Add	*77.77*	
		For >10 To 20, Add	*39.85*	
		For >20 To 40, Add	*20.41*	
		For >75 To 100, Deduct	*-10.21*	
		For >100 To 200, Deduct	*-20.90*	
		For >200, Deduct	*-31.10*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	518.81	
		For Up To 10, Add	*107.63*	
		For >10 To 20, Add	*54.79*	
		For >20 To 40, Add	*27.88*	
		For >75 To 100, Deduct	*-13.94*	
		For >100 To 200, Deduct	*-28.36*	
		For >200, Deduct	*-42.30*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.34	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.06	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	153.07	
		For Up To 10, Add	*34.14*	
		For >10 To 20, Add	*17.95*	
		For >20 To 40, Add	*9.42*	
		For >75 To 100, Deduct	*-4.71*	
		For >100 To 200, Deduct	*-9.86*	
		For >200, Deduct	*-14.57*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	207.26	
		For Up To 10, Add	*44.98*	
		For >10 To 20, Add	*23.37*	
		For >20 To 40, Add	*12.13*	
		For >75 To 100, Deduct	*-6.06*	
		For >100 To 200, Deduct	*-12.57*	
		For >200, Deduct	*-18.63*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	241.55	
		For Up To 10, Add	*53.61*	
		For >10 To 20, Add	*28.13*	
		For >20 To 40, Add	*14.73*	
		For >75 To 100, Deduct	*-7.36*	
		For >100 To 200, Deduct	*-15.39*	
		For >200, Deduct	*-22.76*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	255.43	
		For Up To 10, Add	*56.39*	
		For >10 To 20, Add	*29.52*	
		For >20 To 40, Add	*15.42*	
		For >75 To 100, Deduct	*-7.71*	
		For >100 To 200, Deduct	*-16.09*	
		For >200, Deduct	*-23.80*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	367.97	
		For Up To 10, Add	*78.90*	
		For >10 To 20, Add	*40.77*	
		For >20 To 40, Add	*21.05*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-21.71*	
		For >200, Deduct	*-32.24*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	241.55	
		For Up To 10, Add	*53.61*	
		For >10 To 20, Add	*28.13*	
		For >20 To 40, Add	*14.73*	
		For >75 To 100, Deduct	*-7.36*	
		For >100 To 200, Deduct	*-15.39*	
		For >200, Deduct	*-22.76*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	258.89	
		For Up To 10, Add	*57.08*	
		For >10 To 20, Add	*29.87*	
		For >20 To 40, Add	*15.60*	
		For >75 To 100, Deduct	*-7.80*	
		For >100 To 200, Deduct	*-16.26*	
		For >200, Deduct	*-24.06*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	367.97	
		For Up To 10, Add	*78.90*	
		For >10 To 20, Add	*40.77*	
		For >20 To 40, Add	*21.05*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-21.71*	
		For >200, Deduct	*-32.24*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	252.48	
		For Up To 10, Add	*55.80*	
		For >10 To 20, Add	*29.22*	
		For >20 To 40, Add	*15.28*	
		For >75 To 100, Deduct	*-7.64*	
		For >100 To 200, Deduct	*-15.94*	
		For >200, Deduct	*-23.58*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	269.30	
		For Up To 10, Add	*59.16*	
		For >10 To 20, Add	*30.91*	
		For >20 To 40, Add	*16.12*	
		For >75 To 100, Deduct	*-8.06*	
		For >100 To 200, Deduct	*-16.78*	
		For >200, Deduct	*-24.84*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	310.57	
		For Up To 10, Add	*67.42*	
		For >10 To 20, Add	*35.03*	
		For >20 To 40, Add	*18.18*	
		For >75 To 100, Deduct	*-9.09*	
		For >100 To 200, Deduct	*-18.84*	
		For >200, Deduct	*-27.93*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	315.60	
		For Up To 10, Add	*68.42*	
		For >10 To 20, Add	*35.54*	
		For >20 To 40, Add	*18.43*	
		For >75 To 100, Deduct	*-9.22*	
		For >100 To 200, Deduct	*-19.09*	
		For >200, Deduct	*-28.31*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	456.59	
		For Up To 10, Add	*96.62*	
		For >10 To 20, Add	*49.64*	
		For >20 To 40, Add	*25.48*	
		For >75 To 100, Deduct	*-12.74*	
		For >100 To 200, Deduct	*-26.14*	
		For >200, Deduct	*-38.88*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.95	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.12	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.21	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.23	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.69	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.10	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	252.44	
		For Up To 10, Add	*52.25*	
		For >10 To 20, Add	*26.57*	
		For >20 To 40, Add	*13.51*	
		For >75 To 100, Deduct	*-6.75*	
		For >100 To 200, Deduct	*-13.73*	
		For >200, Deduct	*-20.48*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	169.42	
		For Up To 10, Add	*37.42*	
		For >10 To 20, Add	*19.59*	
		For >20 To 40, Add	*10.24*	
		For >75 To 100, Deduct	*-5.12*	
		For >100 To 200, Deduct	*-10.68*	
		For >200, Deduct	*-15.80*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	229.58	
		For Up To 10, Add	*49.45*	
		For >10 To 20, Add	*25.61*	
		For >20 To 40, Add	*13.25*	
		For >75 To 100, Deduct	*-6.62*	
		For >100 To 200, Deduct	*-13.69*	
		For >200, Deduct	*-20.31*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	237.35	
		For Up To 10, Add	*51.01*	
		For >10 To 20, Add	*26.39*	
		For >20 To 40, Add	*13.64*	
		For >75 To 100, Deduct	*-6.82*	
		For >100 To 200, Deduct	*-14.08*	
		For >200, Deduct	*-20.90*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	333.31	
		For Up To 10, Add	*70.20*	
		For >10 To 20, Add	*35.98*	
		For >20 To 40, Add	*18.43*	
		For >75 To 100, Deduct	*-9.22*	
		For >100 To 200, Deduct	*-18.88*	
		For >200, Deduct	*-28.09*	

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	430.42	
		For Up To 10, Add	*89.62*	
		For >10 To 20, Add	*45.69*	
		For >20 To 40, Add	*23.29*	
		For >75 To 100, Deduct	*-11.64*	
		For >100 To 200, Deduct	*-23.73*	
		For >200, Deduct	*-35.38*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	351.60	
		For Up To 10, Add	*74.19*	
		For >10 To 20, Add	*38.06*	
		For >20 To 40, Add	*19.52*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-20.00*	
		For >200, Deduct	*-29.76*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	362.04	
		For Up To 10, Add	*76.28*	
		For >10 To 20, Add	*39.11*	
		For >20 To 40, Add	*20.04*	
		For >75 To 100, Deduct	*-10.02*	
		For >100 To 200, Deduct	*-20.52*	
		For >200, Deduct	*-30.54*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	313.13	
		For Up To 10, Add	*66.50*	
		For >10 To 20, Add	*34.22*	
		For >20 To 40, Add	*17.59*	
		For >75 To 100, Deduct	*-8.80*	
		For >100 To 200, Deduct	*-18.08*	
		For >200, Deduct	*-26.87*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	317.64	
		For Up To 10, Add	*67.40*	
		For >10 To 20, Add	*34.67*	
		For >20 To 40, Add	*17.82*	
		For >75 To 100, Deduct	*-8.91*	
		For >100 To 200, Deduct	*-18.30*	
		For >200, Deduct	*-27.21*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	359.26	
		For Up To 10, Add	*75.72*	
		For >10 To 20, Add	*38.83*	
		For >20 To 40, Add	*19.90*	
		For >75 To 100, Deduct	*-9.95*	
		For >100 To 200, Deduct	*-20.38*	
		For >200, Deduct	*-30.33*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	366.20	
		For Up To 10, Add	*77.11*	
		For >10 To 20, Add	*39.52*	
		For >20 To 40, Add	*20.25*	
		For >75 To 100, Deduct	*-10.12*	
		For >100 To 200, Deduct	*-20.73*	
		For >200, Deduct	*-30.85*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	426.90	
		For Up To 10, Add	*89.25*	
		For >10 To 20, Add	*45.59*	
		For >20 To 40, Add	*23.28*	
		For >75 To 100, Deduct	*-11.64*	
		For >100 To 200, Deduct	*-23.77*	
		For >200, Deduct	*-35.41*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	537.47	
		For Up To 10, Add	*111.37*	
		For >10 To 20, Add	*56.65*	
		For >20 To 40, Add	*28.81*	
		For >75 To 100, Deduct	*-14.40*	
		For >100 To 200, Deduct	*-29.29*	
		For >200, Deduct	*-43.70*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	320.66	
		For Up To 10, Add	*68.00*	
		For >10 To 20, Add	*34.97*	
		For >20 To 40, Add	*17.97*	
		For >75 To 100, Deduct	*-8.98*	
		For >100 To 200, Deduct	*-18.45*	
		For >200, Deduct	*-27.44*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	331.52	
		For Up To 10, Add	*70.18*	
		For >10 To 20, Add	*36.06*	
		For >20 To 40, Add	*18.51*	
		For >75 To 100, Deduct	*-9.26*	
		For >100 To 200, Deduct	*-19.00*	
		For >200, Deduct	*-28.25*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	390.48	
		For Up To 10, Add	*81.97*	
		For >10 To 20, Add	*41.95*	
		For >20 To 40, Add	*21.46*	
		For >75 To 100, Deduct	*-10.73*	
		For >100 To 200, Deduct	*-21.94*	
		For >200, Deduct	*-32.67*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	391.87	
		For Up To 10, Add	*82.25*	
		For >10 To 20, Add	*42.09*	
		For >20 To 40, Add	*21.53*	
		For >75 To 100, Deduct	*-10.76*	
		For >100 To 200, Deduct	*-22.01*	
		For >200, Deduct	*-32.78*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	418.23	
		For Up To 10, Add	*87.52*	
		For >10 To 20, Add	*44.73*	
		For >20 To 40, Add	*22.85*	
		For >75 To 100, Deduct	*-11.42*	
		For >100 To 200, Deduct	*-23.33*	
		For >200, Deduct	*-34.76*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.45	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	3.96	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.00	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.49	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.10	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.20	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.03	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.14	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.75	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.01	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.17	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.96	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	133.87	
		For Up To 10, Add	*30.43*	
		For >10 To 20, Add	*16.13*	
		For >20 To 40, Add	*8.52*	
		For >75 To 100, Deduct	*-4.26*	
		For >100 To 200, Deduct	*-8.98*	
		For >200, Deduct	*-13.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	194.03	
		For Up To 10, Add	*42.46*	
		For >10 To 20, Add	*22.14*	
		For >20 To 40, Add	*11.53*	
		For >75 To 100, Deduct	*-5.76*	
		For >100 To 200, Deduct	*-11.98*	
		For >200, Deduct	*-17.75*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	201.79	
		For Up To 10, Add	*44.01*	
		For >10 To 20, Add	*22.92*	
		For >20 To 40, Add	*11.92*	
		For >75 To 100, Deduct	*-5.96*	
		For >100 To 200, Deduct	*-12.37*	
		For >200, Deduct	*-18.33*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	297.75	
		For Up To 10, Add	*63.20*	
		For >10 To 20, Add	*32.51*	
		For >20 To 40, Add	*16.71*	
		For >75 To 100, Deduct	*-8.36*	
		For >100 To 200, Deduct	*-17.17*	
		For >200, Deduct	*-25.53*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	394.87	
		For Up To 10, Add	*82.63*	
		For >10 To 20, Add	*42.23*	
		For >20 To 40, Add	*21.57*	
		For >75 To 100, Deduct	*-10.78*	
		For >100 To 200, Deduct	*-22.03*	
		For >200, Deduct	*-32.81*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	316.10	
		For Up To 10, Add	*67.22*	
		For >10 To 20, Add	*34.61*	
		For >20 To 40, Add	*17.81*	
		For >75 To 100, Deduct	*-8.90*	
		For >100 To 200, Deduct	*-18.31*	
		For >200, Deduct	*-27.21*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	326.54	
		For Up To 10, Add	*69.31*	
		For >10 To 20, Add	*35.65*	
		For >20 To 40, Add	*18.33*	
		For >75 To 100, Deduct	*-9.16*	
		For >100 To 200, Deduct	*-18.83*	
		For >200, Deduct	*-27.99*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	277.64	
		For Up To 10, Add	*59.53*	
		For >10 To 20, Add	*30.76*	
		For >20 To 40, Add	*15.88*	
		For >75 To 100, Deduct	*-7.94*	
		For >100 To 200, Deduct	*-16.38*	
		For >200, Deduct	*-24.32*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	282.15	
		For Up To 10, Add	*60.43*	
		For >10 To 20, Add	*31.22*	
		For >20 To 40, Add	*16.11*	
		For >75 To 100, Deduct	*-8.05*	
		For >100 To 200, Deduct	*-16.61*	
		For >200, Deduct	*-24.66*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	323.77	
		For Up To 10, Add	*68.75*	
		For >10 To 20, Add	*35.38*	
		For >20 To 40, Add	*18.19*	
		For >75 To 100, Deduct	*-9.09*	
		For >100 To 200, Deduct	*-18.69*	
		For >200, Deduct	*-27.78*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	330.71	
		For Up To 10, Add	*70.14*	
		For >10 To 20, Add	*36.07*	
		For >20 To 40, Add	*18.54*	
		For >75 To 100, Deduct	*-9.27*	
		For >100 To 200, Deduct	*-19.04*	
		For >200, Deduct	*-28.30*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	391.40	
		For Up To 10, Add	*82.28*	
		For >10 To 20, Add	*42.14*	
		For >20 To 40, Add	*21.57*	
		For >75 To 100, Deduct	*-10.79*	
		For >100 To 200, Deduct	*-22.07*	
		For >200, Deduct	*-32.86*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	501.98	
		For Up To 10, Add	*104.40*	
		For >10 To 20, Add	*53.20*	
		For >20 To 40, Add	*27.10*	
		For >75 To 100, Deduct	*-13.55*	
		For >100 To 200, Deduct	*-27.60*	
		For >200, Deduct	*-41.15*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	285.17	
		For Up To 10, Add	*61.03*	
		For >10 To 20, Add	*31.52*	
		For >20 To 40, Add	*16.26*	
		For >75 To 100, Deduct	*-8.13*	
		For >100 To 200, Deduct	*-16.76*	
		For >200, Deduct	*-24.89*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	296.02	
		For Up To 10, Add	*63.20*	
		For >10 To 20, Add	*32.60*	
		For >20 To 40, Add	*16.80*	
		For >75 To 100, Deduct	*-8.40*	
		For >100 To 200, Deduct	*-17.30*	
		For >200, Deduct	*-25.70*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	354.99	
		For Up To 10, Add	*75.00*	
		For >10 To 20, Add	*38.50*	
		For >20 To 40, Add	*19.75*	
		For >75 To 100, Deduct	*-9.87*	
		For >100 To 200, Deduct	*-20.25*	
		For >200, Deduct	*-30.12*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	356.37	
		For Up To 10, Add	*75.27*	
		For >10 To 20, Add	*38.64*	
		For >20 To 40, Add	*19.82*	
		For >75 To 100, Deduct	*-9.91*	
		For >100 To 200, Deduct	*-20.32*	
		For >200, Deduct	*-30.23*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	382.73	
		For Up To 10, Add	*80.55*	
		For >10 To 20, Add	*41.27*	
		For >20 To 40, Add	*21.14*	
		For >75 To 100, Deduct	*-10.57*	
		For >100 To 200, Deduct	*-21.64*	
		For >200, Deduct	*-32.20*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.26	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.77	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.81	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.23	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.30	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.91	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.01	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.84	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.95	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.45	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.82	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.98	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13		**Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** *(07 52 16)*		
07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*		
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	290.11	
		For Up To 10, Add	*63.32*	
		For >10 To 20, Add	*32.99*	
		For >20 To 40, Add	*17.16*	
		For >75 To 100, Deduct	*-8.58*	
		For >100 To 200, Deduct	*-17.82*	
		For >200, Deduct	*-26.40*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	256.47	
		For Up To 10, Add	*56.60*	
		For >10 To 20, Add	*29.62*	
		For >20 To 40, Add	*15.47*	
		For >75 To 100, Deduct	*-7.74*	
		For >100 To 200, Deduct	*-16.14*	
		For >200, Deduct	*-23.87*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	296.01	
		For Up To 10, Add	*64.50*	
		For >10 To 20, Add	*33.58*	
		For >20 To 40, Add	*17.45*	
		For >75 To 100, Deduct	*-8.73*	
		For >100 To 200, Deduct	*-18.11*	
		For >200, Deduct	*-26.84*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	475.25	
		For Up To 10, Add	*100.35*	
		For >10 To 20, Add	*51.50*	
		For >20 To 40, Add	*26.41*	
		For >75 To 100, Deduct	*-13.21*	
		For >100 To 200, Deduct	*-27.08*	
		For >200, Deduct	*-40.28*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	267.77	
		For Up To 10, Add	*58.86*	
		For >10 To 20, Add	*30.75*	
		For >20 To 40, Add	*16.04*	
		For >75 To 100, Deduct	*-8.02*	
		For >100 To 200, Deduct	*-16.70*	
		For >200, Deduct	*-24.72*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	314.39	
		For Up To 10, Add	*68.18*	
		For >10 To 20, Add	*35.42*	
		For >20 To 40, Add	*18.37*	
		For >75 To 100, Deduct	*-9.19*	
		For >100 To 200, Deduct	*-19.03*	
		For >200, Deduct	*-28.22*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	329.14	
		For Up To 10, Add	*71.31*	
		For >10 To 20, Add	*37.02*	
		For >20 To 40, Add	*19.20*	
		For >75 To 100, Deduct	*-9.60*	
		For >100 To 200, Deduct	*-19.88*	
		For >200, Deduct	*-29.48*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	437.95	
		For Up To 10, Add	*93.07*	
		For >10 To 20, Add	*47.90*	
		For >20 To 40, Add	*24.64*	
		For >75 To 100, Deduct	*-12.32*	
		For >100 To 200, Deduct	*-25.32*	
		For >200, Deduct	*-37.64*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.53	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.51	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.29	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.72	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.82	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.92	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.15	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	14.05	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	192.67	
		For Up To 10, Add	*40.30*	
		For >10 To 20, Add	*20.59*	
		For >20 To 40, Add	*10.52*	
		For >75 To 100, Deduct	*-5.26*	
		For >100 To 200, Deduct	*-10.74*	
		For >200, Deduct	*-16.00*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	145.21	
		For Up To 10, Add	*30.81*	
		For >10 To 20, Add	*15.85*	
		For >20 To 40, Add	*8.14*	
		For >75 To 100, Deduct	*-4.07*	
		For >100 To 200, Deduct	*-8.36*	
		For >200, Deduct	*-12.44*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	191.93	
		For Up To 10, Add	*40.15*	
		For >10 To 20, Add	*20.52*	
		For >20 To 40, Add	*10.48*	
		For >75 To 100, Deduct	*-5.24*	
		For >100 To 200, Deduct	*-10.70*	
		For >200, Deduct	*-15.94*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	243.54	
		For Up To 10, Add	*50.47*	
		For >10 To 20, Add	*25.68*	
		For >20 To 40, Add	*13.06*	
		For >75 To 100, Deduct	*-6.53*	
		For >100 To 200, Deduct	*-13.28*	
		For >200, Deduct	*-19.81*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	309.09	
		For Up To 10, Add	*63.58*	
		For >10 To 20, Add	*32.23*	
		For >20 To 40, Add	*16.34*	
		For >75 To 100, Deduct	*-8.17*	
		For >100 To 200, Deduct	*-16.56*	
		For >200, Deduct	*-24.73*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.26	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.36	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	149.23	
		For Up To 10, Add	*31.97*	
		For >10 To 20, Add	*16.51*	
		For >20 To 40, Add	*8.52*	
		For >75 To 100, Deduct	*-4.26*	
		For >100 To 200, Deduct	*-8.79*	
		For >200, Deduct	*-13.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	159.06	
		For Up To 10, Add	*33.93*	
		For >10 To 20, Add	*17.50*	
		For >20 To 40, Add	*9.01*	
		For >75 To 100, Deduct	*-4.51*	
		For >100 To 200, Deduct	*-9.28*	
		For >200, Deduct	*-13.79*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	278.04	
		For Up To 10, Add	*57.89*	
		For >10 To 20, Add	*29.51*	
		For >20 To 40, Add	*15.04*	
		For >75 To 100, Deduct	*-7.52*	
		For >100 To 200, Deduct	*-15.33*	
		For >200, Deduct	*-22.85*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	335.69	
		For Up To 10, Add	*69.42*	
		For >10 To 20, Add	*35.28*	
		For >20 To 40, Add	*17.92*	
		For >75 To 100, Deduct	*-8.96*	
		For >100 To 200, Deduct	*-18.21*	
		For >200, Deduct	*-27.17*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	505.64	
		For Up To 10, Add	*103.41*	
		For >10 To 20, Add	*52.27*	
		For >20 To 40, Add	*26.42*	
		For >75 To 100, Deduct	*-13.21*	
		For >100 To 200, Deduct	*-26.71*	
		For >200, Deduct	*-39.92*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	3.48	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.04	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.74	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	495.23	42.41
		For Up To 10, Add	*116.01*	
		For >10 To 20, Add	*62.25*	
		For >20 To 40, Add	*33.24*	
		For >75 To 100, Deduct	*-16.62*	
		For >100 To 200, Deduct	*-35.37*	
		For >200, Deduct	*-51.99*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	398.87	21.21
		For Up To 10, Add	*88.26*	
		For >10 To 20, Add	*46.25*	
		For >20 To 40, Add	*24.18*	
		For >75 To 100, Deduct	*-12.09*	
		For >100 To 200, Deduct	*-25.24*	
		For >200, Deduct	*-37.34*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	403.40	31.82
		For Up To 10, Add	*93.40*	
		For >10 To 20, Add	*49.88*	
		For >20 To 40, Add	*26.53*	
		For >75 To 100, Deduct	*-13.27*	
		For >100 To 200, Deduct	*-28.12*	
		For >200, Deduct	*-41.39*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*15.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.26*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	247.52	21.21
		For Up To 10, Add	*57.99*	
		For >10 To 20, Add	*31.11*	
		For >20 To 40, Add	*16.62*	
		For >75 To 100, Deduct	*-8.31*	
		For >100 To 200, Deduct	*-17.68*	
		For >200, Deduct	*-25.99*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	328.22	22.53
		For Up To 10, Add	*74.66*	
		For >10 To 20, Add	*39.58*	
		For >20 To 40, Add	*20.92*	
		For >75 To 100, Deduct	*-10.46*	
		For >100 To 200, Deduct	*-22.04*	
		For >200, Deduct	*-32.50*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	453.71	23.85
		For Up To 10, Add	*100.29*	
		For >10 To 20, Add	*52.53*	
		For >20 To 40, Add	*27.46*	
		For >75 To 100, Deduct	*-13.73*	
		For >100 To 200, Deduct	*-28.65*	
		For >200, Deduct	*-42.38*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	278.42	31.82
		For Up To 10, Add	*68.41*	
		For >10 To 20, Add	*37.39*	
		For >20 To 40, Add	*20.28*	
		For >75 To 100, Deduct	*-10.14*	
		For >100 To 200, Deduct	*-21.87*	
		For >200, Deduct	*-32.02*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	359.12	33.14
		For Up To 10, Add	*85.08*	
		For >10 To 20, Add	*45.85*	
		For >20 To 40, Add	*24.58*	
		For >75 To 100, Deduct	*-12.29*	
		For >100 To 200, Deduct	*-26.24*	
		For >200, Deduct	*-38.53*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	484.60	34.46
		For Up To 10, Add	*110.70*	
		For >10 To 20, Add	*58.80*	
		For >20 To 40, Add	*31.12*	
		For >75 To 100, Deduct	*-15.56*	
		For >100 To 200, Deduct	*-32.85*	
		For >200, Deduct	*-48.41*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	365.31	42.41
		For Up To 10, Add	*90.03*	
		For >10 To 20, Add	*49.26*	
		For >20 To 40, Add	*26.75*	
		For >75 To 100, Deduct	*-13.37*	
		For >100 To 200, Deduct	*-28.87*	
		For >200, Deduct	*-42.24*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	446.00	43.74
		For Up To 10, Add	*106.69*	
		For >10 To 20, Add	*57.72*	
		For >20 To 40, Add	*31.05*	
		For >75 To 100, Deduct	*-15.52*	
		For >100 To 200, Deduct	*-33.23*	
		For >200, Deduct	*-48.76*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	571.49	45.06
		For Up To 10, Add	*132.32*	
		For >10 To 20, Add	*70.67*	
		For >20 To 40, Add	*37.59*	
		For >75 To 100, Deduct	*-18.79*	
		For >100 To 200, Deduct	*-39.84*	
		For >200, Deduct	*-58.63*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	251.79	31.82
		For Up To 10, Add	*63.08*	
		For >10 To 20, Add	*34.72*	
		For >20 To 40, Add	*18.95*	
		For >75 To 100, Deduct	*-9.48*	
		For >100 To 200, Deduct	*-20.54*	
		For >200, Deduct	*-30.02*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*15.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.26*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	332.49	33.14
		For Up To 10, Add	*79.75*	
		For >10 To 20, Add	*43.19*	
		For >20 To 40, Add	*23.25*	
		For >75 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-24.91*	
		For >200, Deduct	*-36.53*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*16.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.92*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	457.98	34.46
		For Up To 10, Add	*105.38*	
		For >10 To 20, Add	*56.14*	
		For >20 To 40, Add	*29.79*	
		For >75 To 100, Deduct	*-14.90*	
		For >100 To 200, Deduct	*-31.51*	
		For >200, Deduct	*-46.41*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*17.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*18.58*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0014		Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*		
07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	62.80	
		For Up To 10, Add	*14.68*	
		For >10 To 20, Add	*7.87*	
		For >20 To 40, Add	*4.20*	
		For >75 To 100, Deduct	*-2.10*	
		For >100 To 200, Deduct	*-4.47*	
		For >200, Deduct	*-6.57*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	65.41	
		For Up To 10, Add	*15.20*	
		For >10 To 20, Add	*8.13*	
		For >20 To 40, Add	*4.33*	
		For >75 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-4.60*	
		For >200, Deduct	*-6.76*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	35.42	5.04
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	56.01	5.04
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	115.46	5.04
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	155.85	5.56
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	29.55	3.07
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	5.10	0.80
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.90	1.19
07 53 29		**Polyisobutylene Roofing** *(07 53)*		
07 53 29 00-0001		Polyisobutylene (PIB) Roofing Membranes *(07 53 29)* Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	492.37	23.85
		For Up To 10, Add	*108.02*	
		For >10 To 20, Add	*56.40*	
		For >20 To 40, Add	*29.39*	
		For >75 To 100, Deduct	*-14.70*	
		For >100 To 200, Deduct	*-30.58*	
		For >200, Deduct	*-45.28*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	530.74	34.46
		For Up To 10, Add	*119.93*	
		For >10 To 20, Add	*63.41*	
		For >20 To 40, Add	*33.43*	
		For >75 To 100, Deduct	*-16.71*	
		For >100 To 200, Deduct	*-35.15*	
		For >200, Deduct	*-51.87*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	628.85	45.06
		For Up To 10, Add	*143.80*	
		For >10 To 20, Add	*76.40*	
		For >20 To 40, Add	*40.46*	
		For >75 To 100, Deduct	*-20.23*	
		For >100 To 200, Deduct	*-42.71*	
		For >200, Deduct	*-62.94*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 54		**Thermoplastic Membrane Roofing** *(07 50)* Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 54 19		**Polyvinyl-Chloride Roofing** *(07 54)*		
07 54 19 00-0001		Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)* Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	215.56	21.21
		For Up To 10, Add	*51.59*	
		For >10 To 20, Add	*27.92*	
		For >20 To 40, Add	*15.02*	
		For >75 To 100, Deduct	*-7.51*	
		For >100 To 200, Deduct	*-16.08*	
		For >200, Deduct	*-23.59*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	245.07	22.53
		For Up To 10, Add	*58.03*	
		For >10 To 20, Add	*31.27*	
		For >20 To 40, Add	*16.76*	
		For >75 To 100, Deduct	*-8.38*	
		For >100 To 200, Deduct	*-17.89*	
		For >200, Deduct	*-26.27*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	280.72	23.20
		For Up To 10, Add	*65.42*	
		For >10 To 20, Add	*35.03*	
		For >20 To 40, Add	*18.68*	
		For >75 To 100, Deduct	*-9.34*	
		For >100 To 200, Deduct	*-19.83*	
		For >200, Deduct	*-29.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	296.97	23.85
		For Up To 10, Add	*68.94*	
		For >10 To 20, Add	*36.86*	
		For >20 To 40, Add	*19.62*	
		For >75 To 100, Deduct	*-9.81*	
		For >100 To 200, Deduct	*-20.81*	
		For >200, Deduct	*-30.62*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	393.30	42.41
		For Up To 10, Add	*95.63*	
		For >10 To 20, Add	*52.05*	
		For >20 To 40, Add	*28.15*	
		For >75 To 100, Deduct	*-14.07*	
		For >100 To 200, Deduct	*-30.27*	
		For >200, Deduct	*-44.34*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	422.79	43.74
		For Up To 10, Add	*102.05*	
		For >10 To 20, Add	*55.40*	
		For >20 To 40, Add	*29.89*	
		For >75 To 100, Deduct	*-14.94*	
		For >100 To 200, Deduct	*-32.07*	
		For >200, Deduct	*-47.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	458.46	44.40
		For Up To 10, Add	*109.45*	
		For >10 To 20, Add	*59.17*	
		For >20 To 40, Add	*31.80*	
		For >75 To 100, Deduct	*-15.90*	
		For >100 To 200, Deduct	*-34.02*	
		For >200, Deduct	*-49.93*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	474.70	45.06
		For Up To 10, Add	*112.97*	
		For >10 To 20, Add	*60.99*	
		For >20 To 40, Add	*32.75*	
		For >75 To 100, Deduct	*-16.37*	
		For >100 To 200, Deduct	*-35.00*	
		For >200, Deduct	*-51.38*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	211.38	31.82
		For Up To 10, Add	*55.00*	
		For >10 To 20, Add	*30.68*	
		For >20 To 40, Add	*16.93*	
		For >75 To 100, Deduct	*-8.47*	
		For >100 To 200, Deduct	*-18.52*	
		For >200, Deduct	*-26.99*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*15.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.26*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	240.89	33.14
		For Up To 10, Add	*61.43*	
		For >10 To 20, Add	*34.03*	
		For >20 To 40, Add	*18.67*	
		For >75 To 100, Deduct	*-9.34*	
		For >100 To 200, Deduct	*-20.33*	
		For >200, Deduct	*-29.66*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*16.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.92*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	276.54	33.80
		For Up To 10, Add	*68.83*	
		For >10 To 20, Add	*37.79*	
		For >20 To 40, Add	*20.59*	
		For >75 To 100, Deduct	*-10.29*	
		For >100 To 200, Deduct	*-22.28*	
		For >200, Deduct	*-32.57*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*16.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*18.25*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	292.78	34.46
		For Up To 10, Add	*72.34*	
		For >10 To 20, Add	*39.62*	
		For >20 To 40, Add	*21.53*	
		For >75 To 100, Deduct	*-10.77*	
		For >100 To 200, Deduct	*-23.25*	
		For >200, Deduct	*-34.02*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*17.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*18.58*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	62.80	
		For Up To 10, Add	*14.68*	
		For >10 To 20, Add	*7.87*	
		For >20 To 40, Add	*4.20*	
		For >75 To 100, Deduct	*-2.10*	
		For >100 To 200, Deduct	*-4.47*	
		For >200, Deduct	*-6.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	65.41	
		For Up To 10, Add	*15.20*	
		For >10 To 20, Add	*8.13*	
		For >20 To 40, Add	*4.33*	
		For >75 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-4.60*	
		For >200, Deduct	*-6.76*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	68.11	4.51
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	98.75	5.04
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	128.47	5.56
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	167.15	5.56
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	24.23	3.07
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	6.44	0.80
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	7.24	1.19
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	9.40	0.80

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	383.25	42.41
		For Up To 10, Add	*93.62*	
		For >10 To 20, Add	*51.05*	
		For >20 To 40, Add	*27.65*	
		For >75 To 100, Deduct	*-13.82*	
		For >100 To 200, Deduct	*-29.77*	
		For >200, Deduct	*-43.59*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	414.94	43.74
		For Up To 10, Add	*100.48*	
		For >10 To 20, Add	*54.61*	
		For >20 To 40, Add	*29.49*	
		For >75 To 100, Deduct	*-14.75*	
		For >100 To 200, Deduct	*-31.68*	
		For >200, Deduct	*-46.43*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	566.87	45.06
		For Up To 10, Add	*131.40*	
		For >10 To 20, Add	*70.21*	
		For >20 To 40, Add	*37.36*	
		For >75 To 100, Deduct	*-18.68*	
		For >100 To 200, Deduct	*-39.61*	
		For >200, Deduct	*-58.29*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	244.90	31.82
		For Up To 10, Add	*61.70*	
		For >10 To 20, Add	*34.03*	
		For >20 To 40, Add	*18.61*	
		For >75 To 100, Deduct	*-9.30*	
		For >100 To 200, Deduct	*-20.20*	
		For >200, Deduct	*-29.50*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*15.91*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0006	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	276.61	33.14
		For Up To 10, Add	*68.58*	
		For >10 To 20, Add	*37.60*	
		For >20 To 40, Add	*20.46*	
		For >75 To 100, Deduct	*-10.23*	
		For >100 To 200, Deduct	*-22.11*	
		For >200, Deduct	*-32.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*16.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*17.92*	
07 54 23 00-0007	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	428.52	34.46
		For Up To 10, Add	*99.49*	
		For >10 To 20, Add	*53.19*	
		For >20 To 40, Add	*28.32*	
		For >75 To 100, Deduct	*-14.16*	
		For >100 To 200, Deduct	*-30.04*	
		For >200, Deduct	*-44.20*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*17.23*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*18.58*	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0009	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	77.16	
		For Up To 10, Add	*17.55*	
		For >10 To 20, Add	*9.31*	
		For >20 To 40, Add	*4.92*	
		For >75 To 100, Deduct	*-2.46*	
		For >100 To 200, Deduct	*-5.18*	
		For >200, Deduct	*-7.64*	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	65.41	
		For Up To 10, Add	*15.20*	
		For >10 To 20, Add	*8.13*	
		For >20 To 40, Add	*4.33*	
		For >75 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-4.60*	
		For >200, Deduct	*-6.76*	
		For Tan Or Gray Color, Add	*2.74*	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	57.14	4.51
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	61.25	5.04
07 54 23 00-0013	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	121.48	5.56
07 54 23 00-0014	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	23.84	3.07
07 54 23 00-0015	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	6.82	0.80
07 54 23 00-0016	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	4.65	0.80
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	10.90	0.80

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene/Hypalon (CSM/CR) Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene/Hypalon (CSM/CR) Liquid Roofing	673.83	70.91
		For Each Additional Coat, Add	*101.07*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	876.92	74.72
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	982.39	83.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0006		**Silicone Elastomeric Liquid Roofing** *(07 56)*		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	404.67	42.81
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	446.17	42.81
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	477.38	42.81
07 56 00 00-0010		**Elastomeric Asphalt/Urethane Liquid Roofing Membrane** *(07 56)*		
07 56 00 00-0011	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,943.39	42.81
07 56 00 00-0012		**Urethane Liquid Roofing Membrane** *(07 56)* Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	98.71	
07 56 00 00-0014	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	2.95	
07 56 00 00-0015	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	379.79	
07 56 00 00-0016	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	93.00	
07 56 00 00-0017	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	958.76	
07 56 00 00-0018	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,463.27	
07 56 00 00-0019	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	992.40	
07 56 00 00-0020	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	244.99	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		**Sprayed Polyurethane Foam Roofing Systems** *(07 57 13)*		
07 57 13 00-0002		**Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0003		**Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	303.26	25.88
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	377.39	27.74
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	451.51	29.59
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	533.77	31.43
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	616.01	33.28
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	682.02	35.13
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	748.03	36.98
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	822.17	38.83
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	896.30	40.68
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	970.42	42.53
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,044.55	44.37
07 57 13 00-0015		**Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	315.89	25.88
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	390.03	27.74
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	464.15	29.59
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	538.28	31.43
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	612.40	33.28
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	686.54	35.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	760.67	36.98
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	834.80	38.83
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	908.93	40.68
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	983.06	42.53
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,057.19	44.37

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	346.58	25.88
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	418.00	27.74
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	489.42	29.59
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	563.55	31.43
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	637.67	33.28
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	745.55	35.13
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	853.43	36.98
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	934.43	38.83
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,015.42	40.68
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,096.40	42.53
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,177.39	44.37

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	355.60	25.88
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	436.59	27.74
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	517.57	29.59
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	598.56	31.43
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	679.54	33.28
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	760.53	35.13
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	841.52	36.98
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	922.51	38.83
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,003.50	40.68
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,084.48	42.53
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,165.48	44.37

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	373.47	25.88
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	454.46	27.74
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	535.44	29.59
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	616.43	31.43
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	697.41	33.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	778.40	35.13
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	859.39	36.98
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	940.38	38.83
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,021.37	40.68
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,102.35	42.53
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,183.34	44.37

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	387.36	25.88
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	468.35	27.74
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	549.33	29.59
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	630.33	31.43
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	711.31	33.28
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	792.30	35.13
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	873.29	36.98
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	954.28	38.83
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,035.27	40.68
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,116.25	42.53
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,197.24	44.37

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	241.78	16.52

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	3.49	0.76

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	29.42	1.79
		For Steep Roof, Over 6 To 12, Add	*1.07*	
		For 140 MPH Wind Load, Add	*0.87*	
		For Panels <16" Wide, Add	*2.13*	
		For Up To 1,500, Add	*7.36*	
		For >1,500 To 5,000, Add	*4.41*	
		For >5,000 To 10,000, Add	*0.74*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	32.24	1.94
		For Steep Roof, Over 6 To 12, Add	*1.16*	
		For 140 MPH Wind Load, Add	*0.95*	
		For Panels <16" Wide, Add	*2.33*	
		For Up To 1,500, Add	*8.06*	
		For >1,500 To 5,000, Add	*4.84*	
		For >5,000 To 10,000, Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	38.28	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.10*	
		For Panels <16" Wide, Add	*2.70*	
		For Up To 1,500, Add	*9.57*	
		For >1,500 To 5,000, Add	*5.74*	
		For >5,000 To 10,000, Add	*0.96*	
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	34.64	1.94
		For Steep Roof, Over 6 To 12, Add	*1.16*	
		For 140 MPH Wind Load, Add	*1.00*	
		For Panels <16" Wide, Add	*2.45*	
		For Up To 1,500, Add	*8.66*	
		For >1,500 To 5,000, Add	*5.20*	
		For >5,000 To 10,000, Add	*0.87*	
		For Tin/Copper, Deduct	*-0.62*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	42.49	2.02
		For Steep Roof, Over 6 To 12, Add	*1.21*	
		For 140 MPH Wind Load, Add	*1.17*	
		For Panels <16" Wide, Add	*2.87*	
		For Up To 1,500, Add	*10.62*	
		For >1,500 To 5,000, Add	*6.37*	
		For >5,000 To 10,000, Add	*1.06*	
		For Tin/Copper, Deduct	*-0.77*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	48.62	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.31*	
		For Panels <16" Wide, Add	*3.21*	
		For Up To 1,500, Add	*12.16*	
		For >1,500 To 5,000, Add	*7.29*	
		For >5,000 To 10,000, Add	*1.22*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	61.67	2.22
		For Steep Roof, Over 6 To 12, Add	*1.33*	
		For 140 MPH Wind Load, Add	*1.59*	
		For Panels <16" Wide, Add	*3.90*	
		For Up To 1,500, Add	*15.42*	
		For >1,500 To 5,000, Add	*9.25*	
		For >5,000 To 10,000, Add	*1.54*	
		For Tin/Copper, Deduct	*-1.15*	
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	128.28	3.70
		For Steep Roof, Over 6 To 12, Add	*2.77*	
		For 140 MPH Wind Load, Add	*3.30*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	70.63	3.70
		For Steep Roof, Over 6 To 12, Add	*2.77*	
		For 140 MPH Wind Load, Add	*2.15*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	182.80	3.70
		For Steep Roof, Over 6 To 12, Add	*2.77*	
		For 140 MPH Wind Load, Add	*4.39*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	132.59	3.70
		For Steep Roof, Over 6 To 12, Add	*2.77*	
		For 140 MPH Wind Load, Add	*3.39*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	36.37	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.07*	
		For Panels <16" Wide, Add	*2.60*	
		For Up To 1,500, Add	*9.09*	
		For >1,500 To 5,000, Add	*5.46*	
		For >5,000 To 10,000, Add	*0.91*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	40.37	2.22
		For Steep Roof, Over 6 To 12, Add	*1.33*	
		For 140 MPH Wind Load, Add	*1.16*	
		For Panels <16" Wide, Add	*2.84*	
		For Up To 1,500, Add	*10.09*	
		For >1,500 To 5,000, Add	*6.06*	
		For >5,000 To 10,000, Add	*1.01*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	47.52	2.32
		For Steep Roof, Over 6 To 12, Add	*1.40*	
		For 140 MPH Wind Load, Add	*1.32*	
		For Panels <16" Wide, Add	*3.24*	
		For Up To 1,500, Add	*11.88*	
		For >1,500 To 5,000, Add	*7.13*	
		For >5,000 To 10,000, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0006		**Zinc/Copper Batten Seam Concealed Fastener Roofing** *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	37.29	1.94
		For Steep Roof, Over 6 To 12, Add	*1.16*	
		For 140 MPH Wind Load, Add	*1.06*	
		For Panels <16" Wide, Add	*2.58*	
		For Up To 1,500, Add	*9.32*	
		For >1,500 To 5,000, Add	*5.59*	
		For >5,000 To 10,000, Add	*0.93*	
		For Tin/Copper, Deduct	*-0.67*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	46.28	2.02
		For Steep Roof, Over 6 To 12, Add	*1.21*	
		For 140 MPH Wind Load, Add	*1.25*	
		For Panels <16" Wide, Add	*3.06*	
		For Up To 1,500, Add	*11.57*	
		For >1,500 To 5,000, Add	*6.94*	
		For >5,000 To 10,000, Add	*1.16*	
		For Tin/Copper, Deduct	*-0.84*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	52.15	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.38*	
		For Panels <16" Wide, Add	*3.39*	
		For Up To 1,500, Add	*13.04*	
		For >1,500 To 5,000, Add	*7.82*	
		For >5,000 To 10,000, Add	*1.30*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	66.21	2.22
		For Steep Roof, Over 6 To 12, Add	*1.33*	
		For 140 MPH Wind Load, Add	*1.68*	
		For Panels <16" Wide, Add	*4.13*	
		For Up To 1,500, Add	*16.55*	
		For >1,500 To 5,000, Add	*9.93*	
		For >5,000 To 10,000, Add	*1.66*	
		For Tin/Copper, Deduct	*-1.24*	
07 61 19		**Flat Seam Sheet Metal Roofing** *(07 61)*		
07 61 19 00-0001		Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*		
07 61 19 00-0002		Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*		
07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	27.58	1.94
		For Steep Roof, Over 6 To 12, Add	*1.16*	
		For 140 MPH Wind Load, Add	*0.86*	
		For Panels <16" Wide, Add	*2.09*	
		For Up To 1,500, Add	*6.90*	
		For >1,500 To 5,000, Add	*4.14*	
		For >5,000 To 10,000, Add	*0.69*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	30.52	2.02
		For Steep Roof, Over 6 To 12, Add	*1.21*	
		For 140 MPH Wind Load, Add	*0.93*	
		For Panels <16" Wide, Add	*2.27*	
		For Up To 1,500, Add	*7.63*	
		For >1,500 To 5,000, Add	*4.58*	
		For >5,000 To 10,000, Add	*0.76*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	35.75	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.05*	
		For Panels <16" Wide, Add	*2.57*	
		For Up To 1,500, Add	*8.94*	
		For >1,500 To 5,000, Add	*5.36*	
		For >5,000 To 10,000, Add	*0.89*	
07 61 19 00-0006		**Zinc/Copper Flat Seam Concealed Fastener Roofing** *(07 61 19 00-0001)*		
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	32.24	1.94
		For Steep Roof, Over 6 To 12, Add	*1.16*	
		For 140 MPH Wind Load, Add	*0.95*	
		For Panels <16" Wide, Add	*2.33*	
		For Up To 1,500, Add	*8.06*	
		For >1,500 To 5,000, Add	*4.84*	
		For >5,000 To 10,000, Add	*0.81*	
		For Tin/Copper, Deduct	*-0.57*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	39.98	2.02
		For Steep Roof, Over 6 To 12, Add	*1.21*	
		For 140 MPH Wind Load, Add	*1.12*	
		For Panels <16" Wide, Add	*2.75*	
		For Up To 1,500, Add	*10.00*	
		For >1,500 To 5,000, Add	*6.00*	
		For >5,000 To 10,000, Add	*1.00*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	45.21	2.11
		For Steep Roof, Over 6 To 12, Add	*1.27*	
		For 140 MPH Wind Load, Add	*1.24*	
		For Panels <16" Wide, Add	*3.04*	
		For Up To 1,500, Add	*11.30*	
		For >1,500 To 5,000, Add	*6.78*	
		For >5,000 To 10,000, Add	*1.13*	
		For Tin/Copper, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	57.38	2.22
		For Steep Roof, Over 6 To 12, Add	*1.33*	
		For 140 MPH Wind Load, Add	*1.50*	
		For Panels <16" Wide, Add	*3.69*	
		For Up To 1,500, Add	*14.35*	
		For >1,500 To 5,000, Add	*8.61*	
		For >5,000 To 10,000, Add	*1.43*	
		For Tin/Copper, Deduct	*-1.06*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	20.05	2.98
		For Up To 100, Add	*5.01*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	27.76	2.98
		For Up To 100, Add	*6.94*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	23.47	2.92
		For Up To 100, Add	*5.87*	
		For >500 To 2,000, Deduct	*-3.17*	
		For >2,000, Deduct	*-4.05*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.15*	
		For Wrap Around Window Panning, Add	*5.77*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	24.17	2.98
		For Up To 100, Add	*6.04*	
		For >500 To 2,000, Deduct	*-3.26*	
		For >2,000, Deduct	*-4.17*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.21*	
		For Wrap Around Window Panning, Add	*6.03*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	28.09	3.19
		For Up To 100, Add	*7.02*	
		For >500 To 2,000, Deduct	*-3.78*	
		For >2,000, Deduct	*-4.87*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.26*	
		For Wrap Around Window Panning, Add	*6.32*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	35.66	3.32
		For Up To 100, Add	*8.92*	
		For >500 To 2,000, Deduct	*-4.77*	
		For >2,000, Deduct	*-6.22*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*1.33*	
		For Wrap Around Window Panning, Add	*6.64*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	7.67	1.59
		For Up To 100, Add	*1.92*	
		For Wrap Around Window Panning, Add	*4.09*	
		For Mechanically Keyed Flashing, Add	*1.43*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	8.63	1.79
		For Up To 100, Add	*2.16*	
		For Wrap Around Window Panning, Add	*4.16*	
		For Mechanically Keyed Flashing, Add	*1.79*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	9.59	1.99
		For Up To 100, Add	*2.40*	
		For Wrap Around Window Panning, Add	*4.23*	
		For Mechanically Keyed Flashing, Add	*2.14*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	11.07	2.19
		For Up To 100, Add	*2.77*	
		For Wrap Around Window Panning, Add	*4.37*	
		For Mechanically Keyed Flashing, Add	*2.68*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	13.54	2.32
		For Up To 100, Add	*3.39*	
		For Wrap Around Window Panning, Add	*4.61*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	14.96	2.43
		For Up To 100, Add	*3.74*	
		For Wrap Around Window Panning, Add	*4.88*	
		For Mechanically Keyed Flashing, Add	*4.03*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	16.08	2.59
		For Up To 100, Add	*4.02*	
		For Wrap Around Window Panning, Add	*5.16*	
		For Mechanically Keyed Flashing, Add	*4.37*	

07 62 13 00-0019 Aluminum Flashing And Trim *(07 62 13)*

07 62 13 00-0020 Aluminum Flashing And Trim *(07 62 13 00-0019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	8.89	2.06
		For Up To 100, Add	*2.22*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	9.83	2.06
		For Up To 100, Add	*2.46*	
		For Baked Aluminum Colors, Add	*0.53*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	10.58	2.06
		For Up To 100, Add	*2.65*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	11.66	2.06
		For Up To 100, Add	*2.92*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	13.17	2.06
		For Up To 100, Add	*3.29*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	14.10	2.06
		For Up To 100, Add	*3.53*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*4.57*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	14.85	2.06
		For Up To 100, Add	*3.71*	
		For Baked Aluminum Colors, Add	*1.03*	
		For Wrap Around Window Panning, Add	*4.57*	

07 62 13 00-0028 Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0029 Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*

07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	8.88	1.99
		For Up To 100, Add	*2.22*	
		For Wrap Around Window Panning, Add	*4.23*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	9.27	2.19
		For Up To 100, Add	*2.32*	
		For Wrap Around Window Panning, Add	*4.37*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	9.90	2.32
		For Up To 100, Add	*2.48*	
		For Wrap Around Window Panning, Add	*4.61*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	10.55	2.43
		For Up To 100, Add	*2.64*	
		For Wrap Around Window Panning, Add	*4.88*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	11.51	2.59
		For Up To 100, Add	*2.88*	
		For Wrap Around Window Panning, Add	*5.16*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001 Drip Edge *(07 62 19)*

07 62 19 00-0002 Aluminum Drip Edge *(07 62 19 00-0001)*
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0003 KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0004 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.72	0.84
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.89	0.89
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.88	1.00
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.61	1.05
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.03	1.11

07 62 19 00-0010 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.71	0.84
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.99	0.89
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.52	1.00
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.58	1.05
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.89	1.11

07 62 19 00-0016 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.70	0.84
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.31	0.89
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.11	1.00
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.56	1.05
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.52	1.11

07 62 19 00-0022 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.67	0.84
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.94	0.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.24	1.00
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.50	1.05
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.79	1.11
07 62 19 00-0028		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.33	0.84
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.93	0.89
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.28	1.00
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.82	1.05
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.54	1.11
07 62 19 00-0034		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.63	0.84
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.89	0.89
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.90	1.00
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.42	1.05
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.68	1.11
07 62 19 00-0040		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.92	0.84
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.27	0.89
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.11	1.00
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.00	1.05
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	52.46	1.11
07 62 19 00-0046		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.87	0.84
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.54	0.89
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.36	1.00
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	47.90	1.05
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	62.98	1.11
07 62 19 00-0052		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0053		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	8.17	0.84
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	10.42	0.89
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	11.86	1.00
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.50	1.05
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	18.98	1.11
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	8.85	0.84
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	11.18	0.89
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	13.00	1.00
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.86	1.05
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	20.27	1.11
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	9.53	0.84
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	12.09	0.89
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	14.09	1.00
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	17.23	1.05
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	22.08	1.11
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	10.89	0.84
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	13.90	0.89
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	16.25	1.00
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	19.95	1.05
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	25.71	1.11
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	11.35	0.84
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	14.58	0.89
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	16.97	1.00
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	20.86	1.05
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	26.92	1.11
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	12.94	0.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	16.62	0.89
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	19.46	1.00
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	24.03	1.05
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	31.16	1.11
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	15.20	0.84
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	19.65	0.89
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	23.06	1.00
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	28.57	1.05
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	37.21	1.11
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	17.93	0.84
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	23.28	0.89
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	27.37	1.00
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	34.01	1.05
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	44.47	1.11
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	11.22	0.84
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.57	0.89
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.66	1.00
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.60	1.05
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.39	1.11
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	12.26	0.84
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.73	0.89
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.40	1.00
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.69	1.05
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.37	1.11
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.31	0.84
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.12	0.89
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.08	1.00
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.78	1.05
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.16	1.11
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.40	0.84
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.91	0.89
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.40	1.00
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.96	1.05
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.74	1.11
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.10	0.84
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.96	0.89
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.50	1.00
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.36	1.05
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.59	1.11
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.54	0.84
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.10	0.89
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.34	1.00
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.24	1.05
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	46.10	1.11
07 62 19 00-0138		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.03	0.84
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.75	0.89
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.86	1.00
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	42.21	1.05
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	55.40	1.11
07 62 19 00-0144		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.21	0.84
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.33	0.89
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.48	1.00
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	50.58	1.05
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	66.56	1.11
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	10.06	0.84
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.86	0.89
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	14.93	1.00
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	18.29	1.05
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	23.50	1.11
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	11.20	0.84
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.38	0.89
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	16.73	1.00
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	20.57	1.05
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	26.51	1.11
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	13.47	0.84
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.43	0.89
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.33	1.00
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.09	1.05
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.57	1.11
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	15.11	0.84
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	19.63	0.89
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.93	1.00
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	28.38	1.05
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.96	1.11
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	19.74	0.84
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	25.70	0.89
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	30.24	1.00
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	37.65	1.05
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	49.31	1.11
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	25.17	0.84
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	32.94	0.89
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	38.86	1.00
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	48.50	1.05
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	63.79	1.11
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	31.56	0.84
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	41.45	0.89
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	48.97	1.00
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	61.27	1.05
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	80.82	1.11

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001		Lead Pipe Flashing For Roofs *(07 63)*		
		Note: Includes 6" skirt base.		
07 63 00 00-0002	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	73.25	19.81
07 63 00 00-0003	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	73.25	19.81
07 63 00 00-0004	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	92.10	19.81
07 63 00 00-0005	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	102.87	19.81
07 63 00 00-0006	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	108.25	19.81
07 63 00 00-0007	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	110.95	19.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0008	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	137.87	19.81
07 63 00 00-0009	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	149.99	19.81
07 63 00 00-0010		**Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing** *(07 63)*		
07 63 00 00-0011	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	58.40	12.81
07 63 00 00-0012	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	59.56	12.81
07 63 00 00-0013	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	63.76	12.81
07 63 00 00-0014	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	67.37	12.81
07 63 00 00-0015		**Pitch Pockets** *(07 63)*		
		Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0016		**24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** *(07 63 00 00-0015)*		
07 63 00 00-0017	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	83.06	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	103.87	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	129.53	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	142.02	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	154.48	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0022	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	184.17	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	
07 63 00 00-0023		**16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** *(07 63 00 00-0015)*		
07 63 00 00-0024	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	83.41	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0025	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	103.32	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0026	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	129.67	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0027	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	144.24	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0028	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	156.84	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0029	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	187.32	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	
07 63 00 00-0030		**24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets** *(07 63 00 00-0015)*		
07 63 00 00-0031	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	109.90	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	
07 63 00 00-0032	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	134.02	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0033	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	156.11	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0034	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	167.93	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0035	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	179.54	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0036	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	207.16	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	
07 63 00 00-0037		**Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout** *(07 63 00 00-0015)*		
		Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0038	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	40.93	
		For Pourable Sealer Filled, Add	*41.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0039	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	51.86	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0040	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	66.86	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0041	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	75.85	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0042	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	84.87	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0043	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	109.68	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	

07 64 Sheet Metal Wall Cladding *(07 60)*

07 64 19 Flat Seam Sheet Metal Wall Cladding *(07 64)*

See CSI section 05 75 00 00-0000 for metal wall cladding.

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	13.62	1.06

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Thick *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	6.30	1.49
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	9.50	1.60
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	12.85	1.76
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	16.30	1.99

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	28.42	4.57
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	34.16	5.11
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	38.51	5.51

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	33.87	1.19
		For Up To 25 LF, Add	*4.19*	
		For >25 To 100 LF, Add	*2.09*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	35.67	1.30
		For Up To 25 LF, Add	*4.43*	
		For >25 To 100 LF, Add	*2.22*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	40.89	1.37
		For Up To 25 LF, Add	*5.00*	
		For >25 To 100 LF, Add	*2.50*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	47.66	1.50
		For Up To 25 LF, Add	*5.77*	
		For >25 To 100 LF, Add	*2.88*	
		For >1,000 LF, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	58.04	1.56
		For Up To 25 LF, Add	*6.84*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.43	1.19
		For Up To 25 LF, Add	*3.44*	
		For >25 To 100 LF, Add	*1.72*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.18	1.30
		For Up To 25 LF, Add	*3.68*	
		For >25 To 100 LF, Add	*1.84*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.13	1.37
		For Up To 25 LF, Add	*4.23*	
		For >25 To 100 LF, Add	*2.11*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.79	1.50
		For Up To 25 LF, Add	*4.98*	
		For >25 To 100 LF, Add	*2.49*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	49.97	1.56
		For Up To 25 LF, Add	*6.04*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.88	1.19
		For Up To 25 LF, Add	*3.69*	
		For >25 To 100 LF, Add	*1.84*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.78	1.30
		For Up To 25 LF, Add	*3.94*	
		For >25 To 100 LF, Add	*1.97*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.21	1.37
		For Up To 25 LF, Add	*4.53*	
		For >25 To 100 LF, Add	*2.27*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.52	1.50
		For Up To 25 LF, Add	*5.35*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	54.71	1.56
		For Up To 25 LF, Add	*6.51*	
		For >25 To 100 LF, Add	*3.26*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.89	1.19
		For Up To 25 LF, Add	*3.89*	
		For >25 To 100 LF, Add	*1.94*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.10	1.30
		For Up To 25 LF, Add	*4.17*	
		For >25 To 100 LF, Add	*2.09*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	40.05	1.37
		For Up To 25 LF, Add	*4.92*	
		For >25 To 100 LF, Add	*2.46*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	50.39	1.50
		For Up To 25 LF, Add	*6.04*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	65.83	1.56
		For Up To 25 LF, Add	*7.62*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.26*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	37.43	1.19
		For Up To 25 LF, Add	*4.54*	
		For >25 To 100 LF, Add	*2.27*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.89	1.30
		For Up To 25 LF, Add	*4.85*	
		For >25 To 100 LF, Add	*2.43*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.01	1.37
		For Up To 25 LF, Add	*5.61*	
		For >25 To 100 LF, Add	*2.81*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	56.57	1.50
		For Up To 25 LF, Add	*6.66*	
		For >25 To 100 LF, Add	*3.33*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	71.29	1.56
		For Up To 25 LF, Add	*8.17*	
		For >25 To 100 LF, Add	*4.08*	
		For >1,000 LF, Deduct	*-0.26*	
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.97	1.19
		For Up To 25 LF, Add	*4.90*	
		For >25 To 100 LF, Add	*2.45*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.66	1.30
		For Up To 25 LF, Add	*5.23*	
		For >25 To 100 LF, Add	*2.62*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	51.48	1.37
		For Up To 25 LF, Add	*6.06*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	61.98	1.50
		For Up To 25 LF, Add	*7.20*	
		For >25 To 100 LF, Add	*3.60*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	78.16	1.56
		For Up To 25 LF, Add	*8.86*	
		For >25 To 100 LF, Add	*4.43*	
		For >1,000 LF, Deduct	*-0.26*	
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.88	1.19
		For Up To 25 LF, Add	*5.19*	
		For >25 To 100 LF, Add	*2.59*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.03	1.30
		For Up To 25 LF, Add	*5.57*	
		For >25 To 100 LF, Add	*2.78*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	57.04	1.37
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	71.95	1.50
		For Up To 25 LF, Add	*8.20*	
		For >25 To 100 LF, Add	*4.10*	
		For >1,000 LF, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	94.29	1.56
		For Up To 25 LF, Add	*10.47*	
		For >25 To 100 LF, Add	*5.23*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	39.55	1.19
		For Up To 25 LF, Add	*4.76*	
		For >25 To 100 LF, Add	*2.38*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.15	1.30
		For Up To 25 LF, Add	*5.08*	
		For >25 To 100 LF, Add	*2.54*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.69	1.37
		For Up To 25 LF, Add	*5.88*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	59.82	1.50
		For Up To 25 LF, Add	*6.98*	
		For >25 To 100 LF, Add	*3.49*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	75.41	1.56
		For Up To 25 LF, Add	*8.58*	
		For >25 To 100 LF, Add	*4.29*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.31	1.19
		For Up To 25 LF, Add	*5.13*	
		For >25 To 100 LF, Add	*2.57*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.15	1.30
		For Up To 25 LF, Add	*5.48*	
		For >25 To 100 LF, Add	*2.74*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	54.43	1.37
		For Up To 25 LF, Add	*6.36*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.23*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	65.55	1.50
		For Up To 25 LF, Add	*7.56*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	82.69	1.56
		For Up To 25 LF, Add	*9.31*	
		For >25 To 100 LF, Add	*4.65*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.40	1.19
		For Up To 25 LF, Add	*5.44*	
		For >25 To 100 LF, Add	*2.72*	
		For >1,000 LF, Deduct	*-0.20*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.72	1.30
		For Up To 25 LF, Add	*5.84*	
		For >25 To 100 LF, Add	*2.92*	
		For >1,000 LF, Deduct	*-0.22*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.33	1.37
		For Up To 25 LF, Add	*6.95*	
		For >25 To 100 LF, Add	*3.47*	
		For >1,000 LF, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	76.11	1.50
		For Up To 25 LF, Add	*8.61*	
		For >25 To 100 LF, Add	*4.31*	
		For >1,000 LF, Deduct	*-0.25*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	99.79	1.56
		For Up To 25 LF, Add	*11.02*	
		For >25 To 100 LF, Add	*5.51*	
		For >1,000 LF, Deduct	*-0.26*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	39.83	0.94
		For Up To 25 LF, Add	*5.10*	
		For >25 To 100 LF, Add	*2.55*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	40.63	1.11
		For Up To 25 LF, Add	*5.38*	
		For >25 To 100 LF, Add	*2.69*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	41.55	1.22
		For Up To 25 LF, Add	*5.64*	
		For >25 To 100 LF, Add	*2.82*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.56	0.94
		For Up To 25 LF, Add	*5.37*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.47	1.11
		For Up To 25 LF, Add	*5.66*	
		For >25 To 100 LF, Add	*2.83*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.55	1.22
		For Up To 25 LF, Add	*5.94*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.11	0.94
		For Up To 25 LF, Add	*5.72*	
		For >25 To 100 LF, Add	*2.86*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.88	1.11
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.33	1.22
		For Up To 25 LF, Add	*6.32*	
		For >25 To 100 LF, Add	*3.16*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.52	0.94
		For Up To 25 LF, Add	*5.96*	
		For >25 To 100 LF, Add	*2.98*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.38	1.11
		For Up To 25 LF, Add	*6.25*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.97	1.22
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	24.71	0.94
		For Up To 25 LF, Add	*3.58*	
		For >25 To 100 LF, Add	*1.79*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	26.27	1.11
		For Up To 25 LF, Add	*3.94*	
		For >25 To 100 LF, Add	*1.97*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	27.91	1.22
		For Up To 25 LF, Add	*4.28*	
		For >25 To 100 LF, Add	*2.14*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	26.98	0.94
		For Up To 25 LF, Add	*3.81*	
		For >25 To 100 LF, Add	*1.91*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	28.24	1.11
		For Up To 25 LF, Add	*4.14*	
		For >25 To 100 LF, Add	*2.07*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	29.42	1.22
		For Up To 25 LF, Add	*4.43*	
		For >25 To 100 LF, Add	*2.21*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	29.25	0.94
		For Up To 25 LF, Add	*4.04*	
		For >25 To 100 LF, Add	*2.02*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	30.50	1.11
		For Up To 25 LF, Add	*4.36*	
		For >25 To 100 LF, Add	*2.18*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	31.88	1.22
		For Up To 25 LF, Add	*4.67*	
		For >25 To 100 LF, Add	*2.34*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	31.71	0.94
		For Up To 25 LF, Add	*4.28*	
		For >25 To 100 LF, Add	*2.14*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	32.77	1.11
		For Up To 25 LF, Add	*4.59*	
		For >25 To 100 LF, Add	*2.29*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	33.70	1.22
		For Up To 25 LF, Add	*4.85*	
		For >25 To 100 LF, Add	*2.43*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	48.22	0.94
		For Up To 25 LF, Add	*5.93*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	49.38	1.11
		For Up To 25 LF, Add	*6.25*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.42	1.22
		For Up To 25 LF, Add	*6.53*	
		For >25 To 100 LF, Add	*3.26*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	51.50	0.94
		For Up To 25 LF, Add	*6.26*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.80	1.11
		For Up To 25 LF, Add	*6.59*	
		For >25 To 100 LF, Add	*3.30*	
		For >1,000 LF, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.00	1.22
		For Up To 25 LF, Add	*6.88*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.76	0.94
		For Up To 25 LF, Add	*6.69*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.88	1.11
		For Up To 25 LF, Add	*7.00*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.78	1.22
		For Up To 25 LF, Add	*7.26*	
		For >25 To 100 LF, Add	*3.63*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.66	0.94
		For Up To 25 LF, Add	*6.98*	
		For >25 To 100 LF, Add	*3.49*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.88	1.11
		For Up To 25 LF, Add	*7.30*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.90	1.22
		For Up To 25 LF, Add	*7.57*	
		For >25 To 100 LF, Add	*3.79*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	45.02	1.00
		For Up To 25 LF, Add	*5.72*	
		For >25 To 100 LF, Add	*2.86*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.38	1.19
		For Up To 25 LF, Add	*6.18*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.26	1.36
		For Up To 25 LF, Add	*6.67*	
		For >25 To 100 LF, Add	*3.33*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.74	1.00
		For Up To 25 LF, Add	*5.99*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.22	1.19
		For Up To 25 LF, Add	*6.46*	
		For >25 To 100 LF, Add	*3.23*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.26	1.36
		For Up To 25 LF, Add	*6.97*	
		For >25 To 100 LF, Add	*3.48*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.30	1.00
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.63	1.19
		For Up To 25 LF, Add	*6.80*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.04	1.36
		For Up To 25 LF, Add	*7.34*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*

07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.71	1.00
		For Up To 25 LF, Add	*6.59*	
		For >25 To 100 LF, Add	*3.30*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.13	1.19
		For Up To 25 LF, Add	*7.05*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.68	1.36
		For Up To 25 LF, Add	*7.61*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	31.99	1.00
		For Up To 25 LF, Add	*4.42*	
		For >25 To 100 LF, Add	*2.21*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.79	1.19
		For Up To 25 LF, Add	*4.82*	
		For >25 To 100 LF, Add	*2.41*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.05	1.36
		For Up To 25 LF, Add	*5.25*	
		For >25 To 100 LF, Add	*2.62*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.87	1.00
		For Up To 25 LF, Add	*4.61*	
		For >25 To 100 LF, Add	*2.30*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.75	1.19
		For Up To 25 LF, Add	*5.02*	
		For >25 To 100 LF, Add	*2.51*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.13	1.36
		For Up To 25 LF, Add	*5.45*	
		For >25 To 100 LF, Add	*2.73*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.32	1.00
		For Up To 25 LF, Add	*4.85*	
		For >25 To 100 LF, Add	*2.43*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.10	1.19
		For Up To 25 LF, Add	*5.25*	
		For >25 To 100 LF, Add	*2.63*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.59	1.36
		For Up To 25 LF, Add	*5.70*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.99	1.00
		For Up To 25 LF, Add	*5.02*	
		For >25 To 100 LF, Add	*2.51*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.83	1.19
		For Up To 25 LF, Add	*5.42*	
		For >25 To 100 LF, Add	*2.71*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.41	1.36
		For Up To 25 LF, Add	*5.88*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	53.41	1.00
		For Up To 25 LF, Add	*6.56*	
		For >25 To 100 LF, Add	*3.28*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.13	1.19
		For Up To 25 LF, Add	*7.05*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.13	1.36
		For Up To 25 LF, Add	*7.55*	
		For >25 To 100 LF, Add	*3.78*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	56.68	1.00
		For Up To 25 LF, Add	*6.89*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.55	1.19
		For Up To 25 LF, Add	*7.40*	
		For >25 To 100 LF, Add	*3.70*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.71	1.36
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.96*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	60.95	1.00
		For Up To 25 LF, Add	*7.32*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.63	1.19
		For Up To 25 LF, Add	*7.80*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.49	1.36
		For Up To 25 LF, Add	*8.29*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	63.84	1.00
		For Up To 25 LF, Add	*7.60*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.63	1.19
		For Up To 25 LF, Add	*8.10*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.61	1.36
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.41*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	38.01	0.94
		For Up To 25 LF, Add	*4.91*	
		For >25 To 100 LF, Add	*2.46*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	50.43	1.11
		For Up To 25 LF, Add	*6.36*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	76.30	1.22
		For Up To 25 LF, Add	*9.11*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.37*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	48.23	0.94
		For Up To 25 LF, Add	*5.94*	
		For >25 To 100 LF, Add	*2.97*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	64.05	1.11
		For Up To 25 LF, Add	*7.72*	
		For >25 To 100 LF, Add	*3.86*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	96.73	1.22
		For Up To 25 LF, Add	*11.16*	
		For >25 To 100 LF, Add	*5.58*	
		For >1,000 LF, Deduct	*-0.37*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	59.08	0.94
		For Up To 25 LF, Add	*7.02*	
		For >25 To 100 LF, Add	*3.51*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	78.53	1.11
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	118.45	1.22
		For Up To 25 LF, Add	*13.33*	
		For >25 To 100 LF, Add	*6.66*	
		For >1,000 LF, Deduct	*-0.37*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	45.20	1.00
		For Up To 25 LF, Add	*5.74*	
		For >25 To 100 LF, Add	*2.87*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	59.80	1.19
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	88.40	1.36
		For Up To 25 LF, Add	*10.48*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.41*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	55.42	1.00
		For Up To 25 LF, Add	*6.76*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	73.42	1.19
		For Up To 25 LF, Add	*8.78*	
		For >25 To 100 LF, Add	*4.39*	
		For >1,000 LF, Deduct	*-0.36*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	108.83	1.36
		For Up To 25 LF, Add	*12.52*	
		For >25 To 100 LF, Add	*6.26*	
		For >1,000 LF, Deduct	*-0.41*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	66.27	1.00
		For Up To 25 LF, Add	*7.85*	
		For >25 To 100 LF, Add	*3.92*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	87.90	1.19
		For Up To 25 LF, Add	*10.23*	
		For >25 To 100 LF, Add	*5.12*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	130.55	1.36
		For Up To 25 LF, Add	*14.70*	
		For >25 To 100 LF, Add	*7.35*	
		For >1,000 LF, Deduct	*-0.41*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	36.23	0.94
		For Up To 25 LF, Add	*4.74*	
		For >25 To 100 LF, Add	*2.37*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	36.96	1.11
		For Up To 25 LF, Add	*5.01*	
		For >25 To 100 LF, Add	*2.50*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	38.05	1.22
		For Up To 25 LF, Add	*5.29*	
		For >25 To 100 LF, Add	*2.64*	
		For >1,000 LF, Deduct	*-0.37*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	41.57	1.00
		For Up To 25 LF, Add	*5.38*	
		For >25 To 100 LF, Add	*2.69*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	43.91	1.19
		For Up To 25 LF, Add	*5.83*	
		For >25 To 100 LF, Add	*2.92*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	47.03	1.36
		For Up To 25 LF, Add	*6.34*	
		For >25 To 100 LF, Add	*3.17*	
		For >1,000 LF, Deduct	*-0.41*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	63.08	0.94
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	72.09	1.11
		For Up To 25 LF, Add	*8.52*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	83.36	1.22
		For Up To 25 LF, Add	*9.82*	
		For >25 To 100 LF, Add	*4.91*	
		For >1,000 LF, Deduct	*-0.37*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	77.38	0.94
		For Up To 25 LF, Add	*8.85*	
		For >25 To 100 LF, Add	*4.43*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	89.57	1.11
		For Up To 25 LF, Add	*10.27*	
		For >25 To 100 LF, Add	*5.13*	
		For >1,000 LF, Deduct	*-0.33*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	102.43	1.22
		For Up To 25 LF, Add	*11.73*	
		For >25 To 100 LF, Add	*5.86*	
		For >1,000 LF, Deduct	*-0.37*	

07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	65.41	1.00
		For Up To 25 LF, Add	*7.76*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	75.11	1.19
		For Up To 25 LF, Add	*8.95*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	87.25	1.36
		For Up To 25 LF, Add	*10.37*	
		For >25 To 100 LF, Add	*5.18*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	79.71	1.00
		For Up To 25 LF, Add	*9.19*	
		For >25 To 100 LF, Add	*4.60*	
		For >1,000 LF, Deduct	*-0.31*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	92.60	1.19
		For Up To 25 LF, Add	*10.70*	
		For >25 To 100 LF, Add	*5.35*	
		For >1,000 LF, Deduct	*-0.36*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	106.32	1.36
		For Up To 25 LF, Add	*12.27*	
		For >25 To 100 LF, Add	*6.14*	
		For >1,000 LF, Deduct	*-0.41*	

07 71 19 00-0166 Fascia *(07 71 19)*

07 71 19 00-0167 Snap-On Cover Fascia *(07 71 19 00-0166)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*

07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*

07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*

07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	45.10	1.39
		For Up To 25 LF, Add	*5.62*	
		For >25 To 100 LF, Add	*2.81*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	51.05	1.44
		For Up To 25 LF, Add	*6.26*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.29*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	54.81	1.50
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.30*	

07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*

07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	334.61	1.94
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	357.75	1.94
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	372.28	1.94

07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	271.61	1.94
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	283.29	1.94
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	290.40	1.94
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.70	1.39
		For Up To 25 LF, Add	*3.28*	
		For >25 To 100 LF, Add	*1.64*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	24.80	1.44
		For Up To 25 LF, Add	*3.64*	
		For >25 To 100 LF, Add	*1.82*	
		For >1,000 LF, Deduct	*-0.29*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.37	1.50
		For Up To 25 LF, Add	*3.84*	
		For >25 To 100 LF, Add	*1.92*	
		For >1,000 LF, Deduct	*-0.30*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	22.94	1.39
		For Up To 25 LF, Add	*3.41*	
		For >25 To 100 LF, Add	*1.70*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.39	1.44
		For Up To 25 LF, Add	*3.80*	
		For >25 To 100 LF, Add	*1.90*	
		For >1,000 LF, Deduct	*-0.29*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.16	1.50
		For Up To 25 LF, Add	*4.02*	
		For >25 To 100 LF, Add	*2.01*	
		For >1,000 LF, Deduct	*-0.30*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	154.45	1.94
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	167.82	1.94
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	173.67	1.94
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	121.48	1.94
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	128.14	1.94
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	131.06	1.94
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.48	1.39
		For Up To 25 LF, Add	*3.66*	
		For >25 To 100 LF, Add	*1.83*	
		For >1,000 LF, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.18	1.44
		For Up To 25 LF, Add	*4.07*	
		For >25 To 100 LF, Add	*2.04*	
		For >1,000 LF, Deduct	*-0.29*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.05	1.50
		For Up To 25 LF, Add	*4.31*	
		For >25 To 100 LF, Add	*2.15*	
		For >1,000 LF, Deduct	*-0.30*	

07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*

07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.97	1.39
		For Up To 25 LF, Add	*3.81*	
		For >25 To 100 LF, Add	*1.90*	
		For >1,000 LF, Deduct	*-0.28*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.09	1.44
		For Up To 25 LF, Add	*4.27*	
		For >25 To 100 LF, Add	*2.13*	
		For >1,000 LF, Deduct	*-0.29*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.19	1.50
		For Up To 25 LF, Add	*4.52*	
		For >25 To 100 LF, Add	*2.26*	
		For >1,000 LF, Deduct	*-0.30*	

07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*

07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	192.09	1.94
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	208.81	1.94
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	216.12	1.94

07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*

07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	150.88	1.94
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	159.21	1.94
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	162.85	1.94

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts *(07 71 23)*

07 71 23 00-0002 Aluminum Gutters *(07 71 23 00-0001)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	7.19	2.45
		For Up To 100', Add	*1.33*	
		For >100' To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.41*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.41*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	8.26	2.59
		For Up To 100', Add	*1.46*	
		For >100' To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.43*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.80*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	7.64	2.45
		For Up To 100', Add	*1.37*	
		For >100' To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.41*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.62*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	8.84	2.59
		For Up To 100', Add	*1.52*	
		For >100' To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.43*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.07*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	19.41	2.72
		For Up To 100', Add	*2.63*	
		For >100' To 250', Add	*1.20*	
		For >1,000', Deduct	*-0.46*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	21.25	3.05
		For Up To 100', Add	*2.88*	
		For >100' To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.29*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	24.38	3.05
		For Up To 100', Add	*3.19*	
		For >100' To 250', Add	*1.47*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.70*	
07 71 23 00-0011		**Half Round Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	16.26	2.45
		For Up To 100', Add	*2.23*	
		For >100' To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.41*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.49*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	20.14	2.59
		For Up To 100', Add	*2.65*	
		For >100' To 250', Add	*1.22*	
		For >1,000', Deduct	*-0.43*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.15*	
07 71 23 00-0014		**Box Style Aluminum Gutters** *(07 71 23 00-0002)*		
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	16.37	3.05
		For Up To 100', Add	*2.39*	
		For >100' To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.10*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	16.42	3.05
		For Up To 100', Add	*2.40*	
		For >100' To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.12*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	19.56	3.25
		For Up To 100', Add	*2.76*	
		For >100' To 250', Add	*1.25*	
		For >1,000', Deduct	*-0.54*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.38*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	22.40	3.45
		For Up To 100', Add	*3.10*	
		For >100' To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.57*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.52*	
07 71 23 00-0019		**Aluminum Gutter End Caps** *(07 71 23 00-0001)*		
07 71 23 00-0020		**K-Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	2.41	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.49*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	3.30	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.89*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	8.70	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	10.35	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.06*	
07 71 23 00-0025		**Half Round, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	4.68	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.51*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	7.96	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.99*	
07 71 23 00-0028		**Box Style, Aluminum Gutter End Caps** *(07 71 23 00-0019)*		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	9.61	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.73*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	10.55	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.15*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	12.61	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.08*	
07 71 23 00-0032		**Aluminum Gutter Miters** *(07 71 23 00-0001)*		
		Note: Inside or outside miters.		
07 71 23 00-0033		**K-Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	15.34	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.89*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	22.11	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	79.56	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*32.37*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	86.49	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*35.24*	
07 71 23 00-0038		**Half Round, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	31.19	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*11.02*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	52.27	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.30*	
07 71 23 00-0041		**Box Style, Aluminum Gutter Miters** *(07 71 23 00-0032)*		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	63.54	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*25.37*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	97.55	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*40.46*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	106.07	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*44.06*	
07 71 23 00-0045		**Aluminum Gutter Wire Strainers** *(07 71 23 00-0001)*		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	13.24	1.66
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.41*	
		For 0.024" Thick, Add	*1.37*	
		For 0.027" Thick, Add	*2.84*	
		For 0.031" Thick, Add	*4.11*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	21.48	1.66
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 0.024" Thick, Add	*2.52*	
		For 0.027" Thick, Add	*5.23*	
		For 0.031" Thick, Add	*7.57*	
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	6.03	1.59
		For Up To 100', Add	*0.86*	
		For >100 To 250', Add	*0.39*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.94*	
		For 0.024" Thick, Add	*0.60*	
		For 0.027" Thick, Add	*1.25*	
		For 0.031" Thick, Add	*1.81*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	7.04	1.59
		For Up To 100', Add	*0.96*	
		For >100 To 250', Add	*0.44*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.39*	
		For 0.024" Thick, Add	*0.74*	
		For 0.027" Thick, Add	*1.54*	
		For 0.031" Thick, Add	*2.23*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	3.93	1.59
		For Up To 100', Add	*0.65*	
		For >100 To 250', Add	*0.28*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.99*	
		For 0.024" Thick, Add	*0.31*	
		For 0.027" Thick, Add	*0.64*	
		For 0.031" Thick, Add	*0.93*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	5.21	1.59
		For Up To 100', Add	*0.78*	
		For >100 To 250', Add	*0.35*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.57*	
		For 0.024" Thick, Add	*0.49*	
		For 0.027" Thick, Add	*1.01*	
		For 0.031" Thick, Add	*1.47*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	10.62	1.59
		For Up To 100', Add	*1.32*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.01*	
		For 0.024" Thick, Add	*1.25*	
		For 0.027" Thick, Add	*2.58*	
		For 0.031" Thick, Add	*3.74*	
07 71 23 00-0056		**Aluminum Devices** *(07 71 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	273.79	12.39
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*104.63*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	214.90	13.76
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*84.32*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	15.17	2.32
		For Up To 100', Add	*2.09*	
		For >100' To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.39*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	22.45	2.45
		For Up To 100', Add	*2.85*	
		For >100' To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.41*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	27.17	2.59
		For Up To 100', Add	*3.35*	
		For >100' To 250', Add	*1.57*	
		For >1,000', Deduct	*-0.43*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	29.06	2.45
		For Up To 100', Add	*3.51*	
		For >100' To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.41*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	36.53	2.59
		For Up To 100', Add	*4.29*	
		For >100' To 250', Add	*2.04*	
		For >1,000', Deduct	*-0.43*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	42.92	2.72
		For Up To 100', Add	*4.98*	
		For >100' To 250', Add	*2.38*	
		For >1,000', Deduct	*-0.46*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	47.74	3.05
		For Up To 100', Add	*5.53*	
		For >100' To 250', Add	*2.64*	
		For >1,000', Deduct	*-0.50*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	19.00	2.45
		For Up To 100', Add	*2.51*	
		For >100' To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.41*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	24.60	2.59
		For Up To 100', Add	*3.10*	
		For >100' To 250', Add	*1.44*	
		For >1,000', Deduct	*-0.43*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	42.90	2.72
		For Up To 100', Add	*4.98*	
		For >100' To 250', Add	*2.37*	
		For >1,000', Deduct	*-0.46*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	22.61	2.45
		For Up To 100', Add	*2.87*	
		For >100' To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.41*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	28.44	2.59
		For Up To 100', Add	*3.48*	
		For >100' To 250', Add	*1.63*	
		For >1,000', Deduct	*-0.43*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	45.24	2.72
		For Up To 100', Add	*5.21*	
		For >100' To 250', Add	*2.49*	
		For >1,000', Deduct	*-0.46*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	51.49	3.05
		For Up To 100', Add	*5.91*	
		For >100' To 250', Add	*2.83*	
		For >1,000', Deduct	*-0.50*	

07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	24.53	2.79
		For Up To 100', Add	*3.15*	
		For >100' To 250', Add	*1.46*	
		For >1,000', Deduct	*-0.46*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	26.63	3.05
		For Up To 100', Add	*3.42*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-0.50*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	32.94	3.25
		For Up To 100', Add	*4.10*	
		For >100' To 250', Add	*1.92*	
		For >1,000', Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	33.40	3.45
		For Up To 100', Add	*4.20*	
		For >100' To 250', Add	*1.96*	
		For >1,000', Deduct	*-0.57*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	28.06	2.79
		For Up To 100', Add	*3.50*	
		For >100' To 250', Add	*1.64*	
		For >1,000', Deduct	*-0.46*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	30.15	3.05
		For Up To 100', Add	*3.77*	
		For >100' To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.50*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	36.47	3.25
		For Up To 100', Add	*4.45*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-0.54*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	36.93	3.45
		For Up To 100', Add	*4.55*	
		For >100' To 250', Add	*2.13*	
		For >1,000', Deduct	*-0.57*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	5.22
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	5.66
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	6.09
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	17.64
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	21.69

07 71 23 00-0093 Half Round, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	6.50
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	7.42
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	11.65
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	36.81
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	43.63

07 71 23 00-0099 Box Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	13.31
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	14.01
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	14.72
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	16.13

07 71 23 00-0104 Copper Gutter Miters *(07 71 23 00-0059)*

Note: Inside or outside miters.

07 71 23 00-0105 K-Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	35.19
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	40.09
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	59.34
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	85.58
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	100.93

07 71 23 00-0111 Half Round, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	57.24
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	52.31
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	77.02
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	92.45
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	109.82

07 71 23 00-0117 Box Style, Copper Gutter Miters *(07 71 23 00-0104)*

07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	63.05
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	64.93
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	71.03
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	72.22
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	70.10
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	71.98
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	78.08
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	85.67

07 71 23 00-0126 Copper Gutter Wire Strainers *(07 71 23 00-0059)*

07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	18.26	1.66
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	23.13	1.66
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	39.02	1.66
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	52.85	1.66
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	64.44	1.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0132 Copper Downspouts *(07 71 23 00-0059)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0133 Round Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	24.08	1.59
		For Up To 100', Add	*2.67*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	16.45	1.59
		For Up To 100', Add	*1.90*	
		For >100 To 250', Add	*0.91*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	21.01	1.59
		For Up To 100', Add	*2.36*	
		For >100 To 250', Add	*1.14*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	34.22	1.59
		For Up To 100', Add	*3.68*	
		For >100 To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	44.30	1.59
		For Up To 100', Add	*4.69*	
		For >100 To 250', Add	*2.30*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	22.63	1.59
		For Up To 100', Add	*2.52*	
		For >100 To 250', Add	*1.22*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	29.68	1.59
		For Up To 100', Add	*3.23*	
		For >100 To 250', Add	*1.57*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	45.68	1.59
		For Up To 100', Add	*4.83*	
		For >100 To 250', Add	*2.37*	
		For >1,000', Deduct	*-0.17*	

07 71 23 00-0142 Square Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	11.07	1.59
		For Up To 100', Add	*1.37*	
		For >100 To 250', Add	*0.64*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	14.10	1.59
		For Up To 100', Add	*1.67*	
		For >100 To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	20.64	1.59
		For Up To 100', Add	*2.32*	
		For >100 To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	12.94	1.59
		For Up To 100', Add	*1.55*	
		For >100 To 250', Add	*0.73*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	16.72	1.59
		For Up To 100', Add	*1.93*	
		For >100 To 250', Add	*0.92*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	24.49	1.59
		For Up To 100', Add	*2.71*	
		For >100 To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.17*	

07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	16.92	1.59
		For Up To 100', Add	*1.95*	
		For >100 To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	21.69	1.59
		For Up To 100', Add	*2.43*	
		For >100 To 250', Add	*1.17*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	31.30	1.59
		For Up To 100', Add	*3.39*	
		For >100 To 250', Add	*1.65*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	19.88	1.59
		For Up To 100', Add	*2.25*	
		For >100 To 250', Add	*1.08*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	25.79	1.59
		For Up To 100', Add	*2.84*	
		For >100 To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	37.49	1.59
		For Up To 100', Add	*4.01*	
		For >100 To 250', Add	*1.96*	
		For >1,000', Deduct	*-0.17*	

07 71 23 00-0156 Copper Devices And Accessories *(07 71 23 00-0059)*

07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	168.57	12.39
07 71 23 00-0158	EA	Copper Leader/Conductor Head	269.87	13.76
07 71 23 00-0159	EA	Copper Eave Box	118.90	9.95

07 71 23 00-0160 Galvanized Steel Gutters And Downspouts *(07 71 23)*

07 71 23 00-0161 Galvanized Steel Gutters *(07 71 23 00-0160)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0162 K-Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	11.13	2.45
		For Up To 100', Add	*1.72*	
		For >100' To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.41*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.19*	
		For 24 Gauge, Add	*1.98*	
		For 22 Gauge, Add	*3.89*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	13.49	2.59
		For Up To 100', Add	*1.99*	
		For >100' To 250', Add	*0.89*	
		For >1,000', Deduct	*-0.43*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.16*	
		For 24 Gauge, Add	*2.59*	
		For 22 Gauge, Add	*5.08*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	33.00	2.72
		For Up To 100', Add	*3.99*	
		For >100' To 250', Add	*1.88*	
		For >1,000', Deduct	*-0.46*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.79*	
		For 24 Gauge, Add	*7.96*	
		For 22 Gauge, Add	*15.63*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	34.54	3.05
		For Up To 100', Add	*4.21*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.28*	
		For 24 Gauge, Add	*8.26*	
		For 22 Gauge, Add	*16.23*	

07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	18.44	2.45
		For Up To 100', Add	*2.45*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.41*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.48*	
		For 24 Gauge, Add	*4.03*	
		For 22 Gauge, Add	*7.91*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	24.25	2.59
		For Up To 100', Add	*3.06*	
		For >100' To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.43*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.00*	
		For 24 Gauge, Add	*5.60*	
		For 22 Gauge, Add	*11.00*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	68.29	2.72
		For Up To 100', Add	*7.52*	
		For >100' To 250', Add	*3.64*	
		For >1,000', Deduct	*-0.46*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*28.67*	
		For 24 Gauge, Add	*17.84*	
		For 22 Gauge, Add	*35.04*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	72.67	3.05
		For Up To 100', Add	*8.02*	
		For >100' To 250', Add	*3.89*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*30.43*	
		For 24 Gauge, Add	*18.94*	
		For 22 Gauge, Add	*37.20*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	22.29	2.79
		For Up To 100', Add	*2.93*	
		For >100' To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.46*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.94*	
		For 22 Gauge, Add	*3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	26.65	3.05
		For Up To 100', Add	*3.42*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-0.50*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.72*	
		For 22 Gauge, Add	*4.75*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	35.81	2.72
		For Up To 100', Add	*4.27*	
		For >100' To 250', Add	*2.02*	
		For >1,000', Deduct	*-0.46*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*14.05*	
		For 22 Gauge, Add	*6.87*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	39.03	3.45
		For Up To 100', Add	*4.76*	
		For >100' To 250', Add	*2.24*	
		For >1,000', Deduct	*-0.57*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*15.00*	
		For 22 Gauge, Add	*7.33*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	5.56	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.91*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	6.68	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.41*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.57	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.86*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.84	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.58*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	7.66	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.85*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	9.08	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.49*	
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.47	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.72*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	25.59	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.92*	

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	15.15	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.22*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	18.61	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.78*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	21.06	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.88*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	28.82	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.38*	

07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	35.43	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.93*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	62.14	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*24.74*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	104.30	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.50*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	117.78	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	

07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	51.67	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.24*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	58.55	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*23.12*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	182.34	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*78.62*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	192.59	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*82.99*	

07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	48.42	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*18.77*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	83.64	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*34.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	110.77	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*46.41*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	117.78	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	
07 71 23 00-0209		**Galvanized Steel Gutter Wire Strainers** *(07 71 23 00-0160)*		
07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	11.24	1.66
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.51*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	17.89	1.66
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.50*	
07 71 23 00-0212		**Galvanized Steel Downspouts** *(07 71 23 00-0160)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	6.89	1.59
		For Up To 100', Add	*0.95*	
		For >100 To 250', Add	*0.43*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.33*	
		For 24 Gauge, Add	*1.45*	
		For 22 Gauge, Add	*2.84*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	9.10	1.59
		For Up To 100', Add	*1.17*	
		For >100 To 250', Add	*0.54*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
		For 24 Gauge, Add	*2.07*	
		For 22 Gauge, Add	*4.06*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	13.19	1.59
		For Up To 100', Add	*1.58*	
		For >100 To 250', Add	*0.75*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.16*	
		For 24 Gauge, Add	*3.21*	
		For 22 Gauge, Add	*6.31*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	32.06	1.59
		For Up To 100', Add	*3.46*	
		For >100 To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.65*	
		For 24 Gauge, Add	*8.50*	
		For 22 Gauge, Add	*16.69*	
07 71 23 00-0218		**Square Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	8.12	1.59
		For Up To 100', Add	*1.07*	
		For >100 To 250', Add	*0.49*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.88*	
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*3.52*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.03	1.59
		For Up To 100', Add	*1.36*	
		For >100 To 250', Add	*0.64*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.19*	
		For 24 Gauge, Add	*2.61*	
		For 22 Gauge, Add	*5.12*	
07 71 23 00-0221		**Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	7.06	1.59
		For Up To 100', Add	*0.96*	
		For >100 To 250', Add	*0.44*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.40*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.94*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	9.60	1.59
		For Up To 100', Add	*1.22*	
		For >100 To 250', Add	*0.57*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.55*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*4.33*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	19.75	1.59
		For Up To 100', Add	*2.23*	
		For >100 To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.17*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 24 Gauge, Add	*5.05*	
		For 22 Gauge, Add	*9.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0225		**Galvanized Steel Devices** *(07 71 23 00-0160)*		
07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	357.60	13.76
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*148.53*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	138.35	12.39
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.68*	
07 71 23 00-0228		**Stainless Steel Gutters And Downspouts** *(07 71 23)*		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0229		**Stainless Steel Gutters** *(07 71 23 00-0228)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230		**K-Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	34.62	2.45
		For Up To 100', Add	*4.07*	
		For >100' To 250', Add	*1.93*	
		For >1,000', Deduct	*-0.41*	
		For 316 Stainless Steel, Add	*11.62*	
		For 24 Gauge, Add	*10.09*	
		For 22 Gauge, Add	*20.18*	
		For 20 Gauge, Add	*30.26*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	42.47	2.59
		For Up To 100', Add	*4.88*	
		For >100' To 250', Add	*2.34*	
		For >1,000', Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.23*	
		For 20 Gauge, Add	*37.84*	
07 71 23 00-0233	LF	7", 26 Gauge, K-Style Stainless Steel Gutter	49.14	2.72
		For Up To 100', Add	*5.60*	
		For >100' To 250', Add	*2.69*	
		For >1,000', Deduct	*-0.46*	
		For 316 Stainless Steel, Add	*16.93*	
		For 24 Gauge, Add	*14.70*	
		For 22 Gauge, Add	*29.41*	
		For 20 Gauge, Add	*44.11*	
		For Seamless Gutter, Add	*-1.54*	
		For 28 Gauge, Deduct	*-7.58*	
07 71 23 00-0234	LF	8", 26 Gauge, K-Style Stainless Steel Gutter	55.21	3.05
		For Up To 100', Add	*6.28*	
		For >100' To 250', Add	*3.01*	
		For >1,000', Deduct	*-0.50*	
		For 316 Stainless Steel, Add	*19.06*	
		For 24 Gauge, Add	*16.56*	
		For 22 Gauge, Add	*33.11*	
		For 20 Gauge, Add	*49.67*	
		For 28 Gauge, Deduct	*-8.53*	
		For Elevated Installation >15' To 20', Add	*0.50*	
		For Elevated Installation >20' To 25', Add	*0.76*	
		For Elevated Installation >25' To 30', Add	*1.13*	
		For Elevated Installation >30', Add	*1.51*	
07 71 23 00-0235		**Half Round, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0236	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	50.33	2.45
		For Up To 100', Add	*5.64*	
		For >100' To 250', Add	*2.72*	
		For >1,000', Deduct	*-0.41*	
		For 316 Stainless Steel, Add	*17.59*	
		For 24 Gauge, Add	*15.27*	
		For 22 Gauge, Add	*30.54*	
		For 20 Gauge, Add	*45.82*	
07 71 23 00-0237	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	62.01	2.59
		For Up To 100', Add	*6.84*	
		For >100' To 250', Add	*3.31*	
		For >1,000', Deduct	*-0.43*	
		For 316 Stainless Steel, Add	*21.95*	
		For 24 Gauge, Add	*19.06*	
		For 22 Gauge, Add	*38.12*	
		For 20 Gauge, Add	*57.18*	
07 71 23 00-0238		**Box Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0239	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	48.23	2.79
		For Up To 100', Add	*5.52*	
		For >100' To 250', Add	*2.64*	
		For >1,000', Deduct	*-0.46*	
		For 316 Stainless Steel, Add	*16.56*	
		For 24 Gauge, Add	*14.38*	
		For 22 Gauge, Add	*28.77*	
		For 20 Gauge, Add	*43.15*	
		For Seamless Gutter, Add	*-1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0240	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	59.80	3.05
		For Up To 100', Add	*6.74*	
		For >100' To 250', Add	*3.24*	
		For >1,000', Deduct	*-0.50*	
		For 316 Stainless Steel, Add	*20.81*	
		For 24 Gauge, Add	*18.07*	
		For 22 Gauge, Add	*36.14*	
		For 20 Gauge, Add	*54.21*	
		For Seamless Gutter, Add	*-1.98*	
07 71 23 00-0241	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	71.55	3.25
		For Up To 100', Add	*7.96*	
		For >100' To 250', Add	*3.85*	
		For >1,000', Deduct	*-0.54*	
		For 316 Stainless Steel, Add	*25.14*	
		For 24 Gauge, Add	*21.84*	
		For 22 Gauge, Add	*43.67*	
		For 20 Gauge, Add	*65.51*	
		For Seamless Gutter, Add	*-2.50*	
07 71 23 00-0242	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	78.00	3.45
		For Up To 100', Add	*8.66*	
		For >100' To 250', Add	*4.19*	
		For >1,000', Deduct	*-0.57*	
		For 316 Stainless Steel, Add	*27.47*	
		For 24 Gauge, Add	*23.86*	
		For 22 Gauge, Add	*47.72*	
		For 20 Gauge, Add	*71.58*	
		For Seamless Gutter, Add	*-2.76*	

07 71 23 00-0243 Stainless Steel Gutter End Caps *(07 71 23 00-0228)*

07 71 23 00-0244 K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*

07 71 23 00-0245	EA	5", K-Style Stainless Steel Gutter End Cap	10.88	
		For 316 Stainless Steel, Add	*3.63*	
07 71 23 00-0246	EA	6", K-Style Stainless Steel Gutter End Cap	12.79	
		For 316 Stainless Steel, Add	*4.36*	
07 71 23 00-0247	EA	7", K-Style Stainless Steel Gutter End Cap	15.03	
		For 316 Stainless Steel, Add	*5.12*	
07 71 23 00-0248	EA	8", K-Style Stainless Steel Gutter End Cap	17.02	
		For 316 Stainless Steel, Add	*5.80*	
		For Elevated Installation >15' To 20', Add	*0.18*	
		For Elevated Installation >20' To 25', Add	*0.26*	
		For Elevated Installation >25' To 30', Add	*0.40*	
		For Elevated Installation >30', Add	*0.53*	

07 71 23 00-0249 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*

07 71 23 00-0250	EA	5", Half Round Stainless Steel Gutter End Cap	13.27	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0251	EA	6", Half Round Stainless Steel Gutter End Cap	15.66	
		For 316 Stainless Steel, Add	*5.45*	

07 71 23 00-0252 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*

07 71 23 00-0253	EA	5", Box Style Stainless Steel Gutter End Cap	13.61	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0254	EA	6", Box Style Stainless Steel Gutter End Cap	16.00	
		For 316 Stainless Steel, Add	*5.45*	
07 71 23 00-0255	EA	7", Box Style Stainless Steel Gutter End Cap	17.04	
		For 316 Stainless Steel, Add	*5.89*	
07 71 23 00-0256	EA	8", Box Style Stainless Steel Gutter End Cap	20.84	
		For 316 Stainless Steel, Add	*7.25*	

07 71 23 00-0257 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0258 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0259	EA	5", K-Style Stainless Steel Gutter Miter	56.10	
		For 316 Stainless Steel, Add	*18.77*	
07 71 23 00-0260	EA	6", K-Style Stainless Steel Gutter Miter	94.82	
		For 316 Stainless Steel, Add	*33.31*	

07 71 23 00-0261 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0262	EA	5", Half Round Stainless Steel Gutter Miter	151.72	
		For 316 Stainless Steel, Add	*55.11*	
07 71 23 00-0263	EA	6", Half Round Stainless Steel Gutter Miter	187.18	
		For 316 Stainless Steel, Add	*68.40*	

07 71 23 00-0264 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0265	EA	5", Box-Style Stainless Steel Gutter Miter	65.98	
		For 316 Stainless Steel, Add	*22.53*	
07 71 23 00-0266	EA	6", Box-Style Stainless Steel Gutter Miter	112.35	
		For 316 Stainless Steel, Add	*39.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0267	EA	7", Box-Style Stainless Steel Gutter Miter	130.34	
		For 316 Stainless Steel, Add	*46.63*	
07 71 23 00-0268	EA	8", Box-Style Stainless Steel Gutter Miter	148.41	
		For 316 Stainless Steel, Add	*53.29*	
07 71 23 00-0269		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0270	EA	3" Diameter, Round Stainless Steel Wire Strainer	45.39	1.66
07 71 23 00-0271	EA	4" Diameter, Round Stainless Steel Wire Strainer	46.53	1.66
07 71 23 00-0272		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0273		**Round Stainless Steel Downspouts** *(07 71 23 00-0272)*		
07 71 23 00-0274	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	21.47	1.59
		For Up To 100', Add	*2.41*	
		For >100 To 250', Add	*1.16*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*7.51*	
		For 24 Gauge, Add	*6.52*	
		For 22 Gauge, Add	*13.04*	
		For 20 Gauge, Add	*19.55*	
07 71 23 00-0275	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	29.13	1.59
		For Up To 100', Add	*3.17*	
		For >100 To 250', Add	*1.54*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*10.42*	
		For 24 Gauge, Add	*9.05*	
		For 22 Gauge, Add	*18.09*	
		For 20 Gauge, Add	*27.14*	
07 71 23 00-0276	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	43.60	1.59
		For Up To 100', Add	*4.62*	
		For >100 To 250', Add	*2.27*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*15.91*	
		For 24 Gauge, Add	*13.82*	
		For 22 Gauge, Add	*27.64*	
		For 20 Gauge, Add	*41.46*	
07 71 23 00-0277		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0272)*		
07 71 23 00-0278	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	22.04	1.59
		For Up To 100', Add	*2.46*	
		For >100 To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*7.72*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*13.41*	
		For 20 Gauge, Add	*20.12*	
07 71 23 00-0279	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	30.28	1.59
		For Up To 100', Add	*3.29*	
		For >100 To 250', Add	*1.60*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*10.85*	
		For 24 Gauge, Add	*9.42*	
		For 22 Gauge, Add	*18.85*	
		For 20 Gauge, Add	*28.27*	
07 71 23 00-0280	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	39.92	1.59
		For Up To 100', Add	*4.25*	
		For >100 To 250', Add	*2.08*	
		For >1,000', Deduct	*-0.17*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.21*	
		For 20 Gauge, Add	*37.82*	
07 71 23 00-0281	LF	5" x 6", 26 Gauge, Rectangular Stainless Steel Downspout	48.72	1.94
		For Up To 100', Add	*5.19*	
		For >100 To 250', Add	*2.54*	
		For >1,000', Deduct	*-0.21*	
		For 316 Stainless Steel, Add	*17.71*	
		For 24 Gauge, Add	*15.38*	
		For 22 Gauge, Add	*30.76*	
		For 20 Gauge, Add	*46.14*	
		For 28 Gauge, Deduct	*-7.92*	
		For 18 Gauge, Add	*77.37*	
07 71 23 00-0282	LF	6" x 7", 26 Gauge, Rectangular Stainless Steel Downspout	61.87	2.46
		For Up To 100', Add	*6.59*	
		For >100 To 250', Add	*3.23*	
		For >1,000', Deduct	*-0.27*	
		For 316 Stainless Steel, Add	*22.50*	
		For 24 Gauge, Add	*19.54*	
		For 22 Gauge, Add	*39.08*	
		For 20 Gauge, Add	*58.62*	
		For 28 Gauge, Deduct	*-10.07*	
		For 18 Gauge, Add	*98.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0283		**Stainless Steel Devices** *(07 71 23 00-0228)*		
07 71 23 00-0284	EA	Thru-Wall Stainless Steel Scupper Outlet	229.78	14.93
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0285	EA	Stainless Steel Leader/Conductor Head	495.27	14.93
		For 316 Stainless Steel, Add	*175.60*	
07 71 23 00-0286		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0287		**Vinyl Gutters** *(07 71 23 00-0286)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0288		**K-Style Vinyl Gutters** *(07 71 23 00-0287)*		
07 71 23 00-0289	LF	4", K-Style Vinyl Gutter	9.81	1.66
		For Up To 100', Add	*1.40*	
		For >100' To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0290	LF	5", K-Style Vinyl Gutter	13.44	1.66
		For Up To 100', Add	*1.76*	
		For >100' To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0291		**Half Round Vinyl Gutters** *(07 71 23 00-0287)*		
07 71 23 00-0292	LF	4", Half Round Vinyl Gutter	10.23	1.66
		For Up To 100', Add	*1.44*	
		For >100' To 250', Add	*0.65*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0293	LF	5", Half Round Vinyl Gutter	10.89	1.66
		For Up To 100', Add	*1.50*	
		For >100' To 250', Add	*0.68*	
		For >1,000', Deduct	*-0.28*	
07 71 23 00-0294		**Vinyl Gutter End Caps** *(07 71 23 00-0286)*		
07 71 23 00-0295		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0294)*		
07 71 23 00-0296	EA	4", K-Style Vinyl Gutter End Cap	6.43	
07 71 23 00-0297	EA	5", K-Style Vinyl Gutter End Cap	9.44	
07 71 23 00-0298		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0294)*		
07 71 23 00-0299	EA	4", Half Round Vinyl Gutter End Cap	7.54	
07 71 23 00-0300	EA	5", Half Round Vinyl Gutter End Cap	7.04	
07 71 23 00-0301		**Vinyl Gutter Miters** *(07 71 23 00-0286)*		
		Note: Inside or outside miters.		
07 71 23 00-0302		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0301)*		
07 71 23 00-0303	EA	4", K-Style Vinyl Gutter Miter	17.01	
07 71 23 00-0304	EA	5", K-Style Vinyl Gutter Miter	26.72	
07 71 23 00-0305		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0301)*		
07 71 23 00-0306	EA	4", Half Round Vinyl Gutter Miter	17.01	
07 71 23 00-0307	EA	5", Half Round Vinyl Gutter Miter	18.68	
07 71 23 00-0308		**Vinyl Downspouts** *(07 71 23 00-0286)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0309		**Round Vinyl Downspouts** *(07 71 23 00-0308)*		
07 71 23 00-0310	LF	2-1/2" Diameter, Round Vinyl Downspout	6.53	1.59
		For Up To 100', Add	*0.91*	
		For >100 To 250', Add	*0.41*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0311	LF	3" Diameter, Round Vinyl Downspout	6.88	1.59
		For Up To 100', Add	*0.95*	
		For >100 To 250', Add	*0.43*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0312		**Square Vinyl Downspouts** *(07 71 23 00-0308)*		
07 71 23 00-0313	LF	2-1/2", Square Vinyl Downspout	6.38	1.59
		For Up To 100', Add	*0.90*	
		For >100 To 250', Add	*0.41*	
		For >1,000', Deduct	*-0.17*	
07 71 23 00-0314		**Rectangular Vinyl Downspouts** *(07 71 23 00-0308)*		
07 71 23 00-0315	LF	2" x 3", Rectangular Vinyl Downspout	8.65	1.59
		For Up To 100', Add	*1.12*	
		For >100 To 250', Add	*0.52*	
		For >1,000', Deduct	*-0.17*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0316		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0317		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0316)*		
07 71 23 00-0318	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	354.25	2.39
07 71 23 00-0319	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	462.80	2.39
07 71 23 00-0320	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	553.05	2.39
07 71 23 00-0321		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0316)*		
07 71 23 00-0322	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	614.52	2.39
07 71 23 00-0323	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	751.50	2.39
07 71 23 00-0324	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,366.61	2.39
07 71 23 00-0325		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0326	EA	3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,206.88	18.75
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0327	EA	4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,219.38	25.00
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0328	EA	6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,296.92	30.93
		For Polished Brass Finish (-PB), Add	*123.50*	
		For Chrome Plated Finish (-CP), Add	*185.26*	
		For Vandal Proof (-U), Add	*61.75*	
07 71 23 00-0329	EA	8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,372.60	39.07
		For Polished Brass Finish (-PB), Add	*129.45*	
		For Chrome Plated Finish (-CP), Add	*194.17*	
		For Vandal Proof (-U), Add	*64.72*	
07 71 23 00-0330	EA	10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,466.00	48.13
		For Polished Brass Finish (-PB), Add	*136.98*	
		For Chrome Plated Finish (-CP), Add	*205.46*	
		For Vandal Proof (-U), Add	*68.49*	
07 71 23 00-0331	EA	12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,587.34	67.19
		For Polished Brass Finish (-PB), Add	*145.30*	
		For Chrome Plated Finish (-CP), Add	*217.94*	
		For Vandal Proof (-U), Add	*72.65*	
07 71 23 00-0332	EA	15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,721.91	93.44
		For Polished Brass Finish (-PB), Add	*153.50*	
		For Chrome Plated Finish (-CP), Add	*230.25*	
		For Vandal Proof (-U), Add	*76.75*	
07 71 23 00-0333		**Wall Mounted Downspout Nozzle** *(07 71 23)*		
07 71 23 00-0334	EA	3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	289.94	18.75
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0335	EA	4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	302.44	25.00
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0336	EA	6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	660.72	30.93
		For Nickel Bronze Finish (-NB), Add	*179.65*	
		For Polished Bronze Finish (-PB), Add	*101.80*	
		For Chrome Plated Finish (-CP), Add	*263.49*	
07 71 23 00-0337	EA	8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	987.15	39.07
		For Nickel Bronze Finish (-NB), Add	*154.53*	
		For Polished Bronze Finish (-PB), Add	*118.17*	
		For Chrome Plated Finish (-CP), Add	*263.62*	
07 71 23 00-0338	EA	10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,276.39	48.13
		For Nickel Bronze Finish (-NB), Add	*200.62*	
		For Polished Bronze Finish (-PB), Add	*153.42*	
		For Chrome Plated Finish (-CP), Add	*342.24*	
07 71 23 00-0339	EA	12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,619.03	67.19
		For Nickel Bronze Finish (-NB), Add	*252.39*	
		For Polished Bronze Finish (-PB), Add	*193.00*	
		For Chrome Plated Finish (-CP), Add	*430.55*	
07 71 23 00-0340		**Leaf Guards And Cleaning** *(07 71 23)*		
07 71 23 00-0341	LF	Aluminum Mesh Gutter Leaf Guard	3.64	0.41
		For Up To 100', Add	*0.49*	
		For >100' To 250', Add	*0.22*	
		For >1,000', Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0342	LF	Vinyl Mesh Gutter Leaf Guard	2.08	0.41
		For Up To 100', Add	*0.33*	
		For >100' To 250', Add	*0.15*	
		For >1,000', Deduct	*-0.08*	
07 71 23 00-0343	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	15.52	0.51
		For Up To 100', Add	*1.71*	
		For >100' To 250', Add	*0.83*	
		For >1,000', Deduct	*-0.11*	
07 71 23 00-0344	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	22.79	0.51
		For Up To 100', Add	*2.44*	
		For >100' To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.11*	
07 71 23 00-0345	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	11.78	0.51
		For Up To 100', Add	*1.30*	
		For >100' To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.08*	
07 71 23 00-0346	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	18.75	0.51
		For Up To 100', Add	*2.00*	
		For >100' To 250', Add	*0.98*	
		For >1,000', Deduct	*-0.08*	
07 71 23 00-0347	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	84.15	
07 71 23 00-0348	LF	Cleanout Roof Gutters And Downspouts	0.90	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.31	2.47
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.49	2.47
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	11.79	2.47
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	12.95	2.47
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	13.61	2.47
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	14.37	2.47

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	14.18	2.47
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	14.44	2.47
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	14.88	2.47
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	16.55	2.47
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	17.51	2.47
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	18.61	2.47

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	8.92	2.47
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	9.55	2.47
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	10.18	2.47
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	10.63	2.47
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.64	2.47
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	13.11	2.47

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.48	2.47
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.88	2.47
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.28	2.47
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.57	2.47
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.22	2.47
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.16	2.47

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	8.62	2.47
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.21	2.47
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.79	2.47
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.21	2.47
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.15	2.47
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.50	2.47

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	14.69	2.47
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	15.99	2.47
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	16.42	2.47

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0045		Copper Counter Flashing With Reglet *(07 71 26 00-0044)*		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	44.38	2.47

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)* Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	664.04	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*118.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	679.98	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	724.12	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*128.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	785.24	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*140.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	830.42	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,047.31	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	685.30	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*122.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	726.77	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	761.32	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*135.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	774.61	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,004.78	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,096.77	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	849.03	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	919.74	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	948.97	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,040.95	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,109.00	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,198.32	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	948.97	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,011.72	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.34	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.92	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,227.55	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	698.59	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	706.56	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	750.69	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*133.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	819.79	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	870.29	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,079.20	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	709.22	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*127.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	798.53	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*143.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	851.68	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	912.81	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,047.31	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,149.92	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	880.92	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	946.31	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	988.84	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,083.48	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,159.49	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,256.79	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	988.84	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,054.24	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,151.52	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,186.07	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,286.02	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	717.19	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*128.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	725.16	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*130.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	763.98	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	841.05	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	899.52	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,116.41	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	725.16	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*130.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	763.98	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	899.52	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	963.31	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,079.20	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,184.47	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	902.18	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	885.83	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,015.41	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,115.37	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,191.38	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,294.00	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,015.41	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,083.48	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,186.07	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,220.62	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,325.89	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	634.80	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	669.35	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*119.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	771.95	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	851.68	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	910.15	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.93	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	733.14	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*132.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	793.22	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*142.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	819.79	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	843.71	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,095.15	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,203.07	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	912.81	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	986.18	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,028.70	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,131.32	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,207.33	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,312.60	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,028.70	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,096.77	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,202.02	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,239.22	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,347.15	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	658.72	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*117.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	698.59	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	811.82	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	899.52	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	971.28	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,169.56	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	767.69	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	835.74	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	870.29	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	902.18	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.93	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,280.15	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*236.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	960.65	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,039.33	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,089.83	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,195.10	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,281.75	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,397.65	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,089.83	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,165.87	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,276.43	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,316.30	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.51	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*264.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	677.32	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	719.85	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	835.74	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	931.42	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,011.15	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,254.61	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	794.26	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*144.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	880.92	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	928.76	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	939.39	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,206.77	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,333.30	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	992.54	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	969.79	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,129.70	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,242.94	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,329.58	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,456.12	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,129.70	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,213.70	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,321.61	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,369.45	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,495.98	188.05
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	618.32	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.20*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	764.39	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.41*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	881.78	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.08*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	998.41	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.41*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,102.39	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.40*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	832.21	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.98*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,030.44	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,072.19	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.17*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,146.71	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.07*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,287.20	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.36*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,235.52	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*203.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*427.21*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,183.58	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.25*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,386.29	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.79*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,663.16	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*150.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.36*	

07 72 13 00-0167 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	473.11	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*32.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*80.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	522.89	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*88.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	581.89	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*100.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	575.08	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	590.97	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	665.71	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*115.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	586.43	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	686.13	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*119.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	758.45	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	645.28	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*110.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	708.68	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	803.84	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0182		2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	486.73	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*82.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	538.77	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	625.01	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	602.31	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*104.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	625.01	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	699.75	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*121.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	611.39	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	717.90	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	790.22	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	670.24	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*115.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	738.19	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*127.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	835.61	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*145.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	495.81	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*35.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*84.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	554.66	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*94.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	629.55	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	618.20	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*107.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	645.43	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	722.44	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	627.28	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*109.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	738.32	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	810.64	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*140.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	686.13	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*119.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	756.34	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*131.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	858.30	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	507.15	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	563.74	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*96.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	649.97	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*113.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	668.12	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*117.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	747.40	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*131.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	647.70	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*113.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	761.02	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	837.88	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*145.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	774.49	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*135.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	491.27	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*34.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*83.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	538.77	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*91.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	611.39	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	595.51	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*43.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*102.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	615.93	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*45.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*106.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	692.94	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*120.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	606.85	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*44.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*105.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	711.09	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*124.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	783.41	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	672.51	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*116.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	733.65	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	835.61	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*145.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	507.15	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*36.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*86.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	556.93	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*39.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	638.62	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*111.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	622.74	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*108.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	652.24	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*114.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	733.79	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*128.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	638.62	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*47.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*111.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	749.67	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*131.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	826.53	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*143.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	702.02	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*122.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	767.69	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*133.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	874.18	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0245		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	520.77	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*37.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*89.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	575.08	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*41.24*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*98.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	665.86	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*116.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	643.16	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*112.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	679.47	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*119.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	763.29	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	659.05	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*115.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	774.63	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*136.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	853.76	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	724.71	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	792.65	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	903.69	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	548.00	115.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*40.34*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*95.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	588.70	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*42.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*101.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	686.28	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*120.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	702.16	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*124.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	849.52	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	724.86	130.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*128.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	854.06	144.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	944.53	173.58
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	876.61	159.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*
Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	177.94	18.52
		For Curb Or Flange Base, Add	*174.79*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	216.28	20.51
		For Curb Or Flange Base, Add	*190.48*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	228.63	24.47
		For Curb Or Flange Base, Add	*205.91*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	479.03	27.12
		For Curb Or Flange Base, Add	*374.31*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	673.45	30.42
		For Curb Or Flange Base, Add	*402.21*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	820.24	33.07
		For Curb Or Flange Base, Add	*437.60*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,057.36	37.04
		For Curb Or Flange Base, Add	*546.64*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,769.34	49.60
		For Curb Or Flange Base, Add	*933.83*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	142.62	18.52
		For Curb Or Flange Base, Add	*156.42*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	180.73	20.51
		For Curb Or Flange Base, Add	*171.26*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	200.24	24.47
		For Curb Or Flange Base, Add	*185.64*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	379.09	27.12
		For Curb Or Flange Base, Add	*352.79*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	495.31	30.42
		For Curb Or Flange Base, Add	*373.90*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	634.13	33.07
		For Curb Or Flange Base, Add	*424.89*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	865.87	37.04
		For Curb Or Flange Base, Add	*519.31*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,297.09	49.60
		For Curb Or Flange Base, Add	*794.83*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*
Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	144.68	18.52
		For Curb Or Flange Base, Add	*174.79*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	197.25	20.51
		For Curb Or Flange Base, Add	*190.48*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	213.04	24.47
		For Curb Or Flange Base, Add	*205.91*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	393.68	27.12
		For Curb Or Flange Base, Add	*374.31*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	457.45	30.42
		For Curb Or Flange Base, Add	*402.21*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	667.60	33.07
		For Curb Or Flange Base, Add	*437.60*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	880.45	37.04
		For Curb Or Flange Base, Add	*546.64*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,284.03	49.60
		For Curb Or Flange Base, Add	*933.83*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	136.17	18.52
		For Curb Or Flange Base, Add	*156.42*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	184.59	20.51
		For Curb Or Flange Base, Add	*171.26*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	203.48	24.47
		For Curb Or Flange Base, Add	*185.64*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	348.71	27.12
		For Curb Or Flange Base, Add	*352.79*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	443.70	30.42
		For Curb Or Flange Base, Add	*373.90*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	550.25	33.07
		For Curb Or Flange Base, Add	*424.89*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	801.38	37.04
		For Curb Or Flange Base, Add	*519.31*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,214.65	49.60
		For Curb Or Flange Base, Add	*794.83*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*
Note: Includes flange base and bird screen. Excludes curb.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	258.16	29.76
		For Backdraft Damper, Add	*175.19*	
		For Curb Base, Add	*222.16*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	327.93	33.07
		For Backdraft Damper, Add	*191.68*	
		For Curb Base, Add	*242.54*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	365.08	39.69
		For Backdraft Damper, Add	*261.75*	
		For Curb Base, Add	*310.43*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	457.45	43.65
		For Backdraft Damper, Add	*298.85*	
		For Curb Base, Add	*362.70*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,362.78	59.53
		For Backdraft Damper, Add	*375.11*	
		For Curb Base, Add	*474.91*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,674.46	68.78
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*570.78*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,319.24	79.37
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*583.76*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,327.14	85.99
		For Backdraft Damper, Add	*463.74*	
		For Curb Base, Add	*600.11*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	4,868.84	92.60
		For Backdraft Damper, Add	*515.26*	
		For Curb Base, Add	*680.36*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	639.38	33.07
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	731.45	43.65
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,065.85	59.53
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,744.06	68.78

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	14.21	1.92
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	37.34	11.94
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	31.33	11.94

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	10.19	2.06

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	8.54	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	7.41	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	823.08	83.59
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	1,223.39	92.88
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	2,179.83	126.67
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	1,208.58	92.88
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,364.84	103.22
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,253.55	140.78

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	848.01	83.59
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,114.14	92.88
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,056.97	126.67
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,093.62	92.88
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	1,993.48	103.22
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,171.36	140.78
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,236.23	92.88

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	787.48	83.59
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,075.55	92.88
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	1,473.75	126.67
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	998.40	92.88
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,229.25	103.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,670.48	140.78
07 72 33 00-0023		**Stainless Steel** *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,019.74	83.59
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,948.68	92.88
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,978.50	126.67
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,744.53	92.88
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	10,247.31	103.22
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,420.70	140.78
07 72 33 00-0030		**Removal And Reinstallation Of Roof Hatch** *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	257.13	
07 72 33 00-0032		**Aluminum Cover And Galvanized Steel Curb** *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	819.47	92.88
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,085.60	103.22
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	1,982.75	140.72
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,070.79	95.78
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	1,930.68	106.13
07 72 33 00-0038		**Roof Hatch Accessories** *(07 72 33)*		
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	519.70	43.54
07 72 33 00-0040		**Roof Hatch Safety Railing** *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	1,906.98	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	1,976.74	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,032.96	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,222.89	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,440.94	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,180.41	
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		**Fire Vent** *(07 72 36)*		
07 72 36 00-0002		**Galvanized Steel Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,231.41	77.45
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,559.72	106.47
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,920.01	116.16
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,976.18	121.97
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,468.22	106.47
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,686.13	116.16
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,890.47	125.86
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,433.81	135.55
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,512.76	145.19
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,680.29	125.86
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,791.75	154.89
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,233.28	164.58
07 72 36 00-0015		**Aluminum Covers And Galvanized Steel Curb** *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	1,965.82	77.45
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,243.43	106.47
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,526.28	116.16
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,614.91	121.97
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,546.01	106.47
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,262.74	116.16
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,488.47	125.86
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,388.80	135.55
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,784.90	145.19
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,288.66	125.86
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,295.18	154.89
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,203.99	164.58
07 72 36 00-0028		**Aluminum Covers And Curb** *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,148.50	77.45
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,546.01	106.47
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	2,794.60	116.16
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,957.45	121.97
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,683.03	106.47
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,405.46	116.16
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,614.07	125.86
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,731.34	135.55
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,539.41	145.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,448.51	125.86
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,883.20	154.89
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,546.53	164.58
07 72 36 00-0041		Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,125.67	77.21
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,688.74	106.47
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,837.55	121.97
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,059.82	106.47
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,217.54	135.55

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001		Recycled Rubber Walkway Pads *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	9.55	1.36
		For Diamond Surface, Add	*1.20*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	10.83	1.64
		For Diamond Surface, Add	*1.39*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	12.01	1.64
		For Diamond Surface, Add	*1.55*	

07 72 53 Snow Guards *(07 72)*

07 72 53 00-0001		Snow Guards For Shingle And Tile Roofs *(07 72 53)*		
07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	22.51	1.38
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	24.99	1.38
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	23.35	1.38
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	11.88	1.38
07 72 53 00-0006		Snow Guards For Metal Roofs *(07 72 53)*		
		Note: Aluminum construction.		
07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	23.42	2.37
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	26.72	2.37
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	42.30	2.37
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	41.60	2.37
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	37.72	2.77
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	41.87	2.77
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	54.05	2.77
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	20.46	2.08
		For Mechanically Fastened, Add	*4.14*	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	23.88	2.08
		For Mechanically Fastened, Add	*4.14*	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	35.51	2.08
		For Mechanically Fastened, Add	*4.14*	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	8.55	2.08
		Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
		For Mechanically Fastened, Add	*5.53*	
07 72 53 00-0018		Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*		
07 72 53 00-0019		Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0018)*		
		Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0020	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	54.45	8.30
07 72 53 00-0021	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	69.04	8.30
07 72 53 00-0022	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	80.69	8.30
07 72 53 00-0023	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	105.74	8.30
07 72 53 00-0024	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	105.29	9.95
07 72 53 00-0025		Tubing For Snow Guard Clamps *(07 72 53 00-0018)*		
07 72 53 00-0026	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)	10.36	1.99
		Note: Includes end caps, collars and couplings.		
07 72 53 00-0027	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)	25.84	1.99
		Note: Includes end caps, collars and couplings.		

07 72 56 Snow/Ice Melt Cable *(07 72)*

07 72 56 00-0001		Self Regulating Heating Cable For Roofs And Gutters *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters	16.69	0.45
		Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters	18.05	0.45
		Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	144.81	33.34
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	114.62	24.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	5.03	1.33
		For >5, Deduct	*-0.27*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	4.83	1.33
		For >5, Deduct	*-0.25*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	56.63	3.33
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,032.91	26.68
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,430.63	33.34

07 72 63 Waste Containment Assemblies *(07 72)*

07 72 63 00-0001 Rooftop Oil And Grease Containment System *(07 72 63)*

07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*

07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	2,869.42	110.94
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,257.83	110.94
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,076.48	115.38
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,054.28	115.38
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,397.45	124.81
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,104.22	124.81
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	4,539.89	147.88
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	6,815.45	184.89
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	8,635.95	184.89
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,133.58	184.89

07 72 63 00-0013 Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*

07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	3,629.70	110.94
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,134.79	110.94
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,192.10	115.38
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,292.03	115.38
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	7,711.93	124.81
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,505.63	124.81
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	7,781.27	147.88
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	8,691.45	184.89
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,061.43	184.89
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,308.35	184.89

07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)*

Note: Includes removing old filters and installing new filters.

07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*

07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	246.97	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	357.99	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	524.48	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	474.53	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	918.56	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	929.65	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	702.10	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	924.11	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,373.69	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,823.26	

07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	532.81	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	721.53	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,065.66	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	982.38	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,931.48	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,942.57	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,420.85	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,937.03	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,863.93	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,829.69	

07 72 63 00-0049 Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	671.58	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	843.64	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,254.35	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,176.65	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,336.65	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,325.56	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,676.18	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,342.20	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,307.96	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,623.39	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	2.89	0.28
		For No Adhesive, Deduct	*-0.83*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	3.29	0.31
		For No Adhesive, Deduct	*-0.84*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	3.45	0.34
		For No Adhesive, Deduct	*-0.85*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	2.96	0.28
		For No Adhesive, Deduct	*-0.83*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	3.39	0.31
		For No Adhesive, Deduct	*-0.84*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	3.54	0.34
		For No Adhesive, Deduct	*-0.85*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0009		Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	2.60	0.28
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	3.02	0.31
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	3.17	0.34
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	2.66	0.28
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	3.11	0.31
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	3.26	0.34
07 73 00 00-0016		Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	2.72	0.28
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.66*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	3.12	0.31
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	3.27	0.34
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.73*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	2.78	0.28
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.66*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	3.21	0.31
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.35*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	3.36	0.34
		For Mechanically Fastened To Concrete, Add	*0.74*	
		For Mechanically Fastened To Gypsum, Add	*1.27*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.67*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*1.73*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*1.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.00*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*2.38*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*2.75*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	7.21	3.54
		For 1-1/2" Thickness, Deduct	*-0.72*	
		For 2-1/2" Thickness, Add	*0.85*	
		For 3" Thickness, Add	*1.70*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	6.54	2.68
		For 1-1/2" Thickness, Deduct	*-0.65*	
		For 2-1/2" Thickness, Add	*0.78*	
		For 3" Thickness, Add	*1.55*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	6.13	2.12
		For 1-1/2" Thickness, Deduct	*-0.61*	
		For 2-1/2" Thickness, Add	*0.73*	
		For 3" Thickness, Add	*1.46*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	5.86	1.85
		For 1-1/2" Thickness, Deduct	*-0.59*	
		For 2-1/2" Thickness, Add	*0.69*	
		For 3" Thickness, Add	*1.39*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	5.53	1.69
		For 1-1/2" Thickness, Deduct	*-0.55*	
		For 2-1/2" Thickness, Add	*0.66*	
		For 3" Thickness, Add	*1.31*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	23.02	0.55
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	23.57	0.55
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	24.13	0.55
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	13.43	0.55
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	9.89	0.55
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	10.22	0.55
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	5.99	0.55
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	6.72	0.55

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	5.14	
		For 20 Year Warranty, Deduct	*-0.38*	
		For 15 Year Warranty, Deduct	*-0.77*	
		For 10 Year Warranty, Deduct	*-1.04*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	6.99	
		For 20 Year Warranty, Deduct	*-0.54*	
		For 15 Year Warranty, Deduct	*-1.10*	
		For 10 Year Warranty, Deduct	*-1.48*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	8.18	
		For 20 Year Warranty, Deduct	*-0.63*	
		For 15 Year Warranty, Deduct	*-1.27*	
		For 10 Year Warranty, Deduct	*-1.72*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	10.06	
		For 20 Year Warranty, Deduct	*-0.79*	
		For 15 Year Warranty, Deduct	*-1.60*	
		For 10 Year Warranty, Deduct	*-2.16*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	1.51	0.39
		For >10,000, Deduct	*-0.11*	
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel/Beams, Per Inch Of Thickness	1.99	0.58
		For >10,000, Deduct	*-0.14*	
07 81 16 00-0004	SF	Monokote Fireproofing For Columns, Per Inch Of Thickness	2.19	0.58
		For >10,000, Deduct	*-0.15*	

07 81 16 00-0005 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0006	SF	Non-Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	3.35	0.37
		For >10,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0007	SF	Non-Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	3.55	0.37
		For >10,000, Deduct	*-0.32*	
07 81 16 00-0008	SF	Non-Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	3.79	0.37
		For >10,000, Deduct	*-0.33*	
07 81 16 00-0009	SF	Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	5.10	0.37
		For >10,000, Deduct	*-0.48*	
07 81 16 00-0010	SF	Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	5.30	0.37
		For >10,000, Deduct	*-0.49*	
07 81 16 00-0011	SF	Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	5.54	0.37
		For >10,000, Deduct	*-0.51*	

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.60	
		For >10,000, Deduct	*-1.73*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	28.78	
		For >10,000, Deduct	*-2.85*	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.03	
		For >10,000, Deduct	*-1.07*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	25.61	
		For >10,000, Deduct	*-2.53*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	59.26	
		For >10,000, Deduct	*-5.89*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	81.93	
		For >10,000, Deduct	*-8.15*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	104.64	
		For >10,000, Deduct	*-10.42*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	127.36	
		For >10,000, Deduct	*-12.69*	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.31	
		For >10,000, Deduct	*-2.30*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.11	
		For >10,000, Deduct	*-4.38*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	70.59	
		For >10,000, Deduct	*-7.02*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	98.95	
		For >10,000, Deduct	*-9.86*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	125.43	
		For >10,000, Deduct	*-12.50*	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*

Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.11	
		For >10,000, Deduct	*-1.09*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.11	
		For >10,000, Deduct	*-2.59*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	60.72	
		For >10,000, Deduct	*-6.05*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	84.04	
		For >10,000, Deduct	*-8.38*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	107.40	
		For >10,000, Deduct	*-10.71*	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001 Cellulose Fireproofing *(07 81 33)*

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.17	0.35

07 84 Firestopping *(07 80)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	52.46	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	77.05	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	136.87	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	112.96	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	209.80	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	398.38	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	256.53	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	234.80	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	243.05	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	33.97	7.54
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	43.07	7.54
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	50.76	8.29
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	84.29	9.42
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	461.82	11.30
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	599.59	12.44

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	126.73
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	137.88
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	312.08
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	186.93

07 84 13 16-0026 Intumescent Firestopping Wrap Strips *(07 84 13 16)*

07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.71

07 84 13 19 Penetration Firestopping Caulk *(07 84 13)*

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)*

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	10.50
		For Intumescent Sealant For Plastic Pipe, Add	*0.08*
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	13.40
		For Intumescent Sealant For Plastic Pipe, Add	*0.41*
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	13.14
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	12.71
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	16.12
		For Intumescent Sealant For Plastic Pipe, Add	*0.88*
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	15.85
		For Intumescent Sealant For Plastic Pipe, Add	*0.78*
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	15.42
		For Intumescent Sealant For Plastic Pipe, Add	*0.60*
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	14.75
		For Intumescent Sealant For Plastic Pipe, Add	*0.34*
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	14.17
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	20.20
		For Intumescent Sealant For Plastic Pipe, Add	*1.48*
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	19.94
		For Intumescent Sealant For Plastic Pipe, Add	*1.38*
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	19.50
		For Intumescent Sealant For Plastic Pipe, Add	*1.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	18.83	
		For Intumescent Sealant For Plastic Pipe, Add	*0.94*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	18.26	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	16.90	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.60	
		For Intumescent Sealant For Plastic Pipe, Add	*4.00*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.90	
		For Intumescent Sealant For Plastic Pipe, Add	*2.12*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.47	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	24.79	
		For Intumescent Sealant For Plastic Pipe, Add	*1.67*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	24.22	
		For Intumescent Sealant For Plastic Pipe, Add	*1.44*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	22.86	
		For Intumescent Sealant For Plastic Pipe, Add	*0.90*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	21.10	
		For Intumescent Sealant For Plastic Pipe, Add	*0.20*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.19	
		For Intumescent Sealant For Plastic Pipe, Add	*7.37*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	43.71	
		For Intumescent Sealant For Plastic Pipe, Add	*7.18*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.94	
		For Intumescent Sealant For Plastic Pipe, Add	*6.87*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	41.72	
		For Intumescent Sealant For Plastic Pipe, Add	*6.38*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.69	
		For Intumescent Sealant For Plastic Pipe, Add	*5.97*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.69	
		For Intumescent Sealant For Plastic Pipe, Add	*2.77*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.94	
		For Intumescent Sealant For Plastic Pipe, Add	*2.07*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.27	
		For Intumescent Sealant For Plastic Pipe, Add	*1.00*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	78.59	
		For Intumescent Sealant For Plastic Pipe, Add	*17.01*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	78.12	
		For Intumescent Sealant For Plastic Pipe, Add	*16.82*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	77.34	
		For Intumescent Sealant For Plastic Pipe, Add	*16.51*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.13	
		For Intumescent Sealant For Plastic Pipe, Add	*16.02*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	75.10	
		For Intumescent Sealant For Plastic Pipe, Add	*15.61*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.65	
		For Intumescent Sealant For Plastic Pipe, Add	*14.63*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	69.49	
		For Intumescent Sealant For Plastic Pipe, Add	*13.37*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	64.69	
		For Intumescent Sealant For Plastic Pipe, Add	*11.45*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.62	
		For Intumescent Sealant For Plastic Pipe, Add	*4.22*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	110.95	
		For Intumescent Sealant For Plastic Pipe, Add	*26.86*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	106.15	
		For Intumescent Sealant For Plastic Pipe, Add	*24.94*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	96.51	
		For Intumescent Sealant For Plastic Pipe, Add	*21.08*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.22	
		For Intumescent Sealant For Plastic Pipe, Add	*5.37*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	147.63	
		For Intumescent Sealant For Plastic Pipe, Add	*38.44*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	119.05	
		For Intumescent Sealant For Plastic Pipe, Add	*27.01*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	68.62	
		For Intumescent Sealant For Plastic Pipe, Add	*6.84*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	12.72
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	12.62
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	12.49
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.65
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.55
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.20	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	14.01	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	17.77	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	17.67	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	17.53	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	17.32	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	17.14	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	16.67	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.50	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.41	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.27	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	22.06	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	21.87	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	21.40	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	20.75	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.28	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.18	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.04	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	28.81	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	28.59	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	28.13	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	27.53	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.60	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.18	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.07	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.94	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.73	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.55	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.08	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	42.43	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	41.56	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.66	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.61	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.73	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	53.82	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	48.44	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.86	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	64.47	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.35	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	24.76	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	40.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	41.27	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	42.30	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	43.33	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	58.80	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	8.64	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	9.25	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	8.12	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	9.29	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	8.83	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	8.20	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	37.84	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	40.81	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	44.47	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	306.45	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	458.43	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	643.26	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	41.21	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	124.30	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	170.67	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

Note: Includes 7" depth of silicone foam barrier and 1" depth backer board

07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	27.31	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	70.74	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	137.75	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	221.73	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	329.15	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	458.79	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	241.44	46.38
		For Up To 6 CLF, Add	*14.63*	
		For >30 CLF, Deduct	*-17.19*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	292.63	46.38
		For Up To 4 CLF, Add	*18.47*	
		For >20 CLF, Deduct	*-22.31*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	348.94	47.93
		For Up To 3 CLF, Add	*22.56*	
		For >15 CLF, Deduct	*-27.68*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	374.52	47.93
		For Up To 2.5 CLF, Add	*24.48*	
		For >13 CLF, Deduct	*-30.24*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	451.27	47.93
		For Up To 2 CLF, Add	*30.24*	
		For >10 CLF, Deduct	*-37.91*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	528.01	47.93
		For Up To 1.5 CLF, Add	*35.99*	
		For >8 CLF, Deduct	*-45.59*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	609.90	49.98
		For Up To 1.3 CLF, Add	*42.01*	
		For >7 CLF, Deduct	*-53.52*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	558.74	49.98
		For Up To 1.4 CLF, Add	*38.17*	
		For >7.5 CLF, Deduct	*-48.40*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	666.23	51.53
		For Up To 1.15 CLF, Add	*46.10*	
		For >6 CLF, Deduct	*-58.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	768.55	51.53
		For Up To 1 CLF, Add	*53.78*	
		For >5 CLF, Deduct	*-69.13*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	876.03	53.08
		For Up To 0.8 CLF, Add	*61.71*	
		For >4.5 CLF, Deduct	*-79.62*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	983.50	55.14
		For Up To 0.75 CLF, Add	*69.64*	
		For >4 CLF, Deduct	*-90.11*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,090.99	56.68
		For Up To 0.65 CLF, Add	*77.57*	
		For >3.5 CLF, Deduct	*-100.60*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,413.41	61.84
		For Up To 0.5 CLF, Add	*101.37*	
		For >2.5 CLF, Deduct	*-132.07*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*184.19*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,843.33	68.54
		For Up To 0.4 CLF, Add	*133.10*	
		For >2 CLF, Deduct	*-174.03*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	255.69	46.38
		For Up To 6 CLF, Add	*15.70*	
		For >30 CLF, Deduct	*-18.61*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	313.97	46.38
		For Up To 4 CLF, Add	*20.07*	
		For >20 CLF, Deduct	*-24.44*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	377.39	47.93
		For Up To 3 CLF, Add	*24.70*	
		For >15 CLF, Deduct	*-30.52*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	406.53	47.93
		For Up To 2.5 CLF, Add	*26.88*	
		For >13 CLF, Deduct	*-33.44*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	493.95	47.93
		For Up To 2 CLF, Add	*33.44*	
		For >10 CLF, Deduct	*-42.18*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	581.36	47.93
		For Up To 1.5 CLF, Add	*39.99*	
		For >8 CLF, Deduct	*-50.92*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	673.93	49.98
		For Up To 1.3 CLF, Add	*46.81*	
		For >7 CLF, Deduct	*-59.92*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	615.65	49.98
		For Up To 1.4 CLF, Add	*42.44*	
		For >7.5 CLF, Deduct	*-54.09*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	737.36	51.53
		For Up To 1.15 CLF, Add	*51.44*	
		For >6 CLF, Deduct	*-66.01*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	853.91	51.53
		For Up To 1 CLF, Add	*60.18*	
		For >5 CLF, Deduct	*-77.66*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	975.62	53.08
		For Up To 0.8 CLF, Add	*69.18*	
		For >4.5 CLF, Deduct	*-89.57*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,097.32	55.14
		For Up To 0.75 CLF, Add	*78.18*	
		For >4 CLF, Deduct	*-101.49*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,219.03	56.68
		For Up To 0.65 CLF, Add	*87.18*	
		For >3.5 CLF, Deduct	*-113.40*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,584.14	61.84
		For Up To 0.5 CLF, Add	*114.17*	
		For >2.5 CLF, Deduct	*-149.14*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,070.96	68.54
		For Up To 0.4 CLF, Add	*150.17*	
		For >2 CLF, Deduct	*-196.79*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	199.43	46.38
		For Up To 6 CLF, Add	*11.48*	
		For >30 CLF, Deduct	*-12.99*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	229.57	46.38
		For Up To 4 CLF, Add	*13.74*	
		For >20 CLF, Deduct	*-16.00*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	264.86	47.93
		For Up To 3 CLF, Add	*16.26*	
		For >15 CLF, Deduct	*-19.27*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	279.93	47.93
		For Up To 2.5 CLF, Add	*17.39*	
		For >13 CLF, Deduct	*-20.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	325.15	47.93
		For Up To 2 CLF, Add	*20.78*	
		For >10 CLF, Deduct	*-25.30*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	370.36	47.93
		For Up To 1.5 CLF, Add	*24.17*	
		For >8 CLF, Deduct	*-29.82*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	420.73	49.98
		For Up To 1.3 CLF, Add	*27.82*	
		For >7 CLF, Deduct	*-34.60*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	390.58	49.98
		For Up To 1.4 CLF, Add	*25.56*	
		For >7.5 CLF, Deduct	*-31.59*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	456.03	51.53
		For Up To 1.15 CLF, Add	*30.34*	
		For >6 CLF, Deduct	*-37.87*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	516.31	51.53
		For Up To 1 CLF, Add	*34.86*	
		For >5 CLF, Deduct	*-43.90*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	581.75	53.08
		For Up To 0.8 CLF, Add	*39.64*	
		For >4.5 CLF, Deduct	*-50.19*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	647.19	55.14
		For Up To 0.75 CLF, Add	*44.42*	
		For >4 CLF, Deduct	*-56.47*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	712.63	56.68
		For Up To 0.65 CLF, Add	*49.20*	
		For >3.5 CLF, Deduct	*-62.76*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	908.94	61.84
		For Up To 0.5 CLF, Add	*63.53*	
		For >2.5 CLF, Deduct	*-81.62*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,170.69	68.54
		For Up To 0.4 CLF, Add	*82.65*	
		For >2 CLF, Deduct	*-106.76*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	9.08	
		For Work In Restricted Working Space, Add	*0.79*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	16.05	
		For Work In Restricted Working Space, Add	*0.79*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.	17.72	
		For Work In Restricted Working Space, Add	*0.79*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	12.10	5.68
		For Work In Restricted Working Space, Add	*2.28*	
		For >500 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.42*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	15.82	5.68
		For Work In Restricted Working Space, Add	*2.28*	
		For >500 To 5,000, Deduct	*-2.27*	
		For >5,000, Deduct	*-3.80*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	19.90	5.68
		For Work In Restricted Working Space, Add	*2.28*	
		For >500 To 5,000, Deduct	*-3.21*	
		For >5,000, Deduct	*-5.31*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	23.98	5.68
		For Work In Restricted Working Space, Add	*2.28*	
		For >500 To 5,000, Deduct	*-4.15*	
		For >5,000, Deduct	*-6.82*	

07 86 Smoke Seals *(07 80)*

07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) *(07 86)*
Note: Mildew Resistant; Mold Resistant

07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	213.09	46.38
		For Up To 6 CLF, Add	*12.50*	
		For >30 CLF, Deduct	*-14.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	250.09	46.38
		For Up To 4 CLF, Add	*15.28*	
		For >20 CLF, Deduct	*-18.05*	
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	292.21	47.93
		For Up To 3 CLF, Add	*18.31*	
		For >15 CLF, Deduct	*-22.01*	
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	310.70	47.93
		For Up To 2.5 CLF, Add	*19.70*	
		For >13 CLF, Deduct	*-23.86*	
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	366.18	47.93
		For Up To 2 CLF, Add	*23.86*	
		For >10 CLF, Deduct	*-29.40*	
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	421.65	47.93
		For Up To 1.5 CLF, Add	*28.02*	
		For >8 CLF, Deduct	*-34.95*	
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	482.27	49.98
		For Up To 1.3 CLF, Add	*32.43*	
		For >7 CLF, Deduct	*-40.76*	
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	445.29	49.98
		For Up To 1.4 CLF, Add	*29.66*	
		For >7.5 CLF, Deduct	*-37.06*	
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	524.41	51.53
		For Up To 1.15 CLF, Add	*35.47*	
		For >6 CLF, Deduct	*-44.71*	
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	598.37	51.53
		For Up To 1 CLF, Add	*41.01*	
		For >5 CLF, Deduct	*-52.11*	
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	677.49	53.08
		For Up To 0.8 CLF, Add	*46.82*	
		For >4.5 CLF, Deduct	*-59.76*	
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	756.60	55.14
		For Up To 0.75 CLF, Add	*52.62*	
		For >4 CLF, Deduct	*-67.42*	
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	835.72	56.68
		For Up To 0.65 CLF, Add	*58.43*	
		For >3.5 CLF, Deduct	*-75.07*	
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,073.06	61.84
		For Up To 0.5 CLF, Add	*75.84*	
		For >2.5 CLF, Deduct	*-98.03*	
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,389.52	68.54
		For Up To 0.4 CLF, Add	*99.06*	
		For >2 CLF, Deduct	*-128.65*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.24	0.27
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.35	0.27
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.57	0.27
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	2.04	0.27
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	2.15	0.33
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	2.53	0.33
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	3.61	0.33
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	4.64	0.38
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	5.71	0.44
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	8.48	0.50
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	19.70	0.61

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.57	0.33
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	5.07	0.93
		For Custom Match Coloring, Add	*0.24*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	6.59	0.99
		For Custom Match Coloring, Add	*0.38*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	7.70	1.04
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	11.64	1.92

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	226.42	63.53
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	393.92	91.78
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	299.17	78.67
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	368.22	82.58
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	559.99	127.06
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	662.65	137.63
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	672.50	100.08

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0015		**Closed Cell Polyvinyl Chloride** *(07 91 26)*		
07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	254.66	78.67
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	563.35	127.06
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	371.33	108.45
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	547.06	114.50
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	825.12	175.61
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,054.84	190.59
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,540.00	228.46
07 91 26 00-0023		**Silicon RTV Foam Penetration Seal** *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	112.33	12.61
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	224.66	25.16
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	335.60	37.38
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	484.55	50.37
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	112.33	12.61
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	335.38	37.27
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	608.75	55.99
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,216.54	111.59
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,357.24	201.44
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,576.35	314.68
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	5,056.61	503.50
07 91 26 00-0035		**Seals O-Ring Type Cord "J-Seal"** *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	2.38	0.72
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	2.53	0.72
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	2.68	0.78
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	2.85	0.84
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	3.09	0.89
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	3.27	0.89
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	3.48	0.94
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	3.63	0.94
07 91 33		**Expansion Joint Seal Systems** *(07 91)*		
07 91 33 00-0001		**Expansion Joint Seal Systems (Wabo®)** *(07 91 33)*		
07 91 33 00-0002		**Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal)** *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	83.94	3.29
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	117.55	3.45
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	153.04	3.61
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	192.62	3.77
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	255.19	3.93
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	295.46	4.08
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	345.61	4.24
07 91 33 00-0010		**Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal)** *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	34.05	3.29
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	38.57	3.34
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	50.22	3.38
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	54.10	3.45
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	58.85	3.50
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	76.24	3.55
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	98.28	3.61
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	119.02	3.77
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	136.63	3.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	25.55	3.29
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	37.79	3.45
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	49.80	3.61
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	53.27	3.69
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	60.89	3.77
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	95.51	3.93
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	138.53	4.08
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	33.40	1.31
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	58.78	1.36
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	90.59	1.42
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	115.29	1.47
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	153.07	1.52
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	203.95	1.57
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	251.16	1.62
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	340.41	1.68
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	398.20	1.73
07 91 33 00-0038		Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	32.48	1.31
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	44.08	1.36
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	60.49	1.42
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	83.58	1.47
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	95.86	1.52
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	134.79	1.57
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	182.69	1.62
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	197.50	1.68

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealants And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	182.73	46.38
		For Custom Match Coloring, Add	*10.46*	
		For Up To 6 CLF, Add	*10.23*	
		For >30 CLF, Deduct	*-11.32*	
		For 1 Part Mildew Resistant, Add	*15.26*	
		For High-Modulus Non-Acid Curing, Add	*8.72*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	204.53	46.38
		For Custom Match Coloring, Add	*15.69*	
		For Up To 4 CLF, Add	*11.86*	
		For >20 CLF, Deduct	*-13.50*	
		For 1 Part Mildew Resistant, Add	*22.89*	
		For High-Modulus Non-Acid Curing, Add	*13.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	231.47	47.93
		For Custom Match Coloring, Add	*20.92*	
		For Up To 3 CLF, Add	*13.75*	
		For >15 CLF, Deduct	*-15.93*	
		For 1 Part Mildew Resistant, Add	*30.51*	
		For High-Modulus Non-Acid Curing, Add	*17.44*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	242.37	47.93
		For Custom Match Coloring, Add	*23.54*	
		For Up To 2.5 CLF, Add	*14.57*	
		For >13 CLF, Deduct	*-17.02*	
		For 1 Part Mildew Resistant, Add	*34.33*	
		For High-Modulus Non-Acid Curing, Add	*19.62*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	275.06	47.93
		For Custom Match Coloring, Add	*31.38*	
		For Up To 2 CLF, Add	*17.02*	
		For >10 CLF, Deduct	*-20.29*	
		For 1 Part Mildew Resistant, Add	*45.77*	
		For High-Modulus Non-Acid Curing, Add	*26.15*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	307.75	47.93
		For Custom Match Coloring, Add	*39.23*	
		For Up To 1.5 CLF, Add	*19.47*	
		For >8 CLF, Deduct	*-23.56*	
		For 1 Part Mildew Resistant, Add	*57.21*	
		For High-Modulus Non-Acid Curing, Add	*32.69*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	345.59	49.98
		For Custom Match Coloring, Add	*47.08*	
		For Up To 1.3 CLF, Add	*22.18*	
		For >7 CLF, Deduct	*-27.09*	
		For 1 Part Mildew Resistant, Add	*68.65*	
		For High-Modulus Non-Acid Curing, Add	*39.23*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	323.80	49.98
		For Custom Match Coloring, Add	*41.85*	
		For Up To 1.4 CLF, Add	*20.55*	
		For >7.5 CLF, Deduct	*-24.91*	
		For 1 Part Mildew Resistant, Add	*61.03*	
		For High-Modulus Non-Acid Curing, Add	*34.87*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	372.55	51.53
		For Custom Match Coloring, Add	*52.31*	
		For Up To 1.15 CLF, Add	*24.08*	
		For >6 CLF, Deduct	*-29.53*	
		For 1 Part Mildew Resistant, Add	*76.28*	
		For High-Modulus Non-Acid Curing, Add	*43.59*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	416.14	51.53
		For Custom Match Coloring, Add	*62.77*	
		For Up To 1 CLF, Add	*27.35*	
		For >5 CLF, Deduct	*-33.88*	
		For 1 Part Mildew Resistant, Add	*91.54*	
		For High-Modulus Non-Acid Curing, Add	*52.31*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	464.88	53.08
		For Custom Match Coloring, Add	*73.23*	
		For Up To 0.8 CLF, Add	*30.87*	
		For >4.5 CLF, Deduct	*-38.50*	
		For 1 Part Mildew Resistant, Add	*106.80*	
		For High-Modulus Non-Acid Curing, Add	*61.03*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	513.62	55.14
		For Custom Match Coloring, Add	*83.69*	
		For Up To 0.75 CLF, Add	*34.40*	
		For >4 CLF, Deduct	*-43.12*	
		For 1 Part Mildew Resistant, Add	*122.05*	
		For High-Modulus Non-Acid Curing, Add	*69.74*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	562.37	56.68
		For Custom Match Coloring, Add	*94.15*	
		For Up To 0.65 CLF, Add	*37.93*	
		For >3.5 CLF, Deduct	*-47.73*	
		For 1 Part Mildew Resistant, Add	*137.31*	
		For High-Modulus Non-Acid Curing, Add	*78.46*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	708.59	61.84
		For Custom Match Coloring, Add	*125.54*	
		For Up To 0.5 CLF, Add	*48.51*	
		For >2.5 CLF, Deduct	*-61.58*	
		For 1 Part Mildew Resistant, Add	*183.08*	
		For High-Modulus Non-Acid Curing, Add	*104.62*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	903.56	68.54
		For Custom Match Coloring, Add	*167.39*	
		For Up To 0.4 CLF, Add	*62.61*	
		For >2 CLF, Deduct	*-80.05*	
		For 1 Part Mildew Resistant, Add	*244.10*	
		For High-Modulus Non-Acid Curing, Add	*139.49*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	154.43	46.38
		For Up To 6 CLF, Add	*8.10*	
		For >30 CLF, Deduct	*-8.49*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	162.08	46.38
		For Up To 4 CLF, Add	*8.68*	
		For >20 CLF, Deduct	*-9.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	174.88	47.93
		For Up To 3 CLF, Add	*9.51*	
		For >15 CLF, Deduct	*-10.27*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	178.70	47.93
		For Up To 2.5 CLF, Add	*9.80*	
		For >13 CLF, Deduct	*-10.66*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	190.17	47.93
		For Up To 2 CLF, Add	*10.66*	
		For >10 CLF, Deduct	*-11.80*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	201.64	47.93
		For Up To 1.5 CLF, Add	*11.52*	
		For >8 CLF, Deduct	*-12.95*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	218.26	49.98
		For Up To 1.3 CLF, Add	*12.63*	
		For >7 CLF, Deduct	*-14.35*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	210.61	49.98
		For Up To 1.4 CLF, Add	*12.06*	
		For >7.5 CLF, Deduct	*-13.59*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	231.06	51.53
		For Up To 1.15 CLF, Add	*13.46*	
		For >6 CLF, Deduct	*-15.38*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	246.36	51.53
		For Up To 1 CLF, Add	*14.61*	
		For >5 CLF, Deduct	*-16.91*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	266.80	53.08
		For Up To 0.8 CLF, Add	*16.02*	
		For >4.5 CLF, Deduct	*-18.69*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	287.24	55.14
		For Up To 0.75 CLF, Add	*17.42*	
		For >4 CLF, Deduct	*-20.48*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	307.69	56.68
		For Up To 0.65 CLF, Add	*18.83*	
		For >3.5 CLF, Deduct	*-22.27*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	369.02	61.84
		For Up To 0.5 CLF, Add	*23.04*	
		For >2.5 CLF, Deduct	*-27.63*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	450.80	68.54
		For Up To 0.4 CLF, Add	*28.66*	
		For >2 CLF, Deduct	*-34.77*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	172.57	46.38
		For Up To 6 CLF, Add	*9.46*	
		For >30 CLF, Deduct	*-10.30*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	189.29	46.38
		For Up To 4 CLF, Add	*10.72*	
		For >20 CLF, Deduct	*-11.97*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	211.15	47.93
		For Up To 3 CLF, Add	*12.23*	
		For >15 CLF, Deduct	*-13.90*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	219.51	47.93
		For Up To 2.5 CLF, Add	*12.86*	
		For >13 CLF, Deduct	*-14.74*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	244.59	47.93
		For Up To 2 CLF, Add	*14.74*	
		For >10 CLF, Deduct	*-17.24*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	269.66	47.93
		For Up To 1.5 CLF, Add	*16.62*	
		For >8 CLF, Deduct	*-19.75*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	299.88	49.98
		For Up To 1.3 CLF, Add	*18.76*	
		For >7 CLF, Deduct	*-22.52*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	283.17	49.98
		For Up To 1.4 CLF, Add	*17.50*	
		For >7.5 CLF, Deduct	*-20.85*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	321.76	51.53
		For Up To 1.15 CLF, Add	*20.27*	
		For >6 CLF, Deduct	*-24.45*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	355.19	51.53
		For Up To 1 CLF, Add	*22.77*	
		For >5 CLF, Deduct	*-27.79*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	393.77	53.08
		For Up To 0.8 CLF, Add	*25.54*	
		For >4.5 CLF, Deduct	*-31.39*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	432.36	55.14
		For Up To 0.75 CLF, Add	*28.30*	
		For >4 CLF, Deduct	*-34.99*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	470.95	56.68
		For Up To 0.65 CLF, Add	*31.07*	
		For >3.5 CLF, Deduct	*-38.59*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	586.69	61.84
		For Up To 0.5 CLF, Add	*39.36*	
		For >2.5 CLF, Deduct	*-49.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0048		**Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)* Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	175.74	46.38
		For Up To 6 CLF, Add	*9.70*	
		For >30 CLF, Deduct	*-10.62*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	194.06	46.38
		For Up To 4 CLF, Add	*11.08*	
		For >20 CLF, Deduct	*-12.45*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	217.52	47.93
		For Up To 3 CLF, Add	*12.71*	
		For >15 CLF, Deduct	*-14.54*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	226.67	47.93
		For Up To 2.5 CLF, Add	*13.39*	
		For >13 CLF, Deduct	*-15.45*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	254.14	47.93
		For Up To 2 CLF, Add	*15.45*	
		For >10 CLF, Deduct	*-18.20*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	281.59	47.93
		For Up To 1.5 CLF, Add	*17.51*	
		For >8 CLF, Deduct	*-20.94*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	314.19	49.98
		For Up To 1.3 CLF, Add	*19.83*	
		For >7 CLF, Deduct	*-23.95*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	295.89	49.98
		For Up To 1.4 CLF, Add	*18.46*	
		For >7.5 CLF, Deduct	*-22.12*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	337.67	51.53
		For Up To 1.15 CLF, Add	*21.46*	
		For >6 CLF, Deduct	*-26.04*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	374.28	51.53
		For Up To 1 CLF, Add	*24.21*	
		For >5 CLF, Deduct	*-29.70*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	416.05	53.08
		For Up To 0.8 CLF, Add	*27.21*	
		For >4.5 CLF, Deduct	*-33.62*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	457.80	55.14
		For Up To 0.75 CLF, Add	*30.21*	
		For >4 CLF, Deduct	*-37.54*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	499.58	56.68
		For Up To 0.65 CLF, Add	*33.22*	
		For >3.5 CLF, Deduct	*-41.46*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	624.86	61.84
		For Up To 0.5 CLF, Add	*42.23*	
		For >2.5 CLF, Deduct	*-53.21*	
07 92 13 00-0063		**Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)* Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	183.51	46.38
		For Up To 6 CLF, Add	*10.28*	
		For >30 CLF, Deduct	*-11.39*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	205.70	46.38
		For Up To 4 CLF, Add	*11.95*	
		For >20 CLF, Deduct	*-13.61*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	233.03	47.93
		For Up To 3 CLF, Add	*13.87*	
		For >15 CLF, Deduct	*-16.09*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	244.13	47.93
		For Up To 2.5 CLF, Add	*14.70*	
		For >13 CLF, Deduct	*-17.20*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	277.40	47.93
		For Up To 2 CLF, Add	*17.20*	
		For >10 CLF, Deduct	*-20.53*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	310.68	47.93
		For Up To 1.5 CLF, Add	*19.69*	
		For >8 CLF, Deduct	*-23.85*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	349.11	49.98
		For Up To 1.3 CLF, Add	*22.45*	
		For >7 CLF, Deduct	*-27.44*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	326.93	49.98
		For Up To 1.4 CLF, Add	*20.78*	
		For >7.5 CLF, Deduct	*-25.22*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	376.46	51.53
		For Up To 1.15 CLF, Add	*24.37*	
		For >6 CLF, Deduct	*-29.92*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	420.83	51.53
		For Up To 1 CLF, Add	*27.70*	
		For >5 CLF, Deduct	*-34.35*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	470.35	53.08
		For Up To 0.8 CLF, Add	*31.28*	
		For >4.5 CLF, Deduct	*-39.05*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	519.87	55.14
		For Up To 0.75 CLF, Add	*34.87*	
		For >4 CLF, Deduct	*-43.74*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	569.40	56.68
		For Up To 0.65 CLF, Add	*38.45*	
		For >3.5 CLF, Deduct	*-48.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	717.97	61.84
		For Up To 0.5 CLF, Add	*49.21*	
		For >2.5 CLF, Deduct	*-62.52*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	193.11	46.38
		For Custom Match Coloring, Add	*12.95*	
		For Up To 6 CLF, Add	*11.00*	
		For >30 CLF, Deduct	*-12.35*	
		For 1 Part Mildew Resistant, Add	*18.89*	
		For High-Modulus Non-Acid Curing, Add	*10.79*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	213.60	46.38
		For Custom Match Coloring, Add	*17.87*	
		For Up To 4 CLF, Add	*12.54*	
		For >20 CLF, Deduct	*-14.40*	
		For 1 Part Mildew Resistant, Add	*26.06*	
		For High-Modulus Non-Acid Curing, Add	*14.89*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	230.83	47.93
		For Custom Match Coloring, Add	*20.77*	
		For Up To 3 CLF, Add	*13.71*	
		For >15 CLF, Deduct	*-15.87*	
		For 1 Part Mildew Resistant, Add	*30.29*	
		For High-Modulus Non-Acid Curing, Add	*17.31*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	264.36	47.93
		For Custom Match Coloring, Add	*28.82*	
		For Up To 2.5 CLF, Add	*16.22*	
		For >13 CLF, Deduct	*-19.22*	
		For 1 Part Mildew Resistant, Add	*42.02*	
		For High-Modulus Non-Acid Curing, Add	*24.01*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	299.22	47.93
		For Custom Match Coloring, Add	*37.18*	
		For Up To 2 CLF, Add	*18.83*	
		For >10 CLF, Deduct	*-22.71*	
		For 1 Part Mildew Resistant, Add	*54.23*	
		For High-Modulus Non-Acid Curing, Add	*30.99*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	367.76	49.98
		For Custom Match Coloring, Add	*52.40*	
		For Up To 1.4 CLF, Add	*23.85*	
		For >7.5 CLF, Deduct	*-29.30*	
		For 1 Part Mildew Resistant, Add	*76.41*	
		For High-Modulus Non-Acid Curing, Add	*43.66*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	80.95	2.97
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	32.38	2.97
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	82.75	2.97

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	116.20	2.97
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	39.68	2.97
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	118.90	2.97

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	48.29	2.97
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	27.66	2.97
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	67.26	2.97

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	69.44	2.97
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	31.30	2.97
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	85.33	2.97

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	123.34	1.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	153.00	1.98
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	173.43	1.98
07 95 13 16-0006		**Roof To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	84.70	1.98
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	121.01	1.98
07 95 13 16-0009		**Flat Wall To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	59.09	1.98
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	80.88	1.98
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	107.17	1.98
07 95 13 16-0013		**Corner To Flat Wall** *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	52.58	1.98
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	67.10	1.98
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	107.92	1.98

END OF SECTION 07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	11.14	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	22.45	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	27.12	

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	6.80	
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	22.11	
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	27.07	
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	16.07	
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	12.97	
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	16.94	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing Note: Channel, spiral or coil balance.	42.74	
		For Replacing Two Balances In One Window, Deduct	*-14.24*	

08 01 70 Operation and Maintenance of Hardware *(08 01)*

08 01 71 Operation and Maintenance of Door Hardware *(08 01 70)*

08 01 71 81 Door Hardware Replacement *(08 01 71)*

08 01 71 81-0001 Replacement Folding Door Hardware *(08 01 71 81)*
Note: Includes track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, 4-door aligner (when necessary), and doorknob.

08 01 71 81-0002 2-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0003	SET	24" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	145.71	51.60
08 01 71 81-0004	SET	30" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	151.65	52.89
08 01 71 81-0005	SET	36" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	154.23	54.18
08 01 71 81-0006	SET	36" Track, 50 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	175.98	54.18

08 01 71 81-0007 4-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0008	SET	48" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	229.06	77.40
08 01 71 81-0009	SET	48" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	264.23	77.40
08 01 71 81-0010	SET	60" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	235.71	77.40
08 01 71 81-0011	SET	60" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	271.93	77.40
08 01 71 81-0012	SET	72" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	242.05	79.99
08 01 71 81-0013	SET	72" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	279.88	79.99
08 01 71 81-0014	SET	96" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	230.16	79.99
08 01 71 81-0015	SET	96" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	253.31	79.99

08 01 71 81-0016 Replacement Sliding Door Hardware *(08 01 71 81)*
Note: Hardware includes track, door pull, by-pass door guide, doorstop, standard hanger, and track stop.

08 01 71 81-0017 2-Door Sliding Door Hardware *(08 01 71 81-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 01 71 81-0018	SET	48" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	102.13	25.80
08 01 71 81-0019	SET	48" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	159.01	25.80
08 01 71 81-0020	SET	60" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	113.89	28.38
08 01 71 81-0021	SET	60" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	175.80	28.38
08 01 71 81-0022	SET	72" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	139.11	30.96
08 01 71 81-0023	SET	72" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	192.98	30.96
08 01 71 81-0024		4-Door Sliding Door Hardware *(08 01 71 81-0016)*		
08 01 71 81-0025	SET	96" Track, 200 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	234.19	51.60
08 01 71 81-0026	SET	96" Track, 300 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	309.96	51.60

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	6.20

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	155.03
		For 9/16" To 1-1/16" Glazing Pocket, Add	*77.52*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	196.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	*98.12*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.64
		For 9/16" To 1-1/16" Glazing Pocket, Add	*113.82*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	290.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*145.22*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	376.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*188.40*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	480.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*240.40*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	510.23
		For 9/16" To 1-1/16" Glazing Pocket, Add	*255.12*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	192.54
		For 9/16" To 1-1/16" Glazing Pocket, Add	*70.47*
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	235.16
		For 9/16" To 1-1/16" Glazing Pocket, Add	*89.20*
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	268.87
		For 9/16" To 1-1/16" Glazing Pocket, Add	*103.48*
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	331.12
		For 9/16" To 1-1/16" Glazing Pocket, Add	*132.02*
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	414.77
		For 9/16" To 1-1/16" Glazing Pocket, Add	*171.27*
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	514.49
		For 9/16" To 1-1/16" Glazing Pocket, Add	*218.55*
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	546.42
		For 9/16" To 1-1/16" Glazing Pocket, Add	*231.93*

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*
Note: Factory primed or powder coated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	147.83	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	167.93	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	228.24	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	425.62	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	526.35	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	628.69	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	820.39	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	965.72	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	186.53	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	210.50	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	274.68	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	475.93	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	580.53	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	686.74	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	882.31	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,030.22	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	299.36	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	342.56	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	402.37	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	345.80	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	394.16	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	458.10	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	38.65	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	95.33	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	43.80	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	77.31	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	12.88	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	141.73	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	90.18	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	95.33	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	43.80	

08 05 13 00-0050 Door Modifications *(08 05 13)*

08 05 13 00-0051	EA	Removal And Reinstallation Of Door	43.86	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame	86.00	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	46.44	
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	860.48	
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	115.45	
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	19.10	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame	52.31	
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	23.54	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	34.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 13 Hollow Metal Doors and Frames *(08 11)*

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames *(08 11)*

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	695.24	70.96
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	700.42	73.53
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,141.10	73.53

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,253.72	41.28
		For Special Finished, Add	*138.06*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,331.32	41.28
08 11 63 23-0004	EA	Aluminum Screen Door	247.66	25.76
08 11 63 23-0005	SF	Repair Screen Door	12.46	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	2,699.93	247.88
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	2,980.48	247.88
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,459.02	247.88
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,969.67	247.88

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	682.81	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*90.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*72.65*	
		For Type 304 Stainless Steel Frame, Add	*1,093.61*	
		For Type 316 Stainless Steel Frame, Add	*1,275.23*	
		For Baked Enamel Finish, Add	*193.23*	
		For 18 Gauge Frame, Deduct	*-60.54*	
		For 14 Gauge Frame, Add	*151.35*	
		For 12 Gauge Frame, Add	*230.06*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	805.87	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*108.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*86.49*	
		For Type 304 Stainless Steel Frame, Add	*1,301.57*	
		For Type 316 Stainless Steel Frame, Add	*1,517.79*	
		For Baked Enamel Finish, Add	*228.99*	
		For 18 Gauge Frame, Deduct	*-72.07*	
		For 14 Gauge Frame, Add	*180.18*	
		For 12 Gauge Frame, Add	*273.88*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	822.56	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,322.58*	
		For Type 316 Stainless Steel Frame, Add	*1,542.26*	
		For Baked Enamel Finish, Add	*233.22*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	830.30	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,322.97*	
		For Type 316 Stainless Steel Frame, Add	*1,542.65*	
		For Baked Enamel Finish, Add	*234.38*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	844.41	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*111.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.25*	
		For Type 304 Stainless Steel Frame, Add	*1,343.85*	
		For Type 316 Stainless Steel Frame, Add	*1,566.99*	
		For Baked Enamel Finish, Add	*238.23*	
		For 18 Gauge Frame, Deduct	*-74.38*	
		For 14 Gauge Frame, Add	*185.95*	
		For 12 Gauge Frame, Add	*282.64*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	858.53	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.30*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*90.64*	
		For Type 304 Stainless Steel Frame, Add	*1,364.74*	
		For Type 316 Stainless Steel Frame, Add	*1,591.33*	
		For Baked Enamel Finish, Add	*242.08*	
		For 18 Gauge Frame, Deduct	*-75.53*	
		For 14 Gauge Frame, Add	*188.83*	
		For 12 Gauge Frame, Add	*287.02*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	915.58	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,458.41*	
		For Type 316 Stainless Steel Frame, Add	*1,700.58*	
		For Baked Enamel Finish, Add	*258.42*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	920.75	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,458.67*	
		For Type 316 Stainless Steel Frame, Add	*1,700.84*	
		For Baked Enamel Finish, Add	*259.20*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	954.72	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.32*	
		For Type 304 Stainless Steel Frame, Add	*1,510.81*	
		For Type 316 Stainless Steel Frame, Add	*1,761.62*	
		For Baked Enamel Finish, Add	*268.61*	
		For 18 Gauge Frame, Deduct	*-83.60*	
		For 14 Gauge Frame, Add	*209.01*	
		For 12 Gauge Frame, Add	*317.70*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	988.72	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,562.96*	
		For Type 316 Stainless Steel Frame, Add	*1,822.42*	
		For Baked Enamel Finish, Add	*278.04*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	993.87	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,563.22*	
		For Type 316 Stainless Steel Frame, Add	*1,822.68*	
		For Baked Enamel Finish, Add	*278.81*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,010.87	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*105.51*	
		For Type 304 Stainless Steel Frame, Add	*1,589.30*	
		For Type 316 Stainless Steel Frame, Add	*1,853.09*	
		For Baked Enamel Finish, Add	*283.52*	
		For 18 Gauge Frame, Deduct	*-87.93*	
		For 14 Gauge Frame, Add	*219.82*	
		For 12 Gauge Frame, Add	*334.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,027.87	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.24*	
		For Type 304 Stainless Steel Frame, Add	*1,615.37*	
		For Type 316 Stainless Steel Frame, Add	*1,883.48*	
		For Baked Enamel Finish, Add	*288.24*	
		For 18 Gauge Frame, Deduct	*-89.37*	
		For 14 Gauge Frame, Add	*223.43*	
		For 12 Gauge Frame, Add	*339.61*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,088.11	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*114.16*	
		For Type 304 Stainless Steel Frame, Add	*1,719.29*	
		For Type 316 Stainless Steel Frame, Add	*2,004.69*	
		For Baked Enamel Finish, Add	*305.92*	
		For 18 Gauge Frame, Deduct	*-95.14*	
		For 14 Gauge Frame, Add	*237.84*	
		For 12 Gauge Frame, Add	*361.52*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,148.34	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*151.35*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*121.08*	
		For Type 304 Stainless Steel Frame, Add	*1,823.20*	
		For Type 316 Stainless Steel Frame, Add	*2,125.91*	
		For Baked Enamel Finish, Add	*323.60*	
		For 18 Gauge Frame, Deduct	*-100.90*	
		For 14 Gauge Frame, Add	*252.26*	
		For 12 Gauge Frame, Add	*383.43*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	750.08	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,214.69*	
		For Type 316 Stainless Steel Frame, Add	*1,416.50*	
		For Baked Enamel Finish, Add	*213.41*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	885.95	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,445.72*	
		For Type 316 Stainless Steel Frame, Add	*1,685.96*	
		For Baked Enamel Finish, Add	*253.01*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	903.92	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,469.03*	
		For Type 316 Stainless Steel Frame, Add	*1,713.12*	
		For Baked Enamel Finish, Add	*257.63*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	911.66	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,469.42*	
		For Type 316 Stainless Steel Frame, Add	*1,713.50*	
		For Baked Enamel Finish, Add	*258.79*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	927.05	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,492.61*	
		For Type 316 Stainless Steel Frame, Add	*1,740.53*	
		For Baked Enamel Finish, Add	*263.02*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	942.46	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,515.81*	
		For Type 316 Stainless Steel Frame, Add	*1,767.59*	
		For Baked Enamel Finish, Add	*267.26*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,005.27	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,619.86*	
		For Type 316 Stainless Steel Frame, Add	*1,888.93*	
		For Baked Enamel Finish, Add	*285.33*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,010.44	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,620.11*	
		For Type 316 Stainless Steel Frame, Add	*1,889.19*	
		For Baked Enamel Finish, Add	*286.10*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,047.62	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,678.03*	
		For Type 316 Stainless Steel Frame, Add	*1,956.71*	
		For Baked Enamel Finish, Add	*296.48*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,084.82	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,735.94*	
		For Type 316 Stainless Steel Frame, Add	*2,024.23*	
		For Baked Enamel Finish, Add	*306.87*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,089.97	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,736.20*	
		For Type 316 Stainless Steel Frame, Add	*2,024.49*	
		For Baked Enamel Finish, Add	*307.64*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,108.57	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,765.16*	
		For Type 316 Stainless Steel Frame, Add	*2,058.26*	
		For Baked Enamel Finish, Add	*312.83*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.17	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,794.11*	
		For Type 316 Stainless Steel Frame, Add	*2,092.01*	
		For Baked Enamel Finish, Add	*318.03*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,193.82	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,909.56*	
		For Type 316 Stainless Steel Frame, Add	*2,226.68*	
		For Baked Enamel Finish, Add	*337.63*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,260.45	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,025.00*	
		For Type 316 Stainless Steel Frame, Add	*2,361.34*	
		For Baked Enamel Finish, Add	*357.24*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	750.08	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,214.69*	
		For Type 316 Stainless Steel Frame, Add	*1,416.50*	
		For Baked Enamel Finish, Add	*213.41*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	885.95	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,445.72*	
		For Type 316 Stainless Steel Frame, Add	*1,685.96*	
		For Baked Enamel Finish, Add	*253.01*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	903.92	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,469.03*	
		For Type 316 Stainless Steel Frame, Add	*1,713.12*	
		For Baked Enamel Finish, Add	*257.63*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	911.66	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,469.42*	
		For Type 316 Stainless Steel Frame, Add	*1,713.50*	
		For Baked Enamel Finish, Add	*258.79*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	927.05	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,492.61*	
		For Type 316 Stainless Steel Frame, Add	*1,740.53*	
		For Baked Enamel Finish, Add	*263.02*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	942.46	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,515.81*	
		For Type 316 Stainless Steel Frame, Add	*1,767.59*	
		For Baked Enamel Finish, Add	*267.26*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,005.27	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,619.86*	
		For Type 316 Stainless Steel Frame, Add	*1,888.93*	
		For Baked Enamel Finish, Add	*285.33*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,010.44	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,620.11*	
		For Type 316 Stainless Steel Frame, Add	*1,889.19*	
		For Baked Enamel Finish, Add	*286.10*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,047.62	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,678.03*	
		For Type 316 Stainless Steel Frame, Add	*1,956.71*	
		For Baked Enamel Finish, Add	*296.48*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,084.82	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,735.94*	
		For Type 316 Stainless Steel Frame, Add	*2,024.23*	
		For Baked Enamel Finish, Add	*306.87*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,089.97	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,736.20*	
		For Type 316 Stainless Steel Frame, Add	*2,024.49*	
		For Baked Enamel Finish, Add	*307.64*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,108.57	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,765.16*	
		For Type 316 Stainless Steel Frame, Add	*2,058.26*	
		For Baked Enamel Finish, Add	*312.83*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.17	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,794.11*	
		For Type 316 Stainless Steel Frame, Add	*2,092.01*	
		For Baked Enamel Finish, Add	*318.03*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,193.82	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,909.56*	
		For Type 316 Stainless Steel Frame, Add	*2,226.68*	
		For Baked Enamel Finish, Add	*337.63*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,260.45	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,025.00*	
		For Type 316 Stainless Steel Frame, Add	*2,361.34*	
		For Baked Enamel Finish, Add	*357.24*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	824.82	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.69*	
		For Type 304 Stainless Steel Frame, Add	*1,349.23*	
		For Type 316 Stainless Steel Frame, Add	*1,573.45*	
		For Baked Enamel Finish, Add	*235.84*	
		For 18 Gauge Frame, Deduct	*-74.74*	
		For 14 Gauge Frame, Add	*186.86*	
		For 12 Gauge Frame, Add	*284.02*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	974.93	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*133.47*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*106.77*	
		For Type 304 Stainless Steel Frame, Add	*1,605.88*	
		For Type 316 Stainless Steel Frame, Add	*1,872.82*	
		For Baked Enamel Finish, Add	*279.71*	
		For 18 Gauge Frame, Deduct	*-88.98*	
		For 14 Gauge Frame, Add	*222.45*	
		For 12 Gauge Frame, Add	*338.12*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	994.32	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,631.75*	
		For Type 316 Stainless Steel Frame, Add	*1,902.96*	
		For Baked Enamel Finish, Add	*284.75*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,002.06	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,632.14*	
		For Type 316 Stainless Steel Frame, Add	*1,903.34*	
		For Baked Enamel Finish, Add	*285.91*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,018.88	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*110.19*	
		For Type 304 Stainless Steel Frame, Add	*1,657.90*	
		For Type 316 Stainless Steel Frame, Add	*1,933.38*	
		For Baked Enamel Finish, Add	*290.57*	
		For 18 Gauge Frame, Deduct	*-91.83*	
		For 14 Gauge Frame, Add	*229.57*	
		For 12 Gauge Frame, Add	*348.94*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,035.71	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.88*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.90*	
		For Type 304 Stainless Steel Frame, Add	*1,683.66*	
		For Type 316 Stainless Steel Frame, Add	*1,963.41*	
		For Baked Enamel Finish, Add	*295.23*	
		For 18 Gauge Frame, Deduct	*-93.25*	
		For 14 Gauge Frame, Add	*233.13*	
		For 12 Gauge Frame, Add	*354.35*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,104.92	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,799.23*	
		For Type 316 Stainless Steel Frame, Add	*2,098.19*	
		For Baked Enamel Finish, Add	*315.22*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,110.09	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,799.48*	
		For Type 316 Stainless Steel Frame, Add	*2,098.45*	
		For Baked Enamel Finish, Add	*316.00*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,150.83	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*154.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*123.86*	
		For Type 304 Stainless Steel Frame, Add	*1,863.80*	
		For Type 316 Stainless Steel Frame, Add	*2,173.45*	
		For Baked Enamel Finish, Add	*327.45*	
		For 18 Gauge Frame, Deduct	*-103.22*	
		For 14 Gauge Frame, Add	*258.04*	
		For 12 Gauge Frame, Add	*392.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,191.59	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,928.12*	
		For Type 316 Stainless Steel Frame, Add	*2,248.45*	
		For Baked Enamel Finish, Add	*338.90*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,196.74	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,928.38*	
		For Type 316 Stainless Steel Frame, Add	*2,248.70*	
		For Baked Enamel Finish, Add	*339.67*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,217.12	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*162.83*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*130.26*	
		For Type 304 Stainless Steel Frame, Add	*1,960.55*	
		For Type 316 Stainless Steel Frame, Add	*2,286.21*	
		For Baked Enamel Finish, Add	*345.40*	
		For 18 Gauge Frame, Deduct	*-108.55*	
		For 14 Gauge Frame, Add	*271.39*	
		For 12 Gauge Frame, Add	*412.51*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,237.51	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.50*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*132.40*	
		For Type 304 Stainless Steel Frame, Add	*1,992.72*	
		For Type 316 Stainless Steel Frame, Add	*2,323.72*	
		For Baked Enamel Finish, Add	*351.13*	
		For 18 Gauge Frame, Deduct	*-110.33*	
		For 14 Gauge Frame, Add	*275.84*	
		For 12 Gauge Frame, Add	*419.27*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,311.27	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.18*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*140.94*	
		For Type 304 Stainless Steel Frame, Add	*2,120.97*	
		For Type 316 Stainless Steel Frame, Add	*2,473.33*	
		For Baked Enamel Finish, Add	*372.87*	
		For 18 Gauge Frame, Deduct	*-117.45*	
		For 14 Gauge Frame, Add	*293.63*	
		For 12 Gauge Frame, Add	*446.32*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,385.02	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*186.86*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*149.48*	
		For Type 304 Stainless Steel Frame, Add	*2,249.23*	
		For Type 316 Stainless Steel Frame, Add	*2,622.94*	
		For Baked Enamel Finish, Add	*394.61*	
		For 18 Gauge Frame, Deduct	*-124.57*	
		For 14 Gauge Frame, Add	*311.43*	
		For 12 Gauge Frame, Add	*473.37*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,142.33	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*159.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*127.79*	
		For Type 304 Stainless Steel Frame, Add	*1,920.74*	
		For Type 316 Stainless Steel Frame, Add	*2,240.22*	
		For Baked Enamel Finish, Add	*331.09*	
		For 18 Gauge Frame, Deduct	*-106.49*	
		For 14 Gauge Frame, Add	*266.23*	
		For 12 Gauge Frame, Add	*404.67*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,352.91	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*190.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*152.13*	
		For Type 304 Stainless Steel Frame, Add	*2,286.24*	
		For Type 316 Stainless Steel Frame, Add	*2,666.57*	
		For Baked Enamel Finish, Add	*393.10*	
		For 18 Gauge Frame, Deduct	*-126.78*	
		For 14 Gauge Frame, Add	*316.94*	
		For 12 Gauge Frame, Add	*481.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,378.35	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,323.01*	
		For Type 316 Stainless Steel Frame, Add	*2,709.42*	
		For Baked Enamel Finish, Add	*399.96*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,386.09	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,323.39*	
		For Type 316 Stainless Steel Frame, Add	*2,709.81*	
		For Baked Enamel Finish, Add	*401.12*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,408.96	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*196.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*157.00*	
		For Type 304 Stainless Steel Frame, Add	*2,360.04*	
		For Type 316 Stainless Steel Frame, Add	*2,752.55*	
		For Baked Enamel Finish, Add	*407.60*	
		For 18 Gauge Frame, Deduct	*-130.83*	
		For 14 Gauge Frame, Add	*327.09*	
		For 12 Gauge Frame, Add	*497.17*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,431.83	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.43*	
		For Type 304 Stainless Steel Frame, Add	*2,396.68*	
		For Type 316 Stainless Steel Frame, Add	*2,795.26*	
		For Baked Enamel Finish, Add	*414.07*	
		For 18 Gauge Frame, Deduct	*-132.86*	
		For 14 Gauge Frame, Add	*332.16*	
		For 12 Gauge Frame, Add	*504.88*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,528.26	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,561.24*	
		For Type 316 Stainless Steel Frame, Add	*2,987.21*	
		For Baked Enamel Finish, Add	*442.22*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,533.43	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,561.50*	
		For Type 316 Stainless Steel Frame, Add	*2,987.47*	
		For Baked Enamel Finish, Add	*443.00*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,589.29	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.59*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.47*	
		For Type 304 Stainless Steel Frame, Add	*2,653.03*	
		For Type 316 Stainless Steel Frame, Add	*3,094.22*	
		For Baked Enamel Finish, Add	*458.99*	
		For 18 Gauge Frame, Deduct	*-147.06*	
		For 14 Gauge Frame, Add	*367.65*	
		For 12 Gauge Frame, Add	*558.83*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,645.17	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,744.57*	
		For Type 316 Stainless Steel Frame, Add	*3,200.96*	
		For Baked Enamel Finish, Add	*474.97*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,650.32	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,744.83*	
		For Type 316 Stainless Steel Frame, Add	*3,201.22*	
		For Baked Enamel Finish, Add	*475.75*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,678.26	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*232.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*185.60*	
		For Type 304 Stainless Steel Frame, Add	*2,790.60*	
		For Type 316 Stainless Steel Frame, Add	*3,254.61*	
		For Baked Enamel Finish, Add	*483.74*	
		For 18 Gauge Frame, Deduct	*-154.67*	
		For 14 Gauge Frame, Add	*386.67*	
		For 12 Gauge Frame, Add	*587.74*	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,706.20	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.80*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*188.64*	
		For Type 304 Stainless Steel Frame, Add	*2,836.36*	
		For Type 316 Stainless Steel Frame, Add	*3,307.97*	
		For Baked Enamel Finish, Add	*491.73*	
		For 18 Gauge Frame, Deduct	*-157.20*	
		For 14 Gauge Frame, Add	*393.01*	
		For 12 Gauge Frame, Add	*597.37*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,810.19	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*251.02*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*200.81*	
		For Type 304 Stainless Steel Frame, Add	*3,019.03*	
		For Type 316 Stainless Steel Frame, Add	*3,521.06*	
		For Baked Enamel Finish, Add	*522.54*	
		For 18 Gauge Frame, Deduct	*-167.34*	
		For 14 Gauge Frame, Add	*418.36*	
		For 12 Gauge Frame, Add	*635.91*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,914.20	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.99*	
		For Type 304 Stainless Steel Frame, Add	*3,201.75*	
		For Type 316 Stainless Steel Frame, Add	*3,734.21*	
		For Baked Enamel Finish, Add	*553.36*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,260.65	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*177.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*141.99*	
		For Type 304 Stainless Steel Frame, Add	*2,133.72*	
		For Type 316 Stainless Steel Frame, Add	*2,488.70*	
		For Baked Enamel Finish, Add	*366.59*	
		For 18 Gauge Frame, Deduct	*-118.33*	
		For 14 Gauge Frame, Add	*295.81*	
		For 12 Gauge Frame, Add	*449.64*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,493.77	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*211.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*169.04*	
		For Type 304 Stainless Steel Frame, Add	*2,539.79*	
		For Type 316 Stainless Steel Frame, Add	*2,962.38*	
		For Baked Enamel Finish, Add	*435.36*	
		For 18 Gauge Frame, Deduct	*-140.86*	
		For 14 Gauge Frame, Add	*352.16*	
		For 12 Gauge Frame, Add	*535.28*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,521.47	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,580.62*	
		For Type 316 Stainless Steel Frame, Add	*3,009.97*	
		For Baked Enamel Finish, Add	*442.90*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,529.21	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,581.01*	
		For Type 316 Stainless Steel Frame, Add	*3,010.36*	
		For Baked Enamel Finish, Add	*444.06*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,554.33	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*174.45*	
		For Type 304 Stainless Steel Frame, Add	*2,621.71*	
		For Type 316 Stainless Steel Frame, Add	*3,057.82*	
		For Baked Enamel Finish, Add	*451.21*	
		For 18 Gauge Frame, Deduct	*-145.37*	
		For 14 Gauge Frame, Add	*363.43*	
		For 12 Gauge Frame, Add	*552.41*	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,579.45	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.44*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*177.15*	
		For Type 304 Stainless Steel Frame, Add	*2,662.39*	
		For Type 316 Stainless Steel Frame, Add	*3,105.26*	
		For Baked Enamel Finish, Add	*458.35*	
		For 18 Gauge Frame, Deduct	*-147.62*	
		For 14 Gauge Frame, Add	*369.06*	
		For 12 Gauge Frame, Add	*560.97*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,686.03	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,845.22*	
		For Type 316 Stainless Steel Frame, Add	*3,318.53*	
		For Baked Enamel Finish, Add	*489.56*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,691.20	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,845.48*	
		For Type 316 Stainless Steel Frame, Add	*3,318.78*	
		For Baked Enamel Finish, Add	*490.33*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,752.69	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.10*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.08*	
		For Type 304 Stainless Steel Frame, Add	*2,947.15*	
		For Type 316 Stainless Steel Frame, Add	*3,437.36*	
		For Baked Enamel Finish, Add	*508.01*	
		For 18 Gauge Frame, Deduct	*-163.40*	
		For 14 Gauge Frame, Add	*408.50*	
		For 12 Gauge Frame, Add	*620.92*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,814.21	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,048.84*	
		For Type 316 Stainless Steel Frame, Add	*3,555.95*	
		For Baked Enamel Finish, Add	*525.69*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,819.36	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,049.10*	
		For Type 316 Stainless Steel Frame, Add	*3,556.21*	
		For Baked Enamel Finish, Add	*526.46*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,850.11	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*257.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*206.22*	
		For Type 304 Stainless Steel Frame, Add	*3,099.93*	
		For Type 316 Stainless Steel Frame, Add	*3,615.49*	
		For Baked Enamel Finish, Add	*535.30*	
		For 18 Gauge Frame, Deduct	*-171.85*	
		For 14 Gauge Frame, Add	*429.63*	
		For 12 Gauge Frame, Add	*653.04*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,880.87	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.01*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*209.60*	
		For Type 304 Stainless Steel Frame, Add	*3,150.77*	
		For Type 316 Stainless Steel Frame, Add	*3,674.78*	
		For Baked Enamel Finish, Add	*544.14*	
		For 18 Gauge Frame, Deduct	*-174.67*	
		For 14 Gauge Frame, Add	*436.68*	
		For 12 Gauge Frame, Add	*663.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,996.12	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*278.91*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*223.12*	
		For Type 304 Stainless Steel Frame, Add	*3,353.70*	
		For Type 316 Stainless Steel Frame, Add	*3,911.51*	
		For Baked Enamel Finish, Add	*578.32*	
		For 18 Gauge Frame, Deduct	*-185.94*	
		For 14 Gauge Frame, Add	*464.84*	
		For 12 Gauge Frame, Add	*706.56*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,111.40	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*295.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*236.65*	
		For Type 304 Stainless Steel Frame, Add	*3,556.71*	
		For Type 316 Stainless Steel Frame, Add	*4,148.33*	
		For Baked Enamel Finish, Add	*612.52*	
		For 18 Gauge Frame, Deduct	*-197.21*	
		For 14 Gauge Frame, Add	*493.02*	
		For 12 Gauge Frame, Add	*749.39*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,222.20	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*171.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*137.38*	
		For Type 304 Stainless Steel Frame, Add	*2,064.51*	
		For Type 316 Stainless Steel Frame, Add	*2,407.95*	
		For Baked Enamel Finish, Add	*355.05*	
		For 18 Gauge Frame, Deduct	*-114.48*	
		For 14 Gauge Frame, Add	*286.20*	
		For 12 Gauge Frame, Add	*435.02*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,447.99	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.43*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*163.54*	
		For Type 304 Stainless Steel Frame, Add	*2,457.39*	
		For Type 316 Stainless Steel Frame, Add	*2,866.24*	
		For Baked Enamel Finish, Add	*421.63*	
		For 18 Gauge Frame, Deduct	*-136.29*	
		For 14 Gauge Frame, Add	*340.71*	
		For 12 Gauge Frame, Add	*517.88*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,474.96	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,496.90*	
		For Type 316 Stainless Steel Frame, Add	*2,912.30*	
		For Baked Enamel Finish, Add	*428.94*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,482.70	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,497.29*	
		For Type 316 Stainless Steel Frame, Add	*2,912.69*	
		For Baked Enamel Finish, Add	*430.10*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,507.08	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.97*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*168.78*	
		For Type 304 Stainless Steel Frame, Add	*2,536.66*	
		For Type 316 Stainless Steel Frame, Add	*2,958.60*	
		For Baked Enamel Finish, Add	*437.03*	
		For 18 Gauge Frame, Deduct	*-140.65*	
		For 14 Gauge Frame, Add	*351.62*	
		For 12 Gauge Frame, Add	*534.45*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,531.48	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.24*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.39*	
		For Type 304 Stainless Steel Frame, Add	*2,576.05*	
		For Type 316 Stainless Steel Frame, Add	*3,004.53*	
		For Baked Enamel Finish, Add	*443.96*	
		For 18 Gauge Frame, Deduct	*-142.83*	
		For 14 Gauge Frame, Add	*357.07*	
		For 12 Gauge Frame, Add	*542.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,634.75	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,752.92*	
		For Type 316 Stainless Steel Frame, Add	*3,210.84*	
		For Baked Enamel Finish, Add	*474.17*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,639.92	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,753.18*	
		For Type 316 Stainless Steel Frame, Add	*3,211.10*	
		For Baked Enamel Finish, Add	*474.95*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,699.59	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.14*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.71*	
		For Type 304 Stainless Steel Frame, Add	*2,851.57*	
		For Type 316 Stainless Steel Frame, Add	*3,325.85*	
		For Baked Enamel Finish, Add	*492.08*	
		For 18 Gauge Frame, Deduct	*-158.09*	
		For 14 Gauge Frame, Add	*395.23*	
		For 12 Gauge Frame, Add	*600.75*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,759.27	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,949.95*	
		For Type 316 Stainless Steel Frame, Add	*3,440.57*	
		For Baked Enamel Finish, Add	*509.20*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,764.42	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,950.21*	
		For Type 316 Stainless Steel Frame, Add	*3,440.83*	
		For Baked Enamel Finish, Add	*509.98*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,794.26	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.52*	
		For Type 304 Stainless Steel Frame, Add	*2,999.40*	
		For Type 316 Stainless Steel Frame, Add	*3,498.21*	
		For Baked Enamel Finish, Add	*518.54*	
		For 18 Gauge Frame, Deduct	*-166.27*	
		For 14 Gauge Frame, Add	*415.67*	
		For 12 Gauge Frame, Add	*631.82*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,824.10	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.79*	
		For Type 304 Stainless Steel Frame, Add	*3,048.58*	
		For Type 316 Stainless Steel Frame, Add	*3,555.56*	
		For Baked Enamel Finish, Add	*527.10*	
		For 18 Gauge Frame, Deduct	*-168.99*	
		For 14 Gauge Frame, Add	*422.48*	
		For 12 Gauge Frame, Add	*642.17*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,935.70	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*269.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*215.87*	
		For Type 304 Stainless Steel Frame, Add	*3,244.95*	
		For Type 316 Stainless Steel Frame, Add	*3,784.63*	
		For Baked Enamel Finish, Add	*560.20*	
		For 18 Gauge Frame, Deduct	*-179.90*	
		For 14 Gauge Frame, Add	*449.74*	
		For 12 Gauge Frame, Add	*683.60*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,047.31	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*286.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.96*	
		For Type 304 Stainless Steel Frame, Add	*3,441.35*	
		For Type 316 Stainless Steel Frame, Add	*4,013.75*	
		For Baked Enamel Finish, Add	*593.30*	
		For 18 Gauge Frame, Deduct	*-190.80*	
		For 14 Gauge Frame, Add	*477.00*	
		For 12 Gauge Frame, Add	*725.04*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*			
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,349.39	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add		*190.80*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*152.64*	
		For Type 304 Stainless Steel Frame, Add		*2,293.45*	
		For Type 316 Stainless Steel Frame, Add		*2,675.05*	
		For Baked Enamel Finish, Add		*393.21*	
		For 18 Gauge Frame, Deduct		*-127.20*	
		For 14 Gauge Frame, Add		*318.00*	
		For 12 Gauge Frame, Add		*483.36*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,599.42	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add		*227.14*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*181.71*	
		For Type 304 Stainless Steel Frame, Add		*2,729.96*	
		For Type 316 Stainless Steel Frame, Add		*3,184.25*	
		For Baked Enamel Finish, Add		*467.06*	
		For 18 Gauge Frame, Deduct		*-151.43*	
		For 14 Gauge Frame, Add		*378.57*	
		For 12 Gauge Frame, Add		*575.43*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,628.81	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add		*230.78*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*184.62*	
		For Type 304 Stainless Steel Frame, Add		*2,773.83*	
		For Type 316 Stainless Steel Frame, Add		*3,235.39*	
		For Baked Enamel Finish, Add		*475.10*	
		For 18 Gauge Frame, Deduct		*-153.85*	
		For 14 Gauge Frame, Add		*384.63*	
		For 12 Gauge Frame, Add		*584.63*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,636.55	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add		*230.78*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*184.62*	
		For Type 304 Stainless Steel Frame, Add		*2,774.22*	
		For Type 316 Stainless Steel Frame, Add		*3,235.77*	
		For Baked Enamel Finish, Add		*476.26*	
		For 18 Gauge Frame, Deduct		*-153.85*	
		For 14 Gauge Frame, Add		*384.63*	
		For 12 Gauge Frame, Add		*584.63*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,663.35	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add		*234.41*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*187.53*	
		For Type 304 Stainless Steel Frame, Add		*2,817.95*	
		For Type 316 Stainless Steel Frame, Add		*3,286.76*	
		For Baked Enamel Finish, Add		*483.91*	
		For 18 Gauge Frame, Deduct		*-156.27*	
		For 14 Gauge Frame, Add		*390.68*	
		For 12 Gauge Frame, Add		*593.84*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,690.17	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add		*238.04*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*190.44*	
		For Type 304 Stainless Steel Frame, Add		*2,861.69*	
		For Type 316 Stainless Steel Frame, Add		*3,337.78*	
		For Baked Enamel Finish, Add		*491.57*	
		For 18 Gauge Frame, Deduct		*-158.70*	
		For 14 Gauge Frame, Add		*396.74*	
		For 12 Gauge Frame, Add		*603.04*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,804.35	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add		*254.40*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*203.52*	
		For Type 304 Stainless Steel Frame, Add		*3,058.20*	
		For Type 316 Stainless Steel Frame, Add		*3,567.00*	
		For Baked Enamel Finish, Add		*525.05*	
		For 18 Gauge Frame, Deduct		*-169.60*	
		For 14 Gauge Frame, Add		*424.00*	
		For 12 Gauge Frame, Add		*644.48*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		1,809.52	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add		*254.40*	
		For Welded Frames, Add		*352.93*	
		For Galvanized Frames, Add		*203.52*	
		For Type 304 Stainless Steel Frame, Add		*3,058.46*	
		For Type 316 Stainless Steel Frame, Add		*3,567.26*	
		For Baked Enamel Finish, Add		*525.83*	
		For 18 Gauge Frame, Deduct		*-169.60*	
		For 14 Gauge Frame, Add		*424.00*	
		For 12 Gauge Frame, Add		*644.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,875.24	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*263.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*210.79*	
		For Type 304 Stainless Steel Frame, Add	*3,167.74*	
		For Type 316 Stainless Steel Frame, Add	*3,694.71*	
		For Baked Enamel Finish, Add	*544.77*	
		For 18 Gauge Frame, Deduct	*-175.66*	
		For 14 Gauge Frame, Add	*439.14*	
		For 12 Gauge Frame, Add	*667.49*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,940.98	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,277.03*	
		For Type 316 Stainless Steel Frame, Add	*3,822.17*	
		For Baked Enamel Finish, Add	*563.72*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,946.13	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,277.28*	
		For Type 316 Stainless Steel Frame, Add	*3,822.42*	
		For Baked Enamel Finish, Add	*564.49*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,979.00	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*221.69*	
		For Type 304 Stainless Steel Frame, Add	*3,331.94*	
		For Type 316 Stainless Steel Frame, Add	*3,886.16*	
		For Baked Enamel Finish, Add	*573.96*	
		For 18 Gauge Frame, Deduct	*-184.74*	
		For 14 Gauge Frame, Add	*461.86*	
		For 12 Gauge Frame, Add	*702.02*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,011.87	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.66*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.32*	
		For Type 304 Stainless Steel Frame, Add	*3,386.57*	
		For Type 316 Stainless Steel Frame, Add	*3,949.88*	
		For Baked Enamel Finish, Add	*583.44*	
		For 18 Gauge Frame, Deduct	*-187.77*	
		For 14 Gauge Frame, Add	*469.43*	
		For 12 Gauge Frame, Add	*713.53*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,135.57	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.86*	
		For Type 304 Stainless Steel Frame, Add	*3,604.71*	
		For Type 316 Stainless Steel Frame, Add	*4,204.36*	
		For Baked Enamel Finish, Add	*620.16*	
		For 18 Gauge Frame, Deduct	*-199.88*	
		For 14 Gauge Frame, Add	*499.71*	
		For 12 Gauge Frame, Add	*759.55*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,259.31	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*318.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*254.40*	
		For Type 304 Stainless Steel Frame, Add	*3,822.95*	
		For Type 316 Stainless Steel Frame, Add	*4,458.95*	
		For Baked Enamel Finish, Add	*656.90*	
		For 18 Gauge Frame, Deduct	*-212.00*	
		For 14 Gauge Frame, Add	*530.00*	
		For 12 Gauge Frame, Add	*805.60*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,275.44	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*143.76*	
		For Type 304 Stainless Steel Frame, Add	*2,160.34*	
		For Type 316 Stainless Steel Frame, Add	*2,519.75*	
		For Baked Enamel Finish, Add	*371.02*	
		For 18 Gauge Frame, Deduct	*-119.80*	
		For 14 Gauge Frame, Add	*299.51*	
		For 12 Gauge Frame, Add	*455.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,511.38	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.94*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.15*	
		For Type 304 Stainless Steel Frame, Add	*2,571.49*	
		For Type 316 Stainless Steel Frame, Add	*2,999.36*	
		For Baked Enamel Finish, Add	*440.64*	
		For 18 Gauge Frame, Deduct	*-142.62*	
		For 14 Gauge Frame, Add	*356.56*	
		For 12 Gauge Frame, Add	*541.97*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,539.36	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,612.82*	
		For Type 316 Stainless Steel Frame, Add	*3,047.54*	
		For Baked Enamel Finish, Add	*448.26*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,547.10	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,613.21*	
		For Type 316 Stainless Steel Frame, Add	*3,047.93*	
		For Baked Enamel Finish, Add	*449.42*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,572.50	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.63*	
		For Type 304 Stainless Steel Frame, Add	*2,654.42*	
		For Type 316 Stainless Steel Frame, Add	*3,095.98*	
		For Baked Enamel Finish, Add	*456.66*	
		For 18 Gauge Frame, Deduct	*-147.19*	
		For 14 Gauge Frame, Add	*367.97*	
		For 12 Gauge Frame, Add	*559.31*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,597.91	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*224.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*179.36*	
		For Type 304 Stainless Steel Frame, Add	*2,695.62*	
		For Type 316 Stainless Steel Frame, Add	*3,144.03*	
		For Baked Enamel Finish, Add	*463.89*	
		For 18 Gauge Frame, Deduct	*-149.47*	
		For 14 Gauge Frame, Add	*373.68*	
		For 12 Gauge Frame, Add	*567.99*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,705.75	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,880.72*	
		For Type 316 Stainless Steel Frame, Add	*3,359.94*	
		For Baked Enamel Finish, Add	*495.47*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,710.92	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,880.98*	
		For Type 316 Stainless Steel Frame, Add	*3,360.20*	
		For Baked Enamel Finish, Add	*496.25*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,773.12	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*248.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*198.53*	
		For Type 304 Stainless Steel Frame, Add	*2,983.93*	
		For Type 316 Stainless Steel Frame, Add	*3,480.26*	
		For Baked Enamel Finish, Add	*514.13*	
		For 18 Gauge Frame, Deduct	*-165.44*	
		For 14 Gauge Frame, Add	*413.61*	
		For 12 Gauge Frame, Add	*628.69*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,835.34	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,086.87*	
		For Type 316 Stainless Steel Frame, Add	*3,600.32*	
		For Baked Enamel Finish, Add	*532.02*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,840.49	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,087.13*	
		For Type 316 Stainless Steel Frame, Add	*3,600.58*	
		For Baked Enamel Finish, Add	*532.80*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,871.59	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*261.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*208.80*	
		For Type 304 Stainless Steel Frame, Add	*3,138.60*	
		For Type 316 Stainless Steel Frame, Add	*3,660.60*	
		For Baked Enamel Finish, Add	*541.74*	
		For 18 Gauge Frame, Deduct	*-174.00*	
		For 14 Gauge Frame, Add	*435.00*	
		For 12 Gauge Frame, Add	*661.20*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,902.71	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.28*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.22*	
		For Type 304 Stainless Steel Frame, Add	*3,190.08*	
		For Type 316 Stainless Steel Frame, Add	*3,720.64*	
		For Baked Enamel Finish, Add	*550.69*	
		For 18 Gauge Frame, Deduct	*-176.85*	
		For 14 Gauge Frame, Add	*442.14*	
		For 12 Gauge Frame, Add	*672.05*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,019.37	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*282.39*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.91*	
		For Type 304 Stainless Steel Frame, Add	*3,395.55*	
		For Type 316 Stainless Steel Frame, Add	*3,960.34*	
		For Baked Enamel Finish, Add	*585.30*	
		For 18 Gauge Frame, Deduct	*-188.26*	
		For 14 Gauge Frame, Add	*470.66*	
		For 12 Gauge Frame, Add	*715.40*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,136.06	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.61*	
		For Type 304 Stainless Steel Frame, Add	*3,601.10*	
		For Type 316 Stainless Steel Frame, Add	*4,200.12*	
		For Baked Enamel Finish, Add	*619.92*	
		For 18 Gauge Frame, Deduct	*-199.67*	
		For 14 Gauge Frame, Add	*499.19*	
		For 12 Gauge Frame, Add	*758.76*	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,408.56	38.70
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.67*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.74*	
		For Type 304 Stainless Steel Frame, Add	*2,399.96*	
		For Type 316 Stainless Steel Frame, Add	*2,799.31*	
		For Baked Enamel Finish, Add	*410.96*	
		For 18 Gauge Frame, Deduct	*-133.12*	
		For 14 Gauge Frame, Add	*332.79*	
		For 12 Gauge Frame, Add	*505.84*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,669.85	42.57
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*190.17*	
		For Type 304 Stainless Steel Frame, Add	*2,856.74*	
		For Type 316 Stainless Steel Frame, Add	*3,332.15*	
		For Baked Enamel Finish, Add	*488.18*	
		For 18 Gauge Frame, Deduct	*-158.47*	
		For 14 Gauge Frame, Add	*396.18*	
		For 12 Gauge Frame, Add	*602.19*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,700.36	45.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,902.62*	
		For Type 316 Stainless Steel Frame, Add	*3,385.64*	
		For Baked Enamel Finish, Add	*496.56*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,708.10	49.03
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,903.01*	
		For Type 316 Stainless Steel Frame, Add	*3,386.03*	
		For Baked Enamel Finish, Add	*497.72*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,736.04	50.31
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,948.79*	
		For Type 316 Stainless Steel Frame, Add	*3,439.41*	
		For Baked Enamel Finish, Add	*505.72*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,763.99	51.60
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.29*	
		For Type 304 Stainless Steel Frame, Add	*2,994.56*	
		For Type 316 Stainless Steel Frame, Add	*3,492.80*	
		For Baked Enamel Finish, Add	*513.72*	
		For 18 Gauge Frame, Deduct	*-166.08*	
		For 14 Gauge Frame, Add	*415.20*	
		For 12 Gauge Frame, Add	*631.10*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,883.23	54.18
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,200.18*	
		For Type 316 Stainless Steel Frame, Add	*3,732.65*	
		For Baked Enamel Finish, Add	*548.72*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,888.40	56.76
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,200.44*	
		For Type 316 Stainless Steel Frame, Add	*3,732.90*	
		For Baked Enamel Finish, Add	*549.49*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,956.94	59.35
		For Auxiliary Frame Reinforcement For Hinges, Add	*275.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*220.59*	
		For Type 304 Stainless Steel Frame, Add	*3,314.80*	
		For Type 316 Stainless Steel Frame, Add	*3,866.28*	
		For Baked Enamel Finish, Add	*569.28*	
		For 18 Gauge Frame, Deduct	*-183.83*	
		For 14 Gauge Frame, Add	*459.57*	
		For 12 Gauge Frame, Add	*698.54*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,025.50	61.92
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,429.16*	
		For Type 316 Stainless Steel Frame, Add	*3,999.66*	
		For Baked Enamel Finish, Add	*589.07*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,030.65	64.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,429.42*	
		For Type 316 Stainless Steel Frame, Add	*3,999.92*	
		For Baked Enamel Finish, Add	*589.85*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,064.93	65.79
		For Auxiliary Frame Reinforcement For Hinges, Add	*290.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*232.00*	
		For Type 304 Stainless Steel Frame, Add	*3,486.61*	
		For Type 316 Stainless Steel Frame, Add	*4,066.61*	
		For Baked Enamel Finish, Add	*599.74*	
		For 18 Gauge Frame, Deduct	*-193.34*	
		For 14 Gauge Frame, Add	*483.34*	
		For 12 Gauge Frame, Add	*734.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,099.21	67.08
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.76*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*235.80*	
		For Type 304 Stainless Steel Frame, Add	*3,543.78*	
		For Type 316 Stainless Steel Frame, Add	*4,133.29*	
		For Baked Enamel Finish, Add	*609.64*	
		For 18 Gauge Frame, Deduct	*-196.50*	
		For 14 Gauge Frame, Add	*491.26*	
		For 12 Gauge Frame, Add	*746.72*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,228.54	68.37
		For Auxiliary Frame Reinforcement For Hinges, Add	*313.77*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*251.01*	
		For Type 304 Stainless Steel Frame, Add	*3,772.06*	
		For Type 316 Stainless Steel Frame, Add	*4,399.60*	
		For Baked Enamel Finish, Add	*648.05*	
		For 18 Gauge Frame, Deduct	*-209.18*	
		For 14 Gauge Frame, Add	*522.95*	
		For 12 Gauge Frame, Add	*794.88*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,357.91	69.67
		For Auxiliary Frame Reinforcement For Hinges, Add	*332.79*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*266.23*	
		For Type 304 Stainless Steel Frame, Add	*4,000.43*	
		For Type 316 Stainless Steel Frame, Add	*4,666.01*	
		For Baked Enamel Finish, Add	*686.48*	
		For 18 Gauge Frame, Deduct	*-221.86*	
		For 14 Gauge Frame, Add	*554.65*	
		For 12 Gauge Frame, Add	*843.06*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms Opening *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	81.79	7.22
		For Movable Frame, Add	*16.36*	
		For 18 Gauge Frame, Deduct	*-6.73*	
		For 14 Gauge Frame, Add	*16.84*	
		For 12 Gauge Frame, Add	*25.59*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	85.61	7.49
		For Movable Frame, Add	*17.12*	
		For 18 Gauge Frame, Deduct	*-7.07*	
		For 14 Gauge Frame, Add	*17.66*	
		For 12 Gauge Frame, Add	*26.85*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	89.69	7.74
		For Movable Frame, Add	*17.94*	
		For 18 Gauge Frame, Deduct	*-7.42*	
		For 14 Gauge Frame, Add	*18.55*	
		For 12 Gauge Frame, Add	*28.20*	

08 12 13 13-0171 Operable Steel Transom Sash Opening *(08 12 13 13-0166)*

Note: Includes hardware. Excludes glazing.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	127.28	7.22
		For 18 Gauge Frame, Deduct	*-11.28*	
		For 14 Gauge Frame, Add	*28.21*	
		For 12 Gauge Frame, Add	*42.88*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	133.44	7.49
		For 18 Gauge Frame, Deduct	*-11.85*	
		For 14 Gauge Frame, Add	*29.62*	
		For 12 Gauge Frame, Add	*45.02*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	139.87	7.74
		For 18 Gauge Frame, Deduct	*-12.44*	
		For 14 Gauge Frame, Add	*31.10*	
		For 12 Gauge Frame, Add	*47.27*	

08 12 13 13-0175 Steel Frame Sidelights Opening *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	86.81	7.22
		For 18 Gauge Frame, Deduct	*-7.24*	
		For 14 Gauge Frame, Add	*18.09*	
		For 12 Gauge Frame, Add	*27.50*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	90.95	7.49
		For 18 Gauge Frame, Deduct	*-7.60*	
		For 14 Gauge Frame, Add	*19.00*	
		For 12 Gauge Frame, Add	*28.88*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	95.24	7.74
		For 18 Gauge Frame, Deduct	*-7.98*	
		For 14 Gauge Frame, Add	*19.94*	
		For 12 Gauge Frame, Add	*30.31*	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0180		**16 Gauge, Hollow Metal Frame Vertical Mullions** *(08 12 13 13-0179)*		
08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	24.86	2.89
		For 18 Gauge Frame, Deduct	*-1.76*	
		For 14 Gauge Frame, Add	*4.40*	
		For 12 Gauge Frame, Add	*6.68*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	26.53	2.89
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	26.00	3.00
		For 18 Gauge Frame, Deduct	*-1.85*	
		For 14 Gauge Frame, Add	*4.63*	
		For 12 Gauge Frame, Add	*7.04*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	27.15	3.00
		For 18 Gauge Frame, Deduct	*-1.97*	
		For 14 Gauge Frame, Add	*4.92*	
		For 12 Gauge Frame, Add	*7.47*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	27.08	3.05
		For 18 Gauge Frame, Deduct	*-1.94*	
		For 14 Gauge Frame, Add	*4.86*	
		For 12 Gauge Frame, Add	*7.39*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	27.52	3.05
		For 18 Gauge Frame, Deduct	*-1.99*	
		For 14 Gauge Frame, Add	*4.97*	
		For 12 Gauge Frame, Add	*7.55*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0187		**16 Gauge, Hollow Metal Frame Horizontal Rails** *(08 12 13 13-0179)*		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	16.53	2.89
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	17.47	2.89
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	16.74	3.00
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	17.68	3.00
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	17.36	3.05
		For 18 Gauge Frame, Deduct	*-0.97*	
		For 14 Gauge Frame, Add	*2.43*	
		For 12 Gauge Frame, Add	*3.69*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	18.18	3.05
		For 18 Gauge Frame, Deduct	*-1.05*	
		For 14 Gauge Frame, Add	*2.64*	
		For 12 Gauge Frame, Add	*4.01*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	785.30	20.23
		For 18 Gauge Frame, Deduct	*-73.47*	
		For 14 Gauge Frame, Add	*183.68*	
		For 12 Gauge Frame, Add	*279.20*	
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	814.60	20.23
		For 18 Gauge Frame, Deduct	*-76.40*	
		For 14 Gauge Frame, Add	*191.01*	
		For 12 Gauge Frame, Add	*290.33*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	905.11	21.15
		For 18 Gauge Frame, Deduct	*-85.30*	
		For 14 Gauge Frame, Add	*213.25*	
		For 12 Gauge Frame, Add	*324.14*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	931.27	21.15
		For 18 Gauge Frame, Deduct	*-87.92*	
		For 14 Gauge Frame, Add	*219.79*	
		For 12 Gauge Frame, Add	*334.08*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,056.84	21.67
		For 18 Gauge Frame, Deduct	*-100.27*	
		For 14 Gauge Frame, Add	*250.67*	
		For 12 Gauge Frame, Add	*381.01*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,074.64	21.67
		For 18 Gauge Frame, Deduct	*-102.05*	
		For 14 Gauge Frame, Add	*255.12*	
		For 12 Gauge Frame, Add	*387.77*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0201		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	33.23	
08 12 16		**Aluminum Frames** *(08 12)*		
08 12 16 00-0001		Aluminum Door Frames *(08 12 16)*		
08 12 16 00-0002		4-7/8" Deep, Aluminum Door Frames *(08 12 16 00-0001)*		
08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	584.08	50.31
08 12 16 00-0004	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	594.17	51.60
08 12 16 00-0005	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	633.05	54.18
08 12 16 00-0006	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	638.22	56.76
08 12 16 00-0007	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	662.11	59.35
08 12 16 00-0008	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	581.02	67.08
08 12 16 00-0009	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	612.43	68.37
08 12 16 00-0010	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,148.34	69.67
08 12 16 00-0011		5-1/4" Deep, Aluminum Door Frames *(08 12 16 00-0001)*		
08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	637.80	50.31
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	648.72	51.60
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	691.35	54.18
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	696.52	56.76
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	722.49	59.35
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	779.62	67.08
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	823.84	68.37
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	868.06	69.67
08 12 16 00-0020		Two Piece Aluminum Door Frames *(08 12 16)*		
08 12 16 00-0021		4-1/8" x 3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0020)*		
08 12 16 00-0022	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	3,651.20	28.38
08 12 16 00-0023	EA	Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	3,651.20	28.38
08 12 16 00-0024		4-3/4" x 1-3/8" Two Piece Aluminum Door Frames *(08 12 16 00-0020)*		
08 12 16 00-0025	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	3,651.20	28.38
08 12 16 00-0026	EA	Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	3,651.20	28.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	483.58	28.38
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*136.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-25.60*	
		For >100, Deduct	*-37.69*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	483.58	28.38
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*136.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-25.60*	
		For >100, Deduct	*-37.69*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	494.90	29.67
		For Galvanized Steel Door, Add	*87.11*	
		For Type 304 Stainless Steel Door, Add	*348.44*	
		For Type 316 Stainless Steel Door, Add	*566.22*	
		For Embossed Panel Door, Add	*104.53*	
		For Baked Enamel Finish, Add	*139.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.23*	
		For >100, Deduct	*-38.60*	
		For Polystyrene Core, Add	*43.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*108.89*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	501.40	29.67
		For Galvanized Steel Door, Add	*88.41*	
		For Type 304 Stainless Steel Door, Add	*353.64*	
		For Type 316 Stainless Steel Door, Add	*574.67*	
		For Embossed Panel Door, Add	*106.09*	
		For Baked Enamel Finish, Add	*141.52*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-39.09*	
		For Polystyrene Core, Add	*44.21*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	505.29	30.32
		For Galvanized Steel Door, Add	*88.93*	
		For Type 304 Stainless Steel Door, Add	*355.72*	
		For Type 316 Stainless Steel Door, Add	*578.05*	
		For Embossed Panel Door, Add	*106.72*	
		For Baked Enamel Finish, Add	*142.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-39.41*	
		For Polystyrene Core, Add	*44.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.16*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	509.17	30.96
		For Galvanized Steel Door, Add	*89.45*	
		For Type 304 Stainless Steel Door, Add	*357.80*	
		For Type 316 Stainless Steel Door, Add	*581.43*	
		For Embossed Panel Door, Add	*107.34*	
		For Baked Enamel Finish, Add	*143.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.01*	
		For >100, Deduct	*-39.74*	
		For Polystyrene Core, Add	*44.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.81*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	542.98	30.96
		For Galvanized Steel Door, Add	*96.21*	
		For Type 304 Stainless Steel Door, Add	*384.85*	
		For Type 316 Stainless Steel Door, Add	*625.38*	
		For Embossed Panel Door, Add	*115.45*	
		For Baked Enamel Finish, Add	*153.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.70*	
		For >100, Deduct	*-42.27*	
		For Polystyrene Core, Add	*48.11*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.27*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	558.56	32.25
		For Galvanized Steel Door, Add	*98.81*	
		For Type 304 Stainless Steel Door, Add	*395.25*	
		For Type 316 Stainless Steel Door, Add	*642.28*	
		For Embossed Panel Door, Add	*118.57*	
		For Baked Enamel Finish, Add	*157.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.54*	
		For >100, Deduct	*-43.50*	
		For Polystyrene Core, Add	*49.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.52*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	615.73	34.83
		For Galvanized Steel Door, Add	*109.21*	
		For Type 304 Stainless Steel Door, Add	*436.85*	
		For Type 316 Stainless Steel Door, Add	*709.88*	
		For Embossed Panel Door, Add	*131.05*	
		For Baked Enamel Finish, Add	*174.27*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.53*	
		For >100, Deduct	*-47.92*	
		For Polystyrene Core, Add	*54.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.52*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	494.76	28.38
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*139.91*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-38.53*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	494.76	28.38
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*139.91*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.16*	
		For >100, Deduct	*-38.53*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	506.31	29.67
		For Galvanized Steel Door, Add	*89.39*	
		For Type 304 Stainless Steel Door, Add	*357.57*	
		For Type 316 Stainless Steel Door, Add	*581.05*	
		For Embossed Panel Door, Add	*107.27*	
		For Baked Enamel Finish, Add	*142.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.80*	
		For >100, Deduct	*-39.46*	
		For Polystyrene Core, Add	*44.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.74*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	512.98	29.67
		For Galvanized Steel Door, Add	*90.73*	
		For Type 304 Stainless Steel Door, Add	*362.90*	
		For Type 316 Stainless Steel Door, Add	*589.72*	
		For Embossed Panel Door, Add	*108.87*	
		For Baked Enamel Finish, Add	*144.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.13*	
		For >100, Deduct	*-39.96*	
		For Polystyrene Core, Add	*45.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.41*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	516.94	30.32
		For Galvanized Steel Door, Add	*91.26*	
		For Type 304 Stainless Steel Door, Add	*365.04*	
		For Type 316 Stainless Steel Door, Add	*593.19*	
		For Embossed Panel Door, Add	*109.51*	
		For Baked Enamel Finish, Add	*145.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-40.29*	
		For Polystyrene Core, Add	*45.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.08*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	520.89	30.96
		For Galvanized Steel Door, Add	*91.79*	
		For Type 304 Stainless Steel Door, Add	*367.18*	
		For Type 316 Stainless Steel Door, Add	*596.66*	
		For Embossed Panel Door, Add	*110.15*	
		For Baked Enamel Finish, Add	*146.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.59*	
		For >100, Deduct	*-40.61*	
		For Polystyrene Core, Add	*45.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	555.58	30.96
		For Galvanized Steel Door, Add	*98.73*	
		For Type 304 Stainless Steel Door, Add	*394.93*	
		For Type 316 Stainless Steel Door, Add	*641.76*	
		For Embossed Panel Door, Add	*118.48*	
		For Baked Enamel Finish, Add	*157.39*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.33*	
		For >100, Deduct	*-43.22*	
		For Polystyrene Core, Add	*49.37*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.42*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	571.50	32.25
		For Galvanized Steel Door, Add	*101.40*	
		For Type 304 Stainless Steel Door, Add	*405.60*	
		For Type 316 Stainless Steel Door, Add	*659.10*	
		For Embossed Panel Door, Add	*121.68*	
		For Baked Enamel Finish, Add	*161.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-30.19*	
		For >100, Deduct	*-44.48*	
		For Polystyrene Core, Add	*50.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.75*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	630.04	34.83
		For Galvanized Steel Door, Add	*112.07*	
		For Type 304 Stainless Steel Door, Add	*448.30*	
		For Type 316 Stainless Steel Door, Add	*728.48*	
		For Embossed Panel Door, Add	*134.49*	
		For Baked Enamel Finish, Add	*178.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.24*	
		For >100, Deduct	*-48.99*	
		For Polystyrene Core, Add	*56.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.09*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	505.63	28.38
		For Galvanized Steel Door, Add	*89.77*	
		For Type 304 Stainless Steel Door, Add	*359.10*	
		For Type 316 Stainless Steel Door, Add	*583.53*	
		For Embossed Panel Door, Add	*107.73*	
		For Baked Enamel Finish, Add	*143.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.70*	
		For >100, Deduct	*-39.34*	
		For Polystyrene Core, Add	*44.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	505.63	28.38
		For Galvanized Steel Door, Add	*89.77*	
		For Type 304 Stainless Steel Door, Add	*359.10*	
		For Type 316 Stainless Steel Door, Add	*583.53*	
		For Embossed Panel Door, Add	*107.73*	
		For Baked Enamel Finish, Add	*143.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-26.70*	
		For >100, Deduct	*-39.34*	
		For Polystyrene Core, Add	*44.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	517.40	29.67
		For Galvanized Steel Door, Add	*91.61*	
		For Type 304 Stainless Steel Door, Add	*366.44*	
		For Type 316 Stainless Steel Door, Add	*595.47*	
		For Embossed Panel Door, Add	*109.93*	
		For Baked Enamel Finish, Add	*146.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-40.29*	
		For Polystyrene Core, Add	*45.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.51*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	524.23	29.67
		For Galvanized Steel Door, Add	*92.98*	
		For Type 304 Stainless Steel Door, Add	*371.90*	
		For Type 316 Stainless Steel Door, Add	*604.34*	
		For Embossed Panel Door, Add	*111.57*	
		For Baked Enamel Finish, Add	*148.37*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.70*	
		For >100, Deduct	*-40.80*	
		For Polystyrene Core, Add	*46.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.22*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	528.25	30.32
		For Galvanized Steel Door, Add	*93.52*	
		For Type 304 Stainless Steel Door, Add	*374.09*	
		For Type 316 Stainless Steel Door, Add	*607.89*	
		For Embossed Panel Door, Add	*112.23*	
		For Baked Enamel Finish, Add	*149.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.93*	
		For >100, Deduct	*-41.13*	
		For Polystyrene Core, Add	*46.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.90*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	532.27	30.96
		For Galvanized Steel Door, Add	*94.07*	
		For Type 304 Stainless Steel Door, Add	*376.28*	
		For Type 316 Stainless Steel Door, Add	*611.46*	
		For Embossed Panel Door, Add	*112.88*	
		For Baked Enamel Finish, Add	*150.39*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.16*	
		For >100, Deduct	*-41.47*	
		For Polystyrene Core, Add	*47.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.59*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	567.82	30.96
		For Galvanized Steel Door, Add	*101.18*	
		For Type 304 Stainless Steel Door, Add	*404.72*	
		For Type 316 Stainless Steel Door, Add	*657.67*	
		For Embossed Panel Door, Add	*121.42*	
		For Baked Enamel Finish, Add	*161.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.94*	
		For >100, Deduct	*-44.13*	
		For Polystyrene Core, Add	*50.59*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.48*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	584.08	32.25
		For Galvanized Steel Door, Add	*103.92*	
		For Type 304 Stainless Steel Door, Add	*415.66*	
		For Type 316 Stainless Steel Door, Add	*675.45*	
		For Embossed Panel Door, Add	*124.70*	
		For Baked Enamel Finish, Add	*165.55*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-45.42*	
		For Polystyrene Core, Add	*51.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	643.94	34.83
		For Galvanized Steel Door, Add	*114.85*	
		For Type 304 Stainless Steel Door, Add	*459.42*	
		For Type 316 Stainless Steel Door, Add	*746.55*	
		For Embossed Panel Door, Add	*137.82*	
		For Baked Enamel Finish, Add	*182.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.94*	
		For >100, Deduct	*-50.04*	
		For Polystyrene Core, Add	*57.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.57*	

08 13 13 13-0032 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	518.11	28.38
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*146.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-40.28*	
		For 2" Thick Door, Add	*34.87*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	518.11	28.38
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*146.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-40.28*	
		For 2" Thick Door, Add	*34.87*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	530.14	29.67
		For Galvanized Steel Door, Add	*94.16*	
		For Type 304 Stainless Steel Door, Add	*376.63*	
		For Type 316 Stainless Steel Door, Add	*612.03*	
		For Embossed Panel Door, Add	*112.99*	
		For Baked Enamel Finish, Add	*150.14*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.99*	
		For >100, Deduct	*-41.24*	
		For 2" Thick Door, Add	*35.62*	
		For Polystyrene Core, Add	*47.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.70*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	537.16	29.67
		For Galvanized Steel Door, Add	*95.56*	
		For Type 304 Stainless Steel Door, Add	*382.25*	
		For Type 316 Stainless Steel Door, Add	*621.15*	
		For Embossed Panel Door, Add	*114.67*	
		For Baked Enamel Finish, Add	*152.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-41.77*	
		For 2" Thick Door, Add	*36.12*	
		For Polystyrene Core, Add	*47.78*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	541.25	30.32
		For Galvanized Steel Door, Add	*96.12*	
		For Type 304 Stainless Steel Door, Add	*384.49*	
		For Type 316 Stainless Steel Door, Add	*624.79*	
		For Embossed Panel Door, Add	*115.35*	
		For Baked Enamel Finish, Add	*153.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-42.11*	
		For 2" Thick Door, Add	*36.36*	
		For Polystyrene Core, Add	*48.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.15*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	545.35	30.96
		For Galvanized Steel Door, Add	*96.69*	
		For Type 304 Stainless Steel Door, Add	*386.74*	
		For Type 316 Stainless Steel Door, Add	*628.46*	
		For Embossed Panel Door, Add	*116.02*	
		For Baked Enamel Finish, Add	*154.32*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-42.45*	
		For 2" Thick Door, Add	*36.60*	
		For Polystyrene Core, Add	*48.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.86*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	581.89	30.96
		For Galvanized Steel Door, Add	*103.99*	
		For Type 304 Stainless Steel Door, Add	*415.98*	
		For Type 316 Stainless Steel Door, Add	*675.96*	
		For Embossed Panel Door, Add	*124.79*	
		For Baked Enamel Finish, Add	*165.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-30.64*	
		For >100, Deduct	*-45.19*	
		For 2" Thick Door, Add	*39.25*	
		For Polystyrene Core, Add	*52.00*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.99*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	598.53	32.25
		For Galvanized Steel Door, Add	*106.81*	
		For Type 304 Stainless Steel Door, Add	*427.22*	
		For Type 316 Stainless Steel Door, Add	*694.24*	
		For Embossed Panel Door, Add	*128.17*	
		For Baked Enamel Finish, Add	*169.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-31.54*	
		For >100, Deduct	*-46.50*	
		For 2" Thick Door, Add	*40.33*	
		For Polystyrene Core, Add	*53.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.51*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	659.91	34.83
		For Galvanized Steel Door, Add	*118.05*	
		For Type 304 Stainless Steel Door, Add	*472.19*	
		For Type 316 Stainless Steel Door, Add	*767.31*	
		For Embossed Panel Door, Add	*141.66*	
		For Baked Enamel Finish, Add	*187.52*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.74*	
		For >100, Deduct	*-51.24*	
		For 2" Thick Door, Add	*44.53*	
		For Polystyrene Core, Add	*59.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*147.56*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	529.06	28.38
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*150.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-41.10*	
		For 2" Thick Door, Add	*35.66*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	529.06	28.38
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*150.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-41.10*	
		For 2" Thick Door, Add	*35.66*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	541.31	29.67
		For Galvanized Steel Door, Add	*96.39*	
		For Type 304 Stainless Steel Door, Add	*385.57*	
		For Type 316 Stainless Steel Door, Add	*626.55*	
		For Embossed Panel Door, Add	*115.67*	
		For Baked Enamel Finish, Add	*153.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.55*	
		For >100, Deduct	*-42.08*	
		For 2" Thick Door, Add	*36.43*	
		For Polystyrene Core, Add	*48.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.49*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	548.50	29.67
		For Galvanized Steel Door, Add	*97.83*	
		For Type 304 Stainless Steel Door, Add	*391.32*	
		For Type 316 Stainless Steel Door, Add	*635.90*	
		For Embossed Panel Door, Add	*117.40*	
		For Baked Enamel Finish, Add	*155.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.91*	
		For >100, Deduct	*-42.62*	
		For 2" Thick Door, Add	*36.95*	
		For Polystyrene Core, Add	*48.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.29*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	552.67	30.32
		For Galvanized Steel Door, Add	*98.41*	
		For Type 304 Stainless Steel Door, Add	*393.62*	
		For Type 316 Stainless Steel Door, Add	*639.64*	
		For Embossed Panel Door, Add	*118.09*	
		For Baked Enamel Finish, Add	*156.71*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.15*	
		For >100, Deduct	*-42.97*	
		For 2" Thick Door, Add	*37.19*	
		For Polystyrene Core, Add	*49.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	556.83	30.96
		For Galvanized Steel Door, Add	*98.98*	
		For Type 304 Stainless Steel Door, Add	*395.93*	
		For Type 316 Stainless Steel Door, Add	*643.38*	
		For Embossed Panel Door, Add	*118.78*	
		For Baked Enamel Finish, Add	*157.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.39*	
		For >100, Deduct	*-43.31*	
		For 2" Thick Door, Add	*37.43*	
		For Polystyrene Core, Add	*49.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.73*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	594.23	30.96
		For Galvanized Steel Door, Add	*106.46*	
		For Type 304 Stainless Steel Door, Add	*425.85*	
		For Type 316 Stainless Steel Door, Add	*692.00*	
		For Embossed Panel Door, Add	*127.75*	
		For Baked Enamel Finish, Add	*168.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-46.12*	
		For 2" Thick Door, Add	*40.14*	
		For Polystyrene Core, Add	*53.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.08*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	611.20	32.25
		For Galvanized Steel Door, Add	*109.34*	
		For Type 304 Stainless Steel Door, Add	*437.36*	
		For Type 316 Stainless Steel Door, Add	*710.71*	
		For Embossed Panel Door, Add	*131.21*	
		For Baked Enamel Finish, Add	*173.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.17*	
		For >100, Deduct	*-47.45*	
		For 2" Thick Door, Add	*41.25*	
		For Polystyrene Core, Add	*54.67*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.68*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	673.92	34.83
		For Galvanized Steel Door, Add	*120.85*	
		For Type 304 Stainless Steel Door, Add	*483.40*	
		For Type 316 Stainless Steel Door, Add	*785.53*	
		For Embossed Panel Door, Add	*145.02*	
		For Baked Enamel Finish, Add	*191.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.44*	
		For >100, Deduct	*-52.29*	
		For 2" Thick Door, Add	*45.55*	
		For Polystyrene Core, Add	*60.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*151.06*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	540.01	28.38
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*153.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.42*	
		For >100, Deduct	*-41.92*	
		For 2" Thick Door, Add	*36.45*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	540.01	28.38
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*153.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-28.42*	
		For >100, Deduct	*-41.92*	
		For 2" Thick Door, Add	*36.45*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	552.48	29.67
		For Galvanized Steel Door, Add	*98.63*	
		For Type 304 Stainless Steel Door, Add	*394.50*	
		For Type 316 Stainless Steel Door, Add	*641.07*	
		For Embossed Panel Door, Add	*118.35*	
		For Baked Enamel Finish, Add	*156.84*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.11*	
		For >100, Deduct	*-42.92*	
		For 2" Thick Door, Add	*37.24*	
		For Polystyrene Core, Add	*49.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.28*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	559.84	29.67
		For Galvanized Steel Door, Add	*100.10*	
		For Type 304 Stainless Steel Door, Add	*400.39*	
		For Type 316 Stainless Steel Door, Add	*650.64*	
		For Embossed Panel Door, Add	*120.12*	
		For Baked Enamel Finish, Add	*159.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.48*	
		For >100, Deduct	*-43.47*	
		For 2" Thick Door, Add	*37.77*	
		For Polystyrene Core, Add	*50.05*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.12*	
08 13 13 13-0058	EA	2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	564.08	30.32
		For Galvanized Steel Door, Add	*100.69*	
		For Type 304 Stainless Steel Door, Add	*402.75*	
		For Type 316 Stainless Steel Door, Add	*654.47*	
		For Embossed Panel Door, Add	*120.83*	
		For Baked Enamel Finish, Add	*160.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.72*	
		For >100, Deduct	*-43.82*	
		For 2" Thick Door, Add	*38.02*	
		For Polystyrene Core, Add	*50.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.86*	
08 13 13 13-0059	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	568.30	30.96
		For Galvanized Steel Door, Add	*101.28*	
		For Type 304 Stainless Steel Door, Add	*405.10*	
		For Type 316 Stainless Steel Door, Add	*658.29*	
		For Embossed Panel Door, Add	*121.53*	
		For Baked Enamel Finish, Add	*161.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-44.17*	
		For 2" Thick Door, Add	*38.26*	
		For Polystyrene Core, Add	*50.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	606.57	30.96
		For Galvanized Steel Door, Add	*108.93*	
		For Type 304 Stainless Steel Door, Add	*435.72*	
		For Type 316 Stainless Steel Door, Add	*708.05*	
		For Embossed Panel Door, Add	*130.72*	
		For Baked Enamel Finish, Add	*172.68*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-31.88*	
		For >100, Deduct	*-47.04*	
		For 2" Thick Door, Add	*41.04*	
		For Polystyrene Core, Add	*54.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.16*	
08 13 13 13-0061	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	623.87	32.25
		For Galvanized Steel Door, Add	*111.87*	
		For Type 304 Stainless Steel Door, Add	*447.50*	
		For Type 316 Stainless Steel Door, Add	*727.18*	
		For Embossed Panel Door, Add	*134.25*	
		For Baked Enamel Finish, Add	*177.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.81*	
		For >100, Deduct	*-48.40*	
		For 2" Thick Door, Add	*42.17*	
		For Polystyrene Core, Add	*55.94*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*139.84*	
08 13 13 13-0062	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	687.93	34.83
		For Galvanized Steel Door, Add	*123.65*	
		For Type 304 Stainless Steel Door, Add	*494.61*	
		For Type 316 Stainless Steel Door, Add	*803.74*	
		For Embossed Panel Door, Add	*148.38*	
		For Baked Enamel Finish, Add	*195.93*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-53.34*	
		For 2" Thick Door, Add	*46.57*	
		For Polystyrene Core, Add	*61.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.57*	

08 13 13 13-0063 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0064	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	630.33	28.38
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*180.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.94*	
		For >100, Deduct	*-48.69*	
		For 2" Thick Door, Add	*43.00*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	
08 13 13 13-0065	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	630.33	28.38
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*180.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-32.94*	
		For >100, Deduct	*-48.69*	
		For 2" Thick Door, Add	*43.00*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	644.65	29.67
		For Up To 1' Extra Height, Add	*161.95*	
		For 1' To 1'-6" Extra Height, Add	*308.98*	
		For Galvanized Steel Door, Add	*117.06*	
		For Type 304 Stainless Steel Door, Add	*468.24*	
		For Type 316 Stainless Steel Door, Add	*760.89*	
		For Embossed Panel Door, Add	*140.47*	
		For Baked Enamel Finish, Add	*184.49*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.72*	
		For >100, Deduct	*-49.83*	
		For 2" Thick Door, Add	*43.92*	
		For Polystyrene Core, Add	*58.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.33*	
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	653.38	29.67
		For Up To 1' Extra Height, Add	*164.37*	
		For 1' To 1'-6" Extra Height, Add	*313.59*	
		For Galvanized Steel Door, Add	*118.81*	
		For Type 304 Stainless Steel Door, Add	*475.22*	
		For Type 316 Stainless Steel Door, Add	*772.24*	
		For Embossed Panel Door, Add	*142.57*	
		For Baked Enamel Finish, Add	*187.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.15*	
		For >100, Deduct	*-50.49*	
		For 2" Thick Door, Add	*44.55*	
		For Polystyrene Core, Add	*59.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*148.51*	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	658.16	30.32
		For Up To 1' Extra Height, Add	*165.33*	
		For 1' To 1'-6" Extra Height, Add	*315.43*	
		For Galvanized Steel Door, Add	*119.50*	
		For Type 304 Stainless Steel Door, Add	*478.02*	
		For Type 316 Stainless Steel Door, Add	*776.78*	
		For Embossed Panel Door, Add	*143.40*	
		For Baked Enamel Finish, Add	*188.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-50.88*	
		For 2" Thick Door, Add	*44.84*	
		For Polystyrene Core, Add	*59.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.38*	
08 13 13 13-0069	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	662.94	30.96
		For Up To 1' Extra Height, Add	*166.30*	
		For 1' To 1'-6" Extra Height, Add	*317.28*	
		For Galvanized Steel Door, Add	*120.20*	
		For Type 304 Stainless Steel Door, Add	*480.82*	
		For Type 316 Stainless Steel Door, Add	*781.33*	
		For Embossed Panel Door, Add	*144.24*	
		For Baked Enamel Finish, Add	*189.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.70*	
		For >100, Deduct	*-51.27*	
		For 2" Thick Door, Add	*45.12*	
		For Polystyrene Core, Add	*60.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*150.26*	
08 13 13 13-0070	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	708.37	30.96
		For Up To 1' Extra Height, Add	*178.87*	
		For 1' To 1'-6" Extra Height, Add	*341.26*	
		For Galvanized Steel Door, Add	*129.29*	
		For Type 304 Stainless Steel Door, Add	*517.16*	
		For Type 316 Stainless Steel Door, Add	*840.39*	
		For Embossed Panel Door, Add	*155.15*	
		For Baked Enamel Finish, Add	*203.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.97*	
		For >100, Deduct	*-54.68*	
		For 2" Thick Door, Add	*48.42*	
		For Polystyrene Core, Add	*64.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*161.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	728.42	32.25
		For Up To 1' Extra Height, Add	*183.71*	
		For 1' To 1'-6" Extra Height, Add	*350.48*	
		For Galvanized Steel Door, Add	*132.78*	
		For Type 304 Stainless Steel Door, Add	*531.14*	
		For Type 316 Stainless Steel Door, Add	*863.10*	
		For Embossed Panel Door, Add	*159.34*	
		For Baked Enamel Finish, Add	*208.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.03*	
		For >100, Deduct	*-56.24*	
		For 2" Thick Door, Add	*49.75*	
		For Polystyrene Core, Add	*66.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.98*	
08 13 13 13-0072	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	803.47	34.83
		For Up To 1' Extra Height, Add	*203.04*	
		For 1' To 1'-6" Extra Height, Add	*387.37*	
		For Galvanized Steel Door, Add	*146.76*	
		For Type 304 Stainless Steel Door, Add	*587.04*	
		For Type 316 Stainless Steel Door, Add	*953.94*	
		For Embossed Panel Door, Add	*176.11*	
		For Baked Enamel Finish, Add	*230.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.92*	
		For >100, Deduct	*-62.00*	
		For 2" Thick Door, Add	*54.94*	
		For Polystyrene Core, Add	*73.38*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*183.45*	

08 13 13 13-0073 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0074 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0075	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	695.73	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*200.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.21*	
		For >100, Deduct	*-53.60*	
		For 2" Thick Door, Add	*47.74*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	
08 13 13 13-0076	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	695.73	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*200.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.21*	
		For >100, Deduct	*-53.60*	
		For 2" Thick Door, Add	*47.74*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	711.39	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*260.82*	
		For Galvanized Steel Door, Add	*130.41*	
		For Type 304 Stainless Steel Door, Add	*521.63*	
		For Type 316 Stainless Steel Door, Add	*847.65*	
		For Embossed Panel Door, Add	*156.49*	
		For Baked Enamel Finish, Add	*204.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.05*	
		For >100, Deduct	*-54.84*	
		For 2" Thick Door, Add	*48.76*	
		For Polystyrene Core, Add	*65.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.01*	
08 13 13 13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	721.12	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*264.71*	
		For Galvanized Steel Door, Add	*132.35*	
		For Type 304 Stainless Steel Door, Add	*529.42*	
		For Type 316 Stainless Steel Door, Add	*860.30*	
		For Embossed Panel Door, Add	*158.82*	
		For Baked Enamel Finish, Add	*207.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.54*	
		For >100, Deduct	*-55.57*	
		For 2" Thick Door, Add	*49.46*	
		For Polystyrene Core, Add	*66.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.44*	
08 13 13 13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	726.32	30.32
		For 14 Gauge, Level 4 Maximum Duty, Add	*266.27*	
		For Galvanized Steel Door, Add	*133.14*	
		For Type 304 Stainless Steel Door, Add	*532.54*	
		For Type 316 Stainless Steel Door, Add	*865.38*	
		For Embossed Panel Door, Add	*159.76*	
		For Baked Enamel Finish, Add	*208.80*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.83*	
		For >100, Deduct	*-55.99*	
		For 2" Thick Door, Add	*49.78*	
		For Polystyrene Core, Add	*66.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.42*	
08 13 13 13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	731.48	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.82*	
		For Galvanized Steel Door, Add	*133.91*	
		For Type 304 Stainless Steel Door, Add	*535.65*	
		For Type 316 Stainless Steel Door, Add	*870.43*	
		For Embossed Panel Door, Add	*160.69*	
		For Baked Enamel Finish, Add	*210.16*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.12*	
		For >100, Deduct	*-56.41*	
		For 2" Thick Door, Add	*50.09*	
		For Polystyrene Core, Add	*66.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.39*	
08 13 13 13-0081	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	782.08	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.06*	
		For Galvanized Steel Door, Add	*144.03*	
		For Type 304 Stainless Steel Door, Add	*576.13*	
		For Type 316 Stainless Steel Door, Add	*936.21*	
		For Embossed Panel Door, Add	*172.84*	
		For Baked Enamel Finish, Add	*225.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.65*	
		For >100, Deduct	*-60.20*	
		For 2" Thick Door, Add	*53.76*	
		For Polystyrene Core, Add	*72.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0082	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	804.13	32.25
		For 14 Gauge, Level 4 Maximum Duty, Add	*295.85*	
		For Galvanized Steel Door, Add	*147.93*	
		For Type 304 Stainless Steel Door, Add	*591.70*	
		For Type 316 Stainless Steel Door, Add	*961.52*	
		For Embossed Panel Door, Add	*177.51*	
		For Baked Enamel Finish, Add	*231.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.82*	
		For >100, Deduct	*-61.92*	
		For 2" Thick Door, Add	*55.24*	
		For Polystyrene Core, Add	*73.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.91*	
08 13 13 13-0083	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	887.15	34.83
		For 14 Gauge, Level 4 Maximum Duty, Add	*326.99*	
		For Galvanized Steel Door, Add	*163.50*	
		For Type 304 Stainless Steel Door, Add	*653.98*	
		For Type 316 Stainless Steel Door, Add	*1,062.72*	
		For Embossed Panel Door, Add	*196.20*	
		For Baked Enamel Finish, Add	*255.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.10*	
		For >100, Deduct	*-68.28*	
		For 2" Thick Door, Add	*61.01*	
		For Polystyrene Core, Add	*81.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*204.37*	

08 13 13 13-0084 7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0085	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	710.90	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*204.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.96*	
		For >100, Deduct	*-54.74*	
		For 2" Thick Door, Add	*48.84*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
08 13 13 13-0086	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	710.90	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*204.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.96*	
		For >100, Deduct	*-54.74*	
		For 2" Thick Door, Add	*48.84*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
08 13 13 13-0087	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	726.86	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.00*	
		For Galvanized Steel Door, Add	*133.50*	
		For Type 304 Stainless Steel Door, Add	*534.01*	
		For Type 316 Stainless Steel Door, Add	*867.76*	
		For Embossed Panel Door, Add	*160.20*	
		For Baked Enamel Finish, Add	*209.16*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.83*	
		For >100, Deduct	*-56.00*	
		For 2" Thick Door, Add	*49.88*	
		For Polystyrene Core, Add	*66.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0088	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	736.83	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*270.99*	
		For Galvanized Steel Door, Add	*135.50*	
		For Type 304 Stainless Steel Door, Add	*541.98*	
		For Type 316 Stainless Steel Door, Add	*880.72*	
		For Embossed Panel Door, Add	*162.60*	
		For Baked Enamel Finish, Add	*212.15*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-56.75*	
		For 2" Thick Door, Add	*50.60*	
		For Polystyrene Core, Add	*67.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.37*	
08 13 13 13-0089	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	742.10	30.32
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.58*	
		For Galvanized Steel Door, Add	*136.29*	
		For Type 304 Stainless Steel Door, Add	*545.17*	
		For Type 316 Stainless Steel Door, Add	*885.90*	
		For Embossed Panel Door, Add	*163.55*	
		For Baked Enamel Finish, Add	*213.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.62*	
		For >100, Deduct	*-57.17*	
		For 2" Thick Door, Add	*50.92*	
		For Polystyrene Core, Add	*68.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.37*	
08 13 13 13-0090	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	747.36	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.18*	
		For Galvanized Steel Door, Add	*137.09*	
		For Type 304 Stainless Steel Door, Add	*548.35*	
		For Type 316 Stainless Steel Door, Add	*891.07*	
		For Embossed Panel Door, Add	*164.51*	
		For Baked Enamel Finish, Add	*214.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.92*	
		For >100, Deduct	*-57.60*	
		For 2" Thick Door, Add	*51.24*	
		For Polystyrene Core, Add	*68.54*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.36*	
08 13 13 13-0091	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	799.17	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*294.90*	
		For Galvanized Steel Door, Add	*147.45*	
		For Type 304 Stainless Steel Door, Add	*589.80*	
		For Type 316 Stainless Steel Door, Add	*958.43*	
		For Embossed Panel Door, Add	*176.94*	
		For Baked Enamel Finish, Add	*230.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.51*	
		For >100, Deduct	*-61.49*	
		For 2" Thick Door, Add	*55.00*	
		For Polystyrene Core, Add	*73.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.31*	
08 13 13 13-0092	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	821.68	32.25
		For 14 Gauge, Level 4 Maximum Duty, Add	*302.87*	
		For Galvanized Steel Door, Add	*151.44*	
		For Type 304 Stainless Steel Door, Add	*605.74*	
		For Type 316 Stainless Steel Door, Add	*984.33*	
		For Embossed Panel Door, Add	*181.72*	
		For Baked Enamel Finish, Add	*236.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.70*	
		For >100, Deduct	*-63.24*	
		For 2" Thick Door, Add	*56.51*	
		For Polystyrene Core, Add	*75.72*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*189.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0093	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	906.55	34.83
		For 14 Gauge, Level 4 Maximum Duty, Add	*334.75*	
		For Galvanized Steel Door, Add	*167.38*	
		For Type 304 Stainless Steel Door, Add	*669.50*	
		For Type 316 Stainless Steel Door, Add	*1,087.94*	
		For Embossed Panel Door, Add	*200.85*	
		For Baked Enamel Finish, Add	*261.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.07*	
		For >100, Deduct	*-69.73*	
		For 2" Thick Door, Add	*62.42*	
		For Polystyrene Core, Add	*83.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*209.22*	

08 13 13 13-0094 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0095	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	726.06	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*209.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.72*	
		For >100, Deduct	*-55.87*	
		For 2" Thick Door, Add	*49.94*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
08 13 13 13-0096	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	726.06	28.38
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*209.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.72*	
		For >100, Deduct	*-55.87*	
		For 2" Thick Door, Add	*49.94*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
08 13 13 13-0097	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	742.34	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*273.20*	
		For Galvanized Steel Door, Add	*136.60*	
		For Type 304 Stainless Steel Door, Add	*546.39*	
		For Type 316 Stainless Steel Door, Add	*887.89*	
		For Embossed Panel Door, Add	*163.92*	
		For Baked Enamel Finish, Add	*213.80*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.60*	
		For >100, Deduct	*-57.16*	
		For 2" Thick Door, Add	*51.00*	
		For Polystyrene Core, Add	*68.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.75*	
08 13 13 13-0098	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	752.53	29.67
		For 14 Gauge, Level 4 Maximum Duty, Add	*277.27*	
		For Galvanized Steel Door, Add	*138.64*	
		For Type 304 Stainless Steel Door, Add	*554.54*	
		For Type 316 Stainless Steel Door, Add	*901.13*	
		For Embossed Panel Door, Add	*166.36*	
		For Baked Enamel Finish, Add	*216.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.11*	
		For >100, Deduct	*-57.92*	
		For 2" Thick Door, Add	*51.74*	
		For Polystyrene Core, Add	*69.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	757.91	30.32
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.91*	
		For Galvanized Steel Door, Add	*139.45*	
		For Type 304 Stainless Steel Door, Add	*557.82*	
		For Type 316 Stainless Steel Door, Add	*906.45*	
		For Embossed Panel Door, Add	*167.34*	
		For Baked Enamel Finish, Add	*218.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-58.36*	
		For 2" Thick Door, Add	*52.07*	
		For Polystyrene Core, Add	*69.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.32*	
08 13 13 13-0100	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	763.26	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*280.54*	
		For Galvanized Steel Door, Add	*140.27*	
		For Type 304 Stainless Steel Door, Add	*561.07*	
		For Type 316 Stainless Steel Door, Add	*911.74*	
		For Embossed Panel Door, Add	*168.32*	
		For Baked Enamel Finish, Add	*219.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.71*	
		For >100, Deduct	*-58.79*	
		For 2" Thick Door, Add	*52.40*	
		For Polystyrene Core, Add	*70.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*175.34*	
08 13 13 13-0101	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	816.27	30.96
		For 14 Gauge, Level 4 Maximum Duty, Add	*301.74*	
		For Galvanized Steel Door, Add	*150.87*	
		For Type 304 Stainless Steel Door, Add	*603.48*	
		For Type 316 Stainless Steel Door, Add	*980.66*	
		For Embossed Panel Door, Add	*181.04*	
		For Baked Enamel Finish, Add	*235.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.36*	
		For >100, Deduct	*-62.77*	
		For 2" Thick Door, Add	*56.24*	
		For Polystyrene Core, Add	*75.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*188.59*	
08 13 13 13-0102	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	839.23	32.25
		For 14 Gauge, Level 4 Maximum Duty, Add	*309.89*	
		For Galvanized Steel Door, Add	*154.95*	
		For Type 304 Stainless Steel Door, Add	*619.78*	
		For Type 316 Stainless Steel Door, Add	*1,007.15*	
		For Embossed Panel Door, Add	*185.94*	
		For Baked Enamel Finish, Add	*242.09*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.57*	
		For >100, Deduct	*-64.55*	
		For 2" Thick Door, Add	*57.78*	
		For Polystyrene Core, Add	*77.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*193.68*	
08 13 13 13-0103	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	925.95	34.83
		For 14 Gauge, Level 4 Maximum Duty, Add	*342.51*	
		For Galvanized Steel Door, Add	*171.26*	
		For Type 304 Stainless Steel Door, Add	*685.02*	
		For Type 316 Stainless Steel Door, Add	*1,113.16*	
		For Embossed Panel Door, Add	*205.51*	
		For Baked Enamel Finish, Add	*267.33*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.04*	
		For >100, Deduct	*-71.19*	
		For 2" Thick Door, Add	*63.82*	
		For Polystyrene Core, Add	*85.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*214.07*	

08 13 13 13-0104 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0105	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	851.15	28.38
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*246.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.98*	
		For >100, Deduct	*-65.26*	
		For 2" Thick Door, Add	*59.01*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
08 13 13 13-0106	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	851.15	28.38
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*246.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.98*	
		For >100, Deduct	*-65.26*	
		For 2" Thick Door, Add	*59.01*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
08 13 13 13-0107	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	869.99	29.67
		For Up To 1' Extra Height, Add	*224.30*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*324.26*	
		For Galvanized Steel Door, Add	*162.13*	
		For Type 304 Stainless Steel Door, Add	*648.51*	
		For Type 316 Stainless Steel Door, Add	*1,053.83*	
		For Embossed Panel Door, Add	*194.55*	
		For Baked Enamel Finish, Add	*252.09*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.98*	
		For >100, Deduct	*-66.73*	
		For 2" Thick Door, Add	*60.26*	
		For Polystyrene Core, Add	*81.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*202.66*	
08 13 13 13-0108	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	882.09	29.67
		For Up To 1' Extra Height, Add	*227.65*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*329.10*	
		For Galvanized Steel Door, Add	*164.55*	
		For Type 304 Stainless Steel Door, Add	*658.19*	
		For Type 316 Stainless Steel Door, Add	*1,069.56*	
		For Embossed Panel Door, Add	*197.46*	
		For Baked Enamel Finish, Add	*255.72*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.59*	
		For >100, Deduct	*-67.64*	
		For 2" Thick Door, Add	*61.13*	
		For Polystyrene Core, Add	*82.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*205.69*	
08 13 13 13-0109	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	888.21	30.32
		For Up To 1' Extra Height, Add	*228.99*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*331.03*	
		For Galvanized Steel Door, Add	*165.51*	
		For Type 304 Stainless Steel Door, Add	*662.06*	
		For Type 316 Stainless Steel Door, Add	*1,075.84*	
		For Embossed Panel Door, Add	*198.62*	
		For Baked Enamel Finish, Add	*257.37*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.93*	
		For >100, Deduct	*-68.13*	
		For 2" Thick Door, Add	*61.51*	
		For Polystyrene Core, Add	*82.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0110	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	894.33	30.96
		For Up To 1' Extra Height, Add	*230.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*332.96*	
		For Galvanized Steel Door, Add	*166.48*	
		For Type 304 Stainless Steel Door, Add	*665.93*	
		For Type 316 Stainless Steel Door, Add	*1,082.13*	
		For Embossed Panel Door, Add	*199.78*	
		For Baked Enamel Finish, Add	*259.01*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.26*	
		For >100, Deduct	*-68.62*	
		For 2" Thick Door, Add	*61.90*	
		For Polystyrene Core, Add	*83.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*208.10*	
08 13 13 13-0111	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	957.25	30.96
		For Up To 1' Extra Height, Add	*247.74*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*358.13*	
		For Galvanized Steel Door, Add	*179.07*	
		For Type 304 Stainless Steel Door, Add	*716.26*	
		For Type 316 Stainless Steel Door, Add	*1,163.93*	
		For Embossed Panel Door, Add	*214.88*	
		For Baked Enamel Finish, Add	*277.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.41*	
		For >100, Deduct	*-73.34*	
		For 2" Thick Door, Add	*66.46*	
		For Polystyrene Core, Add	*89.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*223.83*	
08 13 13 13-0112	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	984.03	32.25
		For Up To 1' Extra Height, Add	*254.43*	
		For 1' To 1'-6" Extra Height, Add	*485.42*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*367.81*	
		For Galvanized Steel Door, Add	*183.91*	
		For Type 304 Stainless Steel Door, Add	*735.62*	
		For Type 316 Stainless Steel Door, Add	*1,195.39*	
		For Embossed Panel Door, Add	*220.69*	
		For Baked Enamel Finish, Add	*285.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.81*	
		For >100, Deduct	*-75.41*	
		For 2" Thick Door, Add	*68.28*	
		For Polystyrene Core, Add	*91.95*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*229.88*	
08 13 13 13-0113	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,085.99	34.83
		For Up To 1' Extra Height, Add	*281.22*	
		For 1' To 1'-6" Extra Height, Add	*536.52*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*406.53*	
		For Galvanized Steel Door, Add	*203.26*	
		For Type 304 Stainless Steel Door, Add	*813.06*	
		For Type 316 Stainless Steel Door, Add	*1,321.22*	
		For Embossed Panel Door, Add	*243.92*	
		For Baked Enamel Finish, Add	*315.35*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.04*	
		For >100, Deduct	*-83.19*	
		For 2" Thick Door, Add	*75.42*	
		For Polystyrene Core, Add	*101.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*254.08*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,545.17	64.50
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,613.14	77.40
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	727.47	38.70
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	845.70	41.28
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	963.90	43.86
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,195.18	46.44

08 13 76 Bifolding Metal Doors *(08 13)*

08 13 76 00-0001 Bi-Fold Metal Doors *(08 13 76)*

08 13 76 00-0002 Steel Full Louver Bi-Fold Doors *(08 13 76 00-0001)*

08 13 76 00-0003	EA	1'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	196.29	28.35
08 13 76 00-0004	EA	2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	212.28	30.92
08 13 76 00-0005	EA	2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	231.88	33.49
08 13 76 00-0006	EA	3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	257.83	38.65
08 13 76 00-0007	EA	4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	360.49	41.23
08 13 76 00-0008	EA	5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	396.94	43.80
08 13 76 00-0009	EA	6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	421.36	46.38

08 13 76 00-0010 Steel Half Louver, Half Panel Bi-Fold Doors *(08 13 76 00-0001)*

08 13 76 00-0011	EA	2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	226.73	30.92
08 13 76 00-0012	EA	2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	247.53	33.49
08 13 76 00-0013	EA	3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	267.46	38.65
08 13 76 00-0014	EA	4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	386.97	41.23
08 13 76 00-0015	EA	5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	416.20	43.80
08 13 76 00-0016	EA	6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	450.25	46.38

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	187.00	28.38
		For >25 To 50, Deduct	*-9.47*	
		For >50 To 100, Deduct	*-17.07*	
		For >100, Deduct	*-26.63*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	187.00	28.38
		For >25 To 50, Deduct	*-9.47*	
		For >50 To 100, Deduct	*-17.07*	
		For >100, Deduct	*-26.63*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	198.82	29.67
		For >25 To 50, Deduct	*-10.03*	
		For >50 To 100, Deduct	*-18.14*	
		For >100, Deduct	*-28.34*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	205.61	29.67
		For >25 To 50, Deduct	*-10.30*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-29.36*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	207.20	29.67
		For >25 To 50, Deduct	*-10.37*	
		For >50 To 100, Deduct	*-18.87*	
		For >100, Deduct	*-29.60*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	210.57	30.96
		For >25 To 50, Deduct	*-10.59*	
		For >50 To 100, Deduct	*-19.20*	
		For >100, Deduct	*-30.04*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	225.09	30.96
		For >25 To 50, Deduct	*-11.17*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-32.22*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	238.11	32.25
		For >25 To 50, Deduct	*-11.78*	
		For >50 To 100, Deduct	*-21.64*	
		For >100, Deduct	*-34.10*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	194.59	28.38
		For >25 To 50, Deduct	*-9.77*	
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-27.77*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	194.59	28.38
		For >25 To 50, Deduct	*-9.77*	
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-27.77*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	206.95	29.67
		For >25 To 50, Deduct	*-10.36*	
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-29.56*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	214.13	29.67
		For >25 To 50, Deduct	*-10.64*	
		For >50 To 100, Deduct	*-19.48*	
		For >100, Deduct	*-30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	215.81	29.67
		For >25 To 50, Deduct	*-10.71*	
		For >50 To 100, Deduct	*-19.63*	
		For >100, Deduct	*-30.89*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	219.22	30.96
		For >25 To 50, Deduct	*-10.94*	
		For >50 To 100, Deduct	*-19.96*	
		For >100, Deduct	*-31.34*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	234.58	30.96
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-21.30*	
		For >100, Deduct	*-33.64*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	248.21	32.25
		For >25 To 50, Deduct	*-12.19*	
		For >50 To 100, Deduct	*-22.52*	
		For >100, Deduct	*-35.62*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	221.46	28.38
		For >25 To 50, Deduct	*-10.85*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-31.80*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	221.46	28.38
		For >25 To 50, Deduct	*-10.85*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-31.80*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	235.74	29.67
		For >25 To 50, Deduct	*-11.51*	
		For >50 To 100, Deduct	*-21.37*	
		For >100, Deduct	*-33.88*	
		For 9' Door Height, Add	*37.04*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	244.30	29.67
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-22.12*	
		For >100, Deduct	*-35.16*	
		For 9' Door Height, Add	*38.84*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	246.32	29.67
		For >25 To 50, Deduct	*-11.93*	
		For >50 To 100, Deduct	*-22.29*	
		For >100, Deduct	*-35.46*	
		For 9' Door Height, Add	*39.26*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	249.88	30.96
		For >25 To 50, Deduct	*-12.16*	
		For >50 To 100, Deduct	*-22.64*	
		For >100, Deduct	*-35.93*	
		For 9' Door Height, Add	*39.47*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	268.25	30.96
		For >25 To 50, Deduct	*-12.90*	
		For >50 To 100, Deduct	*-24.25*	
		For >100, Deduct	*-38.69*	
		For 9' Door Height, Add	*43.33*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	284.02	32.25
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-25.66*	
		For >100, Deduct	*-40.99*	
		For 9' Door Height, Add	*46.10*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	320.57	28.38
		For >25 To 50, Deduct	*-14.81*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-46.67*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	320.57	28.38
		For >25 To 50, Deduct	*-14.81*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-46.67*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	341.85	29.67
		For >25 To 50, Deduct	*-15.75*	
		For >50 To 100, Deduct	*-30.65*	
		For >100, Deduct	*-49.79*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	355.61	29.67
		For >25 To 50, Deduct	*-16.30*	
		For >50 To 100, Deduct	*-31.86*	
		For >100, Deduct	*-51.86*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.04	29.67
		For >25 To 50, Deduct	*-16.40*	
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-52.22*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	363.03	30.96
		For >25 To 50, Deduct	*-16.69*	
		For >50 To 100, Deduct	*-32.54*	
		For >100, Deduct	*-52.91*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	392.40	30.96
		For >25 To 50, Deduct	*-17.86*	
		For >50 To 100, Deduct	*-35.11*	
		For >100, Deduct	*-57.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	416.14	32.25
		For >25 To 50, Deduct	*-18.90*	
		For >50 To 100, Deduct	*-37.22*	
		For >100, Deduct	*-60.81*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	335.91	28.38
		For >25 To 50, Deduct	*-15.42*	
		For >50 To 100, Deduct	*-30.10*	
		For >100, Deduct	*-48.97*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	335.91	28.38
		For >25 To 50, Deduct	*-15.42*	
		For >50 To 100, Deduct	*-30.10*	
		For >100, Deduct	*-48.97*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.30	29.67
		For >25 To 50, Deduct	*-16.41*	
		For >50 To 100, Deduct	*-32.09*	
		For >100, Deduct	*-52.26*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	372.85	29.67
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-33.37*	
		For >100, Deduct	*-54.44*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	375.41	29.67
		For >25 To 50, Deduct	*-17.09*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-54.83*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	380.54	30.96
		For >25 To 50, Deduct	*-17.39*	
		For >50 To 100, Deduct	*-34.07*	
		For >100, Deduct	*-55.53*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	411.62	30.96
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-36.79*	
		For >100, Deduct	*-60.20*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	436.60	32.25
		For >25 To 50, Deduct	*-19.72*	
		For >50 To 100, Deduct	*-39.01*	
		For >100, Deduct	*-63.88*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	390.37	28.38
		For >25 To 50, Deduct	*-17.60*	
		For >50 To 100, Deduct	*-34.87*	
		For >100, Deduct	*-57.14*	
		For 9' Door Height, Add	*70.06*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	390.37	28.38
		For >25 To 50, Deduct	*-17.60*	
		For >50 To 100, Deduct	*-34.87*	
		For >100, Deduct	*-57.14*	
		For 9' Door Height, Add	*70.06*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	416.59	29.67
		For >25 To 50, Deduct	*-18.74*	
		For >50 To 100, Deduct	*-37.19*	
		For >100, Deduct	*-61.00*	
		For 9' Door Height, Add	*75.02*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	433.96	29.67
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-38.71*	
		For >100, Deduct	*-63.61*	
		For 9' Door Height, Add	*78.67*	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	437.05	29.67
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-38.98*	
		For >100, Deduct	*-64.07*	
		For 9' Door Height, Add	*79.32*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	442.66	30.96
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-39.51*	
		For >100, Deduct	*-64.85*	
		For 9' Door Height, Add	*79.96*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	479.83	30.96
		For >25 To 50, Deduct	*-21.36*	
		For >50 To 100, Deduct	*-42.76*	
		For >100, Deduct	*-70.43*	
		For 9' Door Height, Add	*87.76*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.18	32.25
		For >25 To 50, Deduct	*-22.62*	
		For >50 To 100, Deduct	*-45.36*	
		For >100, Deduct	*-74.76*	
		For 9' Door Height, Add	*93.38*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	250.08	28.38
		For >25 To 50, Deduct	*-11.99*	
		For >50 To 100, Deduct	*-22.59*	
		For >100, Deduct	*-36.09*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	250.08	28.38
		For >25 To 50, Deduct	*-11.99*	
		For >50 To 100, Deduct	*-22.59*	
		For >100, Deduct	*-36.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	266.35	29.67
		For >25 To 50, Deduct	*-12.73*	
		For >50 To 100, Deduct	*-24.05*	
		For >100, Deduct	*-38.47*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	276.45	29.67
		For >25 To 50, Deduct	*-13.14*	
		For >50 To 100, Deduct	*-24.93*	
		For >100, Deduct	*-39.98*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	278.22	29.67
		For >25 To 50, Deduct	*-13.21*	
		For >50 To 100, Deduct	*-25.09*	
		For >100, Deduct	*-40.25*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	282.57	30.96
		For >25 To 50, Deduct	*-13.47*	
		For >50 To 100, Deduct	*-25.50*	
		For >100, Deduct	*-40.84*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	304.08	30.96
		For >25 To 50, Deduct	*-14.33*	
		For >50 To 100, Deduct	*-27.38*	
		For >100, Deduct	*-44.06*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	322.17	32.25
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-29.00*	
		For >100, Deduct	*-46.71*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	261.31	28.38
		For >25 To 50, Deduct	*-12.44*	
		For >50 To 100, Deduct	*-23.57*	
		For >100, Deduct	*-37.78*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	261.31	28.38
		For >25 To 50, Deduct	*-12.44*	
		For >50 To 100, Deduct	*-23.57*	
		For >100, Deduct	*-37.78*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	278.41	29.67
		For >25 To 50, Deduct	*-13.21*	
		For >50 To 100, Deduct	*-25.10*	
		For >100, Deduct	*-40.28*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	289.07	29.67
		For >25 To 50, Deduct	*-13.64*	
		For >50 To 100, Deduct	*-26.04*	
		For >100, Deduct	*-41.88*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	290.96	29.67
		For >25 To 50, Deduct	*-13.72*	
		For >50 To 100, Deduct	*-26.20*	
		For >100, Deduct	*-42.16*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	295.39	30.96
		For >25 To 50, Deduct	*-13.98*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-42.76*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	318.17	30.96
		For >25 To 50, Deduct	*-14.89*	
		For >50 To 100, Deduct	*-28.61*	
		For >100, Deduct	*-46.18*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.17	32.25
		For >25 To 50, Deduct	*-15.74*	
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-48.96*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	301.21	28.38
		For >25 To 50, Deduct	*-14.04*	
		For >50 To 100, Deduct	*-27.07*	
		For >100, Deduct	*-43.76*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	301.21	28.38
		For >25 To 50, Deduct	*-14.04*	
		For >50 To 100, Deduct	*-27.07*	
		For >100, Deduct	*-43.76*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	321.11	29.67
		For >25 To 50, Deduct	*-14.92*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-46.68*	
		For 9' Door Height, Add	*54.97*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	333.85	29.67
		For >25 To 50, Deduct	*-15.43*	
		For >50 To 100, Deduct	*-29.95*	
		For >100, Deduct	*-48.59*	
		For 9' Door Height, Add	*57.65*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	336.11	29.67
		For >25 To 50, Deduct	*-15.52*	
		For >50 To 100, Deduct	*-30.15*	
		For >100, Deduct	*-48.93*	
		For 9' Door Height, Add	*58.12*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	340.92	30.96
		For >25 To 50, Deduct	*-15.80*	
		For >50 To 100, Deduct	*-30.60*	
		For >100, Deduct	*-49.59*	
		For 9' Door Height, Add	*58.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	368.16	30.96
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-32.99*	
		For >100, Deduct	*-53.68*	
		For 9' Door Height, Add	*64.31*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.35	32.25
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-34.96*	
		For >100, Deduct	*-56.94*	
		For 9' Door Height, Add	*68.43*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	150.40	28.38
		For >25 To 50, Deduct	*-8.00*	
		For >50 To 100, Deduct	*-13.87*	
		For >100, Deduct	*-21.14*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	150.40	28.38
		For >25 To 50, Deduct	*-8.00*	
		For >50 To 100, Deduct	*-13.87*	
		For >100, Deduct	*-21.14*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	159.33	29.67
		For >25 To 50, Deduct	*-8.45*	
		For >50 To 100, Deduct	*-14.68*	
		For >100, Deduct	*-22.42*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	164.69	29.67
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-15.15*	
		For >100, Deduct	*-23.22*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	166.58	29.67
		For >25 To 50, Deduct	*-8.74*	
		For >50 To 100, Deduct	*-15.32*	
		For >100, Deduct	*-23.50*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	171.04	30.96
		For >25 To 50, Deduct	*-9.01*	
		For >50 To 100, Deduct	*-15.74*	
		For >100, Deduct	*-24.11*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.47	30.96
		For >25 To 50, Deduct	*-9.43*	
		For >50 To 100, Deduct	*-16.65*	
		For >100, Deduct	*-25.67*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	191.71	32.25
		For >25 To 50, Deduct	*-9.93*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-27.14*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	155.84	28.38
		For >25 To 50, Deduct	*-8.22*	
		For >50 To 100, Deduct	*-14.35*	
		For >100, Deduct	*-21.96*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	159.80	28.38
		For >25 To 50, Deduct	*-8.38*	
		For >50 To 100, Deduct	*-14.69*	
		For >100, Deduct	*-22.55*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	165.15	29.67
		For >25 To 50, Deduct	*-8.68*	
		For >50 To 100, Deduct	*-15.19*	
		For >100, Deduct	*-23.29*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	170.82	29.67
		For >25 To 50, Deduct	*-8.91*	
		For >50 To 100, Deduct	*-15.69*	
		For >100, Deduct	*-24.14*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	177.36	29.67
		For >25 To 50, Deduct	*-9.17*	
		For >50 To 100, Deduct	*-16.26*	
		For >100, Deduct	*-25.12*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	177.38	30.96
		For >25 To 50, Deduct	*-9.26*	
		For >50 To 100, Deduct	*-16.29*	
		For >100, Deduct	*-25.06*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	188.43	30.96
		For >25 To 50, Deduct	*-9.70*	
		For >50 To 100, Deduct	*-17.26*	
		For >100, Deduct	*-26.72*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	204.50	32.25
		For >25 To 50, Deduct	*-10.44*	
		For >50 To 100, Deduct	*-18.70*	
		For >100, Deduct	*-29.06*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	175.17	28.38
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-24.86*	
		For 9' Door Height, Add	*24.87*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	175.15	28.38
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-16.04*	
		For >100, Deduct	*-24.85*	
		For 9' Door Height, Add	*24.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	185.79	29.67
		For >25 To 50, Deduct	*-9.51*	
		For >50 To 100, Deduct	*-17.00*	
		For >100, Deduct	*-26.38*	
		For 9' Door Height, Add	*26.55*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	192.54	29.67
		For >25 To 50, Deduct	*-9.78*	
		For >50 To 100, Deduct	*-17.59*	
		For >100, Deduct	*-27.40*	
		For 9' Door Height, Add	*27.97*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	194.95	29.67
		For >25 To 50, Deduct	*-9.88*	
		For >50 To 100, Deduct	*-17.80*	
		For >100, Deduct	*-27.76*	
		For 9' Door Height, Add	*28.48*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	199.90	30.96
		For >25 To 50, Deduct	*-10.16*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-28.44*	
		For 9' Door Height, Add	*28.98*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	213.11	30.96
		For >25 To 50, Deduct	*-10.69*	
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-30.42*	
		For 9' Door Height, Add	*31.75*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	225.34	32.25
		For >25 To 50, Deduct	*-11.27*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-32.19*	
		For 9' Door Height, Add	*33.78*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	175.84	28.38
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-16.10*	
		For >100, Deduct	*-24.96*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	175.84	28.38
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-16.10*	
		For >100, Deduct	*-24.96*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	187.11	29.67
		For >25 To 50, Deduct	*-9.56*	
		For >50 To 100, Deduct	*-17.11*	
		For >100, Deduct	*-26.58*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	191.22	29.67
		For >25 To 50, Deduct	*-9.73*	
		For >50 To 100, Deduct	*-17.47*	
		For >100, Deduct	*-27.20*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	195.35	29.67
		For >25 To 50, Deduct	*-9.89*	
		For >50 To 100, Deduct	*-17.84*	
		For >100, Deduct	*-27.82*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	202.02	30.96
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-28.76*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	217.44	30.96
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-19.80*	
		For >100, Deduct	*-31.07*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	229.96	32.25
		For >25 To 50, Deduct	*-11.46*	
		For >50 To 100, Deduct	*-20.93*	
		For >100, Deduct	*-32.88*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	182.76	28.38
		For >25 To 50, Deduct	*-9.30*	
		For >50 To 100, Deduct	*-16.70*	
		For >100, Deduct	*-26.00*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	182.76	28.38
		For >25 To 50, Deduct	*-9.30*	
		For >50 To 100, Deduct	*-16.70*	
		For >100, Deduct	*-26.00*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	194.54	29.67
		For >25 To 50, Deduct	*-9.86*	
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-27.70*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	198.90	29.67
		For >25 To 50, Deduct	*-10.03*	
		For >50 To 100, Deduct	*-18.15*	
		For >100, Deduct	*-28.35*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	203.27	29.67
		For >25 To 50, Deduct	*-10.21*	
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-29.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	210.19	30.96
		For >25 To 50, Deduct	*-10.57*	
		For >50 To 100, Deduct	*-19.17*	
		For >100, Deduct	*-29.98*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.50	30.96
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-20.59*	
		For >100, Deduct	*-32.43*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	239.59	32.25
		For >25 To 50, Deduct	*-11.84*	
		For >50 To 100, Deduct	*-21.77*	
		For >100, Deduct	*-34.33*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	207.31	28.38
		For >25 To 50, Deduct	*-10.28*	
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-29.68*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	207.34	28.38
		For >25 To 50, Deduct	*-10.28*	
		For >50 To 100, Deduct	*-18.85*	
		For >100, Deduct	*-29.68*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	220.90	29.67
		For >25 To 50, Deduct	*-10.91*	
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-31.65*	
		For 9' Door Height, Add	*33.93*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	226.12	29.67
		For >25 To 50, Deduct	*-11.12*	
		For >50 To 100, Deduct	*-20.53*	
		For >100, Deduct	*-32.43*	
		For 9' Door Height, Add	*35.02*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	231.35	29.67
		For >25 To 50, Deduct	*-11.33*	
		For >50 To 100, Deduct	*-20.99*	
		For >100, Deduct	*-33.22*	
		For 9' Door Height, Add	*36.12*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	239.11	30.96
		For >25 To 50, Deduct	*-11.73*	
		For >50 To 100, Deduct	*-21.70*	
		For >100, Deduct	*-34.32*	
		For 9' Door Height, Add	*37.21*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	258.60	30.96
		For >25 To 50, Deduct	*-12.51*	
		For >50 To 100, Deduct	*-23.40*	
		For >100, Deduct	*-37.24*	
		For 9' Door Height, Add	*41.30*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	273.74	32.25
		For >25 To 50, Deduct	*-13.21*	
		For >50 To 100, Deduct	*-24.76*	
		For >100, Deduct	*-39.45*	
		For 9' Door Height, Add	*43.94*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	219.55	28.38
		For >25 To 50, Deduct	*-10.77*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-31.51*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	219.55	28.38
		For >25 To 50, Deduct	*-10.77*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-31.51*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	228.28	29.67
		For >25 To 50, Deduct	*-11.21*	
		For >50 To 100, Deduct	*-20.72*	
		For >100, Deduct	*-32.76*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	230.57	29.67
		For >25 To 50, Deduct	*-11.30*	
		For >50 To 100, Deduct	*-20.92*	
		For >100, Deduct	*-33.10*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	235.57	29.67
		For >25 To 50, Deduct	*-11.50*	
		For >50 To 100, Deduct	*-21.35*	
		For >100, Deduct	*-33.85*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	243.15	30.96
		For >25 To 50, Deduct	*-11.89*	
		For >50 To 100, Deduct	*-22.05*	
		For >100, Deduct	*-34.92*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	269.73	30.96
		For >25 To 50, Deduct	*-12.96*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-38.91*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	326.24	32.25
		For >25 To 50, Deduct	*-15.31*	
		For >50 To 100, Deduct	*-29.35*	
		For >100, Deduct	*-47.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	339.32	32.25
		For >25 To 50, Deduct	*-15.83*	
		For >50 To 100, Deduct	*-30.50*	
		For >100, Deduct	*-49.29*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	365.49	32.25
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-53.21*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	229.03	28.38
		For >25 To 50, Deduct	*-11.15*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-32.94*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	229.03	28.38
		For >25 To 50, Deduct	*-11.15*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-32.94*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	238.11	29.67
		For >25 To 50, Deduct	*-11.60*	
		For >50 To 100, Deduct	*-21.58*	
		For >100, Deduct	*-34.23*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	240.53	29.67
		For >25 To 50, Deduct	*-11.70*	
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-34.60*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	245.83	29.67
		For >25 To 50, Deduct	*-11.91*	
		For >50 To 100, Deduct	*-22.25*	
		For >100, Deduct	*-35.39*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	253.69	30.96
		For >25 To 50, Deduct	*-12.31*	
		For >50 To 100, Deduct	*-22.97*	
		For >100, Deduct	*-36.51*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	281.82	30.96
		For >25 To 50, Deduct	*-13.44*	
		For >50 To 100, Deduct	*-25.43*	
		For >100, Deduct	*-40.73*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	341.48	32.25
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-30.69*	
		For >100, Deduct	*-49.61*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	355.32	32.25
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-31.90*	
		For >100, Deduct	*-51.69*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	383.02	32.25
		For >25 To 50, Deduct	*-17.58*	
		For >50 To 100, Deduct	*-34.32*	
		For >100, Deduct	*-55.84*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	262.63	28.38
		For >25 To 50, Deduct	*-12.49*	
		For >50 To 100, Deduct	*-23.69*	
		For >100, Deduct	*-37.98*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	262.63	28.38
		For >25 To 50, Deduct	*-12.49*	
		For >50 To 100, Deduct	*-23.69*	
		For >100, Deduct	*-37.98*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	272.97	29.67
		For >25 To 50, Deduct	*-13.00*	
		For >50 To 100, Deduct	*-24.63*	
		For >100, Deduct	*-39.46*	
		For 9' Door Height, Add	*44.86*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	275.85	29.67
		For >25 To 50, Deduct	*-13.11*	
		For >50 To 100, Deduct	*-24.88*	
		For >100, Deduct	*-39.89*	
		For 9' Door Height, Add	*45.47*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.21	29.67
		For >25 To 50, Deduct	*-13.37*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-40.85*	
		For 9' Door Height, Add	*46.80*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	291.08	30.96
		For >25 To 50, Deduct	*-13.81*	
		For >50 To 100, Deduct	*-26.24*	
		For >100, Deduct	*-42.11*	
		For 9' Door Height, Add	*48.12*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	324.71	30.96
		For >25 To 50, Deduct	*-15.16*	
		For >50 To 100, Deduct	*-29.19*	
		For >100, Deduct	*-47.16*	
		For 9' Door Height, Add	*55.19*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	395.49	32.25
		For >25 To 50, Deduct	*-18.08*	
		For >50 To 100, Deduct	*-35.41*	
		For >100, Deduct	*-57.71*	
		For 9' Door Height, Add	*69.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	412.02	32.25
		For >25 To 50, Deduct	*-18.74*	
		For >50 To 100, Deduct	*-36.86*	
		For >100, Deduct	*-60.19*	
		For 9' Door Height, Add	*72.98*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	445.14	32.25
		For >25 To 50, Deduct	*-20.06*	
		For >50 To 100, Deduct	*-39.76*	
		For >100, Deduct	*-65.16*	
		For 9' Door Height, Add	*79.93*	
08 14 16 00-0159		**Oak Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	407.56	28.38
		For >25 To 50, Deduct	*-18.29*	
		For >50 To 100, Deduct	*-36.37*	
		For >100, Deduct	*-59.72*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	407.56	28.38
		For >25 To 50, Deduct	*-18.29*	
		For >50 To 100, Deduct	*-36.37*	
		For >100, Deduct	*-59.72*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	423.34	29.67
		For >25 To 50, Deduct	*-19.01*	
		For >50 To 100, Deduct	*-37.78*	
		For >100, Deduct	*-62.02*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	428.28	29.67
		For >25 To 50, Deduct	*-19.21*	
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-62.76*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	439.08	29.67
		For >25 To 50, Deduct	*-19.64*	
		For >50 To 100, Deduct	*-39.16*	
		For >100, Deduct	*-64.38*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	452.41	30.96
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-40.36*	
		For >100, Deduct	*-66.31*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.68	30.96
		For >25 To 50, Deduct	*-22.55*	
		For >50 To 100, Deduct	*-45.37*	
		For >100, Deduct	*-74.90*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	628.49	32.25
		For >25 To 50, Deduct	*-27.40*	
		For >50 To 100, Deduct	*-55.80*	
		For >100, Deduct	*-92.66*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	656.71	32.25
		For >25 To 50, Deduct	*-28.53*	
		For >50 To 100, Deduct	*-58.27*	
		For >100, Deduct	*-96.89*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	713.15	32.25
		For >25 To 50, Deduct	*-30.78*	
		For >50 To 100, Deduct	*-63.21*	
		For >100, Deduct	*-105.36*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	427.97	28.38
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-38.16*	
		For >100, Deduct	*-62.78*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	427.98	28.38
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-38.16*	
		For >100, Deduct	*-62.78*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	444.52	29.67
		For >25 To 50, Deduct	*-19.86*	
		For >50 To 100, Deduct	*-39.64*	
		For >100, Deduct	*-65.19*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	449.75	29.67
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-40.10*	
		For >100, Deduct	*-65.98*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	461.17	29.67
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-41.09*	
		For >100, Deduct	*-67.69*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	475.13	30.96
		For >25 To 50, Deduct	*-21.17*	
		For >50 To 100, Deduct	*-42.35*	
		For >100, Deduct	*-69.72*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	535.74	30.96
		For >25 To 50, Deduct	*-23.60*	
		For >50 To 100, Deduct	*-47.65*	
		For >100, Deduct	*-78.81*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	661.32	32.25
		For >25 To 50, Deduct	*-28.71*	
		For >50 To 100, Deduct	*-58.67*	
		For >100, Deduct	*-97.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	691.19	32.25
		For >25 To 50, Deduct	*-29.91*	
		For >50 To 100, Deduct	*-61.29*	
		For >100, Deduct	*-102.07*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	750.90	32.25
		For >25 To 50, Deduct	*-32.29*	
		For >50 To 100, Deduct	*-66.51*	
		For >100, Deduct	*-111.02*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	500.34	28.38
		For >25 To 50, Deduct	*-22.00*	
		For >50 To 100, Deduct	*-44.49*	
		For >100, Deduct	*-73.63*	
		For 9' Door Height, Add	*93.15*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	500.38	28.38
		For >25 To 50, Deduct	*-22.00*	
		For >50 To 100, Deduct	*-44.49*	
		For >100, Deduct	*-73.64*	
		For 9' Door Height, Add	*93.16*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	519.64	29.67
		For >25 To 50, Deduct	*-22.86*	
		For >50 To 100, Deduct	*-46.21*	
		For >100, Deduct	*-76.46*	
		For 9' Door Height, Add	*96.66*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	525.85	29.67
		For >25 To 50, Deduct	*-23.11*	
		For >50 To 100, Deduct	*-46.75*	
		For >100, Deduct	*-77.39*	
		For 9' Door Height, Add	*97.97*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	539.52	29.67
		For >25 To 50, Deduct	*-23.66*	
		For >50 To 100, Deduct	*-47.95*	
		For >100, Deduct	*-79.44*	
		For 9' Door Height, Add	*100.84*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	555.72	30.96
		For >25 To 50, Deduct	*-24.40*	
		For >50 To 100, Deduct	*-49.40*	
		For >100, Deduct	*-81.81*	
		For 9' Door Height, Add	*103.70*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	628.16	30.96
		For >25 To 50, Deduct	*-27.29*	
		For >50 To 100, Deduct	*-55.74*	
		For >100, Deduct	*-92.68*	
		For 9' Door Height, Add	*118.91*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	777.70	32.25
		For >25 To 50, Deduct	*-33.37*	
		For >50 To 100, Deduct	*-68.86*	
		For >100, Deduct	*-115.04*	
		For 9' Door Height, Add	*149.77*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	813.42	32.25
		For >25 To 50, Deduct	*-34.79*	
		For >50 To 100, Deduct	*-71.98*	
		For >100, Deduct	*-120.40*	
		For 9' Door Height, Add	*157.27*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	884.76	32.25
		For >25 To 50, Deduct	*-37.65*	
		For >50 To 100, Deduct	*-78.22*	
		For >100, Deduct	*-131.10*	
		For 9' Door Height, Add	*172.25*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	313.81	28.38
		For >25 To 50, Deduct	*-14.54*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-45.65*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	313.81	28.38
		For >25 To 50, Deduct	*-14.54*	
		For >50 To 100, Deduct	*-28.17*	
		For >100, Deduct	*-45.65*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	326.07	29.67
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-47.43*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	329.84	29.67
		For >25 To 50, Deduct	*-15.27*	
		For >50 To 100, Deduct	*-29.60*	
		For >100, Deduct	*-47.99*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.67	29.67
		For >25 To 50, Deduct	*-15.58*	
		For >50 To 100, Deduct	*-30.29*	
		For >100, Deduct	*-49.17*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.05	30.96
		For >25 To 50, Deduct	*-16.09*	
		For >50 To 100, Deduct	*-31.23*	
		For >100, Deduct	*-50.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.03	30.96
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-34.90*	
		For >100, Deduct	*-56.96*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	457.23	32.25
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-40.81*	
		For >100, Deduct	*-66.97*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	498.45	32.25
		For >25 To 50, Deduct	*-22.20*	
		For >50 To 100, Deduct	*-44.42*	
		For >100, Deduct	*-73.16*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	539.81	32.25
		For >25 To 50, Deduct	*-23.85*	
		For >50 To 100, Deduct	*-48.04*	
		For >100, Deduct	*-79.36*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.78	28.38
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-29.48*	
		For >100, Deduct	*-47.90*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.78	28.38
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-29.48*	
		For >100, Deduct	*-47.90*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	341.58	29.67
		For >25 To 50, Deduct	*-15.74*	
		For >50 To 100, Deduct	*-30.63*	
		For >100, Deduct	*-49.75*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	345.59	29.67
		For >25 To 50, Deduct	*-15.90*	
		For >50 To 100, Deduct	*-30.98*	
		For >100, Deduct	*-50.35*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	353.86	29.67
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-31.70*	
		For >100, Deduct	*-51.60*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	364.69	30.96
		For >25 To 50, Deduct	*-16.75*	
		For >50 To 100, Deduct	*-32.68*	
		For >100, Deduct	*-53.16*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	409.12	30.96
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-36.57*	
		For >100, Deduct	*-59.82*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	479.98	32.25
		For >25 To 50, Deduct	*-21.46*	
		For >50 To 100, Deduct	*-42.80*	
		For >100, Deduct	*-70.38*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	523.73	32.25
		For >25 To 50, Deduct	*-23.21*	
		For >50 To 100, Deduct	*-46.63*	
		For >100, Deduct	*-76.95*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	567.46	32.25
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-50.46*	
		For >100, Deduct	*-83.51*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.83	28.38
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-34.12*	
		For >100, Deduct	*-55.86*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.83	28.38
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-34.12*	
		For >100, Deduct	*-55.86*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.61	29.67
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-35.45*	
		For >100, Deduct	*-58.01*	
		For 9' Door Height, Add	*70.82*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.41	29.67
		For >25 To 50, Deduct	*-18.13*	
		For >50 To 100, Deduct	*-35.87*	
		For >100, Deduct	*-58.73*	
		For 9' Door Height, Add	*71.83*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	411.26	29.67
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-36.73*	
		For >100, Deduct	*-60.21*	
		For 9' Door Height, Add	*73.90*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.74	30.96
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-37.85*	
		For >100, Deduct	*-62.01*	
		For 9' Door Height, Add	*75.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	476.81	30.96
		For >25 To 50, Deduct	*-21.24*	
		For >50 To 100, Deduct	*-42.49*	
		For >100, Deduct	*-69.97*	
		For 9' Door Height, Add	*87.13*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	561.02	32.25
		For >25 To 50, Deduct	*-24.70*	
		For >50 To 100, Deduct	*-49.90*	
		For >100, Deduct	*-82.54*	
		For 9' Door Height, Add	*104.27*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	613.29	32.25
		For >25 To 50, Deduct	*-26.79*	
		For >50 To 100, Deduct	*-54.47*	
		For >100, Deduct	*-90.38*	
		For 9' Door Height, Add	*115.25*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	665.57	32.25
		For >25 To 50, Deduct	*-28.88*	
		For >50 To 100, Deduct	*-59.04*	
		For >100, Deduct	*-98.22*	
		For 9' Door Height, Add	*126.22*	
08 14 16 00-0221		**Walnut Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	531.99	28.38
		For >25 To 50, Deduct	*-23.27*	
		For >50 To 100, Deduct	*-47.26*	
		For >100, Deduct	*-78.38*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	531.99	28.38
		For >25 To 50, Deduct	*-23.27*	
		For >50 To 100, Deduct	*-47.26*	
		For >100, Deduct	*-78.38*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	537.89	29.67
		For >25 To 50, Deduct	*-23.59*	
		For >50 To 100, Deduct	*-47.81*	
		For >100, Deduct	*-79.20*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	558.97	29.67
		For >25 To 50, Deduct	*-24.44*	
		For >50 To 100, Deduct	*-49.65*	
		For >100, Deduct	*-82.36*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	562.19	29.67
		For >25 To 50, Deduct	*-24.56*	
		For >50 To 100, Deduct	*-49.93*	
		For >100, Deduct	*-82.84*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	567.98	30.96
		For >25 To 50, Deduct	*-24.89*	
		For >50 To 100, Deduct	*-50.47*	
		For >100, Deduct	*-83.65*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	624.46	30.96
		For >25 To 50, Deduct	*-27.15*	
		For >50 To 100, Deduct	*-55.41*	
		For >100, Deduct	*-92.12*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	772.85	32.25
		For >25 To 50, Deduct	*-33.17*	
		For >50 To 100, Deduct	*-68.43*	
		For >100, Deduct	*-114.32*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	808.26	32.25
		For >25 To 50, Deduct	*-34.59*	
		For >50 To 100, Deduct	*-71.53*	
		For >100, Deduct	*-119.63*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	879.16	32.25
		For >25 To 50, Deduct	*-37.42*	
		For >50 To 100, Deduct	*-77.73*	
		For >100, Deduct	*-130.26*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	559.64	28.38
		For >25 To 50, Deduct	*-24.37*	
		For >50 To 100, Deduct	*-49.68*	
		For >100, Deduct	*-82.53*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	559.64	28.38
		For >25 To 50, Deduct	*-24.37*	
		For >50 To 100, Deduct	*-49.68*	
		For >100, Deduct	*-82.53*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	565.76	29.67
		For >25 To 50, Deduct	*-24.71*	
		For >50 To 100, Deduct	*-50.25*	
		For >100, Deduct	*-83.38*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	588.03	29.67
		For >25 To 50, Deduct	*-25.60*	
		For >50 To 100, Deduct	*-52.19*	
		For >100, Deduct	*-86.72*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	591.46	29.67
		For >25 To 50, Deduct	*-25.74*	
		For >50 To 100, Deduct	*-52.49*	
		For >100, Deduct	*-87.24*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	597.43	30.96
		For >25 To 50, Deduct	*-26.06*	
		For >50 To 100, Deduct	*-53.05*	
		For >100, Deduct	*-88.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	657.18	30.96
		For >25 To 50, Deduct	*-28.45*	
		For >50 To 100, Deduct	*-58.28*	
		For >100, Deduct	*-97.03*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	814.08	32.25
		For >25 To 50, Deduct	*-34.82*	
		For >50 To 100, Deduct	*-72.04*	
		For >100, Deduct	*-120.50*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	851.56	32.25
		For >25 To 50, Deduct	*-36.32*	
		For >50 To 100, Deduct	*-75.32*	
		For >100, Deduct	*-126.12*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	926.56	32.25
		For >25 To 50, Deduct	*-39.32*	
		For >50 To 100, Deduct	*-81.88*	
		For >100, Deduct	*-137.37*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	657.70	28.38
		For >25 To 50, Deduct	*-28.29*	
		For >50 To 100, Deduct	*-58.26*	
		For >100, Deduct	*-97.24*	
		For 9' Door Height, Add	*126.20*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	657.70	28.38
		For >25 To 50, Deduct	*-28.29*	
		For >50 To 100, Deduct	*-58.26*	
		For >100, Deduct	*-97.24*	
		For 9' Door Height, Add	*126.20*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	664.53	29.67
		For >25 To 50, Deduct	*-28.66*	
		For >50 To 100, Deduct	*-58.89*	
		For >100, Deduct	*-98.20*	
		For 9' Door Height, Add	*127.09*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	691.11	29.67
		For >25 To 50, Deduct	*-29.72*	
		For >50 To 100, Deduct	*-61.21*	
		For >100, Deduct	*-102.18*	
		For 9' Door Height, Add	*132.67*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	695.22	29.67
		For >25 To 50, Deduct	*-29.89*	
		For >50 To 100, Deduct	*-61.57*	
		For >100, Deduct	*-102.80*	
		For 9' Door Height, Add	*133.53*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	701.84	30.96
		For >25 To 50, Deduct	*-30.24*	
		For >50 To 100, Deduct	*-62.19*	
		For >100, Deduct	*-103.73*	
		For 9' Door Height, Add	*134.38*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	773.27	30.96
		For >25 To 50, Deduct	*-33.10*	
		For >50 To 100, Deduct	*-68.44*	
		For >100, Deduct	*-114.44*	
		For 9' Door Height, Add	*149.38*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	960.25	32.25
		For >25 To 50, Deduct	*-40.67*	
		For >50 To 100, Deduct	*-84.83*	
		For >100, Deduct	*-142.43*	
		For 9' Door Height, Add	*188.11*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,005.05	32.25
		For >25 To 50, Deduct	*-42.46*	
		For >50 To 100, Deduct	*-88.75*	
		For >100, Deduct	*-149.15*	
		For 9' Door Height, Add	*197.52*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,094.64	32.25
		For >25 To 50, Deduct	*-46.04*	
		For >50 To 100, Deduct	*-96.59*	
		For >100, Deduct	*-162.58*	
		For 9' Door Height, Add	*216.33*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	175.72	28.38
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-24.94*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	175.72	28.38
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-16.09*	
		For >100, Deduct	*-24.94*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	186.49	29.67
		For >25 To 50, Deduct	*-9.54*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-26.49*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	193.14	29.67
		For >25 To 50, Deduct	*-9.80*	
		For >50 To 100, Deduct	*-17.64*	
		For >100, Deduct	*-27.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	194.46	29.67
		For >25 To 50, Deduct	*-9.86*	
		For >50 To 100, Deduct	*-17.76*	
		For >100, Deduct	*-27.69*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	198.35	30.96
		For >25 To 50, Deduct	*-10.10*	
		For >50 To 100, Deduct	*-18.13*	
		For >100, Deduct	*-28.20*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	213.34	30.96
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-30.45*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.26	32.25
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-21.39*	
		For >100, Deduct	*-33.68*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	243.77	32.25
		For >25 To 50, Deduct	*-12.01*	
		For >50 To 100, Deduct	*-22.14*	
		For >100, Deduct	*-34.95*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.86	32.25
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-23.63*	
		For >100, Deduct	*-37.52*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	182.63	28.38
		For >25 To 50, Deduct	*-9.29*	
		For >50 To 100, Deduct	*-16.69*	
		For >100, Deduct	*-25.98*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	182.63	28.38
		For >25 To 50, Deduct	*-9.29*	
		For >50 To 100, Deduct	*-16.69*	
		For >100, Deduct	*-25.98*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	193.89	29.67
		For >25 To 50, Deduct	*-9.83*	
		For >50 To 100, Deduct	*-17.71*	
		For >100, Deduct	*-27.60*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	200.93	29.67
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-18.32*	
		For >100, Deduct	*-28.66*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	202.33	29.67
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-28.87*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	206.28	30.96
		For >25 To 50, Deduct	*-10.42*	
		For >50 To 100, Deduct	*-18.82*	
		For >100, Deduct	*-29.39*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	222.16	30.96
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-31.78*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	245.18	32.25
		For >25 To 50, Deduct	*-12.06*	
		For >50 To 100, Deduct	*-22.26*	
		For >100, Deduct	*-35.16*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.21	32.25
		For >25 To 50, Deduct	*-12.43*	
		For >50 To 100, Deduct	*-23.05*	
		For >100, Deduct	*-36.52*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.28	32.25
		For >25 To 50, Deduct	*-13.15*	
		For >50 To 100, Deduct	*-24.63*	
		For >100, Deduct	*-39.23*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.17	28.38
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-18.84*	
		For >100, Deduct	*-29.66*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.17	28.38
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-18.84*	
		For >100, Deduct	*-29.66*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	220.11	29.67
		For >25 To 50, Deduct	*-10.88*	
		For >50 To 100, Deduct	*-20.00*	
		For >100, Deduct	*-31.53*	
		For 9' Door Height, Add	*33.76*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.53	29.67
		For >25 To 50, Deduct	*-11.22*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-32.80*	
		For 9' Door Height, Add	*35.53*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	230.21	29.67
		For >25 To 50, Deduct	*-11.29*	
		For >50 To 100, Deduct	*-20.89*	
		For >100, Deduct	*-33.05*	
		For 9' Door Height, Add	*35.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.44	30.96
		For >25 To 50, Deduct	*-11.54*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-33.62*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	253.41	30.96
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-22.95*	
		For >100, Deduct	*-36.46*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.41	32.25
		For >25 To 50, Deduct	*-13.47*	
		For >50 To 100, Deduct	*-25.34*	
		For >100, Deduct	*-40.45*	
		For 9' Door Height, Add	*45.34*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.20	32.25
		For >25 To 50, Deduct	*-13.91*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-42.07*	
		For 9' Door Height, Add	*47.61*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	312.79	32.25
		For >25 To 50, Deduct	*-14.77*	
		For >50 To 100, Deduct	*-28.18*	
		For >100, Deduct	*-45.31*	
		For 9' Door Height, Add	*52.14*	
08 14 16 00-0283		**Medium Density Overlay (MDO) Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	205.10	28.38
		For >25 To 50, Deduct	*-10.19*	
		For >50 To 100, Deduct	*-18.66*	
		For >100, Deduct	*-29.35*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	205.13	28.38
		For >25 To 50, Deduct	*-10.19*	
		For >50 To 100, Deduct	*-18.66*	
		For >100, Deduct	*-29.35*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	211.83	29.67
		For >25 To 50, Deduct	*-10.55*	
		For >50 To 100, Deduct	*-19.28*	
		For >100, Deduct	*-30.29*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	220.10	29.67
		For >25 To 50, Deduct	*-10.88*	
		For >50 To 100, Deduct	*-20.00*	
		For >100, Deduct	*-31.53*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	224.23	29.67
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-20.36*	
		For >100, Deduct	*-32.15*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	230.87	30.96
		For >25 To 50, Deduct	*-11.40*	
		For >50 To 100, Deduct	*-20.98*	
		For >100, Deduct	*-33.08*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	240.29	30.96
		For >25 To 50, Deduct	*-11.78*	
		For >50 To 100, Deduct	*-21.80*	
		For >100, Deduct	*-34.50*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	273.52	32.25
		For >25 To 50, Deduct	*-13.20*	
		For >50 To 100, Deduct	*-24.74*	
		For >100, Deduct	*-39.42*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.97	32.25
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-40.98*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	304.90	32.25
		For >25 To 50, Deduct	*-14.45*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-44.12*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	213.75	28.38
		For >25 To 50, Deduct	*-10.54*	
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-30.64*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	213.76	28.38
		For >25 To 50, Deduct	*-10.54*	
		For >50 To 100, Deduct	*-19.41*	
		For >100, Deduct	*-30.65*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	220.69	29.67
		For >25 To 50, Deduct	*-10.90*	
		For >50 To 100, Deduct	*-20.05*	
		For >100, Deduct	*-31.62*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	229.44	29.67
		For >25 To 50, Deduct	*-11.25*	
		For >50 To 100, Deduct	*-20.82*	
		For >100, Deduct	*-32.93*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	233.81	29.67
		For >25 To 50, Deduct	*-11.43*	
		For >50 To 100, Deduct	*-21.20*	
		For >100, Deduct	*-33.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	240.72	30.96
		For >25 To 50, Deduct	*-11.80*	
		For >50 To 100, Deduct	*-21.84*	
		For >100, Deduct	*-34.56*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	250.69	30.96
		For >25 To 50, Deduct	*-12.19*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-36.06*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	285.70	32.25
		For >25 To 50, Deduct	*-13.69*	
		For >50 To 100, Deduct	*-25.81*	
		For >100, Deduct	*-41.24*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.76	32.25
		For >25 To 50, Deduct	*-14.13*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-42.90*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	318.87	32.25
		For >25 To 50, Deduct	*-15.01*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-46.22*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	244.37	28.38
		For >25 To 50, Deduct	*-11.76*	
		For >50 To 100, Deduct	*-22.09*	
		For >100, Deduct	*-35.24*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	244.37	28.38
		For >25 To 50, Deduct	*-11.76*	
		For >50 To 100, Deduct	*-22.09*	
		For >100, Deduct	*-35.24*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	252.15	29.67
		For >25 To 50, Deduct	*-12.16*	
		For >50 To 100, Deduct	*-22.81*	
		For >100, Deduct	*-36.34*	
		For 9' Door Height, Add	*40.49*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.60	29.67
		For >25 To 50, Deduct	*-12.58*	
		For >50 To 100, Deduct	*-23.72*	
		For >100, Deduct	*-37.91*	
		For 9' Door Height, Add	*42.68*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	267.82	29.67
		For >25 To 50, Deduct	*-12.79*	
		For >50 To 100, Deduct	*-24.18*	
		For >100, Deduct	*-38.69*	
		For 9' Door Height, Add	*43.78*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	275.59	30.96
		For >25 To 50, Deduct	*-13.19*	
		For >50 To 100, Deduct	*-24.89*	
		For >100, Deduct	*-39.79*	
		For 9' Door Height, Add	*44.87*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.51	30.96
		For >25 To 50, Deduct	*-13.67*	
		For >50 To 100, Deduct	*-25.93*	
		For >100, Deduct	*-41.58*	
		For 9' Door Height, Add	*47.37*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	328.84	32.25
		For >25 To 50, Deduct	*-15.41*	
		For >50 To 100, Deduct	*-29.58*	
		For >100, Deduct	*-47.71*	
		For 9' Door Height, Add	*55.51*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	342.05	32.25
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-30.74*	
		For >100, Deduct	*-49.70*	
		For 9' Door Height, Add	*58.29*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.49	32.25
		For >25 To 50, Deduct	*-17.00*	
		For >50 To 100, Deduct	*-33.05*	
		For >100, Deduct	*-53.66*	
		For 9' Door Height, Add	*63.84*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	228.88	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.09*	
		For Structural Composite Lumber Core (SCLC), Add	*77.45*	
		For >25 To 50, Deduct	*-11.14*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-32.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	228.91	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.11*	
		For Structural Composite Lumber Core (SCLC), Add	*77.47*	
		For >25 To 50, Deduct	*-11.14*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-32.92*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	240.52	29.67
		For 7 Ply Cold Press Construction, Deduct	*-3.62*	
		For Stave Lumber Core (SLC), Add	*135.88*	
		For Structural Composite Lumber Core (SCLC), Add	*81.53*	
		For >25 To 50, Deduct	*-11.70*	
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-34.59*	
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	249.55	29.67
		For 7 Ply Cold Press Construction, Deduct	*-3.80*	
		For Stave Lumber Core (SLC), Add	*142.65*	
		For Structural Composite Lumber Core (SCLC), Add	*85.59*	
		For >25 To 50, Deduct	*-12.06*	
		For >50 To 100, Deduct	*-22.58*	
		For >100, Deduct	*-35.95*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	255.06	29.67
		For 7 Ply Cold Press Construction, Deduct	*-3.91*	
		For Stave Lumber Core (SLC), Add	*146.78*	
		For Structural Composite Lumber Core (SCLC), Add	*88.07*	
		For >25 To 50, Deduct	*-12.28*	
		For >50 To 100, Deduct	*-23.06*	
		For >100, Deduct	*-36.78*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	263.16	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.02*	
		For Stave Lumber Core (SLC), Add	*150.93*	
		For Structural Composite Lumber Core (SCLC), Add	*90.56*	
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-23.80*	
		For >100, Deduct	*-37.93*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	285.24	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.49*	
		For Structural Composite Lumber Core (SCLC), Add	*100.49*	
		For >25 To 50, Deduct	*-13.58*	
		For >50 To 100, Deduct	*-25.73*	
		For >100, Deduct	*-41.24*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	302.10	32.25
		For 7 Ply Cold Press Construction, Deduct	*-4.75*	
		For Stave Lumber Core (SLC), Add	*178.20*	
		For Structural Composite Lumber Core (SCLC), Add	*106.92*	
		For >25 To 50, Deduct	*-14.34*	
		For >50 To 100, Deduct	*-27.24*	
		For >100, Deduct	*-43.70*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	238.90	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.96*	
		For >25 To 50, Deduct	*-11.54*	
		For >50 To 100, Deduct	*-21.61*	
		For >100, Deduct	*-34.42*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	238.91	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.97*	
		For >25 To 50, Deduct	*-11.54*	
		For >50 To 100, Deduct	*-21.61*	
		For >100, Deduct	*-34.42*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	251.07	29.67
		For 7 Ply Cold Press Construction, Deduct	*-3.83*	
		For Stave Lumber Core (SLC), Add	*143.79*	
		For Structural Composite Lumber Core (SCLC), Add	*86.27*	
		For >25 To 50, Deduct	*-12.12*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-36.18*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	260.63	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.03*	
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For >25 To 50, Deduct	*-12.50*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-37.61*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.46	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.33*	
		For Structural Composite Lumber Core (SCLC), Add	*93.20*	
		For >25 To 50, Deduct	*-12.74*	
		For >50 To 100, Deduct	*-24.06*	
		For >100, Deduct	*-38.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	274.87	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.26*	
		For Stave Lumber Core (SLC), Add	*159.71*	
		For Structural Composite Lumber Core (SCLC), Add	*95.83*	
		For >25 To 50, Deduct	*-13.16*	
		For >50 To 100, Deduct	*-24.83*	
		For >100, Deduct	*-39.68*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	298.24	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.73*	
		For Stave Lumber Core (SLC), Add	*177.24*	
		For Structural Composite Lumber Core (SCLC), Add	*106.34*	
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-26.87*	
		For >100, Deduct	*-43.19*	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	315.92	32.25
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.57*	
		For Structural Composite Lumber Core (SCLC), Add	*113.14*	
		For >25 To 50, Deduct	*-14.89*	
		For >50 To 100, Deduct	*-28.45*	
		For >100, Deduct	*-45.78*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	274.43	28.38
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-12.96*	
		For >50 To 100, Deduct	*-24.72*	
		For >100, Deduct	*-39.75*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	274.43	28.38
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-12.96*	
		For >50 To 100, Deduct	*-24.72*	
		For >100, Deduct	*-39.75*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	288.45	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.58*	
		For Stave Lumber Core (SLC), Add	*171.83*	
		For Structural Composite Lumber Core (SCLC), Add	*103.10*	
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-25.98*	
		For >100, Deduct	*-41.78*	
		For 9' Door Height, Add	*48.11*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	299.88	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.81*	
		For Stave Lumber Core (SLC), Add	*180.40*	
		For Structural Composite Lumber Core (SCLC), Add	*108.24*	
		For >25 To 50, Deduct	*-14.07*	
		For >50 To 100, Deduct	*-26.98*	
		For >100, Deduct	*-43.50*	
		For 9' Door Height, Add	*50.51*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	306.84	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.95*	
		For Stave Lumber Core (SLC), Add	*185.62*	
		For Structural Composite Lumber Core (SCLC), Add	*111.37*	
		For >25 To 50, Deduct	*-14.35*	
		For >50 To 100, Deduct	*-27.59*	
		For >100, Deduct	*-44.54*	
		For 9' Door Height, Add	*51.97*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	316.40	30.96
		For 7 Ply Cold Press Construction, Deduct	*-5.09*	
		For Stave Lumber Core (SLC), Add	*190.86*	
		For Structural Composite Lumber Core (SCLC), Add	*114.52*	
		For >25 To 50, Deduct	*-14.82*	
		For >50 To 100, Deduct	*-28.46*	
		For >100, Deduct	*-45.91*	
		For 9' Door Height, Add	*53.44*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.31	30.96
		For 7 Ply Cold Press Construction, Deduct	*-5.65*	
		For Stave Lumber Core (SLC), Add	*211.79*	
		For Structural Composite Lumber Core (SCLC), Add	*127.08*	
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-50.10*	
		For 9' Door Height, Add	*59.30*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	364.95	32.25
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.34*	
		For Structural Composite Lumber Core (SCLC), Add	*135.20*	
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-32.74*	
		For >100, Deduct	*-53.13*	
		For 9' Door Height, Add	*63.09*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	358.50	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-32.08*	
		For >100, Deduct	*-52.36*	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	358.50	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-32.08*	
		For >100, Deduct	*-52.36*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	376.97	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.22*	
		For Structural Composite Lumber Core (SCLC), Add	*142.93*	
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-33.73*	
		For >100, Deduct	*-55.06*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	392.82	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.67*	
		For Stave Lumber Core (SLC), Add	*250.10*	
		For Structural Composite Lumber Core (SCLC), Add	*150.06*	
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-35.11*	
		For >100, Deduct	*-57.44*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	402.46	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.33*	
		For Structural Composite Lumber Core (SCLC), Add	*154.40*	
		For >25 To 50, Deduct	*-18.18*	
		For >50 To 100, Deduct	*-35.96*	
		For >100, Deduct	*-58.89*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	414.72	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.60*	
		For Structural Composite Lumber Core (SCLC), Add	*158.76*	
		For >25 To 50, Deduct	*-18.76*	
		For >50 To 100, Deduct	*-37.06*	
		For >100, Deduct	*-60.66*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	453.43	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.83*	
		For Stave Lumber Core (SLC), Add	*293.63*	
		For Structural Composite Lumber Core (SCLC), Add	*176.18*	
		For >25 To 50, Deduct	*-20.30*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-66.47*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.02	32.25
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.39*	
		For Structural Composite Lumber Core (SCLC), Add	*187.43*	
		For >25 To 50, Deduct	*-21.50*	
		For >50 To 100, Deduct	*-42.90*	
		For >100, Deduct	*-70.54*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	376.05	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-54.99*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	376.05	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-54.99*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	395.48	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.72*	
		For Stave Lumber Core (SLC), Add	*252.10*	
		For Structural Composite Lumber Core (SCLC), Add	*151.26*	
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-35.35*	
		For >100, Deduct	*-57.84*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	412.23	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.66*	
		For Structural Composite Lumber Core (SCLC), Add	*158.80*	
		For >25 To 50, Deduct	*-18.57*	
		For >50 To 100, Deduct	*-36.81*	
		For >100, Deduct	*-60.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	422.43	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.31*	
		For Structural Composite Lumber Core (SCLC), Add	*163.39*	
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-37.70*	
		For >100, Deduct	*-61.88*	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	435.25	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.47*	
		For Stave Lumber Core (SLC), Add	*280.00*	
		For Structural Composite Lumber Core (SCLC), Add	*168.00*	
		For >25 To 50, Deduct	*-19.58*	
		For >50 To 100, Deduct	*-38.86*	
		For >100, Deduct	*-63.74*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.22	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.29*	
		For Stave Lumber Core (SLC), Add	*310.73*	
		For Structural Composite Lumber Core (SCLC), Add	*186.44*	
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-42.44*	
		For >100, Deduct	*-69.89*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	505.28	32.25
		For 7 Ply Cold Press Construction, Deduct	*-8.82*	
		For Stave Lumber Core (SLC), Add	*330.59*	
		For Structural Composite Lumber Core (SCLC), Add	*198.35*	
		For >25 To 50, Deduct	*-22.47*	
		For >50 To 100, Deduct	*-45.02*	
		For >100, Deduct	*-74.18*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	438.31	28.38
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-39.06*	
		For >100, Deduct	*-64.33*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	438.31	28.38
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-39.06*	
		For >100, Deduct	*-64.33*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	461.03	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.03*	
		For Stave Lumber Core (SLC), Add	*301.26*	
		For Structural Composite Lumber Core (SCLC), Add	*180.76*	
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-41.08*	
		For >100, Deduct	*-67.67*	
		For 9' Door Height, Add	*84.35*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.04	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.27*	
		For Structural Composite Lumber Core (SCLC), Add	*189.76*	
		For >25 To 50, Deduct	*-21.32*	
		For >50 To 100, Deduct	*-42.83*	
		For >100, Deduct	*-70.67*	
		For 9' Door Height, Add	*88.55*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	493.22	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.40*	
		For Structural Composite Lumber Core (SCLC), Add	*195.24*	
		For >25 To 50, Deduct	*-21.81*	
		For >50 To 100, Deduct	*-43.90*	
		For >100, Deduct	*-72.50*	
		For 9' Door Height, Add	*91.11*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	508.06	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.92*	
		For Stave Lumber Core (SLC), Add	*334.61*	
		For Structural Composite Lumber Core (SCLC), Add	*200.76*	
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-45.23*	
		For >100, Deduct	*-74.66*	
		For 9' Door Height, Add	*93.69*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	557.02	30.96
		For 7 Ply Cold Press Construction, Deduct	*-9.90*	
		For Stave Lumber Core (SLC), Add	*371.33*	
		For Structural Composite Lumber Core (SCLC), Add	*222.80*	
		For >25 To 50, Deduct	*-24.45*	
		For >50 To 100, Deduct	*-49.51*	
		For >100, Deduct	*-82.01*	
		For 9' Door Height, Add	*103.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	591.24	32.25
		For 7 Ply Cold Press Construction, Deduct	*-10.53*	
		For Stave Lumber Core (SLC), Add	*395.06*	
		For Structural Composite Lumber Core (SCLC), Add	*237.03*	
		For >25 To 50, Deduct	*-25.91*	
		For >50 To 100, Deduct	*-52.54*	
		For >100, Deduct	*-87.07*	
		For 9' Door Height, Add	*110.62*	

08 14 16 00-0365 Maple Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	311.63	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-14.45*	
		For >50 To 100, Deduct	*-27.98*	
		For >100, Deduct	*-45.33*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	311.63	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-14.45*	
		For >50 To 100, Deduct	*-27.98*	
		For >100, Deduct	*-45.33*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	327.63	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.21*	
		For Structural Composite Lumber Core (SCLC), Add	*120.73*	
		For >25 To 50, Deduct	*-15.18*	
		For >50 To 100, Deduct	*-29.41*	
		For >100, Deduct	*-47.66*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	341.02	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.63*	
		For Stave Lumber Core (SLC), Add	*211.25*	
		For Structural Composite Lumber Core (SCLC), Add	*126.75*	
		For >25 To 50, Deduct	*-15.72*	
		For >50 To 100, Deduct	*-30.58*	
		For >100, Deduct	*-49.67*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	349.15	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.80*	
		For Stave Lumber Core (SLC), Add	*217.35*	
		For Structural Composite Lumber Core (SCLC), Add	*130.41*	
		For >25 To 50, Deduct	*-16.04*	
		For >50 To 100, Deduct	*-31.29*	
		For >100, Deduct	*-50.89*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	359.91	30.96
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.49*	
		For Structural Composite Lumber Core (SCLC), Add	*134.10*	
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-32.27*	
		For >100, Deduct	*-52.44*	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	392.60	30.96
		For 7 Ply Cold Press Construction, Deduct	*-6.61*	
		For Stave Lumber Core (SLC), Add	*248.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.81*	
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-57.34*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	416.31	32.25
		For 7 Ply Cold Press Construction, Deduct	*-7.04*	
		For Stave Lumber Core (SLC), Add	*263.86*	
		For Structural Composite Lumber Core (SCLC), Add	*158.31*	
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-37.23*	
		For >100, Deduct	*-60.83*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	326.44	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-15.04*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-47.55*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	326.44	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-15.04*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-47.55*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	343.25	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.68*	
		For Stave Lumber Core (SLC), Add	*212.93*	
		For Structural Composite Lumber Core (SCLC), Add	*127.76*	
		For >25 To 50, Deduct	*-15.81*	
		For >50 To 100, Deduct	*-30.78*	
		For >100, Deduct	*-50.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	357.42	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.55*	
		For Structural Composite Lumber Core (SCLC), Add	*134.13*	
		For >25 To 50, Deduct	*-16.37*	
		For >50 To 100, Deduct	*-32.02*	
		For >100, Deduct	*-52.13*	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	366.03	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.13*	
		For Stave Lumber Core (SLC), Add	*230.01*	
		For Structural Composite Lumber Core (SCLC), Add	*138.01*	
		For >25 To 50, Deduct	*-16.72*	
		For >50 To 100, Deduct	*-32.77*	
		For >100, Deduct	*-53.42*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	377.26	30.96
		For 7 Ply Cold Press Construction, Deduct	*-6.31*	
		For Stave Lumber Core (SLC), Add	*236.51*	
		For Structural Composite Lumber Core (SCLC), Add	*141.90*	
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-33.78*	
		For >100, Deduct	*-55.04*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	411.86	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.00*	
		For Stave Lumber Core (SLC), Add	*262.46*	
		For Structural Composite Lumber Core (SCLC), Add	*157.47*	
		For >25 To 50, Deduct	*-18.64*	
		For >50 To 100, Deduct	*-36.81*	
		For >100, Deduct	*-60.23*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	436.80	32.25
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.23*	
		For Structural Composite Lumber Core (SCLC), Add	*167.54*	
		For >25 To 50, Deduct	*-19.73*	
		For >50 To 100, Deduct	*-39.03*	
		For >100, Deduct	*-63.91*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.03	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-17.15*	
		For >50 To 100, Deduct	*-33.87*	
		For >100, Deduct	*-55.44*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	379.03	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-17.15*	
		For >50 To 100, Deduct	*-33.87*	
		For >100, Deduct	*-55.44*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	398.61	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.45*	
		For Structural Composite Lumber Core (SCLC), Add	*152.67*	
		For >25 To 50, Deduct	*-18.02*	
		For >50 To 100, Deduct	*-35.62*	
		For >100, Deduct	*-58.31*	
		For 9' Door Height, Add	*71.24*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	415.52	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*267.13*	
		For Structural Composite Lumber Core (SCLC), Add	*160.28*	
		For >25 To 50, Deduct	*-18.70*	
		For >50 To 100, Deduct	*-37.10*	
		For >100, Deduct	*-60.84*	
		For 9' Door Height, Add	*74.80*	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	425.83	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.86*	
		For Structural Composite Lumber Core (SCLC), Add	*164.92*	
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-38.00*	
		For >100, Deduct	*-62.39*	
		For 9' Door Height, Add	*76.96*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	438.74	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.54*	
		For Stave Lumber Core (SLC), Add	*282.62*	
		For Structural Composite Lumber Core (SCLC), Add	*169.57*	
		For >25 To 50, Deduct	*-19.72*	
		For >50 To 100, Deduct	*-39.16*	
		For >100, Deduct	*-64.26*	
		For 9' Door Height, Add	*79.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	480.10	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.36*	
		For Stave Lumber Core (SLC), Add	*313.64*	
		For Structural Composite Lumber Core (SCLC), Add	*188.18*	
		For >25 To 50, Deduct	*-21.37*	
		For >50 To 100, Deduct	*-42.78*	
		For >100, Deduct	*-70.47*	
		For 9' Door Height, Add	*87.82*	
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	509.40	32.25
		For 7 Ply Cold Press Construction, Deduct	*-8.90*	
		For Stave Lumber Core (SLC), Add	*333.68*	
		For Structural Composite Lumber Core (SCLC), Add	*200.21*	
		For >25 To 50, Deduct	*-22.63*	
		For >50 To 100, Deduct	*-45.38*	
		For >100, Deduct	*-74.80*	
		For 9' Door Height, Add	*93.43*	

08 14 16 00-0390 Lauan Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	173.82	28.38
		For >25 To 50, Deduct	*-8.94*	
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-24.65*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	173.82	28.38
		For >25 To 50, Deduct	*-8.94*	
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-24.65*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	182.82	29.67
		For >25 To 50, Deduct	*-9.39*	
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-25.94*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	189.27	29.67
		For >25 To 50, Deduct	*-9.65*	
		For >50 To 100, Deduct	*-17.30*	
		For >100, Deduct	*-26.91*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	192.51	29.67
		For >25 To 50, Deduct	*-9.78*	
		For >50 To 100, Deduct	*-17.59*	
		For >100, Deduct	*-27.39*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	198.35	30.96
		For >25 To 50, Deduct	*-10.10*	
		For >50 To 100, Deduct	*-18.13*	
		For >100, Deduct	*-28.20*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	213.33	30.96
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-19.44*	
		For >100, Deduct	*-30.45*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	227.78	32.25
		For >25 To 50, Deduct	*-11.37*	
		For >50 To 100, Deduct	*-20.74*	
		For >100, Deduct	*-32.55*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	180.63	28.38
		For >25 To 50, Deduct	*-9.21*	
		For >50 To 100, Deduct	*-16.51*	
		For >100, Deduct	*-25.68*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	180.63	28.38
		For >25 To 50, Deduct	*-9.21*	
		For >50 To 100, Deduct	*-16.51*	
		For >100, Deduct	*-25.68*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	190.01	29.67
		For >25 To 50, Deduct	*-9.68*	
		For >50 To 100, Deduct	*-17.37*	
		For >100, Deduct	*-27.02*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	196.84	29.67
		For >25 To 50, Deduct	*-9.95*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-28.04*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	200.27	29.67
		For >25 To 50, Deduct	*-10.09*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-28.56*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	206.28	30.96
		For >25 To 50, Deduct	*-10.42*	
		For >50 To 100, Deduct	*-18.82*	
		For >100, Deduct	*-29.39*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	222.16	30.96
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-31.78*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	237.27	32.25
		For >25 To 50, Deduct	*-11.75*	
		For >50 To 100, Deduct	*-21.57*	
		For >100, Deduct	*-33.98*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	204.80	28.38
		For >25 To 50, Deduct	*-10.18*	
		For >50 To 100, Deduct	*-18.63*	
		For >100, Deduct	*-29.30*	
		For 9' Door Height, Add	*31.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	204.80	28.38
		For >25 To 50, Deduct	*-10.18*	
		For >50 To 100, Deduct	*-18.63*	
		For >100, Deduct	*-29.30*	
		For 9' Door Height, Add	*31.09*	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	215.48	29.67
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-19.60*	
		For >100, Deduct	*-30.84*	
		For 9' Door Height, Add	*32.79*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	223.65	29.67
		For >25 To 50, Deduct	*-11.02*	
		For >50 To 100, Deduct	*-20.31*	
		For >100, Deduct	*-32.06*	
		For 9' Door Height, Add	*34.50*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	227.76	29.67
		For >25 To 50, Deduct	*-11.19*	
		For >50 To 100, Deduct	*-20.67*	
		For >100, Deduct	*-32.68*	
		For 9' Door Height, Add	*35.37*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	234.44	30.96
		For >25 To 50, Deduct	*-11.54*	
		For >50 To 100, Deduct	*-21.29*	
		For >100, Deduct	*-33.62*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	253.40	30.96
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-22.95*	
		For >100, Deduct	*-36.46*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	270.96	32.25
		For >25 To 50, Deduct	*-13.10*	
		For >50 To 100, Deduct	*-24.52*	
		For >100, Deduct	*-39.03*	
		For 9' Door Height, Add	*43.36*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	166.80	28.38
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-23.60*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	166.80	28.38
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-15.30*	
		For >100, Deduct	*-23.60*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	175.78	29.67
		For Stave Lumber Core (SLC), Add	*87.32*	
		For Structural Composite Lumber Core (SCLC), Add	*52.39*	
		For >25 To 50, Deduct	*-9.11*	
		For >50 To 100, Deduct	*-16.12*	
		For >100, Deduct	*-24.88*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	182.16	29.67
		For Stave Lumber Core (SLC), Add	*92.11*	
		For Structural Composite Lumber Core (SCLC), Add	*55.26*	
		For >25 To 50, Deduct	*-9.36*	
		For >50 To 100, Deduct	*-16.68*	
		For >100, Deduct	*-25.84*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	183.32	29.67
		For Stave Lumber Core (SLC), Add	*92.98*	
		For Structural Composite Lumber Core (SCLC), Add	*55.79*	
		For >25 To 50, Deduct	*-9.41*	
		For >50 To 100, Deduct	*-16.78*	
		For >100, Deduct	*-26.01*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	187.08	30.96
		For Stave Lumber Core (SLC), Add	*93.87*	
		For Structural Composite Lumber Core (SCLC), Add	*56.32*	
		For >25 To 50, Deduct	*-9.65*	
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-26.51*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	200.89	30.96
		For Stave Lumber Core (SLC), Add	*104.23*	
		For Structural Composite Lumber Core (SCLC), Add	*62.54*	
		For >25 To 50, Deduct	*-10.20*	
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-28.59*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	228.64	32.25
		For Stave Lumber Core (SLC), Add	*123.11*	
		For Structural Composite Lumber Core (SCLC), Add	*73.86*	
		For >25 To 50, Deduct	*-11.40*	
		For >50 To 100, Deduct	*-20.81*	
		For >100, Deduct	*-32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	173.20	28.38
		For Stave Lumber Core (SLC), Add	*87.33*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-8.91*	
		For >50 To 100, Deduct	*-15.86*	
		For >100, Deduct	*-24.56*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	173.21	28.38
		For Stave Lumber Core (SLC), Add	*87.34*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-8.92*	
		For >50 To 100, Deduct	*-15.87*	
		For >100, Deduct	*-24.56*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	182.56	29.67
		For Stave Lumber Core (SLC), Add	*92.41*	
		For Structural Composite Lumber Core (SCLC), Add	*55.44*	
		For >25 To 50, Deduct	*-9.38*	
		For >50 To 100, Deduct	*-16.72*	
		For >100, Deduct	*-25.90*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	189.30	29.67
		For Stave Lumber Core (SLC), Add	*97.46*	
		For Structural Composite Lumber Core (SCLC), Add	*58.48*	
		For >25 To 50, Deduct	*-9.65*	
		For >50 To 100, Deduct	*-17.31*	
		For >100, Deduct	*-26.91*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	190.55	29.67
		For Stave Lumber Core (SLC), Add	*98.40*	
		For Structural Composite Lumber Core (SCLC), Add	*59.04*	
		For >25 To 50, Deduct	*-9.70*	
		For >50 To 100, Deduct	*-17.42*	
		For >100, Deduct	*-27.10*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	194.37	30.96
		For Stave Lumber Core (SLC), Add	*99.34*	
		For Structural Composite Lumber Core (SCLC), Add	*59.60*	
		For >25 To 50, Deduct	*-9.94*	
		For >50 To 100, Deduct	*-17.78*	
		For >100, Deduct	*-27.61*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	208.98	30.96
		For Stave Lumber Core (SLC), Add	*110.30*	
		For Structural Composite Lumber Core (SCLC), Add	*66.18*	
		For >25 To 50, Deduct	*-10.53*	
		For >50 To 100, Deduct	*-19.06*	
		For >100, Deduct	*-29.80*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	238.21	32.25
		For Stave Lumber Core (SLC), Add	*130.28*	
		For Structural Composite Lumber Core (SCLC), Add	*78.17*	
		For >25 To 50, Deduct	*-11.79*	
		For >50 To 100, Deduct	*-21.65*	
		For >100, Deduct	*-34.12*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	195.90	28.38
		For Stave Lumber Core (SLC), Add	*104.36*	
		For Structural Composite Lumber Core (SCLC), Add	*62.61*	
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-17.85*	
		For >100, Deduct	*-27.97*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	195.92	28.38
		For Stave Lumber Core (SLC), Add	*104.37*	
		For Structural Composite Lumber Core (SCLC), Add	*62.62*	
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-17.85*	
		For >100, Deduct	*-27.97*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	206.59	29.67
		For Stave Lumber Core (SLC), Add	*110.43*	
		For Structural Composite Lumber Core (SCLC), Add	*66.26*	
		For >25 To 50, Deduct	*-10.34*	
		For >50 To 100, Deduct	*-18.82*	
		For >100, Deduct	*-29.50*	
		For 9' Door Height, Add	*30.92*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	214.64	29.67
		For Stave Lumber Core (SLC), Add	*116.47*	
		For Structural Composite Lumber Core (SCLC), Add	*69.88*	
		For >25 To 50, Deduct	*-10.66*	
		For >50 To 100, Deduct	*-19.52*	
		For >100, Deduct	*-30.71*	
		For 9' Door Height, Add	*32.61*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	216.12	29.67
		For Stave Lumber Core (SLC), Add	*117.58*	
		For Structural Composite Lumber Core (SCLC), Add	*70.55*	
		For >25 To 50, Deduct	*-10.72*	
		For >50 To 100, Deduct	*-19.65*	
		For >100, Deduct	*-30.93*	
		For 9' Door Height, Add	*32.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	220.20	30.96
		For Stave Lumber Core (SLC), Add	*118.71*	
		For Structural Composite Lumber Core (SCLC), Add	*71.23*	
		For >25 To 50, Deduct	*-10.98*	
		For >50 To 100, Deduct	*-20.04*	
		For >100, Deduct	*-31.48*	
		For 9' Door Height, Add	*33.24*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	237.66	30.96
		For Stave Lumber Core (SLC), Add	*131.81*	
		For Structural Composite Lumber Core (SCLC), Add	*79.08*	
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-21.57*	
		For >100, Deduct	*-34.10*	
		For 9' Door Height, Add	*36.91*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	272.09	32.25
		For Stave Lumber Core (SLC), Add	*155.69*	
		For Structural Composite Lumber Core (SCLC), Add	*93.42*	
		For >25 To 50, Deduct	*-13.14*	
		For >50 To 100, Deduct	*-24.61*	
		For >100, Deduct	*-39.20*	
		For 9' Door Height, Add	*43.59*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.27	28.38
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-24.01*	
		For >100, Deduct	*-38.52*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.27	28.38
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-24.01*	
		For >100, Deduct	*-38.52*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	257.82	29.67
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*148.85*	
		For Structural Composite Lumber Core (SCLC), Add	*89.31*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*342.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.16*	
		For >25 To 50, Deduct	*-12.39*	
		For >50 To 100, Deduct	*-23.30*	
		For >100, Deduct	*-37.19*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	266.09	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.13*	
		For Stave Lumber Core (SLC), Add	*155.06*	
		For Structural Composite Lumber Core (SCLC), Add	*93.03*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.09*	
		For >25 To 50, Deduct	*-12.72*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-38.43*	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	271.63	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.21*	
		For Structural Composite Lumber Core (SCLC), Add	*95.53*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*366.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.74*	
		For >25 To 50, Deduct	*-12.94*	
		For >50 To 100, Deduct	*-24.51*	
		For >100, Deduct	*-39.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	279.70	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.34*	
		For Structural Composite Lumber Core (SCLC), Add	*98.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.34*	
		For >25 To 50, Deduct	*-13.36*	
		For >50 To 100, Deduct	*-25.25*	
		For >100, Deduct	*-40.41*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	303.65	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.30*	
		For Structural Composite Lumber Core (SCLC), Add	*108.78*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*416.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.08*	
		For >25 To 50, Deduct	*-14.31*	
		For >50 To 100, Deduct	*-27.34*	
		For >100, Deduct	*-44.00*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.99	32.25
		For 7 Ply Cold Press Construction, Deduct	*-5.87*	
		For Stave Lumber Core (SLC), Add	*220.12*	
		For Structural Composite Lumber Core (SCLC), Add	*132.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*506.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*352.19*	
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-52.09*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	372.66	32.25
		For 7 Ply Cold Press Construction, Deduct	*-6.16*	
		For Stave Lumber Core (SLC), Add	*231.12*	
		For Structural Composite Lumber Core (SCLC), Add	*138.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*531.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*369.79*	
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-33.41*	
		For >100, Deduct	*-54.29*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.17	34.83
		For 7 Ply Cold Press Construction, Deduct	*-6.75*	
		For Stave Lumber Core (SLC), Add	*253.13*	
		For Structural Composite Lumber Core (SCLC), Add	*151.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*582.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.00*	
		For >25 To 50, Deduct	*-18.73*	
		For >50 To 100, Deduct	*-36.50*	
		For >100, Deduct	*-59.33*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	256.36	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-12.24*	
		For >50 To 100, Deduct	*-23.14*	
		For >100, Deduct	*-37.04*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	256.36	28.38
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-12.24*	
		For >50 To 100, Deduct	*-23.14*	
		For >100, Deduct	*-37.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	269.38	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.20*	
		For Stave Lumber Core (SLC), Add	*157.52*	
		For Structural Composite Lumber Core (SCLC), Add	*94.51*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.04*	
		For >25 To 50, Deduct	*-12.85*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-38.92*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	278.13	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.09*	
		For Structural Composite Lumber Core (SCLC), Add	*98.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.54*	
		For >25 To 50, Deduct	*-13.20*	
		For >50 To 100, Deduct	*-25.08*	
		For >100, Deduct	*-40.24*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	283.98	29.67
		For 7 Ply Cold Press Construction, Deduct	*-4.49*	
		For Stave Lumber Core (SLC), Add	*168.47*	
		For Structural Composite Lumber Core (SCLC), Add	*101.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*387.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.56*	
		For >25 To 50, Deduct	*-13.44*	
		For >50 To 100, Deduct	*-25.59*	
		For >100, Deduct	*-41.11*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	292.37	30.96
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.84*	
		For Structural Composite Lumber Core (SCLC), Add	*103.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*397.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.54*	
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-26.36*	
		For >100, Deduct	*-42.31*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	317.72	30.96
		For 7 Ply Cold Press Construction, Deduct	*-5.12*	
		For Stave Lumber Core (SLC), Add	*191.85*	
		For Structural Composite Lumber Core (SCLC), Add	*115.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*441.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.96*	
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-46.11*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.07	32.25
		For 7 Ply Cold Press Construction, Deduct	*-6.21*	
		For Stave Lumber Core (SLC), Add	*232.93*	
		For Structural Composite Lumber Core (SCLC), Add	*139.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*535.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.68*	
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-33.62*	
		For >100, Deduct	*-54.65*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	390.60	32.25
		For 7 Ply Cold Press Construction, Deduct	*-6.52*	
		For Stave Lumber Core (SLC), Add	*244.58*	
		For Structural Composite Lumber Core (SCLC), Add	*146.75*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*562.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*391.32*	
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-34.98*	
		For >100, Deduct	*-56.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	426.82	34.83
		For 7 Ply Cold Press Construction, Deduct	*-7.14*	
		For Stave Lumber Core (SLC), Add	*267.86*	
		For Structural Composite Lumber Core (SCLC), Add	*160.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*616.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*428.58*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-38.22*	
		For >100, Deduct	*-62.28*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	321.69	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-14.85*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-46.83*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	321.69	28.38
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-14.85*	
		For >50 To 100, Deduct	*-28.86*	
		For >100, Deduct	*-46.83*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	310.33	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.02*	
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.94*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*432.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.18*	
		For >25 To 50, Deduct	*-14.49*	
		For >50 To 100, Deduct	*-27.90*	
		For >100, Deduct	*-45.07*	
		For 9' Door Height, Add	*52.71*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	320.78	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.23*	
		For Stave Lumber Core (SLC), Add	*196.07*	
		For Structural Composite Lumber Core (SCLC), Add	*117.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*450.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.72*	
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-28.81*	
		For >100, Deduct	*-46.63*	
		For 9' Door Height, Add	*54.90*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.77	29.67
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.32*	
		For Structural Composite Lumber Core (SCLC), Add	*120.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*463.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.10*	
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-29.42*	
		For >100, Deduct	*-47.68*	
		For 9' Door Height, Add	*56.37*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	337.30	30.96
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.54*	
		For Structural Composite Lumber Core (SCLC), Add	*123.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*475.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*206.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*330.46*	
		For >25 To 50, Deduct	*-15.66*	
		For >50 To 100, Deduct	*-30.29*	
		For >100, Deduct	*-49.05*	
		For 9' Door Height, Add	*57.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.59	30.96
		For 7 Ply Cold Press Construction, Deduct	*-6.11*	
		For Stave Lumber Core (SLC), Add	*229.25*	
		For Structural Composite Lumber Core (SCLC), Add	*137.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*527.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*229.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*366.80*	
		For >25 To 50, Deduct	*-16.87*	
		For >50 To 100, Deduct	*-32.94*	
		For >100, Deduct	*-53.59*	
		For 9' Door Height, Add	*64.19*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	435.62	32.25
		For 7 Ply Cold Press Construction, Deduct	*-7.42*	
		For Stave Lumber Core (SLC), Add	*278.34*	
		For Structural Composite Lumber Core (SCLC), Add	*167.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*640.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*200.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*278.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*445.34*	
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-38.92*	
		For >100, Deduct	*-63.73*	
		For 9' Door Height, Add	*77.94*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	454.18	32.25
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*292.26*	
		For Structural Composite Lumber Core (SCLC), Add	*175.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*672.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*292.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*467.62*	
		For >25 To 50, Deduct	*-20.42*	
		For >50 To 100, Deduct	*-40.55*	
		For >100, Deduct	*-66.51*	
		For 9' Door Height, Add	*81.83*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	496.46	34.83
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.09*	
		For Structural Composite Lumber Core (SCLC), Add	*192.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*736.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.15*	
		For >25 To 50, Deduct	*-22.30*	
		For >50 To 100, Deduct	*-44.31*	
		For >100, Deduct	*-72.73*	
		For 9' Door Height, Add	*89.63*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.79	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-20.34*	
		For >50 To 100, Deduct	*-40.85*	
		For >100, Deduct	*-67.40*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.79	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-20.34*	
		For >50 To 100, Deduct	*-40.85*	
		For >100, Deduct	*-67.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	461.38	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-20.53*	
		For >50 To 100, Deduct	*-41.11*	
		For >100, Deduct	*-67.72*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	465.51	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.12*	
		For Stave Lumber Core (SLC), Add	*304.62*	
		For Structural Composite Lumber Core (SCLC), Add	*182.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*700.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.39*	
		For >25 To 50, Deduct	*-20.70*	
		For >50 To 100, Deduct	*-41.47*	
		For >100, Deduct	*-68.34*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	467.38	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.02*	
		For Structural Composite Lumber Core (SCLC), Add	*183.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*703.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*489.64*	
		For >25 To 50, Deduct	*-20.77*	
		For >50 To 100, Deduct	*-41.64*	
		For >100, Deduct	*-68.62*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	471.81	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.20*	
		For Stave Lumber Core (SLC), Add	*307.42*	
		For Structural Composite Lumber Core (SCLC), Add	*184.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*707.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*491.87*	
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-42.06*	
		For >100, Deduct	*-69.22*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	516.84	30.96
		For 7 Ply Cold Press Construction, Deduct	*-9.10*	
		For Stave Lumber Core (SLC), Add	*341.19*	
		For Structural Composite Lumber Core (SCLC), Add	*204.71*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*784.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*341.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*545.90*	
		For >25 To 50, Deduct	*-22.84*	
		For >50 To 100, Deduct	*-46.00*	
		For >100, Deduct	*-75.98*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	635.35	32.25
		For 7 Ply Cold Press Construction, Deduct	*-11.42*	
		For Stave Lumber Core (SLC), Add	*428.14*	
		For Structural Composite Lumber Core (SCLC), Add	*256.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*984.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*308.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*428.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*685.02*	
		For >25 To 50, Deduct	*-27.67*	
		For >50 To 100, Deduct	*-56.40*	
		For >100, Deduct	*-93.69*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	664.29	32.25
		For 7 Ply Cold Press Construction, Deduct	*-12.00*	
		For Stave Lumber Core (SLC), Add	*449.84*	
		For Structural Composite Lumber Core (SCLC), Add	*269.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,034.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*323.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*449.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*719.75*	
		For >25 To 50, Deduct	*-28.83*	
		For >50 To 100, Deduct	*-58.93*	
		For >100, Deduct	*-98.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	726.16	34.83
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.37*	
		For Structural Composite Lumber Core (SCLC), Add	*295.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.79*	
		For >25 To 50, Deduct	*-31.48*	
		For >50 To 100, Deduct	*-64.41*	
		For >100, Deduct	*-107.18*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.18	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-21.27*	
		For >50 To 100, Deduct	*-42.90*	
		For >100, Deduct	*-70.91*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.18	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-21.27*	
		For >50 To 100, Deduct	*-42.90*	
		For >100, Deduct	*-70.91*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	484.77	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-21.47*	
		For >50 To 100, Deduct	*-43.16*	
		For >100, Deduct	*-71.23*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	489.13	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.34*	
		For Structural Composite Lumber Core (SCLC), Add	*193.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*741.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*232.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.74*	
		For >25 To 50, Deduct	*-21.64*	
		For >50 To 100, Deduct	*-43.54*	
		For >100, Deduct	*-71.89*	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	491.12	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.64*	
		For Stave Lumber Core (SLC), Add	*323.83*	
		For Structural Composite Lumber Core (SCLC), Add	*194.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*744.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*233.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*323.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*518.12*	
		For >25 To 50, Deduct	*-21.72*	
		For >50 To 100, Deduct	*-43.71*	
		For >100, Deduct	*-72.18*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	495.68	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.32*	
		For Structural Composite Lumber Core (SCLC), Add	*195.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.51*	
		For >25 To 50, Deduct	*-21.99*	
		For >50 To 100, Deduct	*-44.15*	
		For >100, Deduct	*-72.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	543.32	30.96
		For 7 Ply Cold Press Construction, Deduct	*-9.63*	
		For Stave Lumber Core (SLC), Add	*361.05*	
		For Structural Composite Lumber Core (SCLC), Add	*216.63*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*830.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*361.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*577.68*	
		For >25 To 50, Deduct	*-23.90*	
		For >50 To 100, Deduct	*-48.31*	
		For >100, Deduct	*-79.95*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	668.58	32.25
		For 7 Ply Cold Press Construction, Deduct	*-12.08*	
		For Stave Lumber Core (SLC), Add	*453.06*	
		For Structural Composite Lumber Core (SCLC), Add	*271.84*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,042.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*326.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*453.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*724.90*	
		For >25 To 50, Deduct	*-29.00*	
		For >50 To 100, Deduct	*-59.31*	
		For >100, Deduct	*-98.67*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	699.19	32.25
		For 7 Ply Cold Press Construction, Deduct	*-12.69*	
		For Stave Lumber Core (SLC), Add	*476.02*	
		For Structural Composite Lumber Core (SCLC), Add	*285.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,094.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*342.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*476.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*761.63*	
		For >25 To 50, Deduct	*-30.23*	
		For >50 To 100, Deduct	*-61.99*	
		For >100, Deduct	*-103.27*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	764.35	34.83
		For 7 Ply Cold Press Construction, Deduct	*-13.89*	
		For Stave Lumber Core (SLC), Add	*521.01*	
		For Structural Composite Lumber Core (SCLC), Add	*312.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.62*	
		For >25 To 50, Deduct	*-33.01*	
		For >50 To 100, Deduct	*-67.75*	
		For >100, Deduct	*-112.91*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	565.12	28.38
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-50.16*	
		For >100, Deduct	*-83.35*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	565.12	28.38
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-50.16*	
		For >100, Deduct	*-83.35*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.71	29.67
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-24.79*	
		For >50 To 100, Deduct	*-50.42*	
		For >100, Deduct	*-83.67*	
		For 9' Door Height, Add	*106.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	572.95	29.67
		For 7 Ply Cold Press Construction, Deduct	*-10.27*	
		For Stave Lumber Core (SLC), Add	*385.20*	
		For Structural Composite Lumber Core (SCLC), Add	*231.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*885.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*277.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*385.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*616.32*	
		For >25 To 50, Deduct	*-25.00*	
		For >50 To 100, Deduct	*-50.88*	
		For >100, Deduct	*-84.46*	
		For 9' Door Height, Add	*107.86*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	575.33	29.67
		For 7 Ply Cold Press Construction, Deduct	*-10.32*	
		For Stave Lumber Core (SLC), Add	*386.99*	
		For Structural Composite Lumber Core (SCLC), Add	*232.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*890.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*278.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*386.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*619.18*	
		For >25 To 50, Deduct	*-25.09*	
		For >50 To 100, Deduct	*-51.08*	
		For >100, Deduct	*-84.82*	
		For 9' Door Height, Add	*108.36*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	580.24	30.96
		For 7 Ply Cold Press Construction, Deduct	*-10.37*	
		For Stave Lumber Core (SLC), Add	*388.74*	
		For Structural Composite Lumber Core (SCLC), Add	*233.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*894.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*279.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*388.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*621.98*	
		For >25 To 50, Deduct	*-25.38*	
		For >50 To 100, Deduct	*-51.55*	
		For >100, Deduct	*-85.49*	
		For 9' Door Height, Add	*108.85*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	637.18	30.96
		For 7 Ply Cold Press Construction, Deduct	*-11.51*	
		For Stave Lumber Core (SLC), Add	*431.45*	
		For Structural Composite Lumber Core (SCLC), Add	*258.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*992.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*310.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*431.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*690.31*	
		For >25 To 50, Deduct	*-27.65*	
		For >50 To 100, Deduct	*-56.53*	
		For >100, Deduct	*-94.03*	
		For 9' Door Height, Add	*120.80*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	786.38	32.25
		For 7 Ply Cold Press Construction, Deduct	*-14.44*	
		For Stave Lumber Core (SLC), Add	*541.41*	
		For Structural Composite Lumber Core (SCLC), Add	*324.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,245.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*86.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*389.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*541.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*866.26*	
		For >25 To 50, Deduct	*-33.71*	
		For >50 To 100, Deduct	*-69.61*	
		For >100, Deduct	*-116.34*	
		For 9' Door Height, Add	*151.59*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	822.95	32.25
		For 7 Ply Cold Press Construction, Deduct	*-15.17*	
		For Stave Lumber Core (SLC), Add	*568.84*	
		For Structural Composite Lumber Core (SCLC), Add	*341.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,308.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*409.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*568.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*910.14*	
		For >25 To 50, Deduct	*-35.18*	
		For >50 To 100, Deduct	*-72.81*	
		For >100, Deduct	*-121.83*	
		For 9' Door Height, Add	*159.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	899.82	34.83
		For 7 Ply Cold Press Construction, Deduct	*-16.60*	
		For Stave Lumber Core (SLC), Add	*622.61*	
		For Structural Composite Lumber Core (SCLC), Add	*373.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.18*	
		For >25 To 50, Deduct	*-38.43*	
		For >50 To 100, Deduct	*-79.61*	
		For >100, Deduct	*-133.23*	
		For 9' Door Height, Add	*174.33*	
08 14 16 00-0503		Maple Faced Wood Doors *(08 14 16 00-0440)*		
08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	396.33	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-35.39*	
		For >100, Deduct	*-58.03*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	396.33	28.38
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-35.39*	
		For >100, Deduct	*-58.03*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	398.92	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-18.03*	
		For >50 To 100, Deduct	*-35.65*	
		For >100, Deduct	*-58.35*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	402.42	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.30*	
		For Structural Composite Lumber Core (SCLC), Add	*154.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.68*	
		For >25 To 50, Deduct	*-18.17*	
		For >50 To 100, Deduct	*-35.95*	
		For >100, Deduct	*-58.88*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	403.98	29.67
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.47*	
		For Structural Composite Lumber Core (SCLC), Add	*155.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*594.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.56*	
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-36.09*	
		For >100, Deduct	*-59.11*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	408.14	30.96
		For 7 Ply Cold Press Construction, Deduct	*-6.92*	
		For Stave Lumber Core (SLC), Add	*259.67*	
		For Structural Composite Lumber Core (SCLC), Add	*155.80*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*597.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*259.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*415.46*	
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-36.49*	
		For >100, Deduct	*-59.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	446.18	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.69*	
		For Stave Lumber Core (SLC), Add	*288.20*	
		For Structural Composite Lumber Core (SCLC), Add	*172.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*662.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.11*	
		For >25 To 50, Deduct	*-20.01*	
		For >50 To 100, Deduct	*-39.81*	
		For >100, Deduct	*-65.38*	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	522.56	32.25
		For 7 Ply Cold Press Construction, Deduct	*-9.16*	
		For Stave Lumber Core (SLC), Add	*343.55*	
		For Structural Composite Lumber Core (SCLC), Add	*206.13*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*790.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*343.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*549.67*	
		For >25 To 50, Deduct	*-23.16*	
		For >50 To 100, Deduct	*-46.53*	
		For >100, Deduct	*-76.77*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	570.77	32.25
		For 7 Ply Cold Press Construction, Deduct	*-10.13*	
		For Stave Lumber Core (SLC), Add	*379.70*	
		For Structural Composite Lumber Core (SCLC), Add	*227.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*873.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*607.52*	
		For >25 To 50, Deduct	*-25.09*	
		For >50 To 100, Deduct	*-50.75*	
		For >100, Deduct	*-84.00*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.03	32.25
		For 7 Ply Cold Press Construction, Deduct	*-11.09*	
		For Stave Lumber Core (SLC), Add	*415.90*	
		For Structural Composite Lumber Core (SCLC), Add	*249.54*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*956.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*415.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*665.44*	
		For >25 To 50, Deduct	*-27.02*	
		For >50 To 100, Deduct	*-54.97*	
		For >100, Deduct	*-91.24*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	416.09	28.38
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-37.12*	
		For >100, Deduct	*-60.99*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	416.09	28.38
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-37.12*	
		For >100, Deduct	*-60.99*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	418.68	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-37.38*	
		For >100, Deduct	*-61.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	422.37	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.27*	
		For Structural Composite Lumber Core (SCLC), Add	*163.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*626.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.62*	
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-37.70*	
		For >100, Deduct	*-61.87*	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	424.05	29.67
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.53*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*629.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.64*	
		For >25 To 50, Deduct	*-19.04*	
		For >50 To 100, Deduct	*-37.85*	
		For >100, Deduct	*-62.12*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	428.29	30.96
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.78*	
		For Structural Composite Lumber Core (SCLC), Add	*164.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*631.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*274.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*439.64*	
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-62.70*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	468.53	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.96*	
		For Structural Composite Lumber Core (SCLC), Add	*182.97*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*701.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.93*	
		For >25 To 50, Deduct	*-20.91*	
		For >50 To 100, Deduct	*-41.77*	
		For >100, Deduct	*-68.73*	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	549.22	32.25
		For 7 Ply Cold Press Construction, Deduct	*-9.69*	
		For Stave Lumber Core (SLC), Add	*363.54*	
		For Structural Composite Lumber Core (SCLC), Add	*218.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*836.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*261.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*363.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*581.66*	
		For >25 To 50, Deduct	*-24.23*	
		For >50 To 100, Deduct	*-48.86*	
		For >100, Deduct	*-80.77*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.25	32.25
		For 7 Ply Cold Press Construction, Deduct	*-10.72*	
		For Stave Lumber Core (SLC), Add	*401.81*	
		For Structural Composite Lumber Core (SCLC), Add	*241.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*924.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*401.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*642.90*	
		For >25 To 50, Deduct	*-26.27*	
		For >50 To 100, Deduct	*-53.33*	
		For >100, Deduct	*-88.43*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	651.31	32.25
		For 7 Ply Cold Press Construction, Deduct	*-11.74*	
		For Stave Lumber Core (SLC), Add	*440.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,012.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*440.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*704.17*	
		For >25 To 50, Deduct	*-28.31*	
		For >50 To 100, Deduct	*-57.80*	
		For >100, Deduct	*-96.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.15	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-21.43*	
		For >50 To 100, Deduct	*-43.25*	
		For >100, Deduct	*-71.50*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.15	28.38
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-21.43*	
		For >50 To 100, Deduct	*-43.25*	
		For >100, Deduct	*-71.50*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	488.74	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-21.63*	
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-71.83*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	493.16	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.36*	
		For Structural Composite Lumber Core (SCLC), Add	*195.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.57*	
		For >25 To 50, Deduct	*-21.80*	
		For >50 To 100, Deduct	*-43.89*	
		For >100, Deduct	*-72.49*	
		For 9' Door Height, Add	*91.10*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	495.17	29.67
		For 7 Ply Cold Press Construction, Deduct	*-8.72*	
		For Stave Lumber Core (SLC), Add	*326.87*	
		For Structural Composite Lumber Core (SCLC), Add	*196.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*751.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*326.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*522.98*	
		For >25 To 50, Deduct	*-21.88*	
		For >50 To 100, Deduct	*-44.07*	
		For >100, Deduct	*-72.79*	
		For 9' Door Height, Add	*91.52*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	499.72	30.96
		For 7 Ply Cold Press Construction, Deduct	*-8.76*	
		For Stave Lumber Core (SLC), Add	*328.35*	
		For Structural Composite Lumber Core (SCLC), Add	*197.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*755.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*525.36*	
		For >25 To 50, Deduct	*-22.16*	
		For >50 To 100, Deduct	*-44.50*	
		For >100, Deduct	*-73.41*	
		For 9' Door Height, Add	*91.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	547.82	30.96
		For 7 Ply Cold Press Construction, Deduct	*-9.72*	
		For Stave Lumber Core (SLC), Add	*364.43*	
		For Structural Composite Lumber Core (SCLC), Add	*218.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*838.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.08*	
		For >25 To 50, Deduct	*-24.08*	
		For >50 To 100, Deduct	*-48.71*	
		For >100, Deduct	*-80.63*	
		For 9' Door Height, Add	*102.04*	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	643.74	32.25
		For 7 Ply Cold Press Construction, Deduct	*-11.58*	
		For Stave Lumber Core (SLC), Add	*434.43*	
		For Structural Composite Lumber Core (SCLC), Add	*260.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*999.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*312.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*434.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*695.09*	
		For >25 To 50, Deduct	*-28.01*	
		For >50 To 100, Deduct	*-57.13*	
		For >100, Deduct	*-94.95*	
		For 9' Door Height, Add	*121.64*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	704.71	32.25
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.16*	
		For Structural Composite Lumber Core (SCLC), Add	*288.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.25*	
		For >25 To 50, Deduct	*-30.45*	
		For >50 To 100, Deduct	*-62.47*	
		For >100, Deduct	*-104.09*	
		For 9' Door Height, Add	*134.44*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	765.72	32.25
		For 7 Ply Cold Press Construction, Deduct	*-14.02*	
		For Stave Lumber Core (SLC), Add	*525.92*	
		For Structural Composite Lumber Core (SCLC), Add	*315.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,209.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*378.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*525.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*841.46*	
		For >25 To 50, Deduct	*-32.89*	
		For >50 To 100, Deduct	*-67.81*	
		For >100, Deduct	*-113.25*	
		For 9' Door Height, Add	*147.26*	

08 14 16 00-0534 Walnut Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	673.59	28.38
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-28.93*	
		For >50 To 100, Deduct	*-59.65*	
		For >100, Deduct	*-99.62*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	673.59	28.38
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-28.93*	
		For >50 To 100, Deduct	*-59.65*	
		For >100, Deduct	*-99.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	676.37	29.67
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.77*	
		For Structural Composite Lumber Core (SCLC), Add	*277.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.42*	
		For >25 To 50, Deduct	*-29.13*	
		For >50 To 100, Deduct	*-59.92*	
		For >100, Deduct	*-99.97*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	682.73	29.67
		For 7 Ply Cold Press Construction, Deduct	*-12.47*	
		For Stave Lumber Core (SLC), Add	*467.54*	
		For Structural Composite Lumber Core (SCLC), Add	*280.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,075.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*336.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*467.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*748.06*	
		For >25 To 50, Deduct	*-29.39*	
		For >50 To 100, Deduct	*-60.48*	
		For >100, Deduct	*-100.93*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	699.36	29.67
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.01*	
		For Structural Composite Lumber Core (SCLC), Add	*288.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.01*	
		For >25 To 50, Deduct	*-30.05*	
		For >50 To 100, Deduct	*-61.94*	
		For >100, Deduct	*-103.42*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	718.53	30.96
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.46*	
		For Structural Composite Lumber Core (SCLC), Add	*295.47*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.93*	
		For >25 To 50, Deduct	*-30.91*	
		For >50 To 100, Deduct	*-63.65*	
		For >100, Deduct	*-106.23*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	761.65	30.96
		For 7 Ply Cold Press Construction, Deduct	*-13.99*	
		For Stave Lumber Core (SLC), Add	*524.80*	
		For Structural Composite Lumber Core (SCLC), Add	*314.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,207.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*377.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*524.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*839.68*	
		For >25 To 50, Deduct	*-32.63*	
		For >50 To 100, Deduct	*-67.42*	
		For >100, Deduct	*-112.70*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	946.22	32.25
		For 7 Ply Cold Press Construction, Deduct	*-17.63*	
		For Stave Lumber Core (SLC), Add	*661.29*	
		For Structural Composite Lumber Core (SCLC), Add	*396.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,520.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*105.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*476.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*661.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,058.06*	
		For >25 To 50, Deduct	*-40.11*	
		For >50 To 100, Deduct	*-83.60*	
		For >100, Deduct	*-140.32*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	990.29	32.25
		For 7 Ply Cold Press Construction, Deduct	*-18.52*	
		For Stave Lumber Core (SLC), Add	*694.34*	
		For Structural Composite Lumber Core (SCLC), Add	*416.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,596.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*499.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*694.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,110.95*	
		For >25 To 50, Deduct	*-41.87*	
		For >50 To 100, Deduct	*-87.46*	
		For >100, Deduct	*-146.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,078.51	32.25
		For 7 Ply Cold Press Construction, Deduct	*-20.28*	
		For Stave Lumber Core (SLC), Add	*760.51*	
		For Structural Composite Lumber Core (SCLC), Add	*456.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,749.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*121.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*547.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*760.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,216.81*	
		For >25 To 50, Deduct	*-45.40*	
		For >50 To 100, Deduct	*-95.18*	
		For >100, Deduct	*-160.16*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	709.48	28.38
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-30.37*	
		For >50 To 100, Deduct	*-62.79*	
		For >100, Deduct	*-105.00*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	709.48	28.38
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-30.37*	
		For >50 To 100, Deduct	*-62.79*	
		For >100, Deduct	*-105.00*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	712.27	29.67
		For 7 Ply Cold Press Construction, Deduct	*-13.06*	
		For Stave Lumber Core (SLC), Add	*489.69*	
		For Structural Composite Lumber Core (SCLC), Add	*293.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,126.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.50*	
		For >25 To 50, Deduct	*-30.57*	
		For >50 To 100, Deduct	*-63.07*	
		For >100, Deduct	*-105.36*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	719.02	29.67
		For 7 Ply Cold Press Construction, Deduct	*-13.19*	
		For Stave Lumber Core (SLC), Add	*494.75*	
		For Structural Composite Lumber Core (SCLC), Add	*296.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,137.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*79.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*356.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*494.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*791.60*	
		For >25 To 50, Deduct	*-30.84*	
		For >50 To 100, Deduct	*-63.66*	
		For >100, Deduct	*-106.37*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	736.60	29.67
		For 7 Ply Cold Press Construction, Deduct	*-13.55*	
		For Stave Lumber Core (SLC), Add	*507.94*	
		For Structural Composite Lumber Core (SCLC), Add	*304.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,168.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*365.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*507.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*812.70*	
		For >25 To 50, Deduct	*-31.54*	
		For >50 To 100, Deduct	*-65.19*	
		For >100, Deduct	*-109.01*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	756.72	30.96
		For 7 Ply Cold Press Construction, Deduct	*-13.90*	
		For Stave Lumber Core (SLC), Add	*521.10*	
		For Structural Composite Lumber Core (SCLC), Add	*312.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.76*	
		For >25 To 50, Deduct	*-32.44*	
		For >50 To 100, Deduct	*-66.99*	
		For >100, Deduct	*-111.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	802.38	30.96
		For 7 Ply Cold Press Construction, Deduct	*-14.81*	
		For Stave Lumber Core (SLC), Add	*555.35*	
		For Structural Composite Lumber Core (SCLC), Add	*333.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,277.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.55*	
		For >25 To 50, Deduct	*-34.26*	
		For >50 To 100, Deduct	*-70.98*	
		For >100, Deduct	*-118.81*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	997.52	32.25
		For 7 Ply Cold Press Construction, Deduct	*-18.66*	
		For Stave Lumber Core (SLC), Add	*699.77*	
		For Structural Composite Lumber Core (SCLC), Add	*419.86*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,609.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*503.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*699.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,119.62*	
		For >25 To 50, Deduct	*-42.16*	
		For >50 To 100, Deduct	*-88.09*	
		For >100, Deduct	*-148.02*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,044.17	32.25
		For 7 Ply Cold Press Construction, Deduct	*-19.59*	
		For Stave Lumber Core (SLC), Add	*734.75*	
		For Structural Composite Lumber Core (SCLC), Add	*440.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,689.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*117.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*529.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*734.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,175.60*	
		For >25 To 50, Deduct	*-44.02*	
		For >50 To 100, Deduct	*-92.17*	
		For >100, Deduct	*-155.01*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,137.51	32.25
		For 7 Ply Cold Press Construction, Deduct	*-21.46*	
		For Stave Lumber Core (SLC), Add	*804.76*	
		For Structural Composite Lumber Core (SCLC), Add	*482.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,850.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*128.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*579.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*804.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,287.61*	
		For >25 To 50, Deduct	*-47.76*	
		For >50 To 100, Deduct	*-100.34*	
		For >100, Deduct	*-169.01*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	836.77	28.38
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-35.46*	
		For >50 To 100, Deduct	*-73.93*	
		For >100, Deduct	*-124.10*	
		For 9' Door Height, Add	*163.80*	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	836.77	28.38
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-35.46*	
		For >50 To 100, Deduct	*-73.93*	
		For >100, Deduct	*-124.10*	
		For 9' Door Height, Add	*163.80*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	839.59	29.67
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.18*	
		For Structural Composite Lumber Core (SCLC), Add	*351.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.29*	
		For >25 To 50, Deduct	*-35.66*	
		For >50 To 100, Deduct	*-74.21*	
		For >100, Deduct	*-124.45*	
		For 9' Door Height, Add	*163.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	847.65	29.67
		For 7 Ply Cold Press Construction, Deduct	*-15.77*	
		For Stave Lumber Core (SLC), Add	*591.23*	
		For Structural Composite Lumber Core (SCLC), Add	*354.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,359.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*94.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*425.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*591.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*945.96*	
		For >25 To 50, Deduct	*-35.98*	
		For >50 To 100, Deduct	*-74.91*	
		For >100, Deduct	*-125.66*	
		For 9' Door Height, Add	*165.54*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	868.66	29.67
		For 7 Ply Cold Press Construction, Deduct	*-16.19*	
		For Stave Lumber Core (SLC), Add	*606.98*	
		For Structural Composite Lumber Core (SCLC), Add	*364.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,396.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*606.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*971.17*	
		For >25 To 50, Deduct	*-36.82*	
		For >50 To 100, Deduct	*-76.75*	
		For >100, Deduct	*-128.82*	
		For 9' Door Height, Add	*169.96*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	892.23	30.96
		For 7 Ply Cold Press Construction, Deduct	*-16.61*	
		For Stave Lumber Core (SLC), Add	*622.73*	
		For Structural Composite Lumber Core (SCLC), Add	*373.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.37*	
		For >25 To 50, Deduct	*-37.86*	
		For >50 To 100, Deduct	*-78.84*	
		For >100, Deduct	*-132.29*	
		For 9' Door Height, Add	*174.37*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	946.78	30.96
		For 7 Ply Cold Press Construction, Deduct	*-17.70*	
		For Stave Lumber Core (SLC), Add	*663.65*	
		For Structural Composite Lumber Core (SCLC), Add	*398.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,526.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*106.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*477.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*663.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,061.83*	
		For >25 To 50, Deduct	*-40.04*	
		For >50 To 100, Deduct	*-83.62*	
		For >100, Deduct	*-140.47*	
		For 9' Door Height, Add	*185.82*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,179.48	32.25
		For 7 Ply Cold Press Construction, Deduct	*-22.30*	
		For Stave Lumber Core (SLC), Add	*836.24*	
		For Structural Composite Lumber Core (SCLC), Add	*501.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,923.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*133.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*602.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*836.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,337.98*	
		For >25 To 50, Deduct	*-49.44*	
		For >50 To 100, Deduct	*-104.01*	
		For >100, Deduct	*-175.31*	
		For 9' Door Height, Add	*234.15*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,235.22	32.25
		For 7 Ply Cold Press Construction, Deduct	*-23.41*	
		For Stave Lumber Core (SLC), Add	*878.04*	
		For Structural Composite Lumber Core (SCLC), Add	*526.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,019.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*140.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*632.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*878.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,404.86*	
		For >25 To 50, Deduct	*-51.67*	
		For >50 To 100, Deduct	*-108.89*	
		For >100, Deduct	*-183.67*	
		For 9' Door Height, Add	*245.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,346.75	32.25
		For 7 Ply Cold Press Construction, Deduct	*-25.65*	
		For Stave Lumber Core (SLC), Add	*961.69*	
		For Structural Composite Lumber Core (SCLC), Add	*577.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,211.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*153.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*692.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*961.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,538.70*	
		For >25 To 50, Deduct	*-56.13*	
		For >50 To 100, Deduct	*-118.65*	
		For >100, Deduct	*-200.40*	
		For 9' Door Height, Add	*269.27*	
08 14 16 00-0565		**Lauan Faced Wood Doors** *(08 14 16 00-0440)*		
08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	216.11	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
		For >25 To 50, Deduct	*-10.63*	
		For >50 To 100, Deduct	*-19.62*	
		For >100, Deduct	*-31.00*	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	216.11	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
		For >25 To 50, Deduct	*-10.63*	
		For >50 To 100, Deduct	*-19.62*	
		For >100, Deduct	*-31.00*	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	219.16	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*275.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.77*	
		For >25 To 50, Deduct	*-10.84*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-31.39*	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	223.75	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*283.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.28*	
		For >25 To 50, Deduct	*-11.03*	
		For >50 To 100, Deduct	*-20.32*	
		For >100, Deduct	*-32.08*	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	225.41	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*286.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.27*	
		For >25 To 50, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-32.33*	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	229.64	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*289.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*201.26*	
		For >25 To 50, Deduct	*-11.35*	
		For >50 To 100, Deduct	*-20.87*	
		For >100, Deduct	*-32.90*	
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	244.80	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*315.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.46*	
		For >25 To 50, Deduct	*-11.96*	
		For >50 To 100, Deduct	*-22.19*	
		For >100, Deduct	*-35.17*	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	260.42	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*337.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.10*	
		For >25 To 50, Deduct	*-12.67*	
		For >50 To 100, Deduct	*-23.59*	
		For >100, Deduct	*-37.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	270.22	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*354.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*246.86*	
		For >25 To 50, Deduct	*-13.07*	
		For >50 To 100, Deduct	*-24.45*	
		For >100, Deduct	*-38.92*	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	289.82	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*388.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.38*	
		For >25 To 50, Deduct	*-13.85*	
		For >50 To 100, Deduct	*-26.17*	
		For >100, Deduct	*-41.86*	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	225.37	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-20.43*	
		For >100, Deduct	*-32.39*	
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	225.37	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-20.43*	
		For >100, Deduct	*-32.39*	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	228.45	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*291.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.92*	
		For >25 To 50, Deduct	*-11.22*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-32.78*	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	233.31	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*300.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.75*	
		For >25 To 50, Deduct	*-11.41*	
		For >50 To 100, Deduct	*-21.16*	
		For >100, Deduct	*-33.51*	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	235.08	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*303.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*210.88*	
		For >25 To 50, Deduct	*-11.48*	
		For >50 To 100, Deduct	*-21.31*	
		For >100, Deduct	*-33.78*	
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	239.40	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*306.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*212.98*	
		For >25 To 50, Deduct	*-11.74*	
		For >50 To 100, Deduct	*-21.72*	
		For >100, Deduct	*-34.36*	
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	255.44	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*333.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.22*	
		For >25 To 50, Deduct	*-12.38*	
		For >50 To 100, Deduct	*-23.13*	
		For >100, Deduct	*-36.77*	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	271.82	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*357.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.78*	
		For >25 To 50, Deduct	*-13.13*	
		For >50 To 100, Deduct	*-24.59*	
		For >100, Deduct	*-39.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	282.19	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.23*	
		For >25 To 50, Deduct	*-13.55*	
		For >50 To 100, Deduct	*-25.50*	
		For >100, Deduct	*-40.72*	
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.93	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*411.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*286.12*	
		For >25 To 50, Deduct	*-14.37*	
		For >50 To 100, Deduct	*-27.31*	
		For >100, Deduct	*-43.83*	
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	258.24	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-12.32*	
		For >50 To 100, Deduct	*-23.31*	
		For >100, Deduct	*-37.32*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	258.24	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-12.32*	
		For >50 To 100, Deduct	*-23.31*	
		For >100, Deduct	*-37.32*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	261.42	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*348.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.48*	
		For >25 To 50, Deduct	*-12.53*	
		For >50 To 100, Deduct	*-23.62*	
		For >100, Deduct	*-37.73*	
		For 9' Door Height, Add	*42.43*	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	267.24	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*358.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.47*	
		For >25 To 50, Deduct	*-12.77*	
		For >50 To 100, Deduct	*-24.13*	
		For >100, Deduct	*-38.60*	
		For 9' Door Height, Add	*43.66*	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	269.35	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.00*	
		For >25 To 50, Deduct	*-12.85*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-38.92*	
		For 9' Door Height, Add	*44.10*	
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.02	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*365.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.08*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.52*	
		For >25 To 50, Deduct	*-13.13*	
		For >50 To 100, Deduct	*-24.75*	
		For >100, Deduct	*-39.56*	
		For 9' Door Height, Add	*44.54*	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	293.18	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*398.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.51*	
		For >25 To 50, Deduct	*-13.89*	
		For >50 To 100, Deduct	*-26.43*	
		For >100, Deduct	*-42.43*	
		For 9' Door Height, Add	*48.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	312.25	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*427.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*133.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*185.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*297.30*	
		For >25 To 50, Deduct	*-14.75*	
		For >50 To 100, Deduct	*-28.13*	
		For >100, Deduct	*-45.23*	
		For 9' Door Height, Add	*52.03*	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.63	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*448.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.16*	
		For >25 To 50, Deduct	*-15.24*	
		For >50 To 100, Deduct	*-29.21*	
		For >100, Deduct	*-47.08*	
		For 9' Door Height, Add	*54.63*	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	349.43	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.92*	
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-50.80*	
		For 9' Door Height, Add	*59.84*	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	195.03	28.38
		For Stave Lumber Core (SLC), Add	*103.70*	
		For Structural Composite Lumber Core (SCLC), Add	*62.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
		For >25 To 50, Deduct	*-9.79*	
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-27.84*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	195.03	28.38
		For Stave Lumber Core (SLC), Add	*103.70*	
		For Structural Composite Lumber Core (SCLC), Add	*62.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
		For >25 To 50, Deduct	*-9.79*	
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-27.84*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	205.63	29.67
		For Stave Lumber Core (SLC), Add	*109.71*	
		For Structural Composite Lumber Core (SCLC), Add	*65.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*78.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.54*	
		For >25 To 50, Deduct	*-10.30*	
		For >50 To 100, Deduct	*-18.73*	
		For >100, Deduct	*-29.36*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	213.62	29.67
		For Stave Lumber Core (SLC), Add	*115.70*	
		For Structural Composite Lumber Core (SCLC), Add	*69.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*115.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.12*	
		For >25 To 50, Deduct	*-10.62*	
		For >50 To 100, Deduct	*-19.43*	
		For >100, Deduct	*-30.56*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	215.10	29.67
		For Stave Lumber Core (SLC), Add	*116.81*	
		For Structural Composite Lumber Core (SCLC), Add	*70.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.90*	
		For >25 To 50, Deduct	*-10.68*	
		For >50 To 100, Deduct	*-19.56*	
		For >100, Deduct	*-30.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	219.18	30.96
		For Stave Lumber Core (SLC), Add	*117.95*	
		For Structural Composite Lumber Core (SCLC), Add	*70.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*117.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*188.71*	
		For >25 To 50, Deduct	*-10.93*	
		For >50 To 100, Deduct	*-19.95*	
		For >100, Deduct	*-31.33*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	236.52	30.96
		For Stave Lumber Core (SLC), Add	*130.95*	
		For Structural Composite Lumber Core (SCLC), Add	*78.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.52*	
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-21.47*	
		For >100, Deduct	*-33.93*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	270.75	32.25
		For Stave Lumber Core (SLC), Add	*154.69*	
		For Structural Composite Lumber Core (SCLC), Add	*92.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*247.50*	
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-24.50*	
		For >100, Deduct	*-39.00*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.07	32.25
		For Stave Lumber Core (SLC), Add	*162.43*	
		For Structural Composite Lumber Core (SCLC), Add	*97.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*259.88*	
		For >25 To 50, Deduct	*-13.50*	
		For >50 To 100, Deduct	*-25.40*	
		For >100, Deduct	*-40.55*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.68	32.25
		For Stave Lumber Core (SLC), Add	*177.89*	
		For Structural Composite Lumber Core (SCLC), Add	*106.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >25 To 50, Deduct	*-14.32*	
		For >50 To 100, Deduct	*-27.20*	
		For >100, Deduct	*-43.64*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	203.08	28.38
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-29.04*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	203.08	28.38
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-29.04*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	214.15	29.67
		For Stave Lumber Core (SLC), Add	*116.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.76*	
		For >25 To 50, Deduct	*-10.64*	
		For >50 To 100, Deduct	*-19.48*	
		For >100, Deduct	*-30.64*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	222.60	29.67
		For Stave Lumber Core (SLC), Add	*122.44*	
		For Structural Composite Lumber Core (SCLC), Add	*73.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*195.90*	
		For >25 To 50, Deduct	*-10.98*	
		For >50 To 100, Deduct	*-20.22*	
		For >100, Deduct	*-31.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	224.17	29.67
		For Stave Lumber Core (SLC), Add	*123.62*	
		For Structural Composite Lumber Core (SCLC), Add	*74.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.78*	
		For >25 To 50, Deduct	*-11.04*	
		For >50 To 100, Deduct	*-20.36*	
		For >100, Deduct	*-32.14*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	228.34	30.96
		For Stave Lumber Core (SLC), Add	*124.82*	
		For Structural Composite Lumber Core (SCLC), Add	*74.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.70*	
		For >25 To 50, Deduct	*-11.30*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-32.70*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	246.67	30.96
		For Stave Lumber Core (SLC), Add	*138.56*	
		For Structural Composite Lumber Core (SCLC), Add	*83.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.70*	
		For >25 To 50, Deduct	*-12.03*	
		For >50 To 100, Deduct	*-22.36*	
		For >100, Deduct	*-35.45*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.75	32.25
		For Stave Lumber Core (SLC), Add	*163.69*	
		For Structural Composite Lumber Core (SCLC), Add	*98.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.90*	
		For >25 To 50, Deduct	*-13.57*	
		For >50 To 100, Deduct	*-25.55*	
		For >100, Deduct	*-40.80*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	293.67	32.25
		For Stave Lumber Core (SLC), Add	*171.88*	
		For Structural Composite Lumber Core (SCLC), Add	*103.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*123.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*171.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.00*	
		For >25 To 50, Deduct	*-14.00*	
		For >50 To 100, Deduct	*-26.50*	
		For >100, Deduct	*-42.44*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	315.49	32.25
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.19*	
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-28.41*	
		For >100, Deduct	*-45.71*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	231.61	28.38
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-11.25*	
		For >50 To 100, Deduct	*-20.98*	
		For >100, Deduct	*-33.32*	
		For 9' Door Height, Add	*36.72*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	231.61	28.38
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-11.25*	
		For >50 To 100, Deduct	*-20.98*	
		For >100, Deduct	*-33.32*	
		For 9' Door Height, Add	*36.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	244.33	29.67
		For Stave Lumber Core (SLC), Add	*138.74*	
		For Structural Composite Lumber Core (SCLC), Add	*83.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.98*	
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-22.12*	
		For >100, Deduct	*-35.17*	
		For 9' Door Height, Add	*38.85*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	254.45	29.67
		For Stave Lumber Core (SLC), Add	*146.33*	
		For Structural Composite Lumber Core (SCLC), Add	*87.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*234.12*	
		For >25 To 50, Deduct	*-12.26*	
		For >50 To 100, Deduct	*-23.01*	
		For >100, Deduct	*-36.68*	
		For 9' Door Height, Add	*40.97*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.32	29.67
		For Stave Lumber Core (SLC), Add	*147.73*	
		For Structural Composite Lumber Core (SCLC), Add	*88.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.36*	
		For >25 To 50, Deduct	*-12.33*	
		For >50 To 100, Deduct	*-23.17*	
		For >100, Deduct	*-36.96*	
		For 9' Door Height, Add	*41.36*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	260.80	30.96
		For Stave Lumber Core (SLC), Add	*149.16*	
		For Structural Composite Lumber Core (SCLC), Add	*89.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.66*	
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-23.59*	
		For >100, Deduct	*-37.57*	
		For 9' Door Height, Add	*41.76*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.70	30.96
		For Stave Lumber Core (SLC), Add	*165.59*	
		For Structural Composite Lumber Core (SCLC), Add	*99.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*165.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*264.94*	
		For >25 To 50, Deduct	*-13.48*	
		For >50 To 100, Deduct	*-25.51*	
		For >100, Deduct	*-40.86*	
		For 9' Door Height, Add	*46.36*	
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	325.30	32.25
		For Stave Lumber Core (SLC), Add	*195.60*	
		For Structural Composite Lumber Core (SCLC), Add	*117.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.96*	
		For >25 To 50, Deduct	*-15.27*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-47.18*	
		For 9' Door Height, Add	*54.77*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	338.36	32.25
		For Stave Lumber Core (SLC), Add	*205.40*	
		For Structural Composite Lumber Core (SCLC), Add	*123.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*147.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.63*	
		For >25 To 50, Deduct	*-15.79*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-49.14*	
		For 9' Door Height, Add	*57.51*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	364.43	32.25
		For Stave Lumber Core (SLC), Add	*224.95*	
		For Structural Composite Lumber Core (SCLC), Add	*134.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*224.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*359.92*	
		For >25 To 50, Deduct	*-16.83*	
		For >50 To 100, Deduct	*-32.69*	
		For >100, Deduct	*-53.05*	
		For 9' Door Height, Add	*62.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0627		Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*		
08 14 16 00-0628	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	78.30	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	
08 14 16 00-0629	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	117.45	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	
08 14 16 00-0630		Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*		
08 14 16 00-0631	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,286.86	22.71
08 14 16 00-0632	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,286.86	70.85
08 14 16 00-0633	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,286.86	22.71
08 14 23		**Clad Wood Doors** *(08 14)*		
08 14 23 13		**Metal-Faced Wood Doors** *(08 14 23)*		
		See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001		24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*		
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	524.38	63.47
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	557.02	69.67
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	594.68	76.89
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	623.00	79.47
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	662.14	87.46
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	725.56	90.30
08 14 23 16		**Plastic-Laminate-Faced Wood Doors** *(08 14 23)*		
08 14 23 16-0001		1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)* Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	246.67	28.38
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-22.29*	
		For >100, Deduct	*-35.58*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	246.67	28.38
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-11.85*	
		For >50 To 100, Deduct	*-22.29*	
		For >100, Deduct	*-35.58*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	259.71	29.67
		For Structural Composite Lumber Core (SCLC), Add	*90.16*	
		For 5 Ply Construction, Add	*7.01*	
		For >25 To 50, Deduct	*-12.47*	
		For >50 To 100, Deduct	*-23.47*	
		For >100, Deduct	*-37.47*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	270.15	29.67
		For Structural Composite Lumber Core (SCLC), Add	*94.86*	
		For 5 Ply Construction, Add	*7.38*	
		For >25 To 50, Deduct	*-12.88*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-39.04*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	275.43	29.67
		For Structural Composite Lumber Core (SCLC), Add	*97.24*	
		For 5 Ply Construction, Add	*7.56*	
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-24.84*	
		For >100, Deduct	*-39.83*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	283.24	30.96
		For Structural Composite Lumber Core (SCLC), Add	*99.59*	
		For 5 Ply Construction, Add	*7.75*	
		For >25 To 50, Deduct	*-13.50*	
		For >50 To 100, Deduct	*-25.56*	
		For >100, Deduct	*-40.94*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	307.57	30.96
		For Structural Composite Lumber Core (SCLC), Add	*110.54*	
		For 5 Ply Construction, Add	*8.60*	
		For >25 To 50, Deduct	*-14.47*	
		For >50 To 100, Deduct	*-27.69*	
		For >100, Deduct	*-44.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	325.87	32.25
		For Structural Composite Lumber Core (SCLC), Add	*117.62*	
		For 5 Ply Construction, Add	*9.15*	
		For >25 To 50, Deduct	*-15.29*	
		For >50 To 100, Deduct	*-29.32*	
		For >100, Deduct	*-47.27*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	257.73	28.38
		For Structural Composite Lumber Core (SCLC), Add	*90.44*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-23.26*	
		For >100, Deduct	*-37.24*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	257.72	28.38
		For Structural Composite Lumber Core (SCLC), Add	*90.43*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-23.26*	
		For >100, Deduct	*-37.24*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	271.37	29.67
		For Structural Composite Lumber Core (SCLC), Add	*95.41*	
		For 5 Ply Construction, Add	*7.42*	
		For >25 To 50, Deduct	*-12.93*	
		For >50 To 100, Deduct	*-24.49*	
		For >100, Deduct	*-39.22*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	282.42	29.67
		For Structural Composite Lumber Core (SCLC), Add	*100.38*	
		For 5 Ply Construction, Add	*7.81*	
		For >25 To 50, Deduct	*-13.37*	
		For >50 To 100, Deduct	*-25.45*	
		For >100, Deduct	*-40.88*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	287.99	29.67
		For Structural Composite Lumber Core (SCLC), Add	*102.89*	
		For 5 Ply Construction, Add	*8.00*	
		For >25 To 50, Deduct	*-13.60*	
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-41.71*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	296.12	30.96
		For Structural Composite Lumber Core (SCLC), Add	*105.39*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-14.01*	
		For >50 To 100, Deduct	*-26.68*	
		For >100, Deduct	*-42.87*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.87	30.96
		For Structural Composite Lumber Core (SCLC), Add	*116.98*	
		For 5 Ply Construction, Add	*9.10*	
		For >25 To 50, Deduct	*-15.04*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-46.73*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	341.08	32.25
		For Structural Composite Lumber Core (SCLC), Add	*124.46*	
		For 5 Ply Construction, Add	*9.68*	
		For >25 To 50, Deduct	*-15.90*	
		For >50 To 100, Deduct	*-30.65*	
		For >100, Deduct	*-49.55*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	296.91	28.38
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-26.69*	
		For >100, Deduct	*-43.12*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	296.91	28.38
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-26.69*	
		For >100, Deduct	*-43.12*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	312.72	29.67
		For Structural Composite Lumber Core (SCLC), Add	*114.02*	
		For 5 Ply Construction, Add	*8.87*	
		For >25 To 50, Deduct	*-14.59*	
		For >50 To 100, Deduct	*-28.10*	
		For >100, Deduct	*-45.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	325.93	29.67
		For Structural Composite Lumber Core (SCLC), Add	*119.96*	
		For 5 Ply Construction, Add	*9.33*	
		For >25 To 50, Deduct	*-15.11*	
		For >50 To 100, Deduct	*-29.26*	
		For >100, Deduct	*-47.41*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	332.58	29.67
		For Structural Composite Lumber Core (SCLC), Add	*122.95*	
		For 5 Ply Construction, Add	*9.56*	
		For >25 To 50, Deduct	*-15.38*	
		For >50 To 100, Deduct	*-29.84*	
		For >100, Deduct	*-48.40*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	341.79	30.96
		For Structural Composite Lumber Core (SCLC), Add	*125.94*	
		For 5 Ply Construction, Add	*9.80*	
		For >25 To 50, Deduct	*-15.84*	
		For >50 To 100, Deduct	*-30.68*	
		For >100, Deduct	*-49.72*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	372.55	30.96
		For Structural Composite Lumber Core (SCLC), Add	*139.78*	
		For 5 Ply Construction, Add	*10.87*	
		For >25 To 50, Deduct	*-17.07*	
		For >50 To 100, Deduct	*-33.37*	
		For >100, Deduct	*-54.33*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	395.01	32.25
		For Structural Composite Lumber Core (SCLC), Add	*148.73*	
		For 5 Ply Construction, Add	*11.57*	
		For >25 To 50, Deduct	*-18.06*	
		For >50 To 100, Deduct	*-35.37*	
		For >100, Deduct	*-57.64*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	380.32	28.38
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.67*	
		For Structural Composite Lumber Core (SCLC), Add	*145.60*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.27*	
		For >25 To 50, Deduct	*-17.20*	
		For >50 To 100, Deduct	*-33.99*	
		For >100, Deduct	*-55.63*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	380.30	28.38
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.66*	
		For Structural Composite Lumber Core (SCLC), Add	*145.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.25*	
		For >25 To 50, Deduct	*-17.20*	
		For >50 To 100, Deduct	*-33.99*	
		For >100, Deduct	*-55.63*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	393.01	29.67
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-57.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	393.01	29.67
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-35.13*	
		For >100, Deduct	*-57.47*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	413.05	29.67
		For 5 Ply Construction, Add	*12.38*	
		For Stave Lumber Core (SLC), Add	*265.28*	
		For Structural Composite Lumber Core (SCLC), Add	*159.17*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*610.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*424.44*	
		For >25 To 50, Deduct	*-18.60*	
		For >50 To 100, Deduct	*-36.88*	
		For >100, Deduct	*-60.47*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	435.66	30.96
		For 5 Ply Construction, Add	*13.08*	
		For Stave Lumber Core (SLC), Add	*280.31*	
		For Structural Composite Lumber Core (SCLC), Add	*168.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*644.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*201.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*448.49*	
		For >25 To 50, Deduct	*-19.59*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-63.80*	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	456.14	30.96
		For 5 Ply Construction, Add	*13.80*	
		For Stave Lumber Core (SLC), Add	*295.67*	
		For Structural Composite Lumber Core (SCLC), Add	*177.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.06*	
		For >25 To 50, Deduct	*-20.41*	
		For >50 To 100, Deduct	*-40.69*	
		For >100, Deduct	*-66.87*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	468.95	32.25
		For 5 Ply Construction, Add	*14.16*	
		For Stave Lumber Core (SLC), Add	*303.34*	
		For Structural Composite Lumber Core (SCLC), Add	*182.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*697.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*218.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*303.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*485.34*	
		For >25 To 50, Deduct	*-21.02*	
		For >50 To 100, Deduct	*-41.84*	
		For >100, Deduct	*-68.73*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	489.16	32.25
		For 5 Ply Construction, Add	*14.86*	
		For Stave Lumber Core (SLC), Add	*318.50*	
		For Structural Composite Lumber Core (SCLC), Add	*191.10*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*732.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*509.59*	
		For >25 To 50, Deduct	*-21.82*	
		For >50 To 100, Deduct	*-43.61*	
		For >100, Deduct	*-71.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	534.78	34.83
		For 5 Ply Construction, Add	*16.28*	
		For Stave Lumber Core (SLC), Add	*348.83*	
		For Structural Composite Lumber Core (SCLC), Add	*209.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*802.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*251.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*348.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*558.13*	
		For >25 To 50, Deduct	*-23.83*	
		For >50 To 100, Deduct	*-47.66*	
		For >100, Deduct	*-78.48*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	399.15	28.38
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.79*	
		For Structural Composite Lumber Core (SCLC), Add	*154.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.87*	
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-35.64*	
		For >100, Deduct	*-58.45*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	399.13	28.38
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.78*	
		For Structural Composite Lumber Core (SCLC), Add	*154.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.84*	
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-35.63*	
		For >100, Deduct	*-58.45*	
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	412.44	29.67
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-18.57*	
		For >50 To 100, Deduct	*-36.83*	
		For >100, Deduct	*-60.38*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	412.44	29.67
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-18.57*	
		For >50 To 100, Deduct	*-36.83*	
		For >100, Deduct	*-60.38*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	433.64	29.67
		For 5 Ply Construction, Add	*13.10*	
		For Stave Lumber Core (SLC), Add	*280.72*	
		For Structural Composite Lumber Core (SCLC), Add	*168.43*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*645.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.15*	
		For >25 To 50, Deduct	*-19.42*	
		For >50 To 100, Deduct	*-38.69*	
		For >100, Deduct	*-63.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	457.42	30.96
		For 5 Ply Construction, Add	*13.84*	
		For Stave Lumber Core (SLC), Add	*296.63*	
		For Structural Composite Lumber Core (SCLC), Add	*177.98*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*682.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*474.60*	
		For >25 To 50, Deduct	*-20.46*	
		For >50 To 100, Deduct	*-40.80*	
		For >100, Deduct	*-67.07*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	479.07	30.96
		For 5 Ply Construction, Add	*14.60*	
		For Stave Lumber Core (SLC), Add	*312.86*	
		For Structural Composite Lumber Core (SCLC), Add	*187.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*719.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*500.58*	
		For >25 To 50, Deduct	*-21.33*	
		For >50 To 100, Deduct	*-42.69*	
		For >100, Deduct	*-70.31*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	492.48	32.25
		For 5 Ply Construction, Add	*14.98*	
		For Stave Lumber Core (SLC), Add	*320.99*	
		For Structural Composite Lumber Core (SCLC), Add	*192.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*738.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*513.58*	
		For >25 To 50, Deduct	*-21.96*	
		For >50 To 100, Deduct	*-43.90*	
		For >100, Deduct	*-72.26*	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	513.88	32.25
		For 5 Ply Construction, Add	*15.73*	
		For Stave Lumber Core (SLC), Add	*337.04*	
		For Structural Composite Lumber Core (SCLC), Add	*202.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*775.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*337.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*539.26*	
		For >25 To 50, Deduct	*-22.81*	
		For >50 To 100, Deduct	*-45.77*	
		For >100, Deduct	*-75.47*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	561.85	34.83
		For 5 Ply Construction, Add	*17.23*	
		For Stave Lumber Core (SLC), Add	*369.14*	
		For Structural Composite Lumber Core (SCLC), Add	*221.48*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*849.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*265.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*369.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*590.62*	
		For >25 To 50, Deduct	*-24.91*	
		For >50 To 100, Deduct	*-50.03*	
		For >100, Deduct	*-82.54*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	465.92	28.38
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.87*	
		For Structural Composite Lumber Core (SCLC), Add	*184.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.99*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-41.48*	
		For >100, Deduct	*-68.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	465.90	28.38
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.86*	
		For Structural Composite Lumber Core (SCLC), Add	*184.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.97*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-41.48*	
		For >100, Deduct	*-68.47*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.29	29.67
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-21.33*	
		For >50 To 100, Deduct	*-42.85*	
		For >100, Deduct	*-70.71*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.29	29.67
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-21.33*	
		For >50 To 100, Deduct	*-42.85*	
		For >100, Deduct	*-70.71*	
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	506.62	29.67
		For 5 Ply Construction, Add	*15.65*	
		For Stave Lumber Core (SLC), Add	*335.45*	
		For Structural Composite Lumber Core (SCLC), Add	*201.27*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*771.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.72*	
		For >25 To 50, Deduct	*-22.34*	
		For >50 To 100, Deduct	*-45.07*	
		For >100, Deduct	*-74.51*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	534.54	30.96
		For 5 Ply Construction, Add	*16.54*	
		For Stave Lumber Core (SLC), Add	*354.47*	
		For Structural Composite Lumber Core (SCLC), Add	*212.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*815.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.14*	
		For >25 To 50, Deduct	*-23.55*	
		For >50 To 100, Deduct	*-47.55*	
		For >100, Deduct	*-78.63*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	560.42	30.96
		For 5 Ply Construction, Add	*17.45*	
		For Stave Lumber Core (SLC), Add	*373.88*	
		For Structural Composite Lumber Core (SCLC), Add	*224.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*859.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*373.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.20*	
		For >25 To 50, Deduct	*-24.58*	
		For >50 To 100, Deduct	*-49.81*	
		For >100, Deduct	*-82.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	575.94	32.25
		For 5 Ply Construction, Add	*17.90*	
		For Stave Lumber Core (SLC), Add	*383.58*	
		For Structural Composite Lumber Core (SCLC), Add	*230.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*882.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*276.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*383.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*613.73*	
		For >25 To 50, Deduct	*-25.30*	
		For >50 To 100, Deduct	*-51.20*	
		For >100, Deduct	*-84.78*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	601.50	32.25
		For 5 Ply Construction, Add	*18.80*	
		For Stave Lumber Core (SLC), Add	*402.75*	
		For Structural Composite Lumber Core (SCLC), Add	*241.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*926.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*402.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*644.40*	
		For >25 To 50, Deduct	*-26.32*	
		For >50 To 100, Deduct	*-53.44*	
		For >100, Deduct	*-88.61*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	657.82	34.83
		For 5 Ply Construction, Add	*20.59*	
		For Stave Lumber Core (SLC), Add	*441.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,014.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*317.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*705.78*	
		For >25 To 50, Deduct	*-28.75*	
		For >50 To 100, Deduct	*-58.43*	
		For >100, Deduct	*-96.93*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	156.79	28.38
		For >25 To 50, Deduct	*-8.26*	
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-22.10*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	156.79	28.38
		For >25 To 50, Deduct	*-8.26*	
		For >50 To 100, Deduct	*-14.43*	
		For >100, Deduct	*-22.10*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	166.67	29.67
		For >25 To 50, Deduct	*-8.74*	
		For >50 To 100, Deduct	*-15.33*	
		For >100, Deduct	*-23.52*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	170.15	29.67
		For >25 To 50, Deduct	*-8.88*	
		For >50 To 100, Deduct	*-15.63*	
		For >100, Deduct	*-24.04*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	173.59	29.67
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-15.93*	
		For >100, Deduct	*-24.55*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	179.64	30.96
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-16.49*	
		For >100, Deduct	*-25.40*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	192.56	30.96
		For >25 To 50, Deduct	*-9.87*	
		For >50 To 100, Deduct	*-17.62*	
		For >100, Deduct	*-27.34*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	203.51	32.25
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-18.61*	
		For >100, Deduct	*-28.91*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	162.60	28.38
		For >25 To 50, Deduct	*-8.49*	
		For >50 To 100, Deduct	*-14.94*	
		For >100, Deduct	*-22.97*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	162.60	28.38
		For >25 To 50, Deduct	*-8.49*	
		For >50 To 100, Deduct	*-14.94*	
		For >100, Deduct	*-22.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	172.92	29.67
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-15.87*	
		For >100, Deduct	*-24.45*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	176.58	29.67
		For >25 To 50, Deduct	*-9.14*	
		For >50 To 100, Deduct	*-16.19*	
		For >100, Deduct	*-25.00*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	180.24	29.67
		For >25 To 50, Deduct	*-9.29*	
		For >50 To 100, Deduct	*-16.51*	
		For >100, Deduct	*-25.55*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	186.48	30.96
		For >25 To 50, Deduct	*-9.63*	
		For >50 To 100, Deduct	*-17.09*	
		For >100, Deduct	*-26.42*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	200.15	30.96
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-18.29*	
		For >100, Deduct	*-28.47*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	211.59	32.25
		For >25 To 50, Deduct	*-10.72*	
		For >50 To 100, Deduct	*-19.32*	
		For >100, Deduct	*-30.13*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	183.25	28.38
		For >25 To 50, Deduct	*-9.32*	
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-26.07*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	183.25	28.38
		For >25 To 50, Deduct	*-9.32*	
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-26.07*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	195.08	29.67
		For >25 To 50, Deduct	*-9.88*	
		For >50 To 100, Deduct	*-17.81*	
		For >100, Deduct	*-27.78*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	199.44	29.67
		For >25 To 50, Deduct	*-10.05*	
		For >50 To 100, Deduct	*-18.19*	
		For >100, Deduct	*-28.43*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	203.83	29.67
		For >25 To 50, Deduct	*-10.23*	
		For >50 To 100, Deduct	*-18.58*	
		For >100, Deduct	*-29.09*	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	210.76	30.96
		For >25 To 50, Deduct	*-10.60*	
		For >50 To 100, Deduct	*-19.22*	
		For >100, Deduct	*-30.07*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	227.10	30.96
		For >25 To 50, Deduct	*-11.25*	
		For >50 To 100, Deduct	*-20.65*	
		For >100, Deduct	*-32.52*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	240.27	32.25
		For >25 To 50, Deduct	*-11.87*	
		For >50 To 100, Deduct	*-21.83*	
		For >100, Deduct	*-34.43*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	181.40	28.38
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-16.58*	
		For >100, Deduct	*-25.79*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	181.40	28.38
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-16.58*	
		For >100, Deduct	*-25.79*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	187.43	29.67
		For >25 To 50, Deduct	*-9.57*	
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-26.63*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	194.38	29.67
		For >25 To 50, Deduct	*-9.85*	
		For >50 To 100, Deduct	*-17.75*	
		For >100, Deduct	*-27.67*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	197.85	29.67
		For >25 To 50, Deduct	*-9.99*	
		For >50 To 100, Deduct	*-18.05*	
		For >100, Deduct	*-28.19*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	203.84	30.96
		For >25 To 50, Deduct	*-10.32*	
		For >50 To 100, Deduct	*-18.61*	
		For >100, Deduct	*-29.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	211.76	30.96
		For >25 To 50, Deduct	*-10.64*	
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-30.22*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	240.08	32.25
		For >25 To 50, Deduct	*-11.86*	
		For >50 To 100, Deduct	*-21.81*	
		For >100, Deduct	*-34.40*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	248.86	32.25
		For >25 To 50, Deduct	*-12.21*	
		For >50 To 100, Deduct	*-22.58*	
		For >100, Deduct	*-35.72*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	266.44	32.25
		For >25 To 50, Deduct	*-12.92*	
		For >50 To 100, Deduct	*-24.12*	
		For >100, Deduct	*-38.35*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	188.64	28.38
		For >25 To 50, Deduct	*-9.53*	
		For >50 To 100, Deduct	*-17.22*	
		For >100, Deduct	*-26.88*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	188.64	28.38
		For >25 To 50, Deduct	*-9.53*	
		For >50 To 100, Deduct	*-17.22*	
		For >100, Deduct	*-26.88*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	194.89	29.67
		For >25 To 50, Deduct	*-9.87*	
		For >50 To 100, Deduct	*-17.79*	
		For >100, Deduct	*-27.75*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	202.24	29.67
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-18.44*	
		For >100, Deduct	*-28.85*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	205.90	29.67
		For >25 To 50, Deduct	*-10.31*	
		For >50 To 100, Deduct	*-18.76*	
		For >100, Deduct	*-29.40*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	212.11	30.96
		For >25 To 50, Deduct	*-10.65*	
		For >50 To 100, Deduct	*-19.33*	
		For >100, Deduct	*-30.27*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	220.48	30.96
		For >25 To 50, Deduct	*-10.99*	
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-31.52*	
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.31	32.25
		For >25 To 50, Deduct	*-12.27*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-35.93*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	259.60	32.25
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-23.52*	
		For >100, Deduct	*-37.33*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.18	32.25
		For >25 To 50, Deduct	*-13.38*	
		For >50 To 100, Deduct	*-25.15*	
		For >100, Deduct	*-40.11*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	214.35	28.38
		For >25 To 50, Deduct	*-10.56*	
		For >50 To 100, Deduct	*-19.47*	
		For >100, Deduct	*-30.73*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	214.35	28.38
		For >25 To 50, Deduct	*-10.56*	
		For >50 To 100, Deduct	*-19.47*	
		For >100, Deduct	*-30.73*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	221.33	29.67
		For >25 To 50, Deduct	*-10.93*	
		For >50 To 100, Deduct	*-20.11*	
		For >100, Deduct	*-31.72*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	230.11	29.67
		For >25 To 50, Deduct	*-11.28*	
		For >50 To 100, Deduct	*-20.88*	
		For >100, Deduct	*-33.03*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.47	29.67
		For >25 To 50, Deduct	*-11.46*	
		For >50 To 100, Deduct	*-21.26*	
		For >100, Deduct	*-33.69*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	241.40	30.96
		For >25 To 50, Deduct	*-11.82*	
		For >50 To 100, Deduct	*-21.90*	
		For >100, Deduct	*-34.66*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	251.39	30.96
		For >25 To 50, Deduct	*-12.22*	
		For >50 To 100, Deduct	*-22.77*	
		For >100, Deduct	*-36.16*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.55	32.25
		For >25 To 50, Deduct	*-13.72*	
		For >50 To 100, Deduct	*-25.88*	
		For >100, Deduct	*-41.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	297.64	32.25
		For >25 To 50, Deduct	*-14.16*	
		For >50 To 100, Deduct	*-26.85*	
		For >100, Deduct	*-43.03*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	319.86	32.25
		For >25 To 50, Deduct	*-15.05*	
		For >50 To 100, Deduct	*-28.79*	
		For >100, Deduct	*-46.37*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	201.52	28.38
		For >25 To 50, Deduct	*-10.05*	
		For >50 To 100, Deduct	*-18.34*	
		For >100, Deduct	*-28.81*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	201.52	28.38
		For >25 To 50, Deduct	*-10.05*	
		For >50 To 100, Deduct	*-18.34*	
		For >100, Deduct	*-28.81*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	212.52	29.67
		For >25 To 50, Deduct	*-10.58*	
		For >50 To 100, Deduct	*-19.34*	
		For >100, Deduct	*-30.39*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	220.91	29.67
		For >25 To 50, Deduct	*-10.91*	
		For >50 To 100, Deduct	*-20.07*	
		For >100, Deduct	*-31.65*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	222.44	29.67
		For >25 To 50, Deduct	*-10.97*	
		For >50 To 100, Deduct	*-20.21*	
		For >100, Deduct	*-31.88*	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	226.58	30.96
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-20.60*	
		For >100, Deduct	*-32.44*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	244.74	30.96
		For >25 To 50, Deduct	*-11.96*	
		For >50 To 100, Deduct	*-22.19*	
		For >100, Deduct	*-35.16*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.44	32.25
		For >25 To 50, Deduct	*-13.48*	
		For >50 To 100, Deduct	*-25.34*	
		For >100, Deduct	*-40.45*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.96	28.38
		For >25 To 50, Deduct	*-10.39*	
		For >50 To 100, Deduct	*-19.08*	
		For >100, Deduct	*-30.08*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.96	28.38
		For >25 To 50, Deduct	*-10.39*	
		For >50 To 100, Deduct	*-19.08*	
		For >100, Deduct	*-30.08*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	221.44	29.67
		For >25 To 50, Deduct	*-10.93*	
		For >50 To 100, Deduct	*-20.12*	
		For >100, Deduct	*-31.73*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	230.30	29.67
		For >25 To 50, Deduct	*-11.29*	
		For >50 To 100, Deduct	*-20.89*	
		For >100, Deduct	*-33.06*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	231.94	29.67
		For >25 To 50, Deduct	*-11.35*	
		For >50 To 100, Deduct	*-21.04*	
		For >100, Deduct	*-33.31*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	236.16	30.96
		For >25 To 50, Deduct	*-11.61*	
		For >50 To 100, Deduct	*-21.44*	
		For >100, Deduct	*-33.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	255.39	30.96
		For >25 To 50, Deduct	*-12.38*	
		For >50 To 100, Deduct	*-23.12*	
		For >100, Deduct	*-36.76*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.01	32.25
		For >25 To 50, Deduct	*-13.98*	
		For >50 To 100, Deduct	*-26.44*	
		For >100, Deduct	*-42.34*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	239.83	28.38
		For >25 To 50, Deduct	*-11.58*	
		For >50 To 100, Deduct	*-21.69*	
		For >100, Deduct	*-34.56*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	239.83	28.38
		For >25 To 50, Deduct	*-11.58*	
		For >50 To 100, Deduct	*-21.69*	
		For >100, Deduct	*-34.56*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	253.04	29.67
		For >25 To 50, Deduct	*-12.20*	
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-36.47*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.64	29.67
		For >25 To 50, Deduct	*-12.62*	
		For >50 To 100, Deduct	*-23.81*	
		For >100, Deduct	*-38.06*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	265.59	29.67
		For >25 To 50, Deduct	*-12.70*	
		For >50 To 100, Deduct	*-23.98*	
		For >100, Deduct	*-38.35*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.15	30.96
		For >25 To 50, Deduct	*-12.97*	
		For >50 To 100, Deduct	*-24.41*	
		For >100, Deduct	*-38.97*	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	293.12	30.96
		For >25 To 50, Deduct	*-13.89*	
		For >50 To 100, Deduct	*-26.42*	
		For >100, Deduct	*-42.42*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.59	32.25
		For >25 To 50, Deduct	*-15.76*	
		For >50 To 100, Deduct	*-30.35*	
		For >100, Deduct	*-49.03*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	238.66	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-11.53*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-34.38*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	238.66	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-11.53*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-34.38*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	251.79	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*331.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.93*	
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-22.77*	
		For >100, Deduct	*-36.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.29	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*350.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.53*	
		For >25 To 50, Deduct	*-12.57*	
		For >50 To 100, Deduct	*-23.69*	
		For >100, Deduct	*-37.86*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.25	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*353.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.88*	
		For >25 To 50, Deduct	*-12.65*	
		For >50 To 100, Deduct	*-23.86*	
		For >100, Deduct	*-38.15*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.80	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.26*	
		For >25 To 50, Deduct	*-12.92*	
		For >50 To 100, Deduct	*-24.29*	
		For >100, Deduct	*-38.77*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	291.61	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.63*	
		For >25 To 50, Deduct	*-13.83*	
		For >50 To 100, Deduct	*-26.29*	
		For >100, Deduct	*-42.19*	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.83	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*468.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*146.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*203.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*325.60*	
		For >25 To 50, Deduct	*-15.69*	
		For >50 To 100, Deduct	*-30.19*	
		For >100, Deduct	*-48.76*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.41	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.89*	
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-50.80*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	376.52	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*538.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*234.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*374.42*	
		For >25 To 50, Deduct	*-17.32*	
		For >50 To 100, Deduct	*-33.75*	
		For >100, Deduct	*-54.87*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.25	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-11.96*	
		For >50 To 100, Deduct	*-22.52*	
		For >100, Deduct	*-35.97*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.25	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-11.96*	
		For >50 To 100, Deduct	*-22.52*	
		For >100, Deduct	*-35.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.99	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*351.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*244.37*	
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-23.75*	
		For >100, Deduct	*-37.96*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	274.11	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*370.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*257.71*	
		For >25 To 50, Deduct	*-13.04*	
		For >50 To 100, Deduct	*-24.73*	
		For >100, Deduct	*-39.63*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	276.18	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*374.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*260.20*	
		For >25 To 50, Deduct	*-13.12*	
		For >50 To 100, Deduct	*-24.91*	
		For >100, Deduct	*-39.94*	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	280.85	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.72*	
		For >25 To 50, Deduct	*-13.40*	
		For >50 To 100, Deduct	*-25.35*	
		For >100, Deduct	*-40.58*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.97	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.66*	
		For >25 To 50, Deduct	*-14.37*	
		For >50 To 100, Deduct	*-27.46*	
		For >100, Deduct	*-44.20*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.62	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*495.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*155.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*215.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*344.54*	
		For >25 To 50, Deduct	*-16.32*	
		For >50 To 100, Deduct	*-31.57*	
		For >100, Deduct	*-51.13*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.98	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*520.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.78*	
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-32.83*	
		For >100, Deduct	*-53.28*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	394.68	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*569.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*396.22*	
		For >25 To 50, Deduct	*-18.04*	
		For >50 To 100, Deduct	*-35.34*	
		For >100, Deduct	*-57.59*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.78	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-13.46*	
		For >50 To 100, Deduct	*-25.80*	
		For >100, Deduct	*-41.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	286.78	28.38
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-13.46*	
		For >50 To 100, Deduct	*-25.80*	
		For >100, Deduct	*-41.60*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.70	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*292.02*	
		For >25 To 50, Deduct	*-14.19*	
		For >50 To 100, Deduct	*-27.23*	
		For >100, Deduct	*-43.92*	
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	316.01	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*442.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*192.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*307.99*	
		For >25 To 50, Deduct	*-14.72*	
		For >50 To 100, Deduct	*-28.39*	
		For >100, Deduct	*-45.92*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	318.47	29.67
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*446.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.94*	
		For >25 To 50, Deduct	*-14.82*	
		For >50 To 100, Deduct	*-28.61*	
		For >100, Deduct	*-46.29*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.55	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*451.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.96*	
		For >25 To 50, Deduct	*-15.11*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-46.98*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	352.36	30.96
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*501.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*156.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*217.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*348.53*	
		For >25 To 50, Deduct	*-16.26*	
		For >50 To 100, Deduct	*-31.61*	
		For >100, Deduct	*-51.31*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	407.59	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.71*	
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-36.47*	
		For >100, Deduct	*-59.53*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	424.78	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*621.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*270.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*432.34*	
		For >25 To 50, Deduct	*-19.25*	
		For >50 To 100, Deduct	*-37.97*	
		For >100, Deduct	*-62.10*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	459.07	32.25
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.48*	
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-40.97*	
		For >100, Deduct	*-67.25*	

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	379.32	74.31
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	390.78	82.57
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	379.32	74.31
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	390.78	82.57

08 14 73 Sliding Wood Doors *(08 14)*

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	480.38	18.06
		For Oak, Add	*122.62*	
		For Ash/Hickory, Add	*178.59*	
		For Walnut, Add	*260.34*	
		For Cherry, Add	*423.38*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	493.72	19.35
		For Oak, Add	*125.59*	
		For Ash/Hickory, Add	*182.92*	
		For Walnut, Add	*266.65*	
		For Cherry, Add	*433.64*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	509.77	20.64
		For Oak, Add	*129.31*	
		For Ash/Hickory, Add	*188.34*	
		For Walnut, Add	*274.54*	
		For Cherry, Add	*446.48*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	520.42	21.93
		For Oak, Add	*131.53*	
		For Ash/Hickory, Add	*191.58*	
		For Walnut, Add	*279.27*	
		For Cherry, Add	*454.17*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	536.48	23.22
		For Oak, Add	*135.25*	
		For Ash/Hickory, Add	*197.00*	
		For Walnut, Add	*287.16*	
		For Cherry, Add	*467.01*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	549.82	24.51
		For Oak, Add	*138.22*	
		For Ash/Hickory, Add	*201.32*	
		For Walnut, Add	*293.47*	
		For Cherry, Add	*477.26*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	953.02	32.25
		For Oak, Add	*245.23*	
		For Ash/Hickory, Add	*357.19*	
		For Walnut, Add	*520.67*	
		For Cherry, Add	*846.76*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,006.65	34.83
		For Oak, Add	*258.61*	
		For Ash/Hickory, Add	*376.67*	
		For Walnut, Add	*549.08*	
		For Cherry, Add	*892.95*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,076.44	37.42
		For Oak, Add	*276.44*	
		For Ash/Hickory, Add	*402.65*	
		For Walnut, Add	*586.94*	
		For Cherry, Add	*954.53*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	574.62	18.06
		For Oak, Add	*126.01*	
		For Ash/Hickory, Add	*126.01*	
		For Walnut, Add	*207.32*	
		For Cherry, Add	*389.34*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	601.42	19.35
		For Oak, Add	*131.68*	
		For Ash/Hickory, Add	*131.68*	
		For Walnut, Add	*216.65*	
		For Cherry, Add	*406.85*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	620.16	20.64
		For Oak, Add	*135.46*	
		For Ash/Hickory, Add	*135.46*	
		For Walnut, Add	*222.87*	
		For Cherry, Add	*418.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	636.20	21.93
		For Oak, Add	*138.61*	
		For Ash/Hickory, Add	*138.61*	
		For Walnut, Add	*228.05*	
		For Cherry, Add	*428.27*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	649.56	23.22
		For Oak, Add	*141.13*	
		For Ash/Hickory, Add	*141.13*	
		For Walnut, Add	*232.20*	
		For Cherry, Add	*436.06*	
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	668.30	24.51
		For Oak, Add	*144.91*	
		For Ash/Hickory, Add	*144.91*	
		For Walnut, Add	*238.42*	
		For Cherry, Add	*447.74*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,141.50	32.25
		For Oak, Add	*252.02*	
		For Ash/Hickory, Add	*252.02*	
		For Walnut, Add	*414.65*	
		For Cherry, Add	*778.67*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,227.44	34.83
		For Oak, Add	*270.92*	
		For Ash/Hickory, Add	*270.92*	
		For Walnut, Add	*445.75*	
		For Cherry, Add	*837.07*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,313.38	37.42
		For Oak, Add	*289.82*	
		For Ash/Hickory, Add	*289.82*	
		For Walnut, Add	*476.84*	
		For Cherry, Add	*895.47*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	736.17	18.06
		For Oak, Add	*163.81*	
		For Ash/Hickory, Add	*163.81*	
		For Walnut, Add	*269.52*	
		For Cherry, Add	*506.14*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	771.05	19.35
		For Oak, Add	*171.37*	
		For Ash/Hickory, Add	*171.37*	
		For Walnut, Add	*281.96*	
		For Cherry, Add	*529.50*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	789.79	20.64
		For Oak, Add	*175.15*	
		For Ash/Hickory, Add	*175.15*	
		For Walnut, Add	*288.18*	
		For Cherry, Add	*541.18*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	811.21	21.93
		For Oak, Add	*179.56*	
		For Ash/Hickory, Add	*179.56*	
		For Walnut, Add	*295.43*	
		For Cherry, Add	*554.80*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	829.96	23.22
		For Oak, Add	*183.34*	
		For Ash/Hickory, Add	*183.34*	
		For Walnut, Add	*301.66*	
		For Cherry, Add	*566.48*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	848.69	24.51
		For Oak, Add	*187.12*	
		For Ash/Hickory, Add	*187.12*	
		For Walnut, Add	*307.87*	
		For Cherry, Add	*578.16*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,464.60	32.25
		For Oak, Add	*327.62*	
		For Ash/Hickory, Add	*327.62*	
		For Walnut, Add	*539.04*	
		For Cherry, Add	*1,012.27*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,566.69	34.83
		For Oak, Add	*350.31*	
		For Ash/Hickory, Add	*350.31*	
		For Walnut, Add	*576.36*	
		For Cherry, Add	*1,082.35*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,674.17	37.42
		For Oak, Add	*374.25*	
		For Ash/Hickory, Add	*374.25*	
		For Walnut, Add	*615.75*	
		For Cherry, Add	*1,156.32*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	790.02	18.06
		For Oak, Add	*176.41*	
		For Ash/Hickory, Add	*176.41*	
		For Walnut, Add	*290.25*	
		For Cherry, Add	*545.07*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	830.29	19.35
		For Oak, Add	*185.23*	
		For Ash/Hickory, Add	*185.23*	
		For Walnut, Add	*304.77*	
		For Cherry, Add	*572.33*	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	851.71	20.64
		For Oak, Add	*189.64*	
		For Ash/Hickory, Add	*189.64*	
		For Walnut, Add	*312.02*	
		For Cherry, Add	*585.95*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	873.14	21.93
		For Oak, Add	*194.05*	
		For Ash/Hickory, Add	*194.05*	
		For Walnut, Add	*319.28*	
		For Cherry, Add	*599.58*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	891.88	23.22
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	913.31	24.51
		For Oak, Add	*202.24*	
		For Ash/Hickory, Add	*202.24*	
		For Walnut, Add	*332.75*	
		For Cherry, Add	*624.88*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,572.30	32.25
		For Oak, Add	*352.83*	
		For Ash/Hickory, Add	*352.83*	
		For Walnut, Add	*580.50*	
		For Cherry, Add	*1,090.14*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,690.54	34.83
		For Oak, Add	*379.29*	
		For Ash/Hickory, Add	*379.29*	
		For Walnut, Add	*624.04*	
		For Cherry, Add	*1,171.90*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,803.41	37.42
		For Oak, Add	*404.49*	
		For Ash/Hickory, Add	*404.49*	
		For Walnut, Add	*665.50*	
		For Cherry, Add	*1,249.76*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	843.87	18.06
		For Oak, Add	*189.01*	
		For Ash/Hickory, Add	*189.01*	
		For Walnut, Add	*310.98*	
		For Cherry, Add	*584.00*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	884.13	19.35
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	908.25	20.64
		For Oak, Add	*202.87*	
		For Ash/Hickory, Add	*202.87*	
		For Walnut, Add	*333.79*	
		For Cherry, Add	*626.83*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	932.37	21.93
		For Oak, Add	*207.91*	
		For Ash/Hickory, Add	*207.91*	
		For Walnut, Add	*342.08*	
		For Cherry, Add	*642.40*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	951.12	23.22
		For Oak, Add	*211.70*	
		For Ash/Hickory, Add	*211.70*	
		For Walnut, Add	*348.30*	
		For Cherry, Add	*654.08*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	975.24	24.51
		For Oak, Add	*216.74*	
		For Ash/Hickory, Add	*216.74*	
		For Walnut, Add	*356.59*	
		For Cherry, Add	*669.66*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,680.00	32.25
		For Oak, Add	*378.03*	
		For Ash/Hickory, Add	*378.03*	
		For Walnut, Add	*621.97*	
		For Cherry, Add	*1,168.01*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,803.63	34.83
		For Oak, Add	*405.75*	
		For Ash/Hickory, Add	*405.75*	
		For Walnut, Add	*667.58*	
		For Cherry, Add	*1,253.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,927.27	37.42
		For Oak, Add	*433.47*	
		For Ash/Hickory, Add	*433.47*	
		For Walnut, Add	*713.19*	
		For Cherry, Add	*1,339.31*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	116.46	
		For Oak, Add	*10.24*	
		For Ash/Hickory, Add	*16.05*	
		For Walnut, Add	*35.09*	
		For Cherry, Add	*55.57*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	119.39	
		For Oak, Add	*10.58*	
		For Ash/Hickory, Add	*16.57*	
		For Walnut, Add	*36.22*	
		For Cherry, Add	*57.37*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	138.40	
		For Oak, Add	*12.72*	
		For Ash/Hickory, Add	*19.93*	
		For Walnut, Add	*43.58*	
		For Cherry, Add	*69.02*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	246.72	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	249.32	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	254.52	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	303.93	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	306.53	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	311.73	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	329.93	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	332.53	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	337.73	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	33.74	

08 14 73 00-0071 Bi-Pass Doors *(08 14 73)*

Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	363.43	41.23
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	403.70	43.80
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	444.57	46.38
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	654.33	48.96

08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	330.88	41.23
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	352.95	43.80
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	388.71	46.38
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	589.23	48.96

08 14 73 00-0082 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	364.34	41.23
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	401.44	43.80
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	440.81	46.38
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	656.16	48.96

08 14 76 Bifolding Wood Doors *(08 14)*

08 14 76 00-0001 Bi-Fold Wood Doors *(08 14 76)*

Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.

08 14 76 00-0002 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	141.50	30.92
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	146.65	33.49
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	157.13	36.07
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	162.27	38.65
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	235.35	41.23
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	240.50	43.80
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	256.93	46.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0010		**Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	154.50	30.92
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	163.92	33.49
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	177.26	36.07
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	182.40	38.65
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	263.18	41.23
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	283.88	43.80
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	306.23	46.38
08 14 76 00-0018		**Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	146.08	30.92
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	156.57	33.49
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	173.05	36.07
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	168.65	38.65
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	227.81	41.23
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	247.92	43.80
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	285.38	46.38
08 14 76 00-0026		**Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	155.11	30.92
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	172.25	33.49
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	184.94	36.07
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	190.08	38.65
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	269.90	41.23
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	277.74	43.80
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	306.23	46.38
08 14 76 00-0034		**Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	541.49	30.92
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	624.13	33.49
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	719.36	36.07
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	724.50	38.65
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,041.74	41.23
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,201.89	43.80
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,387.18	46.38
08 14 76 00-0042		**Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	719.52	30.92
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	781.22	33.49
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	855.50	36.07
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	860.64	38.65
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,397.81	41.23
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,516.07	43.80
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,659.46	46.38

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0004		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*		
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,578.46	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,822.57	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,192.09	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0009		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*		
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,578.46	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,920.82	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,296.48	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0013		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0015		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*		
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,352.71	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,969.90	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*		
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,672.03	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,088.62	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,352.71	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,969.90	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,672.03	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,088.62	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,352.71	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,969.90	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,266.21	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,672.03	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,088.62	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,789.29	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,789.29	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.53	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.70	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.35	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	14.33	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	18.42	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	38.89	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	42.98	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	83.92	

08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*

08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,711.77	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,746.55	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,875.55	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,711.77	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,870.38	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,875.55	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0071 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,661.06	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,879.22	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0075 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,695.73	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,985.72	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,661.06	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,879.22	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,695.73	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,985.72	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,661.06	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,879.22	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,569.31	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,695.73	32.25
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,985.72	34.83
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,083.28	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,083.28	30.96
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.20	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.27	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.82	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.72	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.15	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.91	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.38	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	39.63	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	141.17	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	54.49	

08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,340.34	30.96

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 Pre-Hung Interior Door Units *(08 17 23)*

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0003 Birch Faced *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	315.98	32.25
		For 8' Door Height, Add	*60.36*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	331.43	32.25
		For 8' Door Height, Add	*64.06*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	349.48	33.54
		For 8' Door Height, Add	*67.78*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	356.66	34.83
		For 8' Door Height, Add	*68.88*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	384.69	34.83
		For 8' Door Height, Add	*75.60*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	407.43	36.12
		For 8' Door Height, Add	*80.45*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	608.73	52.89
		For 8' Door Height, Add	*120.71*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	647.41	56.76
		For 8' Door Height, Add	*128.13*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	695.25	60.64
		For 8' Door Height, Add	*137.76*	

08 17 23 00-0013 Lauan Faced *(08 17 23 00-0002)*

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	274.66	32.25
		For 8' Door Height, Add	*50.44*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	288.92	32.25
		For 8' Door Height, Add	*53.86*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	303.51	33.54
		For 8' Door Height, Add	*56.74*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	314.59	34.83
		For 8' Door Height, Add	*58.78*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	338.01	34.83
		For 8' Door Height, Add	*64.40*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	369.17	36.12
		For 8' Door Height, Add	*71.26*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	526.12	52.89
		For 8' Door Height, Add	*100.88*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	562.30	56.76
		For 8' Door Height, Add	*107.71*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	611.17	60.64
		For 8' Door Height, Add	*117.58*	

08 17 23 00-0023 Tempered Hardboard Faced *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	235.85	32.25
		For 8' Door Height, Add	*41.12*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	248.35	32.25
		For 8' Door Height, Add	*44.12*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	256.86	33.54
		For 8' Door Height, Add	*45.55*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	271.30	34.83
		For 8' Door Height, Add	*48.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	293.46	34.83
		For 8' Door Height, Add	*53.71*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	301.20	36.12
		For 8' Door Height, Add	*54.95*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	435.28	52.89
		For 8' Door Height, Add	*79.08*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	481.20	56.76
		For 8' Door Height, Add	*88.24*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	524.53	60.64
		For 8' Door Height, Add	*96.78*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	448.84	32.25
		For 8' Door Height, Add	*92.24*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	469.06	32.25
		For 8' Door Height, Add	*97.09*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	491.80	33.54
		For 8' Door Height, Add	*101.93*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	518.99	34.83
		For 8' Door Height, Add	*107.84*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	568.33	34.83
		For 8' Door Height, Add	*119.68*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	614.50	36.12
		For 8' Door Height, Add	*130.14*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	874.46	52.89
		For 8' Door Height, Add	*184.48*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	922.63	56.76
		For 8' Door Height, Add	*194.19*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,019.93	60.64
		For 8' Door Height, Add	*215.68*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	368.37	32.25
		For 8' Door Height, Add	*72.93*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	385.08	32.25
		For 8' Door Height, Add	*76.94*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	404.34	33.54
		For 8' Door Height, Add	*80.94*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	423.78	34.83
		For 8' Door Height, Add	*84.99*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	462.73	34.83
		For 8' Door Height, Add	*94.34*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	490.46	36.12
		For 8' Door Height, Add	*100.37*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	713.50	52.89
		For 8' Door Height, Add	*145.85*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	754.69	56.76
		For 8' Door Height, Add	*153.88*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	829.51	60.64
		For 8' Door Height, Add	*169.98*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	351.31	32.25
		For 8' Door Height, Add	*68.83*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	367.92	32.25
		For 8' Door Height, Add	*72.82*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	387.16	33.54
		For 8' Door Height, Add	*76.82*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	395.90	34.83
		For 8' Door Height, Add	*78.30*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	431.87	34.83
		For 8' Door Height, Add	*86.93*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	457.65	36.12
		For 8' Door Height, Add	*92.50*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	679.39	52.89
		For 8' Door Height, Add	*137.67*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	720.34	56.76
		For 8' Door Height, Add	*145.64*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	773.73	60.64
		For 8' Door Height, Add	*156.59*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	378.81	32.25
		For 8' Door Height, Add	*75.43*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	390.67	32.25
		For 8' Door Height, Add	*78.28*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	397.64	33.54
		For 8' Door Height, Add	*79.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	419.56	34.83
		For 8' Door Height, Add	*83.98*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	470.89	34.83
		For 8' Door Height, Add	*96.30*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	533.42	36.12
		For 8' Door Height, Add	*110.68*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	734.43	52.89
		For 8' Door Height, Add	*150.87*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	765.87	56.76
		For 8' Door Height, Add	*156.56*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	821.09	60.64
		For 8' Door Height, Add	*167.96*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	331.48	32.25
		For 8' Door Height, Add	*64.08*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	349.87	32.25
		For 8' Door Height, Add	*68.49*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	367.39	33.54
		For 8' Door Height, Add	*72.07*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	375.88	34.83
		For 8' Door Height, Add	*73.49*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	409.54	34.83
		For 8' Door Height, Add	*81.57*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	433.87	36.12
		For 8' Door Height, Add	*86.79*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	639.75	52.89
		For 8' Door Height, Add	*128.15*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	684.28	56.76
		For 8' Door Height, Add	*136.98*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	733.71	60.64
		For 8' Door Height, Add	*146.99*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	277.98	32.25
		For 8' Door Height, Add	*51.24*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	283.93	32.25
		For 8' Door Height, Add	*52.66*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	298.38	33.54
		For 8' Door Height, Add	*55.51*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	312.82	34.83
		For 8' Door Height, Add	*58.36*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	326.37	34.83
		For 8' Door Height, Add	*61.61*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	334.87	36.12
		For 8' Door Height, Add	*63.03*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	516.29	52.89
		For 8' Door Height, Add	*98.52*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	552.39	56.76
		For 8' Door Height, Add	*105.33*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	607.60	60.64
		For 8' Door Height, Add	*116.72*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	507.69	32.25
		For 8' Door Height, Add	*106.37*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	526.15	32.25
		For 8' Door Height, Add	*110.80*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	534.90	33.54
		For 8' Door Height, Add	*112.28*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	555.93	34.83
		For 8' Door Height, Add	*116.70*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	609.43	34.83
		For 8' Door Height, Add	*129.54*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	666.01	36.12
		For 8' Door Height, Add	*142.51*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	992.18	52.89
		For 8' Door Height, Add	*212.74*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,036.81	56.76
		For 8' Door Height, Add	*221.59*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,093.82	60.64
		For 8' Door Height, Add	*233.41*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	478.11	32.25
		For 8' Door Height, Add	*99.27*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	479.32	32.25
		For 8' Door Height, Add	*99.56*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	493.81	33.54
		For 8' Door Height, Add	*102.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	505.02	34.83
		For 8' Door Height, Add	*104.49*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	544.37	34.83
		For 8' Door Height, Add	*113.93*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	577.32	36.12
		For 8' Door Height, Add	*121.22*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	933.03	52.89
		For 8' Door Height, Add	*198.54*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	943.15	56.76
		For 8' Door Height, Add	*199.11*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	991.99	60.64
		For 8' Door Height, Add	*208.97*	

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	415.36	32.25
		For 8' Door Height, Add	*84.21*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	421.49	32.25
		For 8' Door Height, Add	*85.68*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	430.25	33.54
		For 8' Door Height, Add	*87.16*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	445.16	34.83
		For 8' Door Height, Add	*90.12*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	472.70	34.83
		For 8' Door Height, Add	*96.73*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	501.07	36.12
		For 8' Door Height, Add	*102.92*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	807.48	52.89
		For 8' Door Height, Add	*168.41*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	827.52	56.76
		For 8' Door Height, Add	*171.36*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	872.23	60.64
		For 8' Door Height, Add	*180.23*	

08 17 23 00-0126 Oak Or Maple Faced *(08 17 23 00-0095)*

08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	856.21	32.25
		For 8' Door Height, Add	*190.01*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	861.03	32.25
		For 8' Door Height, Add	*191.17*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	904.54	33.54
		For 8' Door Height, Add	*200.99*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	917.81	34.83
		For 8' Door Height, Add	*203.55*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,009.75	34.83
		For 8' Door Height, Add	*225.62*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,121.26	36.12
		For 8' Door Height, Add	*251.77*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,689.21	52.89
		For 8' Door Height, Add	*380.03*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,706.62	56.76
		For 8' Door Height, Add	*382.34*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,817.56	60.64
		For 8' Door Height, Add	*407.11*	

08 17 23 00-0136 Walnut Faced *(08 17 23 00-0095)*

08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,103.45	32.25
		For 8' Door Height, Add	*249.35*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,146.65	32.25
		For 8' Door Height, Add	*259.72*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,163.71	33.54
		For 8' Door Height, Add	*263.19*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,209.55	34.83
		For 8' Door Height, Add	*273.57*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,334.96	34.83
		For 8' Door Height, Add	*303.67*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,464.16	36.12
		For 8' Door Height, Add	*334.06*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,183.68	52.89
		For 8' Door Height, Add	*498.70*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,277.82	56.76
		For 8' Door Height, Add	*519.43*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,401.05	60.64
		For 8' Door Height, Add	*547.15*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors *(08 18 16)*

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0001)*

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	46.76	2.32
		For Custom Quality, Add	*10.15*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*7.31*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	42.39	1.44
		For Custom Quality, Add	*9.70*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.99*	
08 18 16 00-0006		1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*		
08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	54.04	2.32
		For Custom Quality, Add	*11.97*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.62*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	49.56	1.44
		For Custom Quality, Add	*11.50*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.28*	
08 18 16 00-0009		Sliding Plastic-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0010		Sliding Vinyl-Framed Glass Doors *(08 18 16 00-0009)*		
08 18 16 00-0011		Vinyl Sliding Glass Doors (Pella Vinyl 10 Series) *(08 18 16 00-0010)*		
		Note: Includes white solid vinyl interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0012	EA	5' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,390.85	38.70
		For Insect Screen, Add	*229.85*	
		For Grilles Between The Glass, Add	*288.96*	
		For Low-E Tempered Insulated Glass, Add	*591.05*	
08 18 16 00-0013	EA	6' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,441.63	41.28
		For Insect Screen, Add	*237.84*	
		For Grilles Between The Glass, Add	*298.99*	
		For Low-E Tempered Insulated Glass, Add	*611.58*	
08 18 16 00-0014		Sliding Wood-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0015		Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0014)*		
08 18 16 00-0016	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,924.03	69.67
08 18 16 00-0017	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,348.63	85.14
08 18 16 00-0018	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,714.70	98.04
08 18 16 00-0019	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,131.69	69.67
08 18 16 00-0020	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,616.84	85.14
08 18 16 00-0021	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,046.62	98.04
08 18 16 00-0022		Wood Clad Sliding Glass Doors *(08 18 16 00-0014)*		
08 18 16 00-0023		Wood Clad Sliding Glass Doors (Andersen 200 Series Perma-Shield) *(08 18 16 00-0022)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0024	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	1,728.14	38.70
		For Insect Screen, Add	*165.07*	
		For Grilles Between The Glass, Add	*198.09*	
		For Low-E Tempered Insulated Glass, Add	*412.69*	
08 18 16 00-0025	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	1,946.07	41.28
		For Insect Screen, Add	*186.35*	
		For Grilles Between The Glass, Add	*223.62*	
		For Low-E Tempered Insulated Glass, Add	*465.88*	
08 18 16 00-0026	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,060.52	42.57
		For Insect Screen, Add	*197.54*	
		For Grilles Between The Glass, Add	*237.05*	
		For Low-E Tempered Insulated Glass, Add	*493.85*	
08 18 16 00-0027	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,527.56	47.73
		For Insect Screen, Add	*243.21*	
		For Grilles Between The Glass, Add	*291.85*	
		For Low-E Tempered Insulated Glass, Add	*608.03*	
08 18 16 00-0028	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,458.05	45.15
		For Insect Screen, Add	*236.78*	
		For Grilles Between The Glass, Add	*284.13*	
		For Low-E Tempered Insulated Glass, Add	*591.94*	
08 18 16 00-0029	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,897.14	50.31
		For Insect Screen, Add	*279.65*	
		For Grilles Between The Glass, Add	*335.58*	
		For Low-E Tempered Insulated Glass, Add	*699.13*	
08 18 16 00-0030		Wood Clad Sliding Glass Doors (Andersen 400 Series Frenchwood) *(08 18 16 00-0022)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered Low-E insulated glass. Excludes grilles and insect screens.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0031	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,319.78	38.70
		For Insect Screen, Add	*324.24*	
		For Grilles Between The Glass, Add	*389.09*	
		For Low-E Tempered Insulated Glass, Add	*810.60*	
08 18 16 00-0032	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,696.43	41.28
		For Insect Screen, Add	*361.39*	
		For Grilles Between The Glass, Add	*433.66*	
		For Low-E Tempered Insulated Glass, Add	*903.47*	
08 18 16 00-0033	EA	8' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,447.41	46.44
		For Insect Screen, Add	*435.45*	
		For Grilles Between The Glass, Add	*522.54*	
		For Low-E Tempered Insulated Glass, Add	*1,088.63*	
08 18 16 00-0034	EA	5' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,478.30	39.99
		For Insect Screen, Add	*339.83*	
		For Grilles Between The Glass, Add	*407.80*	
		For Low-E Tempered Insulated Glass, Add	*849.58*	
08 18 16 00-0035	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,809.70	42.57
		For Insect Screen, Add	*372.46*	
		For Grilles Between The Glass, Add	*446.95*	
		For Low-E Tempered Insulated Glass, Add	*931.14*	
08 18 16 00-0036	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,609.93	47.73
		For Insect Screen, Add	*451.45*	
		For Grilles Between The Glass, Add	*541.74*	
		For Low-E Tempered Insulated Glass, Add	*1,128.62*	
08 18 16 00-0037	EA	5' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,205.75	42.57
		For Insect Screen, Add	*412.06*	
		For Grilles Between The Glass, Add	*494.47*	
		For Low-E Tempered Insulated Glass, Add	*1,030.15*	
08 18 16 00-0038	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,582.39	45.15
		For Insect Screen, Add	*449.21*	
		For Grilles Between The Glass, Add	*539.05*	
		For Low-E Tempered Insulated Glass, Add	*1,123.02*	
08 18 16 00-0039	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	5,331.07	50.31
		For Insect Screen, Add	*523.05*	
		For Grilles Between The Glass, Add	*627.65*	
		For Low-E Tempered Insulated Glass, Add	*1,307.61*	

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	435.49	32.34
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	512.38	34.46
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	604.73	36.44
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	704.53	38.30
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	721.93	38.49
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	935.91	39.69

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	145.12	24.81
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	180.05	32.34
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	275.86	34.46
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	296.96	36.44
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	351.45	38.30
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	409.17	38.49

08 31 13 00-0016 Steel Access Doors *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	170.98	32.54
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	213.34	34.46
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	212.63	36.44
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	253.88	38.49
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	265.87	38.49
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	350.97	39.69
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	406.20	41.34
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	505.38	41.34
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	649.71	49.60

08 31 13 00-0027 Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	83.77	24.94
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	89.76	32.54
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	104.17	34.46
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	106.79	36.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	128.07	38.49
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	131.38	38.49
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	170.57	39.69
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	229.02	41.34

08 31 13 00-0036 Fiberglass Reinforced Polyester (FRP) Access Doors *(08 31 13)*

08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	154.41	24.81
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	173.25	26.46
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	224.26	28.11
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	275.17	29.76
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	330.12	31.29
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	358.96	31.42

08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	123.49	24.81
		For Recessed Doors In Acoustical Tile, Add	*8.76*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	129.03	26.59
		For Recessed Doors In Acoustical Tile, Add	*9.88*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	138.83	28.11
		For Recessed Doors In Acoustical Tile, Add	*10.11*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	164.04	29.76
		For Recessed Doors In Acoustical Tile, Add	*8.14*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	172.55	31.42
		For Recessed Doors In Acoustical Tile, Add	*8.68*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	189.98	31.42
		For Recessed Doors In Acoustical Tile, Add	*6.07*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	236.47	39.69
		For Recessed Doors In Acoustical Tile, Add	*8.18*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	343.26	41.34
		For Recessed Doors In Acoustical Tile, Add	*-6.02*	

08 31 13 00-0052 Steel Crawl Space Doors And Frames *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	141.00	41.87
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	200.33	50.73
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	224.98	55.10

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,402.90	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,518.48	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,716.85	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,928.29	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	2,923.02	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,064.79	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,144.61	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,335.91	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	3,474.35	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	3,905.46	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,008.84	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,888.54	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,179.81	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,313.27	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,413.69	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,636.27	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	3,840.86	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,021.67	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,498.70	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,317.83	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,654.53	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,845.22	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,980.26	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,315.39	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,096.40	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,269.78	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,525.93	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,795.17	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,443.15	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,613.82	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,751.43	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,856.04	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	4,571.73	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,198.80	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,302.17	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,495.41	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	4,963.65	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,136.30	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,315.10	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,576.87	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	7,547.58	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	7,728.40	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	20,792.13	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,210.88	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	7,818.81	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,054.70	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,257.55	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,208.45	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	6,643.50	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	6,824.32	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,030.13	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,306.80	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,457.18	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,693.07	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,986.33	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,213.96	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	9,118.00	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	9,901.84	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	11,494.51	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,374.21	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	10,293.76	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	11,132.68	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,330.47	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,944.97	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	5,812.62	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	5,928.21	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,184.37	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,684.77	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,159.38	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,561.21	220.32
		For Motor Operator (With Safety Reverse), Add	*705.08*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,929.99	229.13
		For Motor Operator (With Safety Reverse), Add	*707.29*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,132.65	247.88
		For Motor Operator (With Safety Reverse), Add	*711.97*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	11,077.60	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	11,469.52	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	13,062.19	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	6,274.96	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	8,586.64	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	9,767.47	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	5,465.87	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,159.38	198.30
		For Motor Operator (With Safety Reverse), Add	*699.58*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,588.91	210.69
		For Motor Operator (With Safety Reverse), Add	*702.08*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,262.69	247.88
		For Motor Operator (With Safety Reverse), Add	*711.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,250.00	86.76
		For Lexan Lattice Pattern, Add	*150.32*	
		For Staggered Brick Pattern, Add	*147.79*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,393.03	101.63
		For Lexan Lattice Pattern, Add	*165.45*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,535.72	115.66
		For Lexan Lattice Pattern, Add	*180.78*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,706.85	131.38
		For Lexan Lattice Pattern, Add	*200.26*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,878.06	146.25
		For Lexan Lattice Pattern, Add	*219.73*	
		For Staggered Brick Pattern, Add	*358.60*	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,131.52	158.64
		For Lexan Lattice Pattern, Add	*251.50*	
		For Staggered Brick Pattern, Add	*415.73*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,384.25	173.51
		For Lexan Lattice Pattern, Add	*283.27*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,678.37	198.30
		For Lexan Lattice Pattern, Add	*315.05*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,993.93	231.26
		For Lexan Lattice Pattern, Add	*349.94*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,742.07	277.62
		For Lexan Lattice Pattern, Add	*442.14*	
		For Staggered Brick Pattern, Add	*607.11*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,628.59	347.03
		For Lexan Lattice Pattern, Add	*545.56*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,303.67	86.76
		For Lexan Lattice Pattern, Add	*158.37*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,467.69	101.63
		For Lexan Lattice Pattern, Add	*176.65*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,546.33	115.70
		For Lexan Lattice Pattern, Add	*182.37*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,702.41	131.38
		For Lexan Lattice Pattern, Add	*199.59*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,859.32	146.25
		For Lexan Lattice Pattern, Add	*216.80*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,138.36	158.64
		For Lexan Lattice Pattern, Add	*252.53*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,417.42	173.51
		For Lexan Lattice Pattern, Add	*288.25*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,737.86	198.30
		For Lexan Lattice Pattern, Add	*323.97*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,057.18	231.26
		For Lexan Lattice Pattern, Add	*359.69*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,879.62	277.62
		For Lexan Lattice Pattern, Add	*462.77*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,714.23	347.03
		For Lexan Lattice Pattern, Add	*558.41*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,359.82	86.76
		For Lexan Lattice Pattern, Add	*166.79*	
		For Staggered Brick Pattern, Add	*147.79*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,544.15	101.63
		For Lexan Lattice Pattern, Add	*188.12*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,728.17	115.66
		For Lexan Lattice Pattern, Add	*209.65*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,940.60	131.38
		For Lexan Lattice Pattern, Add	*235.32*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,153.86	146.25
		For Lexan Lattice Pattern, Add	*260.99*	
		For Staggered Brick Pattern, Add	*358.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,475.07	158.64
		For Lexan Lattice Pattern, Add	*303.03*	
		For Staggered Brick Pattern, Add	*415.73*	
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,796.30	173.51
		For Lexan Lattice Pattern, Add	*345.08*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,158.92	198.30
		For Lexan Lattice Pattern, Add	*387.13*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,522.19	231.26
		For Lexan Lattice Pattern, Add	*429.18*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,400.93	277.62
		For Lexan Lattice Pattern, Add	*540.97*	
		For Staggered Brick Pattern, Add	*607.11*	
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,399.76	347.03
		For Lexan Lattice Pattern, Add	*661.24*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,468.37	86.76
		For Lexan Lattice Pattern, Add	*183.07*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,714.74	101.63
		For Lexan Lattice Pattern, Add	*213.71*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,875.70	115.70
		For Lexan Lattice Pattern, Add	*231.78*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,114.16	131.38
		For Lexan Lattice Pattern, Add	*261.35*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,353.47	146.25
		For Lexan Lattice Pattern, Add	*290.93*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,714.87	158.64
		For Lexan Lattice Pattern, Add	*339.00*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,076.28	173.51
		For Lexan Lattice Pattern, Add	*387.08*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,479.08	198.30
		For Lexan Lattice Pattern, Add	*435.15*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,880.77	231.26
		For Lexan Lattice Pattern, Add	*483.23*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,867.91	277.62
		For Lexan Lattice Pattern, Add	*611.01*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,864.86	347.03
		For Lexan Lattice Pattern, Add	*731.00*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 23 Overhead Coiling Doors *(08 33)*

See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-1131 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0419 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	861.41	307.32
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	931.57	325.40
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	927.59	325.40
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,002.93	343.47
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,011.85	352.53
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,104.82	379.64
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,194.97	397.71
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,155.75	397.71
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,202.25	406.75
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,261.37	415.79
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,376.91	433.87
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,255.90	415.79
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,350.80	433.87
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,465.29	451.94
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,541.92	470.02

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,789.38	457.37
		For 3/4" Insulated Slats, Add	*1,520.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,875.01	467.76
		For 3/4" Insulated Slats, Add	*1,571.53*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,127.39	498.95
		For 3/4" Insulated Slats, Add	*1,721.86*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,366.65	519.74
		For 3/4" Insulated Slats, Add	*1,875.32*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,011.89	478.16
		For 3/4" Insulated Slats, Add	*1,661.22*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,242.82	519.74
		For 3/4" Insulated Slats, Add	*1,782.45*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,432.16	540.52
		For 3/4" Insulated Slats, Add	*1,898.46*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,686.72	561.31
		For 3/4" Insulated Slats, Add	*2,063.40*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,247.06	498.95
		For 3/4" Insulated Slats, Add	*1,811.61*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,459.85	519.74
		For 3/4" Insulated Slats, Add	*1,945.22*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,714.23	561.31
		For 3/4" Insulated Slats, Add	*2,084.03*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,061.47	579.40
		For 3/4" Insulated Slats, Add	*2,321.87*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,101.39	615.55
		For 3/4" Insulated Slats, Add	*2,306.61*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,530.06	651.70
		For 3/4" Insulated Slats, Add	*2,582.91*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,980.32	687.86
		For 3/4" Insulated Slats, Add	*2,875.42*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,438.53	411.63
		For 3/4" Insulated Slats, Add	*1,314.36*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,645.84	434.50
		For 3/4" Insulated Slats, Add	*1,441.23*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,788.66	452.58
		For 3/4" Insulated Slats, Add	*1,525.75*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,756.43	480.24
		For 3/4" Insulated Slats, Add	*1,467.01*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,027.49	525.98
		For 3/4" Insulated Slats, Add	*1,613.13*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,228.67	544.05
		For 3/4" Insulated Slats, Add	*1,741.42*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,772.75	562.13
		For 3/4" Insulated Slats, Add	*2,126.88*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,334.88	589.25
		For 3/4" Insulated Slats, Add	*2,514.58*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,015.24	514.54
		For 3/4" Insulated Slats, Add	*1,618.27*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,282.47	548.84
		For 3/4" Insulated Slats, Add	*1,775.80*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,508.94	571.71
		For 3/4" Insulated Slats, Add	*1,917.04*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,030.27	589.79
		For 3/4" Insulated Slats, Add	*2,285.45*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,569.67	616.90
		For 3/4" Insulated Slats, Add	*2,656.10*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,589.71	594.57
		For 3/4" Insulated Slats, Add	*1,949.06*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,903.12	617.45
		For 3/4" Insulated Slats, Add	*2,155.51*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,483.20	653.60
		For 3/4" Insulated Slats, Add	*2,545.38*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,099.45	707.83
		For 3/4" Insulated Slats, Add	*2,939.77*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,690.72	780.15
		For 3/4" Insulated Slats, Add	*3,292.83*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,318.16	870.54
		For 3/4" Insulated Slats, Add	*3,650.43*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,981.74	979.00
		For 3/4" Insulated Slats, Add	*4,012.54*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,679.59	1,105.55
		For 3/4" Insulated Slats, Add	*4,377.74*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,921.06	617.45
		For 3/4" Insulated Slats, Add	*2,168.96*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,238.42	637.33
		For 3/4" Insulated Slats, Add	*2,382.13*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,983.17	673.49
		For 3/4" Insulated Slats, Add	*2,895.50*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,764.04	727.73
		For 3/4" Insulated Slats, Add	*3,413.36*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,487.78	800.03
		For 3/4" Insulated Slats, Add	*3,865.78*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,247.68	890.43
		For 3/4" Insulated Slats, Add	*4,322.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,043.72	998.89
		For 3/4" Insulated Slats, Add	*4,784.16*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,912.05	1,143.52
		For 3/4" Insulated Slats, Add	*5,254.63*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,870.67	718.96
		For 3/4" Insulated Slats, Add	*2,754.31*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,409.06	755.11
		For 3/4" Insulated Slats, Add	*3,112.91*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,071.44	791.27
		For 3/4" Insulated Slats, Add	*3,564.50*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,692.48	845.50
		For 3/4" Insulated Slats, Add	*3,962.49*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,391.99	917.81
		For 3/4" Insulated Slats, Add	*4,396.74*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,090.74	990.13
		For 3/4" Insulated Slats, Add	*4,830.41*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,663.05	1,080.52
		For 3/4" Insulated Slats, Add	*5,896.65*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,271.50	1,188.98
		For 3/4" Insulated Slats, Add	*6,967.41*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,946.63	826.81
		For 3/4" Insulated Slats, Add	*3,426.47*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,568.40	862.96
		For 3/4" Insulated Slats, Add	*3,847.60*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,114.75	899.11
		For 3/4" Insulated Slats, Add	*4,212.17*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,719.07	953.35
		For 3/4" Insulated Slats, Add	*4,597.62*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,422.40	1,025.66
		For 3/4" Insulated Slats, Add	*5,034.73*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,244.49	1,097.97
		For 3/4" Insulated Slats, Add	*5,560.91*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,526.91	1,188.36
		For 3/4" Insulated Slats, Add	*6,409.73*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,856.93	1,296.83
		For 3/4" Insulated Slats, Add	*7,271.67*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,355.59	930.15
		For 3/4" Insulated Slats, Add	*3,603.97*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,904.99	966.32
		For 3/4" Insulated Slats, Add	*3,970.83*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,788.45	1,020.55
		For 3/4" Insulated Slats, Add	*4,565.64*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,562.08	1,092.86
		For 3/4" Insulated Slats, Add	*5,055.47*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,377.71	1,183.25
		For 3/4" Insulated Slats, Add	*5,554.21*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,230.26	1,291.72
		For 3/4" Insulated Slats, Add	*6,058.03*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,797.67	1,418.26
		For 3/4" Insulated Slats, Add	*7,075.42*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,436.00	1,562.88
		For 3/4" Insulated Slats, Add	*8,123.38*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,252.01	1,069.69
		For 3/4" Insulated Slats, Add	*4,101.89*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,361.70	1,105.84
		For 3/4" Insulated Slats, Add	*4,888.96*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,349.78	1,307.87
		For 3/4" Insulated Slats, Add	*5,377.52*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,502.65	1,362.11
		For 3/4" Insulated Slats, Add	*6,174.38*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,875.00	1,434.41
		For 3/4" Insulated Slats, Add	*7,113.26*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,421.34	1,506.73
		For 3/4" Insulated Slats, Add	*8,182.62*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,012.04	1,597.11
		For 3/4" Insulated Slats, Add	*9,262.66*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,667.65	1,705.58
		For 3/4" Insulated Slats, Add	*10,368.78*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,746.38	1,266.29
		For 3/4" Insulated Slats, Add	*4,226.94*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,963.05	1,320.53
		For 3/4" Insulated Slats, Add	*5,071.65*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,505.89	1,438.65
		For 3/4" Insulated Slats, Add	*6,081.09*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,038.49	1,492.88
		For 3/4" Insulated Slats, Add	*7,162.74*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,612.70	1,565.19
		For 3/4" Insulated Slats, Add	*8,253.01*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,360.28	1,637.51
		For 3/4" Insulated Slats, Add	*9,473.31*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,149.73	1,727.89
		For 3/4" Insulated Slats, Add	*10,702.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,963.77	1,836.36
		For 3/4" Insulated Slats, Add	*11,927.36*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,543.40	1,392.92
		For 3/4" Insulated Slats, Add	*4,666.39*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,373.28	1,429.07
		For 3/4" Insulated Slats, Add	*5,243.60*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,252.02	1,465.22
		For 3/4" Insulated Slats, Add	*6,607.47*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,973.79	1,519.46
		For 3/4" Insulated Slats, Add	*7,831.00*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,660.72	1,591.77
		For 3/4" Insulated Slats, Add	*9,005.81*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,519.71	1,664.08
		For 3/4" Insulated Slats, Add	*10,309.66*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,753.15	1,763.51
		For 3/4" Insulated Slats, Add	*11,860.46*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,044.64	1,862.94
		For 3/4" Insulated Slats, Add	*13,454.79*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,457.45	754.93
		For 3/4" Insulated Slats, Add	*3,149.48*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,069.39	792.89
		For 3/4" Insulated Slats, Add	*3,560.97*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,823.89	830.86
		For 3/4" Insulated Slats, Add	*4,079.39*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,527.22	887.77
		For 3/4" Insulated Slats, Add	*4,535.72*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,317.23	963.69
		For 3/4" Insulated Slats, Add	*5,033.31*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,106.32	1,039.61
		For 3/4" Insulated Slats, Add	*5,530.22*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,896.39	1,134.56
		For 3/4" Insulated Slats, Add	*6,754.14*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,724.42	1,248.46
		For 3/4" Insulated Slats, Add	*7,982.80*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,673.23	868.17
		For 3/4" Insulated Slats, Add	*3,919.76*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,381.04	906.13
		For 3/4" Insulated Slats, Add	*4,403.16*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,002.13	944.09
		For 3/4" Insulated Slats, Add	*4,821.52*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,686.24	1,001.00
		For 3/4" Insulated Slats, Add	*5,263.43*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,480.60	1,076.93
		For 3/4" Insulated Slats, Add	*5,764.29*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,411.55	1,152.86
		For 3/4" Insulated Slats, Add	*6,367.59*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,868.25	1,247.80
		For 3/4" Insulated Slats, Add	*7,341.48*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,376.07	1,361.69
		For 3/4" Insulated Slats, Add	*8,329.98*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,122.87	976.63
		For 3/4" Insulated Slats, Add	*4,121.32*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,747.44	1,014.59
		For 3/4" Insulated Slats, Add	*4,542.29*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,752.58	1,071.58
		For 3/4" Insulated Slats, Add	*5,224.97*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,627.80	1,147.51
		For 3/4" Insulated Slats, Add	*5,786.47*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,547.68	1,242.38
		For 3/4" Insulated Slats, Add	*6,357.75*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,506.41	1,356.26
		For 3/4" Insulated Slats, Add	*6,934.43*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,283.65	1,489.18
		For 3/4" Insulated Slats, Add	*8,101.27*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,138.80	1,641.02
		For 3/4" Insulated Slats, Add	*9,302.81*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,125.87	1,123.13
		For 3/4" Insulated Slats, Add	*4,690.43*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,394.75	1,161.10
		For 3/4" Insulated Slats, Add	*5,594.64*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,228.81	1,373.26
		For 3/4" Insulated Slats, Add	*5,955.03*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,503.17	1,430.24
		For 3/4" Insulated Slats, Add	*6,839.62*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,019.16	1,506.17
		For 3/4" Insulated Slats, Add	*7,881.71*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,728.49	1,582.10
		For 3/4" Insulated Slats, Add	*9,068.79*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,484.87	1,676.97
		For 3/4" Insulated Slats, Add	*10,267.45*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,311.18	1,790.85
		For 3/4" Insulated Slats, Add	*11,494.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,452.31	1,329.58
		For 3/4" Insulated Slats, Add	*4,677.25*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,797.52	1,386.57
		For 3/4" Insulated Slats, Add	*5,614.98*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,497.41	1,510.57
		For 3/4" Insulated Slats, Add	*6,734.79*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,193.66	1,567.56
		For 3/4" Insulated Slats, Add	*7,935.80*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,933.95	1,643.49
		For 3/4" Insulated Slats, Add	*9,146.11*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,866.86	1,719.41
		For 3/4" Insulated Slats, Add	*10,500.88*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,844.09	1,814.28
		For 3/4" Insulated Slats, Add	*11,865.17*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,846.45	1,928.17
		For 3/4" Insulated Slats, Add	*13,224.58*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,322.41	1,462.56
		For 3/4" Insulated Slats, Add	*5,163.60*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,240.08	1,500.52
		For 3/4" Insulated Slats, Add	*5,804.40*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,323.13	1,538.49
		For 3/4" Insulated Slats, Add	*7,319.24*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,229.58	1,595.40
		For 3/4" Insulated Slats, Add	*8,677.89*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,095.13	1,671.33
		For 3/4" Insulated Slats, Add	*9,982.14*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,151.83	1,747.26
		For 3/4" Insulated Slats, Add	*11,429.76*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,621.30	1,851.67
		For 3/4" Insulated Slats, Add	*13,151.34*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,155.23	1,956.09
		For 3/4" Insulated Slats, Add	*14,921.31*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0419 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,796.98	411.63
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,938.22	434.50
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,330.57	452.58
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,222.60	480.24
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,432.18	525.98
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,586.48	544.05
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,776.20	562.13
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,986.57	589.25
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,436.93	514.54
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,665.42	548.84
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,873.55	571.71
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,063.43	589.79
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,272.24	616.90
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,931.79	594.57
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,136.23	617.45
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,404.24	653.60
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,709.51	707.83
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,190.65	780.15
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,707.88	870.54
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,258.03	979.00
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,845.30	1,105.55
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,132.24	617.45
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,555.28	637.33
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,926.29	673.49
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,335.25	727.73
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,886.91	800.03
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,476.29	890.43
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,876.96	998.89
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,352.00	1,143.52

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,570.52	718.96
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,069.34	755.11
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,558.10	791.27
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,042.60	845.50
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,596.08	917.81
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,149.55	990.13
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,748.02	1,080.52
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,382.74	1,188.98
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,171.11	826.81
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,693.92	862.96
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,194.00	899.11
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,746.65	953.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,380.91	1,025.66
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,053.00	1,097.97
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,730.95	1,188.36
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,405.95	1,296.83
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,656.73	930.15
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,218.65	966.32
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,874.00	1,020.55
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,555.71	1,092.86
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,281.62	1,183.25
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,038.66	1,291.72
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,830.57	1,418.26
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,663.70	1,562.88
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,314.33	1,069.69
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,887.63	1,105.84
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,832.73	1,160.07
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,472.04	1,232.38
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,266.10	1,322.77
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,119.00	1,431.24
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,967.71	1,557.78
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,879.08	1,702.40
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,271.57	1,266.29
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,021.08	1,320.53
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,989.30	1,438.65
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,813.25	1,492.88
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,672.12	1,565.19
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,539.80	1,637.51
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,395.69	1,727.89
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,294.04	1,836.36
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,914.78	1,392.92
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,371.97	1,429.07
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,506.83	1,465.22
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,434.25	1,519.46
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,346.11	1,591.77
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,257.98	1,664.08
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,337.22	1,754.47
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,490.49	1,862.94

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	3.66	0.64
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	33.82	0.78
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	32.15	0.78
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	147.09	32.25
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	17.23	
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	68.89	
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,646.58	103.21
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,160.29	103.21
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,967.86	116.10
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,389.64	116.10
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,597.37	129.00
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,853.24	129.00
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	71.97	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	188.14	51.60

08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	11.23	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1131 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)*

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*

08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,209.98	188.86
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,497.61	197.64
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,783.16	206.40
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,066.60	215.18
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,354.23	223.96
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0010		**6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,497.61	197.64
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,783.16	206.40
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,066.60	215.18
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,354.23	223.96
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,925.31	241.50
08 33 23 13-0017		**7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,783.16	206.40
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,066.60	215.18
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,354.23	223.96
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,925.31	241.50
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,212.95	250.26
08 33 23 13-0024		**8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,066.60	215.18
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,354.23	223.96
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,925.31	241.50
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,212.95	250.26
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,496.39	259.04
08 33 23 13-0031		**9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,354.23	223.96
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,925.31	241.50
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,212.95	250.26
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,496.39	259.04
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,784.01	267.82
08 33 23 13-0038		**10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,639.76	232.72
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,925.31	241.50
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,212.95	250.26
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,496.39	259.04
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,784.01	267.82
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,069.56	276.58
08 33 23 13-0045		**Rytec® Bantam® Door Options** *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	13.09	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	28.79	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	41.87	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	397.80	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	679.71	25.80
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	679.71	25.80
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,086.73	51.60
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	323.78	25.80
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	313.31	25.80
08 33 23 13-0055		**2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		**2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0057		**6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,247.73	206.40
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,509.53	215.18
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,815.92	223.96
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,254.14	232.72
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,702.07	241.50
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,475.67	250.26
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,016.64	259.04
08 33 23 13-0065		**7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,573.51	215.18
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,914.79	223.96
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,351.07	232.72
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,814.51	241.50
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,434.96	250.26
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,189.18	259.04
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,778.61	267.82
08 33 23 13-0073		**8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,976.83	223.96
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,411.17	232.72
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,893.99	241.50
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,533.83	250.26
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,107.75	259.04
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,931.76	267.82
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,602.62	276.58
08 33 23 13-0081		**9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,475.15	232.72
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,954.09	241.50
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,593.93	250.26
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,187.24	259.04
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,811.56	267.82
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,461.10	276.58
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,176.54	285.36
08 33 23 13-0089		**10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,004.49	241.50
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,657.90	250.26
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,245.40	259.04
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,875.54	267.82
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,577.42	276.58
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,695.77	285.36
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,909.44	294.13
08 33 23 13-0097		**11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,694.74	250.26
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,297.74	259.04
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,935.63	267.82
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,639.45	276.58
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,091.24	285.36
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,014.12	294.13
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,764.46	302.90
08 33 23 13-0105		**12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,315.19	259.04
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,970.53	267.82
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,687.92	276.58
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,157.15	285.36
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,783.43	294.13
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,853.64	302.90
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,588.47	311.68
08 33 23 13-0113		**Rytec® PredaDoor® Door Options** *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	733.26	51.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,150.06	51.60
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	15.70	

08 33 23 13-0117 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13)*

Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.

08 33 23 13-0118 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0117)*

08 33 23 13-0119 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,661.64	464.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,853.07	477.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,885.52	490.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,999.40	503.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,268.37	517.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,913.10	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,945.56	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,857.59	557.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,337.52	571.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,522.98	586.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,002.33	602.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,853.07	477.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,885.52	490.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,999.40	503.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,268.37	517.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,913.10	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,945.56	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,290.13	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,337.52	571.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,522.98	586.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,002.33	602.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,773.50	617.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,885.52	490.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,999.40	503.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,268.37	517.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,913.10	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,945.56	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,290.13	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,557.15	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,522.41	586.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,001.75	601.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,772.90	617.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,255.95	633.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,999.40	503.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,268.37	517.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,913.10	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,945.56	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,290.13	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,557.15	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,979.27	582.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,000.34	601.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,771.46	616.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,254.47	632.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,025.15	649.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,268.37	517.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,913.10	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,945.56	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,290.13	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,557.15	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,979.27	582.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,988.47	596.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,769.30	615.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,252.25	631.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,022.87	648.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,794.34	664.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,711.80	530.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,044.75	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,305.96	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,778.48	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,245.19	582.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,322.24	596.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,129.82	609.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,368.76	630.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,141.40	646.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,921.17	663.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,479.89	680.71
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,044.75	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,305.96	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,778.48	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,245.19	582.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,322.24	596.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,129.82	609.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,352.26	622.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,137.74	644.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,917.41	661.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,476.04	678.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,938.73	696.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,280.27	543.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,753.33	556.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,220.11	569.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,297.47	582.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,104.74	596.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,326.56	609.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,121.37	636.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,913.54	659.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,472.07	676.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,934.65	694.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,351.29	712.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,777.58	568.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,245.58	582.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,324.17	596.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,132.66	609.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,355.70	623.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,123.11	637.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,896.79	651.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,468.11	674.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,930.59	692.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,347.12	710.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,777.17	728.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,106.01	581.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,323.42	595.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,806.71	609.90
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,440.76	623.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,936.61	638.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,184.11	652.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,347.86	666.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,926.55	690.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,342.97	708.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,772.90	726.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,126.33	745.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,728.17	595.11
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,350.30	609.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,121.09	623.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,885.59	638.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,727.56	652.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,365.13	667.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,078.07	681.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,354.28	706.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,768.65	724.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,052.87	743.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,411.35	762.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0251		19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,348.86	608.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,120.30	623.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,885.47	638.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,728.10	653.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,366.33	667.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,079.95	682.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,336.35	697.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,764.41	722.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,048.52	741.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,406.89	760.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,766.27	780.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,118.82	622.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,884.66	637.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,727.97	652.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,366.88	668.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,081.17	683.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,338.25	698.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,746.06	713.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,044.19	739.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,402.45	758.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,761.71	778.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,828.86	798.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,046.19	667.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,685.80	683.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,398.68	698.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,660.63	714.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,067.06	729.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,366.37	756.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,725.50	775.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,085.66	795.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,153.75	816.60
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,103.61	683.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,746.02	699.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,457.52	714.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,718.09	730.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,129.42	746.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,429.93	773.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,789.97	793.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,148.97	814.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,220.11	835.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,163.85	699.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,804.89	715.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,519.21	731.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,780.50	747.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,190.46	763.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,494.32	791.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,853.19	811.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,215.22	832.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	74,287.33	854.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,222.70	715.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,864.49	731.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,581.64	748.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,843.69	764.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,252.29	781.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,555.32	809.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,917.23	830.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	74,282.33	852.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	76,351.25	874.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	58.16
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	630.05
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,046.85
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,539.49
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,303.07
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	368.34
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	726.98
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	920.84
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,453.96
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	426.49
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	843.30
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	1,046.85
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,686.59
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	794.68
		For 304 Stainless Steel, Add	*127.15*
		For 316 Stainless Steel, Add	*556.28*
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,033.08
		For 304 Stainless Steel, Add	*165.29*
		For 316 Stainless Steel, Add	*723.16*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,350.95	
		For 304 Stainless Steel, Add	*216.15*	
		For 316 Stainless Steel, Add	*945.67*	
08 33 23 13-0332	EA	Through Wall Brake Release	216.67	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,807.17	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*	

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*

08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,428.05	464.42
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,701.42	477.57
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,219.75	490.73
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,738.09	503.89
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,258.52	517.05
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,776.85	530.21
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,048.14	543.36
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,570.51	557.49
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,583.54	571.99
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,860.34	586.86
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,629.92	602.12

08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,701.42	477.57
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,972.70	490.73
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,493.13	503.89
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,258.52	517.05
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,529.80	530.21
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,048.14	543.36
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,568.57	556.53
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,091.52	571.99
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,352.36	586.86
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,616.06	602.12
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,878.46	617.78

08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,450.85	490.73
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,724.22	503.89
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,242.56	517.05
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,007.95	530.21
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,526.29	543.36
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,046.72	556.53
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,565.05	569.68
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,337.92	586.57
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,352.46	601.82
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,861.90	617.47
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,127.21	633.53

08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,477.17	503.89
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,995.51	517.05
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,515.93	530.21
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,281.33	543.36
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,799.67	556.53
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,318.00	569.68
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,577.51	582.84
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,090.13	601.11
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,599.54	616.74
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,109.76	632.78
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,373.76	649.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0384		**12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,750.54	517.05
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,268.87	530.21
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,787.21	543.36
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,552.61	556.53
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,318.00	569.68
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,822.47	582.84
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,326.94	596.00
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,844.43	615.67
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,599.55	631.68
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,110.56	648.09
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,622.42	664.95
08 33 23 13-0396		**13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,268.87	530.21
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,542.25	543.36
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,060.59	556.53
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,073.03	569.68
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,822.47	582.84
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,574.00	596.00
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,078.47	609.15
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,843.79	630.26
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,601.77	646.64
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,358.51	663.46
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,871.17	680.71
08 33 23 13-0408		**14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,542.25	543.36
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,813.53	556.53
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,578.92	569.68
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,083.39	582.84
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,326.94	596.00
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,078.47	609.15
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,074.96	622.32
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,843.07	644.82
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,601.81	661.59
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,359.34	678.78
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,366.89	696.43
08 33 23 13-0420		**15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,045.40	555.86
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,564.34	569.32
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,330.34	582.78
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,341.30	596.25
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,832.51	609.71
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,829.60	623.17
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,826.70	636.63
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,597.94	659.65
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,602.42	676.80
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,607.79	694.40
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,614.07	712.45
08 33 23 13-0432		**16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,315.94	568.65
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,082.54	582.42
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,849.17	596.19
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,846.88	609.96
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,583.67	623.73
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,583.47	637.50
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,581.19	651.27
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,598.46	674.82
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,603.73	692.36
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,609.90	710.37
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,864.08	728.84
08 33 23 13-0444		**17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,836.20	581.72
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,356.39	595.82
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,354.74	609.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,353.09	623.99
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,090.51	638.07
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,335.91	652.17
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,334.27	666.25
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,599.69	690.34
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,605.75	708.29
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,859.81	726.70
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,114.83	745.60

08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,354.98	595.11
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,875.82	609.52
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,613.90	623.93
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,859.95	638.34
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,598.03	652.75
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,844.07	667.16
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,337.18	681.57
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,601.61	706.22
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,855.56	724.58
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,110.47	743.42
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,366.36	762.75

08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,366.40	608.80
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,134.96	623.54
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,120.75	638.28
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,367.46	653.02
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,353.26	667.76
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,599.98	682.51
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,091.66	697.25
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,359.30	722.47
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,859.06	741.25
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,114.83	760.52
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,618.68	780.30

08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,872.55	622.80
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,641.80	637.88
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,381.21	652.96
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,875.66	668.04
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,862.12	683.13
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,354.48	698.20
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,848.93	713.29
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,362.71	739.08
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,865.42	758.30
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,367.06	778.01
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,869.70	798.24

08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,148.26	637.12
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,396.35	652.55
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,644.44	667.98
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,384.55	683.40
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,371.71	698.84
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,111.81	714.26
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,604.86	729.70
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,366.88	756.08
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,870.48	775.74
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,373.01	795.91
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,123.65	816.60

08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,669.59	651.78
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,671.33	667.56
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,153.31	683.34
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,894.13	699.12
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,126.96	714.91
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,867.78	730.69
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,363.64	746.47
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,126.86	773.47
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,876.33	793.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,626.85	814.22
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,378.44	835.38
08 33 23 13-0516		23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,424.78	666.76
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,180.18	682.91
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,415.85	699.05
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,404.44	715.20
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,638.01	731.35
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,379.55	747.50
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,368.15	763.65
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,132.63	791.26
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,883.01	811.82
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,881.54	832.94
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,634.10	854.60
08 33 23 13-0528		24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,933.60	682.10
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,197.74	698.62
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,926.15	715.13
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,668.44	731.65
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,149.79	748.17
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,139.14	764.69
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,126.39	781.21
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,139.19	809.45
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,890.53	830.50
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	72,890.02	852.09
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	75,890.64	874.25
08 33 23 13-0540		Rytec® Powerhouse™ Door Options *(08 33 23 13-0334)*		
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,203.36	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,266.17	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,328.98	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,391.80	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,454.61	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,517.42	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,580.23	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,643.04	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,705.85	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,768.66	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,831.47	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.28	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,957.09	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,019.91	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,082.72	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,145.53	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,208.34	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	732.80	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,800.58	
08 33 23 13-0560		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)* Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*		
08 33 23 13-0562		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,666.57	619.22
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,741.68	632.38
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,816.78	645.54
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,893.83	658.69
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,968.94	671.86
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,214.79	698.17
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,281.81	712.14
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,348.77	726.37
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,416.30	740.90
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,484.41	755.72
08 33 23 13-0574		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,741.68	632.38
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,816.78	645.54
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,893.83	658.69
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,968.94	671.86
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,119.15	698.17
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,289.89	711.33
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,340.30	725.56
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,427.19	740.07
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,495.26	754.87
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,563.95	769.97
08 33 23 13-0586		**10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,816.78	645.54
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,893.83	658.69
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,968.94	671.86
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,119.15	698.17
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,194.25	711.33
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,365.00	724.49
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,433.38	738.98
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,501.42	753.76
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,570.05	768.83
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,639.27	784.21
08 33 23 13-0598		**11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,893.83	658.69
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,968.94	671.86
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,119.15	698.17
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,194.25	711.33
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,269.36	724.49
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,438.17	737.65
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,509.18	752.40
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,577.74	767.44
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,646.92	782.79
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,716.70	798.45
08 33 23 13-0610		**12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,968.94	671.86
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,119.15	698.17
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,194.25	711.33
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,269.36	724.49
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,344.46	737.65
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,515.21	750.80
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,584.96	765.82
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,654.08	781.14
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,723.79	796.76
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,796.23	812.69
08 33 23 13-0622		**13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,044.04	685.01
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,119.15	698.17
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,194.25	711.33
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,269.36	724.49
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,344.46	737.65
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,419.57	750.80
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,590.32	763.96
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,660.74	779.25
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,730.39	794.82
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,800.67	810.72
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,871.56	826.94
08 33 23 13-0634		**14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,214.79	698.17
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,289.89	711.33
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,365.00	724.49
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,438.17	737.65
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,515.21	750.80
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,590.32	763.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,655.74	777.12
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,726.07	792.67
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,796.25	808.52
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,867.06	824.69
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,938.53	841.18
08 33 23 13-0646		**15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,281.81	712.14
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,359.69	725.56
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,433.38	738.98
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,509.18	752.40
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,584.96	765.82
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,660.74	779.25
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,726.07	792.67
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,796.25	808.52
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,867.06	824.69
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,938.53	841.18
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,010.65	858.01
08 33 23 13-0658		**16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,348.77	726.37
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,427.19	740.07
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,501.42	753.76
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,577.74	767.44
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,654.08	781.14
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,730.39	794.82
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,796.25	808.52
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,867.06	824.69
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,938.53	841.18
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,010.65	858.01
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,085.54	875.16
08 33 23 13-0670		**17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,416.30	740.90
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,495.26	754.87
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,570.05	768.83
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,646.92	782.79
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,723.79	796.76
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,800.67	810.72
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,867.06	824.69
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,938.53	841.18
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,010.65	858.01
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,085.54	875.16
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,159.02	892.67
08 33 23 13-0682		**18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,716.81	755.72
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,794.26	769.97
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,871.67	784.21
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,947.01	798.45
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,026.54	812.69
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,101.87	826.94
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,170.93	841.18
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,243.05	858.01
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,315.85	875.16
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,389.32	892.67
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,463.51	910.52
08 33 23 13-0694		**19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,130.98	770.84
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,211.07	785.36
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,286.98	799.90
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,364.98	814.42
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,442.98	828.95
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,520.98	843.47
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,588.51	858.01
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,661.31	875.16
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,734.79	892.67
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,808.97	910.52
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,885.96	928.74

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0706		**20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,893.10	786.41
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,974.07	800.86
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,050.34	815.82
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,129.20	830.79
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,207.55	845.75
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,285.92	860.19
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,354.32	875.16
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,427.88	892.71
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,501.97	910.76
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,577.08	928.83
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	63,652.72	947.40
08 33 23 13-0718		**Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0560)*		
08 33 23 13-0719		**8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,527.42	412.82
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,353.37	421.58
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,179.32	430.36
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,001.39	439.13
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,827.33	447.90
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,559.36	465.44
08 33 23 13-0727		**9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,353.37	421.58
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,179.32	430.36
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,001.39	439.13
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,827.33	447.90
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,479.22	465.44
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,385.31	474.22
08 33 23 13-0735		**10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,179.32	430.36
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,001.39	439.13
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,827.33	447.90
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,479.22	465.44
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,305.17	474.22
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,211.25	482.99
08 33 23 13-0743		**11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,001.39	439.13
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,827.33	447.90
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,479.22	465.44
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,305.17	474.22
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.11	482.99
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,033.32	491.76
08 33 23 13-0751		**12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,827.33	447.90
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,479.22	465.44
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,305.17	474.22
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.11	482.99
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,957.07	491.76
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,859.26	500.54
08 33 23 13-0759		**13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,653.28	456.68
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,479.22	465.44
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,305.17	474.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,131.11	482.99
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,957.07	491.76
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,783.01	500.54
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,685.21	509.31
08 33 23 13-0767		**14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)** *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,559.36	465.44
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,385.31	474.22
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,211.25	482.99
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,033.32	491.76
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,859.26	500.54
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,685.21	509.31
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	55,511.16	518.08
08 33 23 13-0775		**Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0560)*		
08 33 23 13-0776		**8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,757.15	412.82
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,583.10	421.58
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,409.05	430.36
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,233.05	439.13
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,058.99	447.90
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,878.36	454.35
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,731.80	456.68
08 33 23 13-0784		**9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,583.10	421.58
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,409.05	430.36
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,233.05	439.13
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,058.99	447.90
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,883.00	456.68
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,702.24	462.10
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,653.70	465.44
08 33 23 13-0792		**10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,409.05	430.36
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,233.05	439.13
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,058.99	447.90
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,883.00	456.68
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,708.95	465.44
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,530.25	471.90
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,720.04	474.22
08 33 23 13-0800		**11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,233.05	439.13
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,058.99	447.90
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,883.00	456.68
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,708.95	465.44
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,534.90	474.22
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,356.19	480.67
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,786.37	482.99
08 33 23 13-0808		**12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,058.99	447.90
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,883.00	456.68
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,708.95	465.44
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,534.90	474.22
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,360.84	482.99
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,181.11	488.93
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,852.70	491.76
08 33 23 13-0816		**13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,883.00	456.68
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,708.95	465.44
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,534.90	474.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,360.84	482.99
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,186.79	491.76
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,007.57	497.96
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,919.03	500.54
08 33 23 13-0824		**14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,749.34	465.44
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,815.68	474.22
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,882.01	482.99
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,946.41	491.76
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	49,014.67	500.54
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	50,076.36	506.99
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	50,081.00	509.31
08 33 23 13-0832		**Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0560)*		
08 33 23 13-0833		**8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,067.10	412.82
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,125.22	421.58
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,181.24	430.36
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,813.03	439.13
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,446.90	447.90
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,080.79	456.68
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,714.67	465.44
08 33 23 13-0841		**9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,125.22	421.58
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,181.24	430.36
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,237.26	439.13
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,871.14	447.90
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,502.93	456.68
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,136.81	465.44
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,781.16	474.22
08 33 23 13-0849		**10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,181.24	430.36
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,237.26	439.13
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,293.28	447.90
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,927.16	456.68
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,558.95	465.44
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,192.83	474.22
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,847.65	482.99
08 33 23 13-0857		**11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,237.26	439.13
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,293.28	447.90
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,349.30	456.68
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,983.18	465.44
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,617.07	474.22
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,248.85	482.99
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,912.05	491.76
08 33 23 13-0865		**12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,293.28	447.90
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,349.30	456.68
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,405.32	465.44
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,039.20	474.22
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,673.08	482.99
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,304.87	491.76
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,980.63	500.54
08 33 23 13-0873		**13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,349.30	456.68
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,405.32	465.44
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,461.34	474.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,095.22	482.99
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,729.11	491.76
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,362.98	500.54
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	61,047.11	509.31

08 33 23 13-0881 14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*

08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,405.32	465.44
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,461.34	474.22
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,517.36	482.99
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,151.25	491.76
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,785.12	500.54
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,419.00	509.31
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	62,103.14	518.08

08 33 23 13-0889 Rytec® Spiral® Door Options *(08 33 23 13-0560)*

08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	630.05	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,098.45	25.80
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,243.76	51.60
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,967.51	51.60
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,810.81	51.60
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	732.80	

08 33 23 13-0900 Activation And Control Box Options For High Speed Doors *(08 33 23 13)*

08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	206.69	25.80
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	180.89	12.90
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	239.05	12.90
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	151.81	12.90
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	258.43	12.90
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	452.29	12.90
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	500.76	12.90
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	707.45	23.22
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	810.66	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	590.56	23.22
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	814.07	23.22
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	767.63	15.48
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	478.09	25.80
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	681.65	25.80
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	788.27	25.80
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,001.52	25.80

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (scissor lift) where required. See CSI section 01 22 23 00-1131 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,680.08	104.11
		For Lexan Lattice Pattern, Add	*207.43*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*166.01*	
		For Staggered Brick Pattern, Add	*224.72*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,926.82	104.11
		For Lexan Lattice Pattern, Add	*244.44*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*304.34*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,310.64	130.13
		For Lexan Lattice Pattern, Add	*290.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*332.03*	
		For Staggered Brick Pattern, Add	*383.96*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,666.48	130.13
		For Lexan Lattice Pattern, Add	*344.14*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,622.60	208.21
		For Lexan Lattice Pattern, Add	*454.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*664.05*	
		For Staggered Brick Pattern, Add	*766.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,501.35	260.27
		For Lexan Lattice Pattern, Add	*563.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*988.87*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,699.31	312.33
		For Lexan Lattice Pattern, Add	*721.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,948.47	381.73
		For Lexan Lattice Pattern, Add	*879.19*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	1,858.92	104.11
		For Lexan Lattice Pattern, Add	*234.26*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*207.51*	
		For Staggered Brick Pattern, Add	*266.98*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,185.93	104.11
		For Lexan Lattice Pattern, Add	*283.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.26*	
		For Staggered Brick Pattern, Add	*379.12*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,598.53	130.13
		For Lexan Lattice Pattern, Add	*334.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*415.04*	
		For Staggered Brick Pattern, Add	*491.27*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,044.18	130.13
		For Lexan Lattice Pattern, Add	*400.97*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,117.90	208.21
		For Lexan Lattice Pattern, Add	*528.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*986.65*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,113.11	260.27
		For Lexan Lattice Pattern, Add	*655.64*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,037.58*	
		For Staggered Brick Pattern, Add	*1,257.74*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,438.45	312.33
		For Lexan Lattice Pattern, Add	*832.02*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,089.78	381.73
		For Lexan Lattice Pattern, Add	*1,050.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,063.72	104.11
		For Lexan Lattice Pattern, Add	*264.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*308.61*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,123.00	104.11
		For Lexan Lattice Pattern, Add	*273.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*373.53*	
		For Staggered Brick Pattern, Add	*452.64*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,579.85	130.13
		For Lexan Lattice Pattern, Add	*331.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.03*	
		For Staggered Brick Pattern, Add	*596.67*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,470.99	130.13
		For Lexan Lattice Pattern, Add	*464.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,818.07	208.21
		For Lexan Lattice Pattern, Add	*633.33*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.06*	
		For Staggered Brick Pattern, Add	*1,230.04*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,087.74	260.27
		For Lexan Lattice Pattern, Add	*801.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.09*	
		For Staggered Brick Pattern, Add	*1,575.33*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,385.62	312.33
		For Lexan Lattice Pattern, Add	*974.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,217.42	381.73
		For Lexan Lattice Pattern, Add	*1,219.54*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,430.02	104.11
		For Lexan Lattice Pattern, Add	*319.92*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*290.41*	
		For Staggered Brick Pattern, Add	*570.82*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,829.95	104.11
		For Lexan Lattice Pattern, Add	*379.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*435.71*	
		For Staggered Brick Pattern, Add	*700.89*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,308.13	130.13
		For Lexan Lattice Pattern, Add	*440.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*580.99*	
		For Staggered Brick Pattern, Add	*816.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,148.26	130.13
		For Lexan Lattice Pattern, Add	*566.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,516.64	208.21
		For Lexan Lattice Pattern, Add	*738.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,162.09*	
		For Staggered Brick Pattern, Add	*1,384.53*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,806.53	260.27
		For Lexan Lattice Pattern, Add	*909.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,452.60*	
		For Staggered Brick Pattern, Add	*1,734.14*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,131.90	312.33
		For Lexan Lattice Pattern, Add	*1,086.04*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,433.18	381.73
		For Lexan Lattice Pattern, Add	*1,401.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	65.30	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	2,478.96	291.11
		For Lexan Lattice Pattern, Add	*247.07*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.04*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,486.90	373.94
		For Lexan Lattice Pattern, Add	*362.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*763.94*	
		For Staggered Brick Pattern, Add	*870.03*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,523.64	471.51
		For Lexan Lattice Pattern, Add	*476.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	5,458.47	520.54
		For Lexan Lattice Pattern, Add	*595.59*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	3,005.76	331.91
		For Lexan Lattice Pattern, Add	*308.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,243.56	426.30
		For Lexan Lattice Pattern, Add	*453.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*916.85*	
		For Staggered Brick Pattern, Add	*1,086.56*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,434.21	537.35
		For Lexan Lattice Pattern, Add	*584.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	6,664.27	593.42
		For Lexan Lattice Pattern, Add	*744.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	3,538.15	373.94
		For Lexan Lattice Pattern, Add	*370.46*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	5,001.18	480.29
		For Lexan Lattice Pattern, Add	*543.61*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,103.00*	
		For Staggered Brick Pattern, Add	*1,348.99*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,486.10	605.57
		For Lexan Lattice Pattern, Add	*714.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	7,865.60	668.03
		For Lexan Lattice Pattern, Add	*893.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	4,068.09	413.46
		For Lexan Lattice Pattern, Add	*433.16*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,760.61	530.95
		For Lexan Lattice Pattern, Add	*634.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,260.60*	
		For Staggered Brick Pattern, Add	*1,498.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,465.60	669.42
		For Lexan Lattice Pattern, Add	*833.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	9,056.36	739.17
		For Lexan Lattice Pattern, Add	*1,041.75*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,514.37	594.09
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*296.47*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	8,363.30	754.20
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*377.10*	

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,235.43	474.47
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,898.70	535.03
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,613.74	705.10
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	4,546.63	431.10

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	2,577.93	280.42

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,028.38	91.90
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,297.20	96.03
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,363.09	98.09
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,531.75	100.16
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,802.09	105.32
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,844.15	102.89
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,064.71	105.32
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,159.67	107.75
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,385.94	110.17
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,766.32	116.36

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,226.66	102.89
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,317.43	110.17
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,986.84	122.56
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,072.47	122.56

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,833.35	91.90
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,159.26	96.03
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,367.88	98.09
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,707.81	100.16
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,126.60	105.32

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,140.10	102.89
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,258.49	110.17
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,092.54	122.56
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,732.87	122.56

08 34 23 00-0029 Single Leaf Steel Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,771.72	91.90
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,866.06	96.03
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,092.89	98.09
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,360.40	100.16
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,768.14	105.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,615.38	102.89
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,985.10	105.32
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,975.16	107.75
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,344.89	110.17
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,571.13	116.36
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,266.24	102.89
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,419.47	110.17
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,292.31	122.56
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,427.91	122.56
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,188.71	91.90
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,364.41	96.03
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,489.55	98.09
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,150.29	100.16
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,924.15	105.32
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,449.35	102.89
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,083.95	110.17
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,146.68	122.56
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	8,895.83	122.56
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)*		
		Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,864.70	91.90
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,690.46	96.03
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,004.62	98.09
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,324.78	100.16
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	6,086.27	105.32
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,291.04	91.90
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,594.07	96.03
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,717.08	98.09
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,794.37	100.16
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,310.19	105.32
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,061.12	102.89
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,350.16	105.32
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,644.88	107.75
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,802.74	110.17
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,234.58	116.36
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,011.30	91.90
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,268.65	96.03
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,425.92	98.09
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,520.34	100.16
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,790.67	105.32
08 34 23 00-0080		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,711.94	102.89
08 34 23 00-0082		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,545.83	110.17
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,689.10	122.56
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,757.60	122.56
08 34 23 00-0086		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,165.44	91.90
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,382.83	96.03
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,483.01	98.09
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,640.23	100.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,950.53	105.32
08 34 23 00-0092		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,739.94	110.17
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,888.91	122.56
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,951.71	122.56
08 34 23 00-0096		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,161.58	91.90
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,303.33	96.03
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,503.07	98.09
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,594.29	100.16
08 34 23 00-0101		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0102	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,513.68	102.89
08 34 23 00-0103		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0104	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	924.46	116.10
08 34 23 00-0105	EA	30" High x 47" Wide x 58" Long, Basement Door	792.92	87.98
08 34 23 00-0106	EA	22" High x 51" Wide x 64" Long, Basement Door	819.97	96.75
08 34 23 00-0107	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	876.28	103.21
08 34 23 00-0108	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	968.51	116.10
08 34 49		**Radiation Shielding Doors and Frames** *(08 34)*		
08 34 49 13		**Neutron Shielding Doors and Frames** *(08 34 49)*		
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	119.09	5.16
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	150.94	5.16
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	135.25	5.16
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	145.87	5.16
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	616.74	37.18
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	616.74	37.18
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	887.93	37.18
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	644.75	98.64
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	723.65	110.97
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	775.43	123.30
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	854.33	135.63
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	742.07	99.87
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	793.96	112.20
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	870.35	124.53
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	924.88	136.86
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	785.20	101.11
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	836.95	113.43
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	883.23	119.60
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	929.62	125.76
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	988.18	138.10
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	869.09	102.34
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	920.67	114.67
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	973.70	120.84
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,040.69	127.01
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,132.91	139.33
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	996.11	104.81
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,063.69	118.37
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,146.25	125.76
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,194.86	129.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0024		**Pivoting Single Folding Gate** *(08 34 56)* Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	436.42	69.05
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	468.46	71.52
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	500.52	73.98
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	537.51	78.91
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	560.93	83.85
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	468.39	71.52
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	500.55	73.98
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	532.60	76.45
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	569.57	81.38
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	593.10	86.31
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	514.00	73.98
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	546.16	76.45
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	578.17	78.91
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	615.22	83.85
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	652.33	88.78
08 34 56 00-0040		**Window Gates, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	178.03	27.12
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	182.96	29.60
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	182.96	29.60
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	188.44	32.06
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	188.44	32.06
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	193.37	34.52
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	193.37	34.52
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	198.30	36.99
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	198.30	36.99
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	203.23	39.46
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	203.23	39.46
08 34 56 00-0052		**Pivoting Door Gate, Expands From 2' To 4'** *(08 34 56)* Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	208.17	41.92
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	209.82	41.92
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	216.95	44.39
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	224.07	46.85
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	226.27	46.85
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	233.40	49.32
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	235.59	49.32
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	242.04	51.79
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	244.92	51.79
08 34 73		**Sound Control Door Assemblies** *(08 34)*		
08 34 73 13		**Metal Sound Control Door Assemblies** *(08 34 73)*		
08 34 73 13-0001		**Steel Acoustical Door Assembly** *(08 34 73 13)* Note: Includes seal.		
08 34 73 13-0002		**Steel Acoustical Doors** *(08 34 73 13-0001)* Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2108 for exit devices (panic bar).		
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,395.61	92.89
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*586.67*	
		For 45 Minutes Fire Rated, Add	*247.02*	
		For 60 Minutes Fire Rated, Add	*370.53*	
		For 90 Minutes Fire Rated, Add	*617.54*	
		For 120 Minutes Fire Rated, Add	*864.56*	
		For 45 STC Rating, Deduct	*-1,033.36*	
		For 48 STC Rating, Deduct	*-741.05*	
		For 52 STC Rating, Add	*576.37*	
		For 56 STC Rating, Add	*1,564.44*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.	4,655.90	96.75
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*622.10*	
		For 45 Minutes Fire Rated, Add	*261.94*	
		For 60 Minutes Fire Rated, Add	*392.91*	
		For 90 Minutes Fire Rated, Add	*654.85*	
		For 120 Minutes Fire Rated, Add	*916.78*	
		For 45 STC Rating, Deduct	*-1,095.78*	
		For 48 STC Rating, Deduct	*-785.82*	
		For 52 STC Rating, Add	*611.19*	
		For 56 STC Rating, Add	*1,658.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,927.79	104.50
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*657.54*	
		For 45 Minutes Fire Rated, Add	*276.86*	
		For 60 Minutes Fire Rated, Add	*415.29*	
		For 90 Minutes Fire Rated, Add	*692.15*	
		For 120 Minutes Fire Rated, Add	*969.01*	
		For 45 STC Rating, Deduct	*-1,158.19*	
		For 48 STC Rating, Deduct	*-830.58*	
		For 52 STC Rating, Add	*646.00*	
		For 56 STC Rating, Add	*1,753.44*	
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated	8,763.35	176.47
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,173.33*	
		For 45 Minutes Fire Rated, Add	*494.04*	
		For 60 Minutes Fire Rated, Add	*741.05*	
		For 90 Minutes Fire Rated, Add	*1,235.09*	
		For 120 Minutes Fire Rated, Add	*1,729.12*	
		For 45 STC Rating, Deduct	*-2,066.71*	
		For 48 STC Rating, Deduct	*-1,482.11*	
		For 52 STC Rating, Add	*1,152.75*	
		For 56 STC Rating, Add	*3,128.89*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	9,265.35	178.03
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,244.21*	
		For 45 Minutes Fire Rated, Add	*523.88*	
		For 60 Minutes Fire Rated, Add	*785.81*	
		For 90 Minutes Fire Rated, Add	*1,309.69*	
		For 120 Minutes Fire Rated, Add	*1,833.57*	
		For 45 STC Rating, Deduct	*-2,191.55*	
		For 48 STC Rating, Deduct	*-1,571.63*	
		For 52 STC Rating, Add	*1,222.38*	
		For 56 STC Rating, Add	*3,317.88*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	4,965.33	58.31
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*665.87*	
		For 45 Minutes Fire Rated, Add	*280.37*	
		For 60 Minutes Fire Rated, Add	*420.55*	
		For 90 Minutes Fire Rated, Add	*700.91*	
		For 120 Minutes Fire Rated, Add	*981.28*	
		For 45 STC Rating, Deduct	*-1,172.86*	
		For 48 STC Rating, Deduct	*-841.10*	
		For 52 STC Rating, Add	*654.19*	
		For 56 STC Rating, Add	*1,775.65*	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,259.45	101.65
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*706.09*	
		For 45 Minutes Fire Rated, Add	*297.30*	
		For 60 Minutes Fire Rated, Add	*445.95*	
		For 90 Minutes Fire Rated, Add	*743.25*	
		For 120 Minutes Fire Rated, Add	*1,040.55*	
		For 45 STC Rating, Deduct	*-1,243.71*	
		For 48 STC Rating, Deduct	*-891.90*	
		For 52 STC Rating, Add	*693.70*	
		For 56 STC Rating, Add	*1,882.90*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,566.46	109.92
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*746.31*	
		For 45 Minutes Fire Rated, Add	*314.23*	
		For 60 Minutes Fire Rated, Add	*471.35*	
		For 90 Minutes Fire Rated, Add	*785.59*	
		For 120 Minutes Fire Rated, Add	*1,099.82*	
		For 45 STC Rating, Deduct	*-1,314.55*	
		For 48 STC Rating, Deduct	*-942.70*	
		For 52 STC Rating, Add	*733.21*	
		For 56 STC Rating, Add	*1,990.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated	9,345.46	185.25
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,252.53*	
		For 45 Minutes Fire Rated, Add	*527.38*	
		For 60 Minutes Fire Rated, Add	*791.07*	
		For 90 Minutes Fire Rated, Add	*1,318.46*	
		For 120 Minutes Fire Rated, Add	*1,845.84*	
		For 45 STC Rating, Deduct	*-2,206.22*	
		For 48 STC Rating, Deduct	*-1,582.15*	
		For 52 STC Rating, Add	*1,230.56*	
		For 56 STC Rating, Add	*3,340.09*	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	9,881.54	186.79
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,328.19*	
		For 45 Minutes Fire Rated, Add	*559.24*	
		For 60 Minutes Fire Rated, Add	*838.86*	
		For 90 Minutes Fire Rated, Add	*1,398.09*	
		For 120 Minutes Fire Rated, Add	*1,957.33*	
		For 45 STC Rating, Deduct	*-2,339.48*	
		For 48 STC Rating, Deduct	*-1,677.71*	
		For 52 STC Rating, Add	*1,304.89*	
		For 56 STC Rating, Add	*3,541.84*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,110.16	51.60
		For 8' Height, Add	*333.93*	
		For 45 Minutes Fire Rated, Add	*203.26*	
		For 60 Minutes Fire Rated, Add	*348.45*	
		For 90 Minutes Fire Rated, Add	*493.64*	
		For 120 Minutes Fire Rated, Add	*696.90*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,192.42	51.60
		For 8' Height, Add	*343.39*	
		For 45 Minutes Fire Rated, Add	*209.02*	
		For 60 Minutes Fire Rated, Add	*358.32*	
		For 90 Minutes Fire Rated, Add	*507.62*	
		For 120 Minutes Fire Rated, Add	*716.64*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,274.67	51.60
		For 8' Height, Add	*352.85*	
		For 45 Minutes Fire Rated, Add	*214.78*	
		For 60 Minutes Fire Rated, Add	*368.19*	
		For 90 Minutes Fire Rated, Add	*521.61*	
		For 120 Minutes Fire Rated, Add	*736.38*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,356.93	51.60
		For 8' Height, Add	*362.31*	
		For 45 Minutes Fire Rated, Add	*220.54*	
		For 60 Minutes Fire Rated, Add	*378.06*	
		For 90 Minutes Fire Rated, Add	*535.59*	
		For 120 Minutes Fire Rated, Add	*756.13*	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,559.29	56.76
		For 8' Height, Add	*383.21*	
		For 45 Minutes Fire Rated, Add	*233.26*	
		For 60 Minutes Fire Rated, Add	*399.87*	
		For 90 Minutes Fire Rated, Add	*566.48*	
		For 120 Minutes Fire Rated, Add	*799.74*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,651.11	56.76
		For 8' Height, Add	*393.77*	
		For 45 Minutes Fire Rated, Add	*239.68*	
		For 60 Minutes Fire Rated, Add	*410.89*	
		For 90 Minutes Fire Rated, Add	*582.09*	
		For 120 Minutes Fire Rated, Add	*821.78*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,733.36	56.76
		For 8' Height, Add	*403.23*	
		For 45 Minutes Fire Rated, Add	*245.44*	
		For 60 Minutes Fire Rated, Add	*420.76*	
		For 90 Minutes Fire Rated, Add	*596.07*	
		For 120 Minutes Fire Rated, Add	*841.52*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,835.38	56.76
		For 8' Height, Add	*414.96*	
		For 45 Minutes Fire Rated, Add	*252.58*	
		For 60 Minutes Fire Rated, Add	*433.00*	
		For 90 Minutes Fire Rated, Add	*613.42*	
		For 120 Minutes Fire Rated, Add	*866.00*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,019.14	59.35
		For 8' Height, Add	*434.90*	
		For 45 Minutes Fire Rated, Add	*264.72*	
		For 60 Minutes Fire Rated, Add	*453.81*	
		For 90 Minutes Fire Rated, Add	*642.90*	
		For 120 Minutes Fire Rated, Add	*907.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,101.39	59.35
		For 8' Height, Add	*444.36*	
		For 45 Minutes Fire Rated, Add	*270.48*	
		For 60 Minutes Fire Rated, Add	*463.68*	
		For 90 Minutes Fire Rated, Add	*656.89*	
		For 120 Minutes Fire Rated, Add	*927.37*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,183.65	59.35
		For 8' Height, Add	*453.82*	
		For 45 Minutes Fire Rated, Add	*276.24*	
		For 60 Minutes Fire Rated, Add	*473.55*	
		For 90 Minutes Fire Rated, Add	*670.87*	
		For 120 Minutes Fire Rated, Add	*947.11*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,275.47	59.35
		For 8' Height, Add	*464.38*	
		For 45 Minutes Fire Rated, Add	*282.67*	
		For 60 Minutes Fire Rated, Add	*484.57*	
		For 90 Minutes Fire Rated, Add	*686.48*	
		For 120 Minutes Fire Rated, Add	*969.15*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,150.90	67.08
		For 8' Height, Add	*791.50*	
		For 45 Minutes Fire Rated, Add	*481.78*	
		For 60 Minutes Fire Rated, Add	*825.91*	
		For 90 Minutes Fire Rated, Add	*1,170.04*	
		For 120 Minutes Fire Rated, Add	*1,651.82*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,229.33	67.08
		For 8' Height, Add	*800.52*	
		For 45 Minutes Fire Rated, Add	*487.27*	
		For 60 Minutes Fire Rated, Add	*835.32*	
		For 90 Minutes Fire Rated, Add	*1,183.37*	
		For 120 Minutes Fire Rated, Add	*1,670.64*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,313.50	67.08
		For 8' Height, Add	*810.19*	
		For 45 Minutes Fire Rated, Add	*493.16*	
		For 60 Minutes Fire Rated, Add	*845.42*	
		For 90 Minutes Fire Rated, Add	*1,197.68*	
		For 120 Minutes Fire Rated, Add	*1,690.84*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,399.58	67.08
		For 8' Height, Add	*820.09*	
		For 45 Minutes Fire Rated, Add	*499.19*	
		For 60 Minutes Fire Rated, Add	*855.75*	
		For 90 Minutes Fire Rated, Add	*1,212.31*	
		For 120 Minutes Fire Rated, Add	*1,711.50*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,677.41	69.67
		For 8' Height, Add	*850.86*	
		For 45 Minutes Fire Rated, Add	*517.91*	
		For 60 Minutes Fire Rated, Add	*887.85*	
		For 90 Minutes Fire Rated, Add	*1,257.79*	
		For 120 Minutes Fire Rated, Add	*1,775.70*	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,761.72	69.67
		For 8' Height, Add	*860.55*	
		For 45 Minutes Fire Rated, Add	*523.81*	
		For 60 Minutes Fire Rated, Add	*897.97*	
		For 90 Minutes Fire Rated, Add	*1,272.12*	
		For 120 Minutes Fire Rated, Add	*1,795.94*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,852.20	69.67
		For 8' Height, Add	*870.96*	
		For 45 Minutes Fire Rated, Add	*530.15*	
		For 60 Minutes Fire Rated, Add	*908.83*	
		For 90 Minutes Fire Rated, Add	*1,287.50*	
		For 120 Minutes Fire Rated, Add	*1,817.65*	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,944.74	69.67
		For 8' Height, Add	*881.60*	
		For 45 Minutes Fire Rated, Add	*536.63*	
		For 60 Minutes Fire Rated, Add	*919.93*	
		For 90 Minutes Fire Rated, Add	*1,303.24*	
		For 120 Minutes Fire Rated, Add	*1,839.86*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,432.80	51.60
		For 8' Height, Add	*371.04*	
		For 45 Minutes Fire Rated, Add	*225.85*	
		For 60 Minutes Fire Rated, Add	*387.17*	
		For 90 Minutes Fire Rated, Add	*548.49*	
		For 120 Minutes Fire Rated, Add	*774.34*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,524.20	51.60
		For 8' Height, Add	*381.55*	
		For 45 Minutes Fire Rated, Add	*232.25*	
		For 60 Minutes Fire Rated, Add	*398.14*	
		For 90 Minutes Fire Rated, Add	*564.03*	
		For 120 Minutes Fire Rated, Add	*796.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,615.59	51.60
		For 8' Height, Add	*392.06*	
		For 45 Minutes Fire Rated, Add	*238.64*	
		For 60 Minutes Fire Rated, Add	*409.10*	
		For 90 Minutes Fire Rated, Add	*579.56*	
		For 120 Minutes Fire Rated, Add	*818.21*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,706.98	51.60
		For 8' Height, Add	*402.57*	
		For 45 Minutes Fire Rated, Add	*245.04*	
		For 60 Minutes Fire Rated, Add	*420.07*	
		For 90 Minutes Fire Rated, Add	*595.10*	
		For 120 Minutes Fire Rated, Add	*840.14*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,929.54	56.76
		For 8' Height, Add	*425.79*	
		For 45 Minutes Fire Rated, Add	*259.18*	
		For 60 Minutes Fire Rated, Add	*444.30*	
		For 90 Minutes Fire Rated, Add	*629.43*	
		For 120 Minutes Fire Rated, Add	*888.60*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,031.56	56.76
		For 8' Height, Add	*437.52*	
		For 45 Minutes Fire Rated, Add	*266.32*	
		For 60 Minutes Fire Rated, Add	*456.54*	
		For 90 Minutes Fire Rated, Add	*646.77*	
		For 120 Minutes Fire Rated, Add	*913.08*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,122.96	56.76
		For 8' Height, Add	*448.03*	
		For 45 Minutes Fire Rated, Add	*272.71*	
		For 60 Minutes Fire Rated, Add	*467.51*	
		For 90 Minutes Fire Rated, Add	*662.31*	
		For 120 Minutes Fire Rated, Add	*935.02*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,236.31	56.76
		For 8' Height, Add	*461.07*	
		For 45 Minutes Fire Rated, Add	*280.65*	
		For 60 Minutes Fire Rated, Add	*481.11*	
		For 90 Minutes Fire Rated, Add	*681.58*	
		For 120 Minutes Fire Rated, Add	*962.22*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,439.34	59.35
		For 8' Height, Add	*483.23*	
		For 45 Minutes Fire Rated, Add	*294.14*	
		For 60 Minutes Fire Rated, Add	*504.24*	
		For 90 Minutes Fire Rated, Add	*714.34*	
		For 120 Minutes Fire Rated, Add	*1,008.48*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,530.73	59.35
		For 8' Height, Add	*493.74*	
		For 45 Minutes Fire Rated, Add	*300.54*	
		For 60 Minutes Fire Rated, Add	*515.20*	
		For 90 Minutes Fire Rated, Add	*729.87*	
		For 120 Minutes Fire Rated, Add	*1,030.41*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,622.12	59.35
		For 8' Height, Add	*504.25*	
		For 45 Minutes Fire Rated, Add	*306.93*	
		For 60 Minutes Fire Rated, Add	*526.17*	
		For 90 Minutes Fire Rated, Add	*745.41*	
		For 120 Minutes Fire Rated, Add	*1,052.34*	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,724.14	59.35
		For 8' Height, Add	*515.98*	
		For 45 Minutes Fire Rated, Add	*314.07*	
		For 60 Minutes Fire Rated, Add	*538.41*	
		For 90 Minutes Fire Rated, Add	*762.75*	
		For 120 Minutes Fire Rated, Add	*1,076.83*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,915.63	67.08
		For 8' Height, Add	*879.44*	
		For 45 Minutes Fire Rated, Add	*535.31*	
		For 60 Minutes Fire Rated, Add	*917.68*	
		For 90 Minutes Fire Rated, Add	*1,300.04*	
		For 120 Minutes Fire Rated, Add	*1,835.35*	
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,002.77	67.08
		For 8' Height, Add	*889.46*	
		For 45 Minutes Fire Rated, Add	*541.41*	
		For 60 Minutes Fire Rated, Add	*928.13*	
		For 90 Minutes Fire Rated, Add	*1,314.85*	
		For 120 Minutes Fire Rated, Add	*1,856.27*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,096.29	67.08
		For 8' Height, Add	*900.22*	
		For 45 Minutes Fire Rated, Add	*547.96*	
		For 60 Minutes Fire Rated, Add	*939.36*	
		For 90 Minutes Fire Rated, Add	*1,330.75*	
		For 120 Minutes Fire Rated, Add	*1,878.71*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,191.94	67.08
		For 8' Height, Add	*911.22*	
		For 45 Minutes Fire Rated, Add	*554.65*	
		For 60 Minutes Fire Rated, Add	*950.83*	
		For 90 Minutes Fire Rated, Add	*1,347.01*	
		For 120 Minutes Fire Rated, Add	*1,901.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,499.50	69.67
		For 8' Height, Add	*945.40*	
		For 45 Minutes Fire Rated, Add	*575.46*	
		For 60 Minutes Fire Rated, Add	*986.50*	
		For 90 Minutes Fire Rated, Add	*1,397.54*	
		For 120 Minutes Fire Rated, Add	*1,973.00*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,593.18	69.67
		For 8' Height, Add	*956.17*	
		For 45 Minutes Fire Rated, Add	*582.02*	
		For 60 Minutes Fire Rated, Add	*997.74*	
		For 90 Minutes Fire Rated, Add	*1,413.47*	
		For 120 Minutes Fire Rated, Add	*1,995.49*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,693.71	69.67
		For 8' Height, Add	*967.73*	
		For 45 Minutes Fire Rated, Add	*589.05*	
		For 60 Minutes Fire Rated, Add	*1,009.81*	
		For 90 Minutes Fire Rated, Add	*1,430.56*	
		For 120 Minutes Fire Rated, Add	*2,019.61*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,796.53	69.67
		For 8' Height, Add	*979.56*	
		For 45 Minutes Fire Rated, Add	*596.25*	
		For 60 Minutes Fire Rated, Add	*1,022.15*	
		For 90 Minutes Fire Rated, Add	*1,448.04*	
		For 120 Minutes Fire Rated, Add	*2,044.29*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,395.76	144.49
		For 8' Height, Add	*172.76*	
		For 2-1/4" Thick, Add	*164.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,613.71	144.49
		For 8' Height, Add	*190.63*	
		For 2-1/4" Thick, Add	*181.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,734.79	144.49
		For 8' Height, Add	*200.56*	
		For 2-1/4" Thick, Add	*190.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,855.87	144.49
		For 8' Height, Add	*210.49*	
		For 2-1/4" Thick, Add	*200.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,388.62	144.49
		For 8' Height, Add	*254.17*	
		For 2-1/4" Thick, Add	*241.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	4,550.99	144.49
		For 8' Height, Add	*349.49*	
		For 2-1/4" Thick, Add	*332.44*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	4,776.19	144.49
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*367.95*	
		For 2-1/4" Thick, Add	*350.00*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,350.05	144.49
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*415.01*	
		For 2-1/4" Thick, Add	*394.76*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	5,677.03	144.49
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*441.82*	
		For 2-1/4" Thick, Add	*420.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0011	EA	3' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,013.03	144.49
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*469.37*	
		For 2-1/4" Thick, Add	*446.48*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0012	EA	3' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,349.02	144.49
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*496.92*	
		For 2-1/4" Thick, Add	*472.68*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0013	EA	3' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	7,474.32	144.49
		For 8' Height, Add	*589.20*	
		For 2-1/4" Thick, Add	*560.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0014	EA	3' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	7,969.01	144.49
		For 8' Height, Add	*629.76*	
		For 2-1/4" Thick, Add	*599.04*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0015	EA	3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,336.55	144.49
		For 8' Height, Add	*659.90*	
		For 2-1/4" Thick, Add	*627.71*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0016	EA	3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,564.09	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*185.71*	
		For 2-1/4" Thick, Add	*176.65*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0017	EA	3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	2,798.38	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*204.93*	
		For 2-1/4" Thick, Add	*194.93*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0018	EA	3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	2,928.54	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*215.60*	
		For 2-1/4" Thick, Add	*205.08*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0019	EA	3'-6" x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,058.70	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*226.27*	
		For 2-1/4" Thick, Add	*215.23*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0020	EA	3'-6" x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	3,631.41	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*273.23*	
		For 2-1/4" Thick, Add	*259.91*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0021	EA	3'-6" x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	4,880.96	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*375.70*	
		For 2-1/4" Thick, Add	*357.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0022	EA	3'-6" x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	5,123.06	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*395.55*	
		For 2-1/4" Thick, Add	*376.25*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0023	EA	3'-6" x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,739.95	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*446.13*	
		For 2-1/4" Thick, Add	*424.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0024	EA	3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,091.45	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*474.96*	
		For 2-1/4" Thick, Add	*451.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0025	EA	3'-6" x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,452.65	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*504.58*	
		For 2-1/4" Thick, Add	*479.96*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0026	EA	3'-6" x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,813.85	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*534.19*	
		For 2-1/4" Thick, Add	*508.14*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0027	EA	3'-6" x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	8,023.54	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*633.39*	
		For 2-1/4" Thick, Add	*602.49*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0028	EA	3'-6" x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	8,555.33	149.64
		For 8' Height, Add	*677.00*	
		For 2-1/4" Thick, Add	*643.97*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0029	EA	3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,950.44	149.64
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*709.39*	
		For 2-1/4" Thick, Add	*674.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0030	EA	4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,943.10	154.81
		For 8' Height, Add	*215.95*	
		For 2-1/4" Thick, Add	*205.41*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0031	EA	4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,215.53	154.81
		For 8' Height, Add	*238.29*	
		For 2-1/4" Thick, Add	*226.66*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0032	EA	4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,366.88	154.81
		For 8' Height, Add	*250.70*	
		For 2-1/4" Thick, Add	*238.47*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0033	EA	4' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,518.23	154.81
		For 8' Height, Add	*263.11*	
		For 2-1/4" Thick, Add	*250.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0034	EA	4' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	4,184.17	154.81
		For 8' Height, Add	*317.71*	
		For 2-1/4" Thick, Add	*302.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0035	EA	4' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	5,637.13	154.81
		For 8' Height, Add	*436.86*	
		For 2-1/4" Thick, Add	*415.55*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0036	EA	4' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	5,918.64	154.81
		For 8' Height, Add	*459.94*	
		For 2-1/4" Thick, Add	*437.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0037	EA	4' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,635.96	154.81
		For 8' Height, Add	*518.76*	
		For 2-1/4" Thick, Add	*493.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0038	EA	4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	7,044.69	154.81
		For 8' Height, Add	*552.28*	
		For 2-1/4" Thick, Add	*525.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0039	EA	4' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	7,464.68	154.81
		For 8' Height, Add	*586.72*	
		For 2-1/4" Thick, Add	*558.10*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0040	EA	4' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	7,884.68	154.81
		For 8' Height, Add	*621.16*	
		For 2-1/4" Thick, Add	*590.86*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0041	EA	4' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	9,909.66	154.81
		For 8' Height, Add	*787.20*	
		For 2-1/4" Thick, Add	*748.80*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0042	EA	4' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	9,291.30	154.81
		For 8' Height, Add	*736.50*	
		For 2-1/4" Thick, Add	*700.57*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0043	EA	4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	10,369.09	154.81
		For 8' Height, Add	*824.88*	
		For 2-1/4" Thick, Add	*784.64*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

08 35 Folding Doors and Grilles *(08 30)*

08 35 13 Folding Doors *(08 35)*

08 35 13 13 Accordion Folding Doors *(08 35 13)*

08 35 13 13-0001 Accordion Folding Doors *(08 35 13 13)*
Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	90.62	5.16
		For Fire Retardant, Add	*21.49*	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	9.98	5.16
		For Fire Retardant, Add	*1.33*	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	35.24	5.16
		For Fire Retardant, Add	*7.65*	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	54.28	5.16
		For Fire Retardant, Add	*12.41*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1131 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	2,325.53	206.40
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	2,972.61	229.11
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	3,846.64	274.53
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	5,777.70	317.86
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	5,994.66	412.82
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	5,346.81	516.01
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	10,511.25	687.85

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,210.39	103.21
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*326.95*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,041.78	103.21
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*342.29*	
		For Each Glass Vision Panel In Door, Add	*50.00*	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*
Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*
Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,707.88	180.61
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*195.27*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*336.67*	
		For Aluminum, Mill Finish, Add	*153.52*	
		For Aluminum, Anodized Finish, Add	*429.59*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,038.56	206.40
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*235.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.44*	
		For Aluminum, Mill Finish, Add	*185.33*	
		For Aluminum, Anodized Finish, Add	*518.61*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,503.71	258.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*288.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*496.93*	
		For Aluminum, Mill Finish, Add	*226.60*	
		For Aluminum, Anodized Finish, Add	*634.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,914.27	206.40
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*217.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.36*	
		For Aluminum, Mill Finish, Add	*171.17*	
		For Aluminum, Anodized Finish, Add	*478.96*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,344.53	258.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*265.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*457.13*	
		For Aluminum, Mill Finish, Add	*208.45*	
		For Aluminum, Anodized Finish, Add	*583.30*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,907.10	335.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*324.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.07*	
		For Aluminum, Mill Finish, Add	*254.94*	
		For Aluminum, Anodized Finish, Add	*713.37*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,371.54	412.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*369.16*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*636.48*	
		For Aluminum, Mill Finish, Add	*290.23*	
		For Aluminum, Anodized Finish, Add	*812.15*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,239.90	258.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*249.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*430.97*	
		For Aluminum, Mill Finish, Add	*196.52*	
		For Aluminum, Anodized Finish, Add	*549.92*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,750.12	335.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.83*	
		For Aluminum, Mill Finish, Add	*237.04*	
		For Aluminum, Anodized Finish, Add	*663.30*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,343.17	412.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*365.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.39*	
		For Aluminum, Mill Finish, Add	*287.00*	
		For Aluminum, Anodized Finish, Add	*803.10*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,931.91	490.22
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*427.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.87*	
		For Aluminum, Mill Finish, Add	*336.47*	
		For Aluminum, Anodized Finish, Add	*941.52*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,659.44	593.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*503.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*868.15*	
		For Aluminum, Mill Finish, Add	*395.88*	
		For Aluminum, Anodized Finish, Add	*1,107.76*	
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,542.98	335.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*271.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.04*	
		For Aluminum, Mill Finish, Add	*213.43*	
		For Aluminum, Anodized Finish, Add	*597.22*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,127.32	412.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*333.75*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*575.43*	
		For Aluminum, Mill Finish, Add	*262.39*	
		For Aluminum, Anodized Finish, Add	*734.24*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,833.04	516.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*700.25*	
		For Aluminum, Mill Finish, Add	*319.32*	
		For Aluminum, Anodized Finish, Add	*893.52*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,426.13	593.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,134.77	670.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*550.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*948.28*	
		For Aluminum, Mill Finish, Add	*432.42*	
		For Aluminum, Anodized Finish, Add	*1,210.01*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,050.99	412.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*322.68*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*556.34*	
		For Aluminum, Mill Finish, Add	*253.69*	
		For Aluminum, Anodized Finish, Add	*709.89*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,752.36	516.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*394.45*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*680.08*	
		For Aluminum, Mill Finish, Add	*310.12*	
		For Aluminum, Anodized Finish, Add	*867.79*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,467.54	593.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*475.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*820.18*	
		For Aluminum, Mill Finish, Add	*374.00*	
		For Aluminum, Anodized Finish, Add	*1,046.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,461.84	670.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*597.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,030.05*	
		For Aluminum, Mill Finish, Add	*469.70*	
		For Aluminum, Anodized Finish, Add	*1,314.34*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,389.97	774.03
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*702.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,210.48*	
		For Aluminum, Mill Finish, Add	*551.98*	
		For Aluminum, Anodized Finish, Add	*1,544.57*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,920.28	516.01
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*722.06*	
		For Aluminum, Mill Finish, Add	*329.26*	
		For Aluminum, Anodized Finish, Add	*921.35*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,768.47	593.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.34*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*895.41*	
		For Aluminum, Mill Finish, Add	*408.31*	
		For Aluminum, Anodized Finish, Add	*1,142.54*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,941.53	670.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*666.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,149.97*	
		For Aluminum, Mill Finish, Add	*524.39*	
		For Aluminum, Anodized Finish, Add	*1,467.36*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,871.86	774.03
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*771.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.95*	
		For Aluminum, Mill Finish, Add	*606.91*	
		For Aluminum, Anodized Finish, Add	*1,698.29*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,937.39	877.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*896.52*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,545.73*	
		For Aluminum, Mill Finish, Add	*704.85*	
		For Aluminum, Anodized Finish, Add	*1,972.35*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,426.13	593.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,274.32	670.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*983.17*	
		For Aluminum, Mill Finish, Add	*448.33*	
		For Aluminum, Anodized Finish, Add	*1,254.52*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,703.97	774.03
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*747.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,288.98*	
		For Aluminum, Mill Finish, Add	*587.77*	
		For Aluminum, Anodized Finish, Add	*1,644.74*	
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,634.30	877.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*852.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,469.96*	
		For Aluminum, Mill Finish, Add	*670.30*	
		For Aluminum, Anodized Finish, Add	*1,875.67*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,798.75	980.43
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,136.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,959.47*	
		For Aluminum, Mill Finish, Add	*893.52*	
		For Aluminum, Anodized Finish, Add	*2,500.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,890.55	670.82
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*514.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.23*	
		For Aluminum, Mill Finish, Add	*404.58*	
		For Aluminum, Anodized Finish, Add	*1,132.10*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,235.19	774.03
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*679.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,171.78*	
		For Aluminum, Mill Finish, Add	*534.33*	
		For Aluminum, Anodized Finish, Add	*1,495.19*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,536.18	877.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*838.35*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,445.43*	
		For Aluminum, Mill Finish, Add	*659.11*	
		For Aluminum, Anodized Finish, Add	*1,844.37*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,094.46	980.43
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,034.37*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,783.40*	
		For Aluminum, Mill Finish, Add	*813.23*	
		For Aluminum, Anodized Finish, Add	*2,275.62*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,336.57	1,083.64
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,184.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,042.33*	
		For Aluminum, Mill Finish, Add	*931.30*	
		For Aluminum, Anodized Finish, Add	*2,606.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,308.50	774.03
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*545.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*940.11*	
		For Aluminum, Mill Finish, Add	*428.69*	
		For Aluminum, Anodized Finish, Add	*1,199.58*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,720.67	877.23
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*720.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,241.55*	
		For Aluminum, Mill Finish, Add	*566.15*	
		For Aluminum, Anodized Finish, Add	*1,584.22*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,510.10	980.43
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.64*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,637.31*	
		For Aluminum, Mill Finish, Add	*746.61*	
		For Aluminum, Anodized Finish, Add	*2,089.20*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,560.34	1,083.64
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,072.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,848.27*	
		For Aluminum, Mill Finish, Add	*842.81*	
		For Aluminum, Anodized Finish, Add	*2,358.39*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,841.71	1,186.83
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,227.87*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,117.01*	
		For Aluminum, Mill Finish, Add	*965.36*	
		For Aluminum, Anodized Finish, Add	*2,701.30*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,349.55	180.61
		For Aluminum, Mill Finish, Add	*226.67*	
		For Aluminum, Anodized Finish, Add	*634.28*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*248.54*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*497.09*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,292.42*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,485.43*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,835.02	206.40
		For Aluminum, Mill Finish, Add	*276.13*	
		For Aluminum, Anodized Finish, Add	*772.68*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*302.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*605.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,574.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,027.75*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,464.55	258.01
		For Aluminum, Mill Finish, Add	*336.13*	
		For Aluminum, Anodized Finish, Add	*940.58*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*368.57*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,916.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,685.68*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,746.57	206.40
		For Aluminum, Mill Finish, Add	*266.05*	
		For Aluminum, Anodized Finish, Add	*744.47*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*291.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*583.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,516.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,917.19*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,355.60	258.01
		For Aluminum, Mill Finish, Add	*323.71*	
		For Aluminum, Anodized Finish, Add	*905.83*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*354.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*709.90*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,845.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,549.49*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,236.20	335.41
		For Aluminum, Mill Finish, Add	*406.45*	
		For Aluminum, Anodized Finish, Add	*1,137.36*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*445.67*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*891.35*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,317.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,456.73*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,822.80	412.82
		For Aluminum, Mill Finish, Add	*455.68*	
		For Aluminum, Anodized Finish, Add	*1,275.10*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*499.65*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*999.30*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,598.17*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,996.48*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,189.05	258.01
		For Aluminum, Mill Finish, Add	*304.73*	
		For Aluminum, Anodized Finish, Add	*852.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*334.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*668.26*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,737.48*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,341.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,921.63	335.41
		For Aluminum, Mill Finish, Add	*370.59*	
		For Aluminum, Anodized Finish, Add	*1,037.01*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.35*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*812.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,113.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,063.51*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,767.30	412.82
		For Aluminum, Mill Finish, Add	*449.35*	
		For Aluminum, Anodized Finish, Add	*1,257.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.71*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*985.42*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,562.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.10*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,545.11	490.22
		For Aluminum, Mill Finish, Add	*520.37*	
		For Aluminum, Anodized Finish, Add	*1,456.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.59*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,141.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,967.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,705.85*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,738.45	593.42
		For Aluminum, Mill Finish, Add	*632.88*	
		For Aluminum, Anodized Finish, Add	*1,770.97*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*693.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,387.91*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,608.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,939.53*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,676.95	335.41
		For Aluminum, Mill Finish, Add	*342.70*	
		For Aluminum, Anodized Finish, Add	*958.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.77*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*751.53*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,953.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,757.66*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,571.96	412.82
		For Aluminum, Mill Finish, Add	*427.08*	
		For Aluminum, Anodized Finish, Add	*1,195.08*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.29*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*936.59*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,435.12*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,682.93*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,508.30	516.01
		For Aluminum, Mill Finish, Add	*510.29*	
		For Aluminum, Anodized Finish, Add	*1,427.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,119.07*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,909.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,595.34*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,549.28	593.42
		For Aluminum, Mill Finish, Add	*611.32*	
		For Aluminum, Anodized Finish, Add	*1,710.62*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,340.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,485.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,703.06*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,557.39	670.82
		For Aluminum, Mill Finish, Add	*708.60*	
		For Aluminum, Anodized Finish, Add	*1,982.82*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*776.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,553.94*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,040.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,769.69*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,360.18	412.82
		For Aluminum, Mill Finish, Add	*402.94*	
		For Aluminum, Anodized Finish, Add	*1,127.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*441.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*883.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,297.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,418.20*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,672.79	516.01
		For Aluminum, Mill Finish, Add	*529.05*	
		For Aluminum, Anodized Finish, Add	*1,480.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.10*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,016.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,800.95*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,660.32	593.42
		For Aluminum, Mill Finish, Add	*623.98*	
		For Aluminum, Anodized Finish, Add	*1,746.04*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*684.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,368.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,557.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,841.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,656.07	670.82
		For Aluminum, Mill Finish, Add	*719.85*	
		For Aluminum, Anodized Finish, Add	*2,014.30*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*789.30*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,578.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,104.38*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,893.04*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,129.07	774.03
		For Aluminum, Mill Finish, Add	*864.24*	
		For Aluminum, Anodized Finish, Add	*2,418.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*947.63*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,895.25*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.66*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,476.26*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,874.99	516.01
		For Aluminum, Mill Finish, Add	*438.10*	
		For Aluminum, Anodized Finish, Add	*1,225.90*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*480.37*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*960.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,497.92*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,803.70*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,222.35	593.42
		For Aluminum, Mill Finish, Add	*574.05*	
		For Aluminum, Anodized Finish, Add	*1,606.33*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.44*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,258.88*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,273.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,294.40*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,294.18	670.82
		For Aluminum, Mill Finish, Add	*678.59*	
		For Aluminum, Anodized Finish, Add	*1,898.86*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*744.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,488.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,869.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,440.68*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,338.80	774.03
		For Aluminum, Mill Finish, Add	*888.14*	
		For Aluminum, Anodized Finish, Add	*2,485.25*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*973.84*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,947.69*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,063.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,738.43*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,118.87	877.23
		For Aluminum, Mill Finish, Add	*953.54*	
		For Aluminum, Anodized Finish, Add	*2,668.24*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,045.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,091.10*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,436.86*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,455.50*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,183.28	593.42
		For Aluminum, Mill Finish, Add	*569.60*	
		For Aluminum, Anodized Finish, Add	*1,593.87*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*624.56*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,249.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,247.69*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,245.56*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,384.68	670.82
		For Aluminum, Mill Finish, Add	*688.91*	
		For Aluminum, Anodized Finish, Add	*1,927.73*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*755.38*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,510.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,927.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,553.80*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,760.29	774.03
		For Aluminum, Mill Finish, Add	*936.19*	
		For Aluminum, Anodized Finish, Add	*2,619.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,026.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,053.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,337.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,265.29*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,495.13	877.23
		For Aluminum, Mill Finish, Add	*996.44*	
		For Aluminum, Anodized Finish, Add	*2,788.27*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,092.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,185.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,681.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,925.83*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,340.28	980.43
		For Aluminum, Mill Finish, Add	*1,183.25*	
		For Aluminum, Anodized Finish, Add	*3,311.03*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,297.43*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,594.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,746.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,974.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,708.20	670.82
		For Aluminum, Mill Finish, Add	*611.79*	
		For Aluminum, Anodized Finish, Add	*1,711.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,341.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,488.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,708.20*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,506.07	774.03
		For Aluminum, Mill Finish, Add	*793.21*	
		For Aluminum, Anodized Finish, Add	*2,219.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*869.75*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,739.50*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,522.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,697.51*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,268.98	877.23
		For Aluminum, Mill Finish, Add	*970.65*	
		For Aluminum, Anodized Finish, Add	*2,716.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,064.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,128.63*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,534.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,643.14*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,561.00	980.43
		For Aluminum, Mill Finish, Add	*1,094.41*	
		For Aluminum, Anodized Finish, Add	*3,062.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,200.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,400.03*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,240.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,000.16*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,323.90	1,083.64
		For Aluminum, Mill Finish, Add	*1,271.86*	
		For Aluminum, Anodized Finish, Add	*3,558.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,394.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,789.16*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,251.81*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,945.79*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,369.02	774.03
		For Aluminum, Mill Finish, Add	*663.59*	
		For Aluminum, Anodized Finish, Add	*1,856.89*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*727.62*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,455.24*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,783.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,276.20*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,395.13	877.23
		For Aluminum, Mill Finish, Add	*871.04*	
		For Aluminum, Anodized Finish, Add	*2,437.37*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*955.08*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,910.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,966.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,550.83*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,040.82	980.43
		For Aluminum, Mill Finish, Add	*1,035.11*	
		For Aluminum, Anodized Finish, Add	*2,896.50*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,134.99*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,269.99*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,901.97*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,349.94*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,807.83	1,083.64
		For Aluminum, Mill Finish, Add	*1,213.02*	
		For Aluminum, Anodized Finish, Add	*3,394.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,660.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,916.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,300.70*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,539.87	1,186.83
		For Aluminum, Mill Finish, Add	*1,386.95*	
		For Aluminum, Anodized Finish, Add	*3,881.02*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,520.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,041.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,908.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*15,207.75*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,319.08	103.21
		For Aluminum And Fiberglass, Add	*328.93*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*381.99*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,509.50	103.21
		For Aluminum And Fiberglass, Add	*387.96*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*450.54*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,049.28	118.07
		For Aluminum And Fiberglass, Add	*543.97*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*631.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,348.49	118.07
		For Aluminum And Fiberglass, Add	*636.73*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*739.43*	

08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports *(08 36 13 00-0013)*

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	7.59	

08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0109 Fiberglass Sectional Overhead Doors *(08 36 13 00-0108)*

08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	1,709.55	180.61
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,038.32	206.40
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,396.53	258.01
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,011.71	206.40
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,415.87	232.21
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,975.72	322.51
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,539.71	412.82
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,358.84	258.01
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,960.19	322.51
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,552.52	387.01
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,271.94	516.01
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,945.87	619.22
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,809.06	361.21
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,446.57	412.82
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,192.11	516.01
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,937.00	619.22
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,581.05	670.82
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,187.11	412.82
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,875.95	464.42
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,681.54	567.62
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,476.82	670.82
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,168.11	722.43

08 36 13 00-0133 Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,154.49	180.61
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,574.74	206.40
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,017.11	258.01
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,539.34	206.40
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,059.86	232.21
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,744.85	322.51
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,435.45	412.82
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,966.97	258.01
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,724.20	322.51
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,469.48	387.01
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,341.12	516.01
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,169.45	619.22
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,497.69	361.21
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,311.57	412.82
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,234.94	516.01
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,157.65	619.22
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,980.27	670.82
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,966.49	412.82
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,848.52	464.42
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,851.70	567.62
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,841.65	670.82
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	7,726.86	722.43

08 36 13 00-0156 Sectional Overhead Door Accessories *(08 36 13)*

08 36 13 00-0157 Sectional Overhead Door Accessories *(08 36 13 00-0156)*

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	2.36	0.64
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	3.60	0.81
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	1.73	0.64
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	238.72	32.25
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	558.05	64.50
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,484.00	103.21
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,091.50	103.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,503.33	103.21
		For Door Height >12', Add *Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.*	*10.00*	
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.50	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.27	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.17	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.75	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	51.68	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.88	
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	69.77	
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	47.09	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	570.11	51.60
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	897.52	78.46
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,275.83	130.77
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.25	
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.90	
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.83	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	13.60	3.10
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.69*	
		For Ribbed Strip Material, Add	*1.45*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	19.00	4.13
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.97*	
		For Ribbed Strip Material, Add	*2.04*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	13.32	2.58
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.87*	
		For Ribbed Strip Material, Add	*1.82*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	17.09	2.83
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.09*	
		For Ribbed Strip Material, Add	*2.29*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	15.16	2.58
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.10*	
		For Ribbed Strip Material, Add	*2.32*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	39.69	14.56
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.60*	
		For Ribbed Strip Material, Add	*3.35*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	41.93	14.56
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.82*	
		For Ribbed Strip Material, Add	*3.82*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	66.70	18.01
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*3.73*	
		For Ribbed Strip Material, Add	*7.83*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	74.27	18.01
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*4.49*	
		For Ribbed Strip Material, Add	*9.42*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	81.38	18.01
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*5.20*	
		For Ribbed Strip Material, Add	*10.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	158.47	18.37
		For Cooler/Freezer Doors, USDA Grade, Add	*12.17*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*25.56*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,132.04	51.60
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,908.15	51.60
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	21,057.62	59.35
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,649.36	64.50
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	37,080.63	64.50
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	38,818.14	64.50
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,155.69	77.40

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,212.50	51.60
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,076.79	51.60
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,037.44	59.35
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	27,611.50	64.50
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	41,624.66	64.50
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,392.08	64.50
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	48,244.33	77.40

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,550.20	28.38
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,844.47	28.38

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,844.47	28.38
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,927.46	28.38

08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,084.91	49.03
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,673.44	49.03

08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,673.44	49.03
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,839.44	49.03

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*

Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,626.17	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,761.98	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,817.38	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,900.38	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,985.96	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,167.05	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,227.60	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,860.07	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,965.70	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,028.64	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,089.01	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,295.32	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,340.59	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,393.59	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,236.85	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,508.47	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,614.11	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,780.10	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,951.28	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,313.45	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,419.08	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,704.65	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,915.92	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,036.64	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,157.36	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,569.99	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,660.53	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,751.07	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,014.49	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,369.12	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,515.06	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,665.96	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,713.82	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,023.18	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,310.08	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,362.90	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,316.30	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,686.02	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,831.96	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,020.59	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,158.99	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,460.80	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,589.25	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,777.88	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,013.49	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,722.74	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,009.46	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,311.27	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,406.99	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,025.70	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,584.05	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,689.68	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,617.11	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,356.54	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,643.26	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,020.52	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,297.33	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,900.95	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,142.40	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,519.66	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,096.59	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,679.26	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,837.22	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,895.48	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,956.34	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,500.16	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,954.60	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,022.58	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,222.83	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,941.46	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,109.13	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,186.82	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,208.83	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,606.99	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,051.72	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,129.41	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0096		84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,177.69	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,343.03	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,653.78	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,770.32	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,892.03	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,979.68	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,873.10	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,009.06	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0105		96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*		
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,430.18	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,867.43	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,197.61	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,352.98	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,397.01	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,193.32	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,067.32	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,222.70	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0114		1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*		
		Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115		Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0116		84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		
08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,101.00	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,500.90	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,609.11	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,707.20	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,875.79	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,064.42	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,223.05	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,351.32	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0125		96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*		
08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,440.54	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,863.07	28.38
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,978.83	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,031.65	29.67
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,185.14	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,434.13	30.96
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,562.59	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,690.86	34.83
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0134		Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0135		84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,186.52	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,986.31	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,197.58	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,393.75	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,730.92	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,108.19	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,409.99	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,666.53	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,865.59	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,710.65	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,937.01	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,042.64	49.03
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,349.63	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,847.62	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,089.06	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,345.60	51.60
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,025.55	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,244.36	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,443.12	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,571.39	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,890.88	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,147.41	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,358.87	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,600.31	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,176.46	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,440.54	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,571.39	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,752.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,094.60	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,403.95	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,600.31	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,826.67	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,561.26	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,614.08	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,835.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,001.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,351.14	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,720.85	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,902.12	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,128.48	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,035.61	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,473.24	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,865.59	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,122.13	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,761.10	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,274.18	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,681.62	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,164.52	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,337.42	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,865.59	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,122.13	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,484.30	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,168.55	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,787.26	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,164.52	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,617.23	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0201 96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,107.03	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,212.67	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,650.29	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,982.28	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,681.62	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,421.05	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,768.14	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	12,220.85	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,025.55	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,244.36	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,443.12	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,571.39	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,890.88	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,147.41	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,358.87	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,600.31	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,176.46	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,440.54	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,571.39	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,752.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,094.60	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,403.95	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,600.31	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,826.67	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,561.26	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,614.08	28.38
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,835.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,001.47	29.67
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,351.14	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,720.85	30.96
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,902.12	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,128.48	34.83
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,035.61	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,473.24	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,865.59	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,122.13	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,761.10	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,274.18	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,681.62	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,164.52	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,337.42	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,865.59	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,122.13	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,484.30	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,168.55	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,787.26	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,164.52	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,617.23	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,107.03	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,212.67	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,650.29	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,982.28	49.03
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,681.62	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,421.05	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,768.14	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	12,220.85	51.60
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories *(08 38 19)*

08 38 19 00-0268 Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	299.81	20.64
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	337.54	20.64
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	367.72	20.64
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	420.54	20.64

08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two bumpers per set.

08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	910.98	20.64
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,227.88	20.64
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,839.04	20.64
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	2,133.30	20.64
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,435.11	20.64

08 38 19 00-0279 Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*

Note: Includes two 0.090" thermoplastic plates per set.

08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	367.72	20.64
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	397.90	20.64
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	435.63	20.64
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	488.44	20.64
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	518.63	20.64

08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*

08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	518.63	20.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	654.44	20.64
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	729.89	20.64
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	835.52	20.64
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	903.43	20.64
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	654.44	20.64
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	775.16	20.64
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	865.71	20.64
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	1,031.70	20.64
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,144.88	20.64
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	729.89	20.64
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	865.71	20.64
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	1,016.61	20.64
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,099.61	20.64
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,227.88	20.64
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	903.43	20.64
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,144.88	20.64
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,227.88	20.64
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,386.33	20.64
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,559.87	20.64
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	352.63	20.64
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	382.81	20.64
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	397.90	20.64
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	465.81	20.64
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	495.99	20.64
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	465.81	20.64
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	511.08	20.64
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	556.35	20.64
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	594.08	20.64
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	654.44	20.64
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	541.26	20.64
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	578.99	20.64
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	669.53	20.64
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	767.62	20.64
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	812.89	20.64
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	578.99	20.64
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	654.44	20.64
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	767.62	20.64
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	858.16	20.64
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	910.98	20.64
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	752.53	20.64
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	858.16	20.64
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,001.52	20.64
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,069.43	20.64
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,159.97	20.64
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	488.44	20.64
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	518.63	20.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	609.17	20.64
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	654.44	20.64
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	782.71	20.64
08 38 19 00-0349		**24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	699.71	20.64
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	835.52	20.64
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	971.34	20.64
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,137.33	20.64
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,288.24	20.64
08 38 19 00-0355		**30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	805.34	20.64
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	986.43	20.64
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,152.42	20.64
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,325.96	20.64
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,529.69	20.64
08 38 19 00-0361		**36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	941.16	20.64
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,137.33	20.64
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,363.69	20.64
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,582.50	20.64
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,771.13	20.64
08 38 19 00-0367		**48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,182.61	20.64
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,650.41	20.64
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,771.13	20.64
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,133.30	20.64
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,344.57	20.64
08 38 19 00-0373		**One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0310)*		
08 38 19 00-0374		**12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	428.08	20.64
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	465.81	20.64
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	511.08	20.64
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	563.90	20.64
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	646.89	20.64
08 38 19 00-0380		**24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	594.08	20.64
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	684.62	20.64
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	775.16	20.64
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	873.25	20.64
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	986.43	20.64
08 38 19 00-0386		**30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	684.62	20.64
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	797.80	20.64
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	926.07	20.64
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,084.52	20.64
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,190.15	20.64
08 38 19 00-0392		**36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	775.16	20.64
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	926.07	20.64
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,084.52	20.64
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,242.97	20.64
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,356.15	20.64
08 38 19 00-0398		**48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors** *(08 38 19 00-0373)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	986.43	20.64
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,220.33	20.64
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,356.15	20.64
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,627.77	20.64
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,703.23	20.64
08 38 19 00-0404		**Jamb Guards For Impact Traffic Doors** *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	591.69	25.80
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	818.05	25.80
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,648.02	25.80
08 38 19 00-0408		**Other Impact Traffic Door Accessories** *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	133.62	12.90
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	186.44	12.90
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	510.89	12.90
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	646.70	12.90
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	239.26	12.90
08 38 19 00-0414		**Impact Traffic Door Knock Down Frames** *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		**Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0416		**84" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,425.05	38.70
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,689.48	42.57
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,720.27	45.15
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,750.45	49.03
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,784.51	51.60
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,858.85	54.18
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,910.35	56.76
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,940.85	59.35
08 38 19 00-0425		**90" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,458.71	38.70
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,729.55	42.57
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,761.04	45.15
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,791.76	49.03
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,826.54	51.60
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,902.62	54.18
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,955.25	56.76
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,986.43	59.35
08 38 19 00-0434		**96" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,503.45	38.70
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,782.82	42.57
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,815.14	45.15
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,833.37	49.03
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,882.38	51.60
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,946.38	54.18
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,014.93	56.76
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,050.26	58.05
08 38 19 00-0443		**Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0444		**84" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,979.71	59.35
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,007.84	60.37
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,049.02	61.92
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,097.55	64.50
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,123.47	67.08
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,202.96	67.60
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,254.43	68.37
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,314.84	69.67
08 38 19 00-0453		**90" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,026.19	59.35
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,055.00	60.37
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,097.15	61.92
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,146.75	64.50
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,173.27	67.08
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,254.65	67.60
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,307.36	68.37
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,369.24	69.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,080.44	59.35
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,102.08	60.37
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,161.06	61.92
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,195.94	64.50
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,239.29	67.08
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,330.85	67.60
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,377.68	68.37
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,423.58	69.67

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2108 for exit device, 08 71 11 00-2242 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	3,298.84	330.67
		For Bronze Finish, Add	*311.14*	
		For Black Finish, Add	*893.62*	
		For 8' High Door, Add	*322.35*	
		For 10' High Door, Add	*700.77*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	3,366.57	363.39
		For Bronze Finish, Add	*313.16*	
		For Black Finish, Add	*899.41*	
		For 8' High Door, Add	*324.44*	
		For 10' High Door, Add	*705.31*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,599.00	495.90
		For Bronze Finish, Add	*539.11*	
		For Black Finish, Add	*1,548.36*	
		For 8' High Door, Add	*558.54*	
		For 10' High Door, Add	*1,214.21*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	6,563.53	540.37
		For Bronze Finish, Add	*638.31*	
		For Black Finish, Add	*1,833.26*	
		For 8' High Door, Add	*661.31*	
		For 10' High Door, Add	*1,437.63*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	3,680.28	330.67
		For Bronze Finish, Add	*353.48*	
		For Black Finish, Add	*1,015.22*	
		For 8' High Door, Add	*366.22*	
		For 10' High Door, Add	*796.13*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	3,771.62	363.39
		For Bronze Finish, Add	*358.12*	
		For Black Finish, Add	*1,028.54*	
		For 8' High Door, Add	*371.02*	
		For 10' High Door, Add	*806.57*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	6,320.10	495.90
		For Bronze Finish, Add	*619.15*	
		For Black Finish, Add	*1,778.25*	
		For 8' High Door, Add	*641.46*	
		For 10' High Door, Add	*1,394.49*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,263.58	540.37
		For Bronze Finish, Add	*716.01*	
		For Black Finish, Add	*2,056.44*	
		For 8' High Door, Add	*741.81*	
		For 10' High Door, Add	*1,612.64*	
		For 1" Insulated Glazing, Add	*333.76*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door	7,909.57	123.93
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,334.49*	
		For Stainless Steel, Add	*4,818.98*	
		For 8' High Door, Add	*852.59*	
		For 10' High Door, Add	*1,853.45*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	14,706.42	148.73
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,519.68*	
		For Stainless Steel, Add	*9,098.83*	
		For 8' High Door, Add	*1,609.79*	
		For 10' High Door, Add	*3,499.55*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	9,245.20	123.93
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,574.90*	
		For Stainless Steel, Add	*5,687.14*	
		For 8' High Door, Add	*1,006.19*	
		For 10' High Door, Add	*2,187.36*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	17,582.14	148.73
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,037.31*	
		For Stainless Steel, Add	*10,968.05*	
		For 8' High Door, Add	*1,940.50*	
		For 10' High Door, Add	*4,218.48*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	10,575.61	123.93
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,814.37*	
		For Stainless Steel, Add	*6,551.90*	
		For 8' High Door, Add	*1,159.18*	
		For 10' High Door, Add	*2,519.96*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	20,453.16	148.73
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,554.09*	
		For Stainless Steel, Add	*12,834.21*	
		For 8' High Door, Add	*2,270.67*	
		For 10' High Door, Add	*4,936.24*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	13,241.58	123.93
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,294.25*	
		For Stainless Steel, Add	*8,284.78*	
		For 8' High Door, Add	*1,465.77*	
		For 10' High Door, Add	*3,186.46*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	26,199.87	148.73
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*4,588.50*	
		For Stainless Steel, Add	*16,569.57*	
		For 8' High Door, Add	*2,931.54*	
		For 10' High Door, Add	*6,372.91*	
		For 1" Insulated Glazing, Add	*333.76*	

08 42 26 00-0010 Frames For Full Glass Doors *(08 42 26)*

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	26.29	1.49
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	33.23	1.98

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,654.18	49.58
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,096.54	66.93
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,534.18	74.36
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,958.20	81.80
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	7,881.88	99.15
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,097.96	116.50
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,965.56	133.86

08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Bi-parting.

08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,162.24	123.93
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,043.12	136.34
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,924.01	148.73
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,327.89	161.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	15,731.78	173.47
08 42 29 23-0016		**Aluminum Finished Framed Sliding Automatic Entrances** *(08 42 29 23)*		
08 42 29 23-0017		**2 Panel, Aluminum Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0016)*		
		Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,225.04	49.58
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,629.04	66.93
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,018.96	74.36
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,412.29	81.80
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,158.07	99.15
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,357.02	116.50
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,957.83	133.86
08 42 29 23-0025		**4 Panel, Aluminum Finished Framed Sliding Automatic Entrance** *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,322.48	123.93
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,122.67	136.34
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,922.87	148.73
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	12,102.68	161.12
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	14,282.49	173.47
08 42 29 23-0031		**Stainless Steel Framed Sliding Automatic Entrances** *(08 42 29 23)*		
08 42 29 23-0032		**2 Panel, Stainless Steel Framed Sliding Automatic Entrance** *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,379.47	49.58
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,886.80	66.93
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,866.01	74.36
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,903.76	81.80
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,105.41	99.15
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,350.31	116.50
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	12,669.13	133.86
08 42 29 23-0040		**4 Panel, Stainless Steel Framed Sliding Automatic Entrance** *(08 42 29 23-0031)*		
		Note: Bi-parting.		
08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	10,581.76	123.93
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	11,598.91	136.34
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	12,616.07	148.73
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	15,398.85	161.12
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	18,181.63	173.51
08 42 29 23-0046		**Accessories For Sliding Automatic Entrances** *(08 42 29 23)*		
		See CSI section 08 42 29 33-0006 for activation devices.		
08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	8,959.35	516.01
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	15,612.65	774.03
08 42 29 33		**Swinging Automatic Entrances** *(08 42 29)*		
		Note: Excludes glazing.		
08 42 29 33-0001		**Swing Door Operators, Up To 350 Lb. Panel Weight** *(08 42 29 33)*		
		Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	3,417.62	220.80
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	6,393.90	294.42
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	2,883.63	176.64
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	5,502.07	264.96
08 42 29 33-0006		**Activation Devices For Door Operators** *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	388.12	17.66
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	338.11	17.66
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	342.10	17.66
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	146.61	17.66
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	162.77	17.66
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	79.26	17.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	468.39	44.16
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	888.97	22.08
08 42 29 33-0015	EA	Guard Rail For Door With Operator	168.51	22.08

08 42 33 Revolving Door Entrances *(08 42)*

08 42 33 00-0001 Aluminum Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	32,876.69	3,430.07
		For Automatic Controls, Add	*6,736.56*	
		For Powder Coated, Add	*1,579.59*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	43,400.41	5,145.20
		For Automatic Controls, Add	*7,679.84*	
		For Powder Coated, Add	*1,984.94*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	69,438.66	6,174.20
		For Automatic Controls, Add	*8,245.81*	
		For Powder Coated, Add	*3,510.21*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	36,665.23	3,773.05
		For Automatic Controls, Add	*6,929.07*	
		For Powder Coated, Add	*1,768.97*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	48,230.90	5,659.89
		For Automatic Controls, Add	*7,937.10*	
		For Powder Coated, Add	*2,222.91*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	77,628.15	6,791.62
		For Automatic Controls, Add	*8,623.12*	
		For Powder Coated, Add	*3,931.04*	

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	33,923.79	3,430.07
		For Automatic Controls, Add	*6,736.56*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	44,716.21	5,145.20
		For Automatic Controls, Add	*7,679.84*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	71,765.54	6,174.20
		For Automatic Controls, Add	*8,245.81*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	37,840.65	3,773.05
		For Automatic Controls, Add	*6,929.07*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	49,707.96	5,659.89
		For Automatic Controls, Add	*7,937.10*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	80,240.21	6,791.62
		For Automatic Controls, Add	*8,623.12*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	30,231.07	3,430.07
		For Automatic Controls, Add	*6,736.56*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	40,075.88	5,145.20
		For Automatic Controls, Add	*7,679.84*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	63,559.50	6,174.20
		For Automatic Controls, Add	*8,245.81*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	33,704.81	3,773.05
		For Automatic Controls, Add	*6,929.07*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	44,510.80	5,659.89
		For Automatic Controls, Add	*7,937.10*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	71,049.44	6,791.62
		For Automatic Controls, Add	*8,623.12*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	13,589.46	153.65
		For Bronze Instead Of Stainless Steel, Deduct	*-3,301.31*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,320.52*	
		For Tinted Glass, Add	*660.26*	
		For Aluminum, Painted Finish, Deduct	*-3,961.57*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	14,125.73	153.65
		For Bronze Instead Of Stainless Steel, Deduct	*-3,435.38*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,374.15*	
		For Tinted Glass, Add	*687.08*	
		For Aluminum, Painted Finish, Deduct	*-4,122.45*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	15,428.18	153.65
		For Bronze Instead Of Stainless Steel, Deduct	*-3,760.99*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,504.40*	
		For Tinted Glass, Add	*752.20*	
		For Aluminum, Painted Finish, Deduct	*-4,513.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	16,960.51	153.65
		For Bronze Instead Of Stainless Steel, Deduct	*-4,144.07*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,657.63*	
		For Tinted Glass, Add	*828.81*	
		For Aluminum, Painted Finish, Deduct	*-4,972.89*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	28,213.09	292.02
		For Bronze Instead Of Stainless Steel, Deduct	*-6,870.76*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,748.31*	
		For Tinted Glass, Add	*1,374.15*	
		For Aluminum, Painted Finish, Deduct	*-8,244.92*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

08 43 13 00-0001 Aluminum Storefront Framing Assemblies *(08 43 13)*

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.34	3.64
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.39*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.86	3.28
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.07	3.02
		For Various Color Class I Anodized Finish, Add	*0.93*	
		For Black Color Class I Anodized Finish, Add	*2.79*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.74	2.83
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.72	2.68
		For Various Color Class I Anodized Finish, Add	*0.82*	
		For Black Color Class I Anodized Finish, Add	*2.46*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.88	2.56
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.34*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.20	2.46
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.25*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.64	2.38
		For Various Color Class I Anodized Finish, Add	*0.72*	
		For Black Color Class I Anodized Finish, Add	*2.17*	

08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.76	4.76
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.42*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.02	4.21
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.41	3.81
		For Various Color Class I Anodized Finish, Add	*1.18*	
		For Black Color Class I Anodized Finish, Add	*3.53*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.41	3.52
		For Various Color Class I Anodized Finish, Add	*1.08*	
		For Black Color Class I Anodized Finish, Add	*3.25*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.86	3.27
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.60	3.13
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.86*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.61	2.97
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.72*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.75	2.83
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0020		1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.22	5.85
		For Various Color Class I Anodized Finish, Add	*1.82*	
		For Black Color Class I Anodized Finish, Add	*5.46*	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.26	5.10
		For Various Color Class I Anodized Finish, Add	*1.59*	
		For Black Color Class I Anodized Finish, Add	*4.77*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.72	4.61
		For Various Color Class I Anodized Finish, Add	*1.42*	
		For Black Color Class I Anodized Finish, Add	*4.27*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.06	4.21
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.95	3.92
		For Various Color Class I Anodized Finish, Add	*1.20*	
		For Black Color Class I Anodized Finish, Add	*3.61*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.33	3.67
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.38*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.97	3.47
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.19*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.85	3.32
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	
08 43 13 00-0029		2" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.99	3.81
		For Various Color Class I Anodized Finish, Add	*1.15*	
		For Black Color Class I Anodized Finish, Add	*3.46*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.41	3.42
		For Various Color Class I Anodized Finish, Add	*1.03*	
		For Black Color Class I Anodized Finish, Add	*3.10*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.50	3.18
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.10	2.97
		For Various Color Class I Anodized Finish, Add	*0.88*	
		For Black Color Class I Anodized Finish, Add	*2.64*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.00	2.78
		For Various Color Class I Anodized Finish, Add	*0.83*	
		For Black Color Class I Anodized Finish, Add	*2.48*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.18	2.68
		For Various Color Class I Anodized Finish, Add	*0.79*	
		For Black Color Class I Anodized Finish, Add	*2.36*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	16.42	2.58
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.26*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	15.86	2.48
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	
08 43 13 00-0038		2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.83	5.16
		For Various Color Class I Anodized Finish, Add	*1.50*	
		For Black Color Class I Anodized Finish, Add	*4.50*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.88	4.56
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.09	4.11
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.99	3.81
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.39	3.57
		For Various Color Class I Anodized Finish, Add	*1.02*	
		For Black Color Class I Anodized Finish, Add	*3.06*	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.04	3.37
		For Various Color Class I Anodized Finish, Add	*0.96*	
		For Black Color Class I Anodized Finish, Add	*2.88*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.98	3.18
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.73*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.10	3.02
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.61*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.03	6.15
		For Various Color Class I Anodized Finish, Add	*1.85*	
		For Black Color Class I Anodized Finish, Add	*5.54*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.92	5.35
		For Various Color Class I Anodized Finish, Add	*1.61*	
		For Black Color Class I Anodized Finish, Add	*4.82*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.25	4.81
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.31*	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.53	4.41
		For Various Color Class I Anodized Finish, Add	*1.31*	
		For Black Color Class I Anodized Finish, Add	*3.93*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.39	4.07
		For Various Color Class I Anodized Finish, Add	*1.21*	
		For Black Color Class I Anodized Finish, Add	*3.63*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.67	3.81
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.40*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.29	3.62
		For Various Color Class I Anodized Finish, Add	*1.07*	
		For Black Color Class I Anodized Finish, Add	*3.20*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.10	3.47
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.04	3.92
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.72	3.52
		For Various Color Class I Anodized Finish, Add	*1.46*	
		For Black Color Class I Anodized Finish, Add	*4.39*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.38	3.22
		For Various Color Class I Anodized Finish, Add	*1.35*	
		For Black Color Class I Anodized Finish, Add	*4.04*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.61	3.02
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.24	2.88
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.58*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.12	2.73
		For Various Color Class I Anodized Finish, Add	*1.14*	
		For Black Color Class I Anodized Finish, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.23	2.62
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.45	2.53
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.17*	

08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.33	5.26
		For Various Color Class I Anodized Finish, Add	*2.12*	
		For Black Color Class I Anodized Finish, Add	*6.36*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.29	4.66
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.72	4.21
		For Various Color Class I Anodized Finish, Add	*1.70*	
		For Black Color Class I Anodized Finish, Add	*5.10*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.03	3.86
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.70*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.92	3.62
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.27	3.42
		For Various Color Class I Anodized Finish, Add	*1.38*	
		For Black Color Class I Anodized Finish, Add	*4.15*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.90	3.27
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.95*	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.72	3.13
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	

08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	52.83	6.15
		For Various Color Class I Anodized Finish, Add	*2.61*	
		For Black Color Class I Anodized Finish, Add	*7.84*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.31	5.45
		For Various Color Class I Anodized Finish, Add	*2.28*	
		For Black Color Class I Anodized Finish, Add	*6.85*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.57	4.91
		For Various Color Class I Anodized Finish, Add	*2.05*	
		For Black Color Class I Anodized Finish, Add	*6.15*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.06	4.46
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.27	4.16
		For Various Color Class I Anodized Finish, Add	*1.74*	
		For Black Color Class I Anodized Finish, Add	*5.22*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.06	3.92
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.23	3.67
		For Various Color Class I Anodized Finish, Add	*1.54*	
		For Black Color Class I Anodized Finish, Add	*4.62*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.74	3.52
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	

08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	32.75	3.30
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	37.76	3.63
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	62.94	3.99

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly *(08 43 19)*

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	50.64	2.48
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	

08 44 Curtain Wall and Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001 Aluminum Glass Partition Wall Frame *(08 44 13)*

Note: Excludes glazing.

08 44 13 00-0002	LF	2" x 5-1/2" Aluminum Head Frame, Clear Anodic Finish Note: For glass partition wall.	40.68	4.96
		For Color Anodic Finish, Add	*3.05*	
		For Baked-Enamel Finish, Add	*5.34*	
		For Powder Coated Finish, Add	*6.86*	
08 44 13 00-0003	LF	2" x 5-1/2" Aluminum Mullion Frame, Clear Anodic Finish Note: For glass partition wall.	45.17	5.94
		For Color Anodic Finish, Add	*3.38*	
		For Baked-Enamel Finish, Add	*5.92*	
		For Powder Coated Finish, Add	*7.61*	
08 44 13 00-0004	LF	2" x 5-1/2" Aluminum Jamb Frame, Clear Anodic Finish Note: For glass partition wall.	44.09	4.21
		For Color Anodic Finish, Add	*3.58*	
		For Baked-Enamel Finish, Add	*6.26*	
		For Powder Coated Finish, Add	*8.05*	
08 44 13 00-0005	LF	4" x 5-1/2" Aluminum Sill Frame, Clear Anodic Finish Note: For glass partition wall.	49.82	44.87
		For Color Anodic Finish, Add	*3.99*	
		For Baked-Enamel Finish, Add	*6.98*	
		For Powder Coated Finish, Add	*8.98*	

08 44 13 00-0006 Curtain Walls *(08 44 13)*

08 44 13 00-0007 Coping Sections *(08 44 13 00-0006)*

08 44 13 00-0008	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	77.21	1.49
		For Bronze Anodized Aluminum, Add	*10.28*	
		For Stainless Steel, Add	*41.54*	
		For Black Anodized Finish, Add	*18.50*	
08 44 13 00-0009	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	80.87	1.49
		For Bronze Anodized Aluminum, Add	*10.83*	
		For Stainless Steel, Add	*43.74*	
		For Black Anodized Finish, Add	*19.49*	
08 44 13 00-0010	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	96.48	1.98
		For Bronze Anodized Aluminum, Add	*12.85*	
		For Stainless Steel, Add	*51.93*	
		For Black Anodized Finish, Add	*23.13*	

08 44 13 00-0011 Sill Section *(08 44 13 00-0006)*

08 44 13 00-0012	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	52.62	0.99
		For Bronze Anodized Aluminum, Add	*6.98*	
		For Stainless Steel, Add	*28.21*	
		For Black Anodized Finish, Add	*12.56*	
08 44 13 00-0013	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	57.58	0.99
		For Bronze Anodized Aluminum, Add	*7.72*	
		For Stainless Steel, Add	*31.18*	
		For Black Anodized Finish, Add	*13.89*	
08 44 13 00-0014	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	62.61	0.99
		For Bronze Anodized Aluminum, Add	*8.47*	
		For Stainless Steel, Add	*34.20*	
		For Black Anodized Finish, Add	*15.25*	

08 44 13 00-0015 Aluminum Column Covers *(08 44 13 00-0006)*

Note: Includes all clips and fasteners.

08 44 13 00-0016	LF	Aluminum Column Covers, 1/8" x 26", Shaped	163.63	2.48
		For Bronze Anodized Aluminum, Add	*22.45*	
		For Stainless Steel, Add	*90.49*	
		For Black Anodized Finish, Add	*40.41*	
08 44 13 00-0017	LF	Aluminum Column Covers, 1/8" x 34", Shaped	205.88	2.48
		For Bronze Anodized Aluminum, Add	*28.66*	
		For Stainless Steel, Add	*115.39*	
		For Black Anodized Finish, Add	*51.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0018	LF	Aluminum Column Covers, 1/8" x 38", Shaped	222.83	2.48
		For Bronze Anodized Aluminum, Add	*31.20*	
		For Stainless Steel, Add	*125.56*	
		For Black Anodized Finish, Add	*56.17*	

08 44 13 00-0019 Spandrel Covers *(08 44 13 00-0006)*

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

08 44 13 00-0020	SF	1" Spandrel Cover, Aluminum Both Faces	69.07	0.99
		For Bronze Anodized Aluminum, Add	*9.74*	
		For Stainless Steel, Add	*39.15*	
		For Black Anodized Finish, Add	*17.53*	
08 44 13 00-0021	SF	1" Spandrel Cover, Aluminum Exterior Face	59.44	0.99
		For Bronze Anodized Aluminum, Add	*8.29*	
		For Stainless Steel, Add	*33.38*	
		For Black Anodized Finish, Add	*14.93*	
08 44 13 00-0022	SF	1" Spandrel Cover, Epoxy Both Faces	139.19	0.99
		For Bronze Anodized Aluminum, Add	*20.25*	
		For Stainless Steel, Add	*81.23*	
		For Black Anodized Finish, Add	*36.46*	
08 44 13 00-0023	SF	1" Spandrel Cover, Epoxy Exterior Face Only	112.03	0.99
		For Bronze Anodized Aluminum, Add	*16.18*	
		For Stainless Steel, Add	*64.93*	
		For Black Anodized Finish, Add	*29.12*	
08 44 13 00-0024	SF	2" Spandrel Cover, Aluminum Both Faces	76.45	0.99
		For Bronze Anodized Aluminum, Add	*10.68*	
		For Stainless Steel, Add	*42.98*	
		For Black Anodized Finish, Add	*19.22*	
08 44 13 00-0025	SF	2" Spandrel Cover, Aluminum Exterior Face	67.34	0.99
		For Bronze Anodized Aluminum, Add	*9.31*	
		For Stainless Steel, Add	*37.52*	
		For Black Anodized Finish, Add	*16.76*	
08 44 13 00-0026	SF	2" Spandrel Cover, Epoxy Both Faces	158.06	0.99
		For Bronze Anodized Aluminum, Add	*22.92*	
		For Stainless Steel, Add	*91.95*	
		For Black Anodized Finish, Add	*41.26*	
08 44 13 00-0027	SF	2" Spandrel Cover, Epoxy Exterior Face Only	126.73	0.99
		For Bronze Anodized Aluminum, Add	*18.22*	
		For Stainless Steel, Add	*73.15*	
		For Black Anodized Finish, Add	*32.80*	

08 44 13 00-0028 Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0006)*

Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.

08 44 13 00-0029	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	82.77	0.99
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.50*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	82.68	0.99
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.49*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	82.69	0.99
		For Bronze Anodized Aluminum, Add	*11.83*	
		For Stainless Steel, Add	*47.50*	
		For Black Anodized Finish, Add	*21.29*	
		For Corner Mullion, Add	*20.29*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	100.14	1.98
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*56.82*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	100.14	1.98
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*56.82*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	100.14	1.98
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*56.82*	
		For Black Anodized Finish, Add	*25.43*	
		For Corner Mullion, Add	*24.44*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	109.85	2.18
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.27*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	109.85	2.18
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.27*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	109.85	2.18
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.27*	
		For Black Anodized Finish, Add	*27.87*	
		For Corner Mullion, Add	*26.80*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	119.68	2.48
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*67.77*	
		For Black Anodized Finish, Add	*30.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	119.68	2.48
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*67.77*	
		For Black Anodized Finish, Add	*30.33*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	119.68	2.48
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*67.77*	
		For Black Anodized Finish, Add	*30.33*	
		For Corner Mullion, Add	*29.19*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	134.70	2.68
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.41*	
		For Black Anodized Finish, Add	*34.20*	
08 44 13 00-0042	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	134.70	2.68
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.41*	
		For Black Anodized Finish, Add	*34.20*	
08 44 13 00-0043	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	134.70	2.68
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.41*	
		For Black Anodized Finish, Add	*34.20*	
		For Corner Mullion, Add	*32.87*	
08 44 13 00-0044	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	154.64	2.97
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*87.73*	
		For Black Anodized Finish, Add	*39.27*	
08 44 13 00-0045	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	154.64	2.97
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*87.73*	
		For Black Anodized Finish, Add	*39.27*	
08 44 13 00-0046	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	154.64	2.97
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*87.73*	
		For Black Anodized Finish, Add	*39.27*	
		For Corner Mullion, Add	*37.74*	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	150.48	3.13
		For Aluminum Frame, Add	*14.58*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	138.29	2.68
		For Aluminum Frame, Add	*13.43*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	854.85	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.45*	
		For Clear Anodized Finish, Add	*38.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.34*	
		For Color Anodized Finish, Add	*54.06*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	979.21	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.83*	
		For Clear Anodized Finish, Add	*44.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.49*	
		For Color Anodized Finish, Add	*62.40*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,082.86	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.80*	
		For Clear Anodized Finish, Add	*49.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.40*	
		For Color Anodized Finish, Add	*69.30*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,165.76	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For Clear Anodized Finish, Add	*53.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Color Anodized Finish, Add	*74.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,373.07	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.40*	
		For Clear Anodized Finish, Add	*63.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.19*	
		For Color Anodized Finish, Add	*88.89*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	45.45	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.85*	
		For Clear Anodized Finish, Add	*2.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.54*	
		For Color Anodized Finish, Add	*2.96*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,404.26	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.43*	
		For Clear Anodized Finish, Add	*66.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.30*	
		For Color Anodized Finish, Add	*92.52*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,575.27	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.75*	
		For Clear Anodized Finish, Add	*74.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.25*	
		For Color Anodized Finish, Add	*104.13*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,715.20	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.45*	
		For Clear Anodized Finish, Add	*81.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.34*	
		For Color Anodized Finish, Add	*113.56*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,849.92	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.04*	
		For Clear Anodized Finish, Add	*87.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.11*	
		For Color Anodized Finish, Add	*122.63*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,243.83	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.81*	
		For Clear Anodized Finish, Add	*107.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*128.44*	
		For Color Anodized Finish, Add	*149.84*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	74.47	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.43*	
		For Clear Anodized Finish, Add	*3.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.28*	
		For Color Anodized Finish, Add	*5.00*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,497.55	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.30*	
		For Clear Anodized Finish, Add	*70.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.90*	
		For Color Anodized Finish, Add	*99.05*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,704.84	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,870.69	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.56*	
		For Clear Anodized Finish, Add	*88.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.67*	
		For Color Anodized Finish, Add	*124.45*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,031.33	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.67*	
		For Clear Anodized Finish, Add	*96.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.00*	
		For Color Anodized Finish, Add	*135.33*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,466.70	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.27*	
		For Clear Anodized Finish, Add	*118.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*141.81*	
		For Color Anodized Finish, Add	*165.44*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	81.88	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.58*	
		For Clear Anodized Finish, Add	*3.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.73*	
		For Color Anodized Finish, Add	*5.51*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,673.78	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.82*	
		For Clear Anodized Finish, Add	*79.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.47*	
		For Color Anodized Finish, Add	*111.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,948.45	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.21*	
		For Clear Anodized Finish, Add	*93.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*111.64*	
		For Color Anodized Finish, Add	*130.25*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,119.48	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.53*	
		For Clear Anodized Finish, Add	*101.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.60*	
		For Color Anodized Finish, Add	*141.86*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,280.12	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.64*	
		For Clear Anodized Finish, Add	*109.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.92*	
		For Color Anodized Finish, Add	*152.75*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,679.21	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.52*	
		For Clear Anodized Finish, Add	*128.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.56*	
		For Color Anodized Finish, Add	*180.32*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	88.98	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.72*	
		For Clear Anodized Finish, Add	*4.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.15*	
		For Color Anodized Finish, Add	*6.01*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	994.79	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.24*	
		For Clear Anodized Finish, Add	*45.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.73*	
		For Color Anodized Finish, Add	*63.86*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,113.97	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.53*	
		For Clear Anodized Finish, Add	*51.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.58*	
		For Color Anodized Finish, Add	*71.84*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,212.44	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.39*	
		For Clear Anodized Finish, Add	*55.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.17*	
		For Color Anodized Finish, Add	*78.37*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,316.07	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.36*	
		For Clear Anodized Finish, Add	*60.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.08*	
		For Color Anodized Finish, Add	*85.26*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,575.21	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.44*	
		For Clear Anodized Finish, Add	*73.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.32*	
		For Color Anodized Finish, Add	*103.04*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	52.18	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.98*	
		For Clear Anodized Finish, Add	*2.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.94*	
		For Color Anodized Finish, Add	*3.44*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,290.23	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.15*	
		For Clear Anodized Finish, Add	*60.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.46*	
		For Color Anodized Finish, Add	*84.54*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,523.44	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.71*	
		For Clear Anodized Finish, Add	*71.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.14*	
		For Color Anodized Finish, Add	*100.50*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,710.01	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,922.49	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For Clear Anodized Finish, Add	*91.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Color Anodized Finish, Add	*127.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,326.76	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.47*	
		For Clear Anodized Finish, Add	*111.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*133.41*	
		For Color Anodized Finish, Add	*155.65*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	77.22	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.48*	
		For Clear Anodized Finish, Add	*3.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.45*	
		For Color Anodized Finish, Add	*5.19*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,699.69	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,974.36	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.73*	
		For Clear Anodized Finish, Add	*94.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.20*	
		For Color Anodized Finish, Add	*132.06*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,202.41	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.19*	
		For Clear Anodized Finish, Add	*105.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.57*	
		For Color Anodized Finish, Add	*147.67*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,425.25	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.54*	
		For Clear Anodized Finish, Add	*116.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.63*	
		For Color Anodized Finish, Add	*162.90*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,985.01	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.64*	
		For Clear Anodized Finish, Add	*144.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.91*	
		For Color Anodized Finish, Add	*201.73*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	99.14	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.92*	
		For Clear Anodized Finish, Add	*4.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.76*	
		For Color Anodized Finish, Add	*6.72*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,798.48	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*54.22*	
		For Clear Anodized Finish, Add	*135.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*162.65*	
		For Color Anodized Finish, Add	*189.75*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,078.35	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For Clear Anodized Finish, Add	*149.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Color Anodized Finish, Add	*208.98*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,410.03	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.24*	
		For Clear Anodized Finish, Add	*165.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.72*	
		For Color Anodized Finish, Add	*231.84*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,980.16	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.54*	
		For Clear Anodized Finish, Add	*193.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.62*	
		For Color Anodized Finish, Add	*271.39*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	132.16	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.58*	
		For Clear Anodized Finish, Add	*6.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.74*	
		For Color Anodized Finish, Add	*9.03*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	3,969.85	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.64*	
		For Clear Anodized Finish, Add	*194.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.93*	
		For Color Anodized Finish, Add	*271.75*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,286.01	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*83.86*	
		For Clear Anodized Finish, Add	*209.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*251.59*	
		For Color Anodized Finish, Add	*293.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,648.79	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*91.02*	
		For Clear Anodized Finish, Add	*227.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*273.05*	
		For Color Anodized Finish, Add	*318.55*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,291.48	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*103.77*	
		For Clear Anodized Finish, Add	*259.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*311.30*	
		For Color Anodized Finish, Add	*363.18*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	176.22	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.46*	
		For Clear Anodized Finish, Add	*8.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.39*	
		For Color Anodized Finish, Add	*12.12*	

08 51 13 00-0065 Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0066 One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0067 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*

08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	880.77	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.96*	
		For Clear Anodized Finish, Add	*39.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.89*	
		For Color Anodized Finish, Add	*55.87*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,010.31	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For Clear Anodized Finish, Add	*46.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Color Anodized Finish, Add	*64.58*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,103.59	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.21*	
		For Clear Anodized Finish, Add	*50.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.64*	
		For Color Anodized Finish, Add	*70.75*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,202.04	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.08*	
		For Clear Anodized Finish, Add	*55.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.24*	
		For Color Anodized Finish, Add	*77.28*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,419.71	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.33*	
		For Clear Anodized Finish, Add	*65.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.99*	
		For Color Anodized Finish, Add	*92.16*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	47.00	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For Clear Anodized Finish, Add	*2.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.63*	
		For Color Anodized Finish, Add	*3.07*	

08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*

08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,539.02	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.13*	
		For Clear Anodized Finish, Add	*72.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.39*	
		For Color Anodized Finish, Add	*101.95*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,751.49	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.28*	
		For Clear Anodized Finish, Add	*83.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*99.83*	
		For Color Anodized Finish, Add	*116.46*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,917.34	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For Clear Anodized Finish, Add	*91.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Color Anodized Finish, Add	*127.71*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,077.98	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.60*	
		For Clear Anodized Finish, Add	*99.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.80*	
		For Color Anodized Finish, Add	*138.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,445.97	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.86*	
		For Clear Anodized Finish, Add	*117.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.57*	
		For Color Anodized Finish, Add	*163.99*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	81.21	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.56*	
		For Clear Anodized Finish, Add	*3.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.69*	
		For Color Anodized Finish, Add	*5.47*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,015.53	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.66*	
		For Clear Anodized Finish, Add	*46.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.98*	
		For Color Anodized Finish, Add	*65.31*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,186.54	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.98*	
		For Clear Anodized Finish, Add	*54.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.93*	
		For Color Anodized Finish, Add	*76.92*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,295.37	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.05*	
		For Clear Anodized Finish, Add	*60.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.15*	
		For Color Anodized Finish, Add	*84.17*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,383.45	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.71*	
		For Clear Anodized Finish, Add	*64.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*77.12*	
		For Color Anodized Finish, Add	*89.98*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,632.22	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For Clear Anodized Finish, Add	*76.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	54.05	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For Clear Anodized Finish, Add	*2.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Color Anodized Finish, Add	*3.57*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	2,979.92	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.95*	
		For Clear Anodized Finish, Add	*144.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.84*	
		For Color Anodized Finish, Add	*202.81*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,428.19	57.28
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.65*	
		For Clear Anodized Finish, Add	*166.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.96*	
		For Color Anodized Finish, Add	*233.29*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,713.23	60.37
		For 50% Fluoropolymer Finish (Acrynar), Add	*72.25*	
		For Clear Anodized Finish, Add	*180.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*216.76*	
		For Color Anodized Finish, Add	*252.88*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,513.97	68.11
		For 50% Fluoropolymer Finish (Acrynar), Add	*88.01*	
		For Clear Anodized Finish, Add	*220.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*264.03*	
		For Color Anodized Finish, Add	*308.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	5,218.79	77.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*101.80*	
		For Clear Anodized Finish, Add	*254.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*305.39*	
		For Color Anodized Finish, Add	*356.29*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	87.90	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.70*	
		For Clear Anodized Finish, Add	*4.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.09*	
		For Color Anodized Finish, Add	*5.94*	
08 51 13 00-0097		Fixed Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*		
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	637.16	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.09*	
		For Clear Anodized Finish, Add	*27.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.28*	
		For Color Anodized Finish, Add	*38.82*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	745.97	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.17*	
		For Clear Anodized Finish, Add	*32.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.50*	
		For Color Anodized Finish, Add	*46.08*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	787.42	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.89*	
		For Clear Anodized Finish, Add	*34.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.67*	
		For Color Anodized Finish, Add	*48.62*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	828.86	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.62*	
		For Clear Anodized Finish, Add	*36.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.85*	
		For Color Anodized Finish, Add	*51.16*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,170.93	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For Clear Anodized Finish, Add	*53.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Color Anodized Finish, Add	*74.74*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	38.71	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.71*	
		For Clear Anodized Finish, Add	*1.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.14*	
		For Color Anodized Finish, Add	*2.49*	
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*		
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	865.22	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.65*	
		For Clear Anodized Finish, Add	*39.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.96*	
		For Color Anodized Finish, Add	*54.79*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,010.31	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For Clear Anodized Finish, Add	*46.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Color Anodized Finish, Add	*64.58*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,093.23	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.01*	
		For Clear Anodized Finish, Add	*50.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.02*	
		For Color Anodized Finish, Add	*70.02*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,181.31	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.67*	
		For Clear Anodized Finish, Add	*54.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.00*	
		For Color Anodized Finish, Add	*75.83*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,632.22	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For Clear Anodized Finish, Add	*76.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	54.05	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For Clear Anodized Finish, Add	*2.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Color Anodized Finish, Add	*3.57*	
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	709.72	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.54*	
		For Clear Anodized Finish, Add	*31.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.63*	
		For Color Anodized Finish, Add	*43.90*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	854.82	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.34*	
		For Clear Anodized Finish, Add	*38.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.03*	
		For Color Anodized Finish, Add	*53.70*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	927.37	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.69*	
		For Clear Anodized Finish, Add	*41.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.07*	
		For Color Anodized Finish, Add	*58.41*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,005.08	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.14*	
		For Clear Anodized Finish, Add	*45.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.42*	
		For Color Anodized Finish, Add	*63.49*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,430.08	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.54*	
		For Clear Anodized Finish, Add	*66.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.61*	
		For Color Anodized Finish, Add	*92.88*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	47.31	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For Clear Anodized Finish, Add	*2.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.65*	
		For Color Anodized Finish, Add	*3.09*	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	704.54	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.44*	
		For Clear Anodized Finish, Add	*31.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.32*	
		For Color Anodized Finish, Add	*43.54*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	834.08	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.93*	
		For Clear Anodized Finish, Add	*37.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.78*	
		For Color Anodized Finish, Add	*52.25*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	906.64	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.28*	
		For Clear Anodized Finish, Add	*40.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.83*	
		For Color Anodized Finish, Add	*56.96*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	984.35	58.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.73*	
		For Clear Anodized Finish, Add	*44.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.18*	
		For Color Anodized Finish, Add	*62.04*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,409.35	61.92
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.12*	
		For Clear Anodized Finish, Add	*65.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.37*	
		For Color Anodized Finish, Add	*91.43*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	46.64	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.87*	
		For Clear Anodized Finish, Add	*2.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.61*	
		For Color Anodized Finish, Add	*3.05*	
08 51 13 00-0126		Projected Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0127		Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0128		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*		
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,026.93	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.89*	
		For Clear Anodized Finish, Add	*47.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.66*	
		For Color Anodized Finish, Add	*66.11*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,118.64	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.62*	
		For Clear Anodized Finish, Add	*51.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.86*	
		For Color Anodized Finish, Add	*72.16*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,227.99	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.70*	
		For Clear Anodized Finish, Add	*56.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.11*	
		For Color Anodized Finish, Add	*79.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	78.77	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.51*	
		For Clear Anodized Finish, Add	*3.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.54*	
		For Color Anodized Finish, Add	*5.30*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,485.17	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.05*	
		For Clear Anodized Finish, Add	*70.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.16*	
		For Color Anodized Finish, Add	*98.18*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,652.55	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.30*	
		For Clear Anodized Finish, Add	*78.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.89*	
		For Color Anodized Finish, Add	*109.54*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,849.96	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.14*	
		For Clear Anodized Finish, Add	*87.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.42*	
		For Color Anodized Finish, Add	*122.99*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	120.24	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.34*	
		For Clear Anodized Finish, Add	*5.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.03*	
		For Color Anodized Finish, Add	*8.20*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,657.04	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.49*	
		For Clear Anodized Finish, Add	*78.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.47*	
		For Color Anodized Finish, Add	*110.21*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,852.72	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.30*	
		For Clear Anodized Finish, Add	*88.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.90*	
		For Color Anodized Finish, Add	*123.55*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,083.20	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.81*	
		For Clear Anodized Finish, Add	*99.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.42*	
		For Color Anodized Finish, Add	*139.32*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	135.79	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.65*	
		For Clear Anodized Finish, Add	*6.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.96*	
		For Color Anodized Finish, Add	*9.29*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	1,775.42	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.86*	
		For Clear Anodized Finish, Add	*84.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*101.57*	
		For Color Anodized Finish, Add	*118.50*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,990.64	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.06*	
		For Clear Anodized Finish, Add	*95.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.18*	
		For Color Anodized Finish, Add	*133.20*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,243.87	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.02*	
		For Clear Anodized Finish, Add	*107.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.06*	
		For Color Anodized Finish, Add	*150.57*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	146.52	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.87*	
		For Clear Anodized Finish, Add	*7.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.61*	
		For Color Anodized Finish, Add	*10.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,760.13	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.55*	
		For Clear Anodized Finish, Add	*83.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.65*	
		For Color Anodized Finish, Add	*117.43*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,972.86	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.70*	
		For Clear Anodized Finish, Add	*94.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.11*	
		For Color Anodized Finish, Add	*131.96*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,223.14	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.61*	
		For Clear Anodized Finish, Add	*106.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.82*	
		For Color Anodized Finish, Add	*149.12*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	145.12	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.84*	
		For Clear Anodized Finish, Add	*7.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.52*	
		For Color Anodized Finish, Add	*9.94*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,527.20	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.89*	
		For Clear Anodized Finish, Add	*72.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.68*	
		For Color Anodized Finish, Add	*101.12*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,701.48	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.28*	
		For Clear Anodized Finish, Add	*80.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*96.83*	
		For Color Anodized Finish, Add	*112.96*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,906.97	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.28*	
		For Clear Anodized Finish, Add	*90.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.84*	
		For Color Anodized Finish, Add	*126.99*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	123.87	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.42*	
		For Clear Anodized Finish, Add	*6.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.25*	
		For Color Anodized Finish, Add	*8.45*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,252.78	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.40*	
		For Clear Anodized Finish, Add	*108.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.21*	
		For Color Anodized Finish, Add	*151.91*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,546.79	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.18*	
		For Clear Anodized Finish, Add	*122.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*147.54*	
		For Color Anodized Finish, Add	*172.13*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,891.76	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.98*	
		For Clear Anodized Finish, Add	*139.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*167.93*	
		For Color Anodized Finish, Add	*195.92*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	189.69	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.73*	
		For Clear Anodized Finish, Add	*9.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.20*	
		For Color Anodized Finish, Add	*13.06*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,405.53	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.46*	
		For Clear Anodized Finish, Add	*116.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.38*	
		For Color Anodized Finish, Add	*162.61*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,724.72	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.74*	
		For Clear Anodized Finish, Add	*131.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.22*	
		For Color Anodized Finish, Add	*184.59*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,099.08	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.12*	
		For Clear Anodized Finish, Add	*150.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*180.37*	
		For Color Anodized Finish, Add	*210.43*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	203.17	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.00*	
		For Clear Anodized Finish, Add	*10.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.00*	
		For Color Anodized Finish, Add	*14.00*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,390.29	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.15*	
		For Clear Anodized Finish, Add	*115.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.46*	
		For Color Anodized Finish, Add	*161.54*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,706.94	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.38*	
		For Clear Anodized Finish, Add	*130.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.15*	
		For Color Anodized Finish, Add	*183.35*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,078.35	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For Clear Anodized Finish, Add	*149.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Color Anodized Finish, Add	*208.98*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	202.13	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.98*	
		For Clear Anodized Finish, Add	*9.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.94*	
		For Color Anodized Finish, Add	*13.93*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,627.05	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.89*	
		For Clear Anodized Finish, Add	*127.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*152.67*	
		For Color Anodized Finish, Add	*178.11*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,982.79	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.90*	
		For Clear Anodized Finish, Add	*144.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.70*	
		For Color Anodized Finish, Add	*202.65*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,399.70	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.14*	
		For Clear Anodized Finish, Add	*165.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.41*	
		For Color Anodized Finish, Add	*231.48*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	223.38	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.41*	
		For Clear Anodized Finish, Add	*11.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.22*	
		For Color Anodized Finish, Add	*15.42*	

08 51 13 00-0179 Casement Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0180 Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0181 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,214.04	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.63*	
		For Clear Anodized Finish, Add	*56.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.89*	
		For Color Anodized Finish, Add	*79.20*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,336.64	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.98*	
		For Clear Anodized Finish, Add	*62.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.94*	
		For Color Anodized Finish, Add	*87.42*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,481.96	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.78*	
		For Clear Anodized Finish, Add	*69.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.34*	
		For Color Anodized Finish, Add	*97.23*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	95.72	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.85*	
		For Clear Anodized Finish, Add	*4.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.56*	
		For Color Anodized Finish, Add	*6.48*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,909.09	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.53*	
		For Clear Anodized Finish, Add	*91.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.59*	
		For Color Anodized Finish, Add	*127.86*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,146.34	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.17*	
		For Clear Anodized Finish, Add	*102.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.52*	
		For Color Anodized Finish, Add	*144.10*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,425.28	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.65*	
		For Clear Anodized Finish, Add	*116.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.94*	
		For Color Anodized Finish, Add	*163.27*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	158.59	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.11*	
		For Clear Anodized Finish, Add	*7.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.33*	
		For Color Anodized Finish, Add	*10.88*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,920.55	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.76*	
		For Clear Anodized Finish, Add	*91.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*110.28*	
		For Color Anodized Finish, Add	*128.66*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,159.71	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.44*	
		For Clear Anodized Finish, Add	*103.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.32*	
		For Color Anodized Finish, Add	*145.04*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,440.83	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.96*	
		For Clear Anodized Finish, Add	*117.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.88*	
		For Color Anodized Finish, Add	*164.36*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	159.63	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.13*	
		For Clear Anodized Finish, Add	*7.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.39*	
		For Color Anodized Finish, Add	*10.96*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,038.93	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.13*	
		For Clear Anodized Finish, Add	*97.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.38*	
		For Color Anodized Finish, Add	*136.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,297.63	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.20*	
		For Clear Anodized Finish, Add	*110.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*132.59*	
		For Color Anodized Finish, Add	*154.69*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,601.51	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.17*	
		For Clear Anodized Finish, Add	*125.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*150.52*	
		For Color Anodized Finish, Add	*175.60*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	170.36	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.35*	
		For Clear Anodized Finish, Add	*8.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.04*	
		For Color Anodized Finish, Add	*11.71*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,424.09	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.83*	
		For Clear Anodized Finish, Add	*67.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.49*	
		For Color Anodized Finish, Add	*93.91*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,581.33	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.87*	
		For Clear Anodized Finish, Add	*74.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.62*	
		For Color Anodized Finish, Add	*104.55*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,767.03	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.48*	
		For Clear Anodized Finish, Add	*83.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.45*	
		For Color Anodized Finish, Add	*117.19*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	114.69	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.23*	
		For Clear Anodized Finish, Add	*5.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.70*	
		For Color Anodized Finish, Add	*7.81*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,119.11	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.73*	
		For Clear Anodized Finish, Add	*101.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.19*	
		For Color Anodized Finish, Add	*142.56*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,391.03	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.07*	
		For Clear Anodized Finish, Add	*115.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.20*	
		For Color Anodized Finish, Add	*161.23*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,710.35	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.35*	
		For Clear Anodized Finish, Add	*130.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.05*	
		For Color Anodized Finish, Add	*183.22*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	177.61	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.49*	
		For Clear Anodized Finish, Add	*8.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.47*	
		For Color Anodized Finish, Add	*12.22*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,375.00	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.85*	
		For Clear Anodized Finish, Add	*114.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.55*	
		For Color Anodized Finish, Add	*160.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,689.16	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.03*	
		For Clear Anodized Finish, Add	*130.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.09*	
		For Color Anodized Finish, Add	*182.10*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,057.62	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.29*	
		For Clear Anodized Finish, Add	*148.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.88*	
		For Color Anodized Finish, Add	*207.53*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	200.73	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.95*	
		For Clear Anodized Finish, Add	*9.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.86*	
		For Color Anodized Finish, Add	*13.83*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,607.93	49.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.51*	
		For Clear Anodized Finish, Add	*126.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*151.52*	
		For Color Anodized Finish, Add	*176.78*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,960.55	52.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.46*	
		For Clear Anodized Finish, Add	*143.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.37*	
		For Color Anodized Finish, Add	*201.10*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,373.79	55.73
		For 50% Fluoropolymer Finish (Acrynar), Add	*65.62*	
		For Clear Anodized Finish, Add	*164.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*196.85*	
		For Color Anodized Finish, Add	*229.66*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	221.83	1.86
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.37*	
		For Clear Anodized Finish, Add	*10.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.12*	
		For Color Anodized Finish, Add	*15.31*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	37.28	2.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.66*	
		For Clear Anodized Finish, Add	*1.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.98*	
		For Color Anodized Finish, Add	*2.31*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	425.77	20.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.82*	
		For Clear Anodized Finish, Add	*19.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.47*	
		For Color Anodized Finish, Add	*27.38*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	561.97	34.68
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.08*	
		For Clear Anodized Finish, Add	*25.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.25*	
		For Color Anodized Finish, Add	*35.29*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	637.99	52.02
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.03*	
		For Clear Anodized Finish, Add	*27.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.08*	
		For Color Anodized Finish, Add	*38.59*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	723.43	69.35
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.16*	
		For Clear Anodized Finish, Add	*30.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.47*	
		For Color Anodized Finish, Add	*42.55*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	889.60	104.04
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.32*	
		For Clear Anodized Finish, Add	*35.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.97*	
		For Color Anodized Finish, Add	*50.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	29.60	4.34
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.45*	
		For Clear Anodized Finish, Add	*1.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.34*	
		For Color Anodized Finish, Add	*1.57*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	5.22	2.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For Clear Anodized Finish, Add	*0.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.13*	
		For Color Anodized Finish, Add	*0.15*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	11.35	2.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.17*	
		For Clear Anodized Finish, Add	*0.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.50*	
		For Color Anodized Finish, Add	*0.58*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	19.52	2.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.24*	
		For Clear Anodized Finish, Add	*0.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.71*	
		For Color Anodized Finish, Add	*0.82*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	25.27	2.32
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.33*	
		For Clear Anodized Finish, Add	*0.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.99*	
		For Color Anodized Finish, Add	*1.15*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	382.55	10.31
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	175.23	10.31

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types *(08 51 19)*

08 51 19 00-0002 Industrial *(08 51 19 00-0001)*

08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	112.67	3.10
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	82.33	3.10

08 51 19 00-0005 Projected Sash *(08 51 19 00-0001)*

08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	118.33	3.10
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	131.75	3.10

08 51 19 00-0008 Other Type Sash *(08 51 19 00-0001)*

08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	145.13	3.10
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	99.55	3.10
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	81.43	3.10
08 51 19 00-0012	SF	Sliding Stainless Steel Window	150.04	3.10

08 51 19 00-0013 Casements *(08 51 19 00-0001)*

08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	128.97	3.10
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	110.11	3.10
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	74.52	3.10

08 51 23 Steel Windows *(08 51)*

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

08 51 23 00-0001 Steel Windows *(08 51 23)*

08 51 23 00-0002 Industrial *(08 51 23 00-0001)*

08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	103.02	3.10
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	90.60	3.10
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	153.91	3.10
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	129.08	3.10

08 51 23 00-0007 Projected Sash *(08 51 23 00-0001)*

08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	120.48	3.10
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	134.13	3.10

08 51 23 00-0010 Other Type Sash *(08 51 23 00-0001)*

08 51 23 00-0011	SF	Double Hung Steel Window Sash	158.23	3.10
08 51 23 00-0012	SF	Steel Picture Window Sash	61.05	3.10
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	163.61	3.87
08 51 23 00-0014	SF	Single Hung Steel Window Sash	108.40	3.10

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0015		Casements *(08 51 23 00-0001)*			
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed		140.59	1.54
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed		119.96	1.54
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed		81.02	2.32
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*			
08 51 23 00-0020	LF	Open Faced Steel Mullion		45.18	2.32
08 51 23 00-0021	LF	Covered Steel Mullions		84.20	2.32
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*			
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.			
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame		8.97	
08 51 69		**Metal Storm Windows** *(08 51)*			
08 51 69 00-0001		Storm Windows *(08 51 69)*			
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen		60.97	1.54
08 52		**Wood Windows** *(08 50)*			
08 52 11		**Wood Windows** *(08 52)*			
08 52 11 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)*			
		Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.			
08 52 11 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*			
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		273.77	
		For Low-E Insulated Glass, Add		*29.63*	
		For Aluminum Clad Exterior, Add		*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		291.88	
		For Low-E Insulated Glass, Add		*31.76*	
		For Aluminum Clad Exterior, Add		*34.03*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		311.53	
		For Low-E Insulated Glass, Add		*34.11*	
		For Aluminum Clad Exterior, Add		*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		322.11	
		For Low-E Insulated Glass, Add		*35.39*	
		For Aluminum Clad Exterior, Add		*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		331.17	
		For Low-E Insulated Glass, Add		*36.45*	
		For Aluminum Clad Exterior, Add		*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		343.27	
		For Low-E Insulated Glass, Add		*37.94*	
		For Aluminum Clad Exterior, Add		*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		347.81	
		For Low-E Insulated Glass, Add		*38.38*	
		For Aluminum Clad Exterior, Add		*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		371.97	
		For Low-E Insulated Glass, Add		*41.35*	
		For Aluminum Clad Exterior, Add		*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows		391.61	
		For Low-E Insulated Glass, Add		*43.70*	
		For Aluminum Clad Exterior, Add		*46.82*	
08 52 11 00-0012		34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*			
08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		291.88	
		For Low-E Insulated Glass, Add		*31.76*	
		For Aluminum Clad Exterior, Add		*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		311.53	
		For Low-E Insulated Glass, Add		*34.11*	
		For Aluminum Clad Exterior, Add		*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		329.72	
		For Low-E Insulated Glass, Add		*36.45*	
		For Aluminum Clad Exterior, Add		*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		343.27	
		For Low-E Insulated Glass, Add		*37.94*	
		For Aluminum Clad Exterior, Add		*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		352.33	
		For Low-E Insulated Glass, Add		*39.01*	
		For Aluminum Clad Exterior, Add		*41.80*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		362.91	
		For Low-E Insulated Glass, Add		*40.29*	
		For Aluminum Clad Exterior, Add		*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows		371.97	
		For Low-E Insulated Glass, Add		*41.35*	
		For Aluminum Clad Exterior, Add		*44.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	391.61	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	411.25	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	301.75	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	321.39	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	342.55	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	351.60	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	362.19	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	371.25	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	381.82	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	399.94	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	419.58	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	312.25	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	331.89	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	353.05	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	363.64	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	372.69	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	383.26	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	392.33	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	411.97	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	431.61	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	352.33	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	371.97	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	391.61	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	400.66	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	411.25	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	420.30	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	430.89	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	450.52	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	471.68	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	362.19	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	381.82	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	399.94	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	410.52	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	419.58	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	430.16	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	439.22	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	460.38	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	480.02	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	372.69	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	392.33	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	411.97	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	421.02	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	431.61	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	440.66	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	451.24	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	472.41	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	492.04	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	392.33	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	411.97	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	431.61	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	440.66	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	451.24	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	461.82	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	472.41	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	492.04	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	511.68	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	411.25	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	430.89	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	450.52	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	461.10	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	471.68	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	480.74	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	491.32	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	510.95	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	529.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	419.58	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	439.22	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	460.38	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	470.96	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	480.02	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	490.59	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	499.66	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	519.30	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	538.92	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	431.61	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	451.24	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	472.41	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	481.46	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	492.04	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	501.10	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	511.68	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	529.79	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	549.44	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	451.24	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	472.41	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	492.04	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	501.10	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	511.68	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	520.74	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	529.79	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	549.44	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	569.07	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	471.68	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	491.32	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	510.95	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	520.02	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	529.08	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	544.17	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	550.30	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	568.36	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	589.51	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	492.04	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	511.68	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	529.79	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	540.38	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	549.44	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	560.01	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	569.07	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	590.24	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	609.87	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	514.56	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	532.69	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	552.32	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	562.91	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	571.97	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	582.54	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	593.12	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	612.77	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	632.40	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	

08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows *(08 52 11)*
Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	178.54	6.45
		For Insulating Glass, Add	*14.08*	
08 52 11 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	162.64	7.17
		For Insulating Glass, Add	*12.61*	
08 52 11 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	146.64	8.05
		For Insulating Glass, Add	*11.09*	

08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows *(08 52 11)*
Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	196.00	6.45
		For Insulating Glass, Add	*15.57*	
08 52 11 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	172.06	7.16
		For Insulating Glass, Add	*13.41*	
08 52 11 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	152.16	8.04
		For Insulating Glass, Add	*11.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0160		Removal And Reinstallation Of Wood Window And Frame *(08 52 11)* Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	13.90	
08 52 13		**Metal-Clad Wood Windows** *(08 52)*		
08 52 13 00-0001		Double Hung Metal Clad Windows *(08 52 13)*		
08 52 13 00-0002		Double Hung Metal Clad Windows *(08 52 13 00-0001)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003		36-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0004	EA	21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.83	23.74
		For Tempered Low-E Insulated Glass, Add	*144.77*	
08 52 13 00-0005	EA	25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	820.18	24.51
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0006	EA	29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	872.46	25.54
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0007	EA	31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	900.08	26.32
		For Tempered Low-E Insulated Glass, Add	*169.59*	
08 52 13 00-0008	EA	33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	924.76	26.83
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0009	EA	35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	949.43	27.35
		For Tempered Low-E Insulated Glass, Add	*179.05*	
08 52 13 00-0010	EA	37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.06	27.61
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0011	EA	41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.64
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0012	EA	45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.67
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0013		40-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0014	EA	21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	820.18	24.77
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0015	EA	25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	872.46	25.54
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0016	EA	29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	924.76	26.57
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0017	EA	31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	949.43	27.35
		For Tempered Low-E Insulated Glass, Add	*179.05*	
08 52 13 00-0018	EA	33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.06	27.86
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0019	EA	35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,001.74	28.38
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0020	EA	37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.64
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0021	EA	41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.67
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0022	EA	45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.71
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0023		44-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0024	EA	21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	872.46	25.80
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0025	EA	25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	924.76	26.57
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0026	EA	29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.06	27.61
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0027	EA	31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,001.74	28.38
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0028	EA	33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.90
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0029	EA	35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,054.00	29.42
		For Tempered Low-E Insulated Glass, Add	*199.14*	
08 52 13 00-0030	EA	37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.67
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0031	EA	41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.71
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0032	EA	45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	31.74
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0033		48-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0034	EA	21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	924.76	26.83
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0035	EA	25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.06	27.61
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0036	EA	29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.64
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0037	EA	31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,054.00	29.42
		For Tempered Low-E Insulated Glass, Add	*199.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0038	EA	33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.93
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0039	EA	35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,103.34	30.44
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0040	EA	37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.71
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0041	EA	41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	31.74
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0042	EA	45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	32.76
		For Tempered Low-E Insulated Glass, Add	*233.42*	

08 52 13 00-0043 52-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0044	EA	21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	977.06	27.86
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0045	EA	25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.64
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0046	EA	29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.67
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0047	EA	31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,103.34	30.44
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0048	EA	33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.96
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0049	EA	35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,155.64	31.47
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0050	EA	37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	31.74
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0051	EA	41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	32.76
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0052	EA	45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	33.80
		For Tempered Low-E Insulated Glass, Add	*243.46*	

08 52 13 00-0053 56-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0054	EA	21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,026.41	28.90
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0055	EA	25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.67
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0056	EA	29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.71
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0057	EA	31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,155.64	31.47
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0058	EA	33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	32.00
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0059	EA	35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,207.94	32.51
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0060	EA	37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	32.76
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0061	EA	41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	33.80
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0062	EA	45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	34.83
		For Tempered Low-E Insulated Glass, Add	*253.50*	

08 52 13 00-0063 60-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0064	EA	21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,078.68	29.93
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0065	EA	25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.71
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0066	EA	29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	31.74
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0067	EA	31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,207.94	32.51
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0068	EA	33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	33.03
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0069	EA	35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,260.24	33.54
		For Tempered Low-E Insulated Glass, Add	*238.73*	
08 52 13 00-0070	EA	37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	33.80
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0071	EA	41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	34.83
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0072	EA	45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.51	35.86
		For Tempered Low-E Insulated Glass, Add	*262.96*	

08 52 13 00-0073 64-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0074	EA	21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.96	30.96
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0075	EA	25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	31.74
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0076	EA	29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	32.76
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0077	EA	31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,260.24	33.54
		For Tempered Low-E Insulated Glass, Add	*238.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0078	EA	33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	34.06
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0079	EA	35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,309.58	34.57
		For Tempered Low-E Insulated Glass, Add	*248.19*	
08 52 13 00-0080	EA	37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	34.83
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0081	EA	41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.51	35.86
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0082	EA	45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,438.82	36.89
		For Tempered Low-E Insulated Glass, Add	*273.01*	

08 52 13 00-0083 68-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0084	EA	21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.27	32.00
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0085	EA	25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	32.76
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0086	EA	29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	33.80
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0087	EA	31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,309.58	34.57
		For Tempered Low-E Insulated Glass, Add	*248.19*	
08 52 13 00-0088	EA	33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	35.08
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0089	EA	35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,361.85	35.61
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0090	EA	37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.51	35.86
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0091	EA	41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,438.82	36.89
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0092	EA	45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,491.12	37.93
		For Tempered Low-E Insulated Glass, Add	*283.05*	

08 52 13 00-0093 72-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0094	EA	21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.61	33.03
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0095	EA	25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	33.80
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	34.83
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,361.85	35.61
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.51	36.12
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,414.15	36.64
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,438.82	36.89
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,491.12	37.93
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,543.41	38.96
		For Tempered Low-E Insulated Glass, Add	*293.10*	

08 52 13 00-0103 76-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,284.91	34.06
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,337.19	34.83
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.51	35.86
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,414.15	36.64
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,438.82	37.15
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,466.44	37.67
		For Tempered Low-E Insulated Glass, Add	*278.32*	
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,491.12	37.93
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,543.41	38.96
		For Tempered Low-E Insulated Glass, Add	*293.10*	
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,592.76	39.99
		For Tempered Low-E Insulated Glass, Add	*302.55*	

08 52 13 00-0113 84-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,089.73	36.12
		For Tempered Low-E Insulated Glass, Add	*403.60*	
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,165.67	36.89
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,241.58	37.93
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,278.07	38.70
		For Tempered Low-E Insulated Glass, Add	*440.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,317.52	39.22
		For Tempered Low-E Insulated Glass, Add	*447.92*	
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,354.01	39.74
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,390.50	39.99
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,466.43	41.03
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,542.34	42.06
		For Tempered Low-E Insulated Glass, Add	*491.65*	

08 52 13 00-0123 88-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,165.67	37.15
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,241.58	37.93
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,317.52	38.96
		For Tempered Low-E Insulated Glass, Add	*447.92*	
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,354.01	39.74
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,390.50	40.25
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,429.94	40.76
		For Tempered Low-E Insulated Glass, Add	*469.79*	
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,466.43	41.03
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,542.34	42.06
		For Tempered Low-E Insulated Glass, Add	*491.65*	
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,618.28	43.08
		For Tempered Low-E Insulated Glass, Add	*506.42*	

08 52 13 00-0133 Casement Metal Clad Windows *(08 52 13)*

08 52 13 00-0134 Casement Metal Clad Windows *(08 52 13 00-0133)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0135 One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0134)*

08 52 13 00-0136 24-1/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0137	EA	17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	475.77	19.61
		For Tempered Low-E Insulated Glass, Add	*87.41*	
08 52 13 00-0138	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	504.45	20.12
		For Tempered Low-E Insulated Glass, Add	*92.84*	
08 52 13 00-0139	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	535.87	21.15
		For Tempered Low-E Insulated Glass, Add	*98.71*	
08 52 13 00-0140	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	564.58	22.19
		For Tempered Low-E Insulated Glass, Add	*104.04*	

08 52 13 00-0141 28-3/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0142	EA	17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	511.72	20.64
		For Tempered Low-E Insulated Glass, Add	*94.19*	
08 52 13 00-0143	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	540.41	21.15
		For Tempered Low-E Insulated Glass, Add	*99.62*	
08 52 13 00-0144	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	571.85	22.19
		For Tempered Low-E Insulated Glass, Add	*105.49*	
08 52 13 00-0145	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.50	23.22
		For Tempered Low-E Insulated Glass, Add	*107.81*	
08 52 13 00-0146	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	623.47	24.25
		For Tempered Low-E Insulated Glass, Add	*115.10*	

08 52 13 00-0147 35-15/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0148	EA	17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	576.35	22.19
		For Tempered Low-E Insulated Glass, Add	*106.39*	
08 52 13 00-0149	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	607.28	23.22
		For Tempered Low-E Insulated Glass, Add	*112.27*	
08 52 13 00-0150	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	638.72	24.00
		For Tempered Low-E Insulated Glass, Add	*118.15*	
08 52 13 00-0151	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	690.51	25.03
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 13 00-0152	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	740.54	25.80
		For Tempered Low-E Insulated Glass, Add	*137.79*	
08 52 13 00-0153	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	790.24	26.32
		For Tempered Low-E Insulated Glass, Add	*147.52*	

08 52 13 00-0154 40-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0155	EA	17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	619.62	23.74
		For Tempered Low-E Insulated Glass, Add	*114.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0156	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	648.26	24.25
		For Tempered Low-E Insulated Glass, Add	*119.95*	
08 52 13 00-0157	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	679.71	25.29
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0158	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	756.36	26.32
		For Tempered Low-E Insulated Glass, Add	*140.74*	
08 52 13 00-0159	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	808.92	27.35
		For Tempered Low-E Insulated Glass, Add	*150.95*	
08 52 13 00-0160	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	857.14	28.38
		For Tempered Low-E Insulated Glass, Add	*160.18*	
08 52 13 00-0161		**48" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0162	EA	17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	680.22	25.80
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0163	EA	20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	711.16	26.32
		For Tempered Low-E Insulated Glass, Add	*131.70*	
08 52 13 00-0164	EA	24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	742.60	27.35
		For Tempered Low-E Insulated Glass, Add	*137.58*	
08 52 13 00-0165	EA	28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	849.72	28.38
		For Tempered Low-E Insulated Glass, Add	*158.59*	
08 52 13 00-0166	EA	31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	890.27	29.42
		For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 13 00-0167	EA	35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	951.63	30.44
		For Tempered Low-E Insulated Glass, Add	*178.25*	
08 52 13 00-0168		**52-13/16" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0169	EA	17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	722.96	26.83
		For Tempered Low-E Insulated Glass, Add	*133.96*	
08 52 13 00-0170	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	751.64	27.35
		For Tempered Low-E Insulated Glass, Add	*139.39*	
08 52 13 00-0171	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	783.08	28.38
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0172	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	916.19	29.42
		For Tempered Low-E Insulated Glass, Add	*171.47*	
08 52 13 00-0173	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	978.17	30.44
		For Tempered Low-E Insulated Glass, Add	*183.56*	
08 52 13 00-0174	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,016.99	31.47
		For Tempered Low-E Insulated Glass, Add	*190.91*	
08 52 13 00-0175		**59-7/8" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0176	EA	17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	783.08	28.38
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0177	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	814.01	29.42
		For Tempered Low-E Insulated Glass, Add	*151.14*	
08 52 13 00-0178	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	845.42	30.18
		For Tempered Low-E Insulated Glass, Add	*157.01*	
08 52 13 00-0179	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,010.21	31.22
		For Tempered Low-E Insulated Glass, Add	*189.55*	
08 52 13 00-0180	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,053.29	32.00
		For Tempered Low-E Insulated Glass, Add	*197.86*	
08 52 13 00-0181	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,110.96	33.03
		For Tempered Low-E Insulated Glass, Add	*208.98*	
08 52 13 00-0182		**64-13/16" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0183	EA	17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.33	29.93
		For Tempered Low-E Insulated Glass, Add	*153.40*	
08 52 13 00-0184	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	855.00	30.44
		For Tempered Low-E Insulated Glass, Add	*158.82*	
08 52 13 00-0185	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	886.45	31.47
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0186	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,076.04	32.51
		For Tempered Low-E Insulated Glass, Add	*202.21*	
08 52 13 00-0187	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,115.93	33.54
		For Tempered Low-E Insulated Glass, Add	*209.87*	
08 52 13 00-0188	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,176.83	34.57
		For Tempered Low-E Insulated Glass, Add	*221.64*	
08 52 13 00-0189		**71-7/8" Height, One Operating Sash, Casement Metal Clad Windows** *(08 52 13 00-0135)*		
08 52 13 00-0190	EA	17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	886.45	31.47
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0191	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.34	32.51
		For Tempered Low-E Insulated Glass, Add	*170.57*	
08 52 13 00-0192	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	948.79	33.28
		For Tempered Low-E Insulated Glass, Add	*176.44*	
08 52 13 00-0193	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,170.05	34.32
		For Tempered Low-E Insulated Glass, Add	*220.28*	
08 52 13 00-0194	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,219.64	35.08
		For Tempered Low-E Insulated Glass, Add	*229.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0195	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,270.84	36.12
		For Tempered Low-E Insulated Glass, Add	*239.72*	
08 52 13 00-0196		Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0197		24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0198	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	887.48	25.29
		For Tempered Low-E Insulated Glass, Add	*167.38*	
08 52 13 00-0199	EA	48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,013.98	27.35
		For Tempered Low-E Insulated Glass, Add	*191.86*	
08 52 13 00-0200	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,161.73	29.42
		For Tempered Low-E Insulated Glass, Add	*220.58*	
08 52 13 00-0201		28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0202	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	961.26	26.32
		For Tempered Low-E Insulated Glass, Add	*181.72*	
08 52 13 00-0203	EA	48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,087.74	28.38
		For Tempered Low-E Insulated Glass, Add	*206.20*	
08 52 13 00-0204	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,235.51	30.44
		For Tempered Low-E Insulated Glass, Add	*234.92*	
08 52 13 00-0205		35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0206	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	951.64	26.32
		For Tempered Low-E Insulated Glass, Add	*179.80*	
08 52 13 00-0207	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,081.80	28.38
		For Tempered Low-E Insulated Glass, Add	*205.11*	
08 52 13 00-0208	EA	48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,216.98	30.44
		For Tempered Low-E Insulated Glass, Add	*231.32*	
08 52 13 00-0209	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,374.76	32.25
		For Tempered Low-E Insulated Glass, Add	*262.05*	
08 52 13 00-0210	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,479.82	33.80
		For Tempered Low-E Insulated Glass, Add	*282.44*	
08 52 13 00-0211	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,655.93	36.12
		For Tempered Low-E Insulated Glass, Add	*316.74*	
08 52 13 00-0212		40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0213	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,042.35	27.61
		For Tempered Low-E Insulated Glass, Add	*197.43*	
08 52 13 00-0214	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,172.48	29.42
		For Tempered Low-E Insulated Glass, Add	*222.73*	
08 52 13 00-0215	EA	48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,307.68	31.47
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0216	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,465.48	33.54
		For Tempered Low-E Insulated Glass, Add	*279.68*	
08 52 13 00-0217	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,582.53	35.08
		For Tempered Low-E Insulated Glass, Add	*302.47*	
08 52 13 00-0218	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,092.38	37.42
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0219		48" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0220	EA	33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,175.29	29.67
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 13 00-0221	EA	40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,307.68	31.47
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0222	EA	48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,442.89	33.54
		For Tempered Low-E Insulated Glass, Add	*275.16*	
08 52 13 00-0223	EA	56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,600.67	35.61
		For Tempered Low-E Insulated Glass, Add	*305.89*	
08 52 13 00-0224	EA	62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,712.51	37.15
		For Tempered Low-E Insulated Glass, Add	*327.64*	
08 52 13 00-0225	EA	71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,881.81	39.47
		For Tempered Low-E Insulated Glass, Add	*360.57*	
08 52 13 00-0226		52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0227	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,265.46	30.71
		For Tempered Low-E Insulated Glass, Add	*240.81*	
08 52 13 00-0228	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,395.62	32.51
		For Tempered Low-E Insulated Glass, Add	*266.12*	
08 52 13 00-0229	EA	48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,514.04	34.57
		For Tempered Low-E Insulated Glass, Add	*288.98*	
08 52 13 00-0230	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,688.60	36.64
		For Tempered Low-E Insulated Glass, Add	*323.06*	
08 52 13 00-0231	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,806.09	38.18
		For Tempered Low-E Insulated Glass, Add	*345.94*	
08 52 13 00-0232	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,972.01	40.51
		For Tempered Low-E Insulated Glass, Add	*378.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0233		59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0234	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,397.87	32.51
		For Tempered Low-E Insulated Glass, Add	*266.57*	
08 52 13 00-0235	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,528.02	34.57
		For Tempered Low-E Insulated Glass, Add	*291.88*	
08 52 13 00-0236	EA	48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,663.23	36.64
		For Tempered Low-E Insulated Glass, Add	*318.09*	
08 52 13 00-0237	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,821.02	38.44
		For Tempered Low-E Insulated Glass, Add	*348.83*	
08 52 13 00-0238	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,938.52	39.99
		For Tempered Low-E Insulated Glass, Add	*371.71*	
08 52 13 00-0239	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,102.19	42.32
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0240		64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0241	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,488.57	33.80
		For Tempered Low-E Insulated Glass, Add	*284.19*	
08 52 13 00-0242	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,618.74	35.61
		For Tempered Low-E Insulated Glass, Add	*309.51*	
08 52 13 00-0243	EA	48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,756.17	37.67
		For Tempered Low-E Insulated Glass, Add	*336.17*	
08 52 13 00-0244	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,913.99	39.74
		For Tempered Low-E Insulated Glass, Add	*366.90*	
08 52 13 00-0245		71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0246	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,620.99	35.61
		For Tempered Low-E Insulated Glass, Add	*309.96*	
08 52 13 00-0247	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,751.15	37.67
		For Tempered Low-E Insulated Glass, Add	*335.27*	
08 52 13 00-0248	EA	48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,886.34	39.74
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0249	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,044.13	41.54
		For Tempered Low-E Insulated Glass, Add	*392.21*	
08 52 13 00-0250		One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0251		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0252	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,433.51	33.28
		For Tempered Low-E Insulated Glass, Add	*273.39*	
08 52 13 00-0253	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,675.46	36.64
		For Tempered Low-E Insulated Glass, Add	*320.44*	
08 52 13 00-0254		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0255	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,525.09	34.32
		For Tempered Low-E Insulated Glass, Add	*291.29*	
08 52 13 00-0256	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,750.26	37.67
		For Tempered Low-E Insulated Glass, Add	*334.99*	
08 52 13 00-0257		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0258	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,465.93	33.54
		For Tempered Low-E Insulated Glass, Add	*279.77*	
08 52 13 00-0259	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,660.43	36.12
		For Tempered Low-E Insulated Glass, Add	*317.64*	
08 52 13 00-0260	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,899.91	39.74
		For Tempered Low-E Insulated Glass, Add	*364.19*	
08 52 13 00-0261		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0250)*		
08 52 13 00-0262	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,552.05	35.08
		For Tempered Low-E Insulated Glass, Add	*296.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0263	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,753.41	37.42
		For Tempered Low-E Insulated Glass, Add	*335.72*	
08 52 13 00-0264	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,990.60	40.76
		For Tempered Low-E Insulated Glass, Add	*381.81*	
08 52 13 00-0265		**48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0266	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,886.34	39.47
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0267	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,123.52	42.83
		For Tempered Low-E Insulated Glass, Add	*407.57*	
08 52 13 00-0268		**52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0269	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,976.54	40.51
		For Tempered Low-E Insulated Glass, Add	*379.11*	
08 52 13 00-0270	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,213.74	43.86
		For Tempered Low-E Insulated Glass, Add	*425.20*	
08 52 13 00-0271		**59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0272	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,106.69	42.32
		For Tempered Low-E Insulated Glass, Add	*404.41*	
08 52 13 00-0273	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,346.15	45.93
		For Tempered Low-E Insulated Glass, Add	*450.96*	
08 52 13 00-0274		**Awning Metal Clad Windows** *(08 52 13)*		
08 52 13 00-0275		**Awning Metal Clad Windows** *(08 52 13 00-0274)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276		**Venting, Awning Metal Clad Windows** *(08 52 13 00-0275)*		
08 52 13 00-0277		**17" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0278	EA	24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	514.35	21.15
		For Tempered Low-E Insulated Glass, Add	*94.41*	
08 52 13 00-0279	EA	28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	552.54	22.19
		For Tempered Low-E Insulated Glass, Add	*101.63*	
08 52 13 00-0280	EA	31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	584.15	22.96
		For Tempered Low-E Insulated Glass, Add	*107.64*	
08 52 13 00-0281	EA	35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	623.94	24.00
		For Tempered Low-E Insulated Glass, Add	*115.19*	
08 52 13 00-0282	EA	40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	669.47	25.29
		For Tempered Low-E Insulated Glass, Add	*123.78*	
08 52 13 00-0283	EA	48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	739.11	27.35
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0284	EA	52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	784.12	28.38
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0285	EA	59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	848.74	30.44
		For Tempered Low-E Insulated Glass, Add	*157.67*	
08 52 13 00-0286	EA	64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	870.66	31.47
		For Tempered Low-E Insulated Glass, Add	*161.54*	
08 52 13 00-0287	EA	71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	934.53	33.28
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0288		**20-1/2" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0289	EA	24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	544.11	22.19
		For Tempered Low-E Insulated Glass, Add	*100.05*	
08 52 13 00-0290	EA	28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.75	23.22
		For Tempered Low-E Insulated Glass, Add	*107.96*	
08 52 13 00-0291	EA	31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	612.51	23.74
		For Tempered Low-E Insulated Glass, Add	*113.01*	
08 52 13 00-0292	EA	35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	657.13	24.77
		For Tempered Low-E Insulated Glass, Add	*121.52*	
08 52 13 00-0293	EA	40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	702.64	26.32
		For Tempered Low-E Insulated Glass, Add	*130.11*	
08 52 13 00-0294	EA	48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.04	28.12
		For Tempered Low-E Insulated Glass, Add	*142.76*	
08 52 13 00-0295	EA	52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	815.05	29.42
		For Tempered Low-E Insulated Glass, Add	*151.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0296	EA	59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	881.92	30.96
		For Tempered Low-E Insulated Glass, Add	*164.00*	
08 52 13 00-0297	EA	64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	901.22	32.51
		For Tempered Low-E Insulated Glass, Add	*167.34*	
08 52 13 00-0298	EA	71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	967.30	34.06
		For Tempered Low-E Insulated Glass, Add	*179.84*	
08 52 13 00-0299	EA	84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,547.88	37.67
		For Tempered Low-E Insulated Glass, Add	*294.61*	

08 52 13 00-0300 24-1/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0301	EA	24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	581.22	23.22
		For Tempered Low-E Insulated Glass, Add	*107.06*	
08 52 13 00-0302	EA	28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	619.44	24.25
		For Tempered Low-E Insulated Glass, Add	*114.29*	
08 52 13 00-0303	EA	31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	788.01	24.77
		For Tempered Low-E Insulated Glass, Add	*147.69*	
08 52 13 00-0304	EA	35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	844.50	25.80
		For Tempered Low-E Insulated Glass, Add	*158.58*	
08 52 13 00-0305	EA	40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	736.34	27.35
		For Tempered Low-E Insulated Glass, Add	*136.43*	
08 52 13 00-0306	EA	48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	806.01	29.15
		For Tempered Low-E Insulated Glass, Add	*149.54*	
08 52 13 00-0307	EA	52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	850.99	30.44
		For Tempered Low-E Insulated Glass, Add	*158.12*	
08 52 13 00-0308	EA	59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.90	32.00
		For Tempered Low-E Insulated Glass, Add	*170.78*	
08 52 13 00-0309	EA	64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	934.53	33.54
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0310	EA	71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	998.28	35.08
		For Tempered Low-E Insulated Glass, Add	*185.62*	
08 52 13 00-0311	EA	84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,632.35	38.70
		For Tempered Low-E Insulated Glass, Add	*311.09*	

08 52 13 00-0312 28-3/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0313	EA	24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	576.50	24.25
		For Tempered Low-E Insulated Glass, Add	*105.70*	
08 52 13 00-0314	EA	28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	777.97	25.29
		For Tempered Low-E Insulated Glass, Add	*145.58*	
08 52 13 00-0315	EA	31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	826.01	25.80
		For Tempered Low-E Insulated Glass, Add	*154.88*	
08 52 13 00-0316	EA	35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	749.40	26.83
		For Tempered Low-E Insulated Glass, Add	*139.15*	
08 52 13 00-0317	EA	40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	822.02	28.38
		For Tempered Low-E Insulated Glass, Add	*153.15*	
08 52 13 00-0318	EA	48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	927.82	30.18
		For Tempered Low-E Insulated Glass, Add	*173.49*	
08 52 13 00-0319	EA	52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	997.68	31.47
		For Tempered Low-E Insulated Glass, Add	*187.05*	
08 52 13 00-0320	EA	59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,103.00	33.03
		For Tempered Low-E Insulated Glass, Add	*207.39*	
08 52 13 00-0321	EA	64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,139.60	34.57
		For Tempered Low-E Insulated Glass, Add	*214.19*	
08 52 13 00-0322	EA	71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,241.37	36.12
		For Tempered Low-E Insulated Glass, Add	*233.83*	
08 52 13 00-0323	EA	84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,676.74	39.74
		For Tempered Low-E Insulated Glass, Add	*319.56*	

08 52 13 00-0324 31-1/2" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0325	EA	28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	676.04	25.80
		For Tempered Low-E Insulated Glass, Add	*124.89*	
08 52 13 00-0326	EA	31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	717.84	26.57
		For Tempered Low-E Insulated Glass, Add	*132.94*	
08 52 13 00-0327	EA	35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	775.48	27.61
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0328	EA	40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.38	28.90
		For Tempered Low-E Insulated Glass, Add	*156.32*	
08 52 13 00-0329	EA	48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	931.68	30.96
		For Tempered Low-E Insulated Glass, Add	*173.95*	
08 52 13 00-0330	EA	52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	996.98	32.00
		For Tempered Low-E Insulated Glass, Add	*186.60*	
08 52 13 00-0331	EA	59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,088.73	34.06
		For Tempered Low-E Insulated Glass, Add	*204.23*	
08 52 13 00-0332	EA	64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,152.66	35.08
		For Tempered Low-E Insulated Glass, Add	*216.50*	
08 52 13 00-0333	EA	71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,246.33	36.89
		For Tempered Low-E Insulated Glass, Add	*234.51*	
08 52 13 00-0334	EA	84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,794.83	40.25
		For Tempered Low-E Insulated Glass, Add	*342.87*	

08 52 13 00-0335 35-15/16" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0336	EA	31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	775.48	27.61
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0337	EA	35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	859.21	28.64
		For Tempered Low-E Insulated Glass, Add	*160.39*	
08 52 13 00-0338	EA	40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	931.84	29.93
		For Tempered Low-E Insulated Glass, Add	*174.40*	
08 52 13 00-0339	EA	48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,037.65	32.00
		For Tempered Low-E Insulated Glass, Add	*194.73*	
08 52 13 00-0340	EA	52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,109.75	33.03
		For Tempered Low-E Insulated Glass, Add	*208.74*	
08 52 13 00-0341	EA	59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,212.80	35.08
		For Tempered Low-E Insulated Glass, Add	*228.63*	
08 52 13 00-0342	EA	64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,038.35	36.12
		For Tempered Low-E Insulated Glass, Add	*193.22*	
08 52 13 00-0343	EA	71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,117.82	37.93
		For Tempered Low-E Insulated Glass, Add	*208.39*	

08 52 13 00-0344 40-3/4" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0345	EA	35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	915.70	29.93
		For Tempered Low-E Insulated Glass, Add	*171.68*	
08 52 13 00-0346	EA	40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,044.43	32.00
		For Tempered Low-E Insulated Glass, Add	*196.09*	

08 52 13 00-0347 48" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0348	EA	35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,105.44	32.00
		For Tempered Low-E Insulated Glass, Add	*208.29*	
08 52 13 00-0349	EA	40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,232.30	33.54
		For Tempered Low-E Insulated Glass, Add	*233.15*	
08 52 13 00-0350	EA	48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,417.20	35.35
		For Tempered Low-E Insulated Glass, Add	*269.30*	

08 52 13 00-0351 59-13/16" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0352	EA	35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,386.32	34.83
		For Tempered Low-E Insulated Glass, Add	*263.33*	
08 52 13 00-0353	EA	40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,496.82	36.12
		For Tempered Low-E Insulated Glass, Add	*284.92*	

08 52 13 00-0354 71-7/8" Height, Venting, Awning Metal Clad Windows *(08 52 13 00-0276)*

08 52 13 00-0355	EA	24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,527.12	35.08
		For Tempered Low-E Insulated Glass, Add	*291.39*	
08 52 13 00-0356	EA	35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,574.00	37.93
		For Tempered Low-E Insulated Glass, Add	*299.63*	
08 52 13 00-0357	EA	40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,752.15	39.22
		For Tempered Low-E Insulated Glass, Add	*334.74*	
08 52 13 00-0358	EA	48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,931.41	41.28
		For Tempered Low-E Insulated Glass, Add	*369.77*	

08 52 13 00-0359 Stationary, Awning Metal Clad Windows *(08 52 13 00-0275)*

08 52 13 00-0360 17" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0361	EA	24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	444.27	21.15
		For Tempered Low-E Insulated Glass, Add	*80.39*	
08 52 13 00-0362	EA	28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	480.24	22.19
		For Tempered Low-E Insulated Glass, Add	*87.17*	
08 52 13 00-0363	EA	31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	503.63	22.96
		For Tempered Low-E Insulated Glass, Add	*91.54*	
08 52 13 00-0364	EA	35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	542.61	24.00
		For Tempered Low-E Insulated Glass, Add	*98.92*	
08 52 13 00-0365	EA	40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	583.61	25.29
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 13 00-0366	EA	48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	646.47	27.35
		For Tempered Low-E Insulated Glass, Add	*118.35*	
08 52 13 00-0367	EA	52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	684.69	28.38
		For Tempered Low-E Insulated Glass, Add	*125.59*	
08 52 13 00-0368	EA	59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	744.78	30.44
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0369	EA	64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	785.79	31.47
		For Tempered Low-E Insulated Glass, Add	*144.57*	
08 52 13 00-0370	EA	71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	845.91	33.28
		For Tempered Low-E Insulated Glass, Add	*155.87*	

08 52 13 00-0371 20-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0372	EA	24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	472.94	22.19
		For Tempered Low-E Insulated Glass, Add	*85.82*	
08 52 13 00-0373	EA	28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	508.89	23.22
		For Tempered Low-E Insulated Glass, Add	*92.59*	
08 52 13 00-0374	EA	31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	530.11	23.74
		For Tempered Low-E Insulated Glass, Add	*96.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0375	EA	35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	573.52	24.77
		For Tempered Low-E Insulated Glass, Add	*104.80*	
08 52 13 00-0376	EA	40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	614.50	26.32
		For Tempered Low-E Insulated Glass, Add	*112.48*	
08 52 13 00-0377	EA	48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	675.15	28.12
		For Tempered Low-E Insulated Glass, Add	*123.78*	
08 52 13 00-0378	EA	52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	715.62	29.42
		For Tempered Low-E Insulated Glass, Add	*131.46*	
08 52 13 00-0379	EA	59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	773.46	30.96
		For Tempered Low-E Insulated Glass, Add	*142.31*	
08 52 13 00-0380	EA	64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	816.71	32.51
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 13 00-0381	EA	71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	874.55	34.06
		For Tempered Low-E Insulated Glass, Add	*161.29*	

08 52 13 00-0382 24-1/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0383	EA	24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	504.39	23.22
		For Tempered Low-E Insulated Glass, Add	*91.69*	
08 52 13 00-0384	EA	28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	540.33	24.25
		For Tempered Low-E Insulated Glass, Add	*98.47*	
08 52 13 00-0385	EA	31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	558.99	24.77
		For Tempered Low-E Insulated Glass, Add	*101.89*	
08 52 13 00-0386	EA	35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	602.70	25.80
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0387	EA	40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	643.70	27.35
		For Tempered Low-E Insulated Glass, Add	*117.90*	
08 52 13 00-0388	EA	48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	704.31	29.15
		For Tempered Low-E Insulated Glass, Add	*129.20*	
08 52 13 00-0389	EA	52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	744.78	30.44
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0390	EA	59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.91	32.00
		For Tempered Low-E Insulated Glass, Add	*148.18*	
08 52 13 00-0391	EA	64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	845.91	33.54
		For Tempered Low-E Insulated Glass, Add	*155.87*	
08 52 13 00-0392	EA	71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	906.00	35.08
		For Tempered Low-E Insulated Glass, Add	*167.16*	

08 52 13 00-0393 28-3/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0394	EA	24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	504.20	24.25
		For Tempered Low-E Insulated Glass, Add	*91.24*	
08 52 13 00-0395	EA	28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	553.71	25.29
		For Tempered Low-E Insulated Glass, Add	*100.73*	
08 52 13 00-0396	EA	31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	580.22	25.80
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0397	EA	35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	604.77	26.83
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0398	EA	40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	700.00	28.38
		For Tempered Low-E Insulated Glass, Add	*128.75*	
08 52 13 00-0399	EA	48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	783.20	30.18
		For Tempered Low-E Insulated Glass, Add	*144.57*	
08 52 13 00-0400	EA	52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.52	31.47
		For Tempered Low-E Insulated Glass, Add	*155.42*	
08 52 13 00-0401	EA	59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	922.21	33.03
		For Tempered Low-E Insulated Glass, Add	*171.23*	
08 52 13 00-0402	EA	64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	981.28	34.57
		For Tempered Low-E Insulated Glass, Add	*182.53*	
08 52 13 00-0403	EA	71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,063.99	36.12
		For Tempered Low-E Insulated Glass, Add	*198.35*	

08 52 13 00-0404 31-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0405	EA	28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	580.22	25.80
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0406	EA	31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	614.36	26.57
		For Tempered Low-E Insulated Glass, Add	*112.24*	
08 52 13 00-0407	EA	35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	660.49	27.61
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0408	EA	40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	712.91	28.90
		For Tempered Low-E Insulated Glass, Add	*131.02*	
08 52 13 00-0409	EA	48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	787.93	30.96
		For Tempered Low-E Insulated Glass, Add	*145.20*	
08 52 13 00-0410	EA	52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.84	32.00
		For Tempered Low-E Insulated Glass, Add	*155.17*	
08 52 13 00-0411	EA	59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	914.34	34.06
		For Tempered Low-E Insulated Glass, Add	*169.35*	
08 52 13 00-0412	EA	64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	964.84	35.08
		For Tempered Low-E Insulated Glass, Add	*178.93*	
08 52 13 00-0413	EA	71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,039.37	36.89
		For Tempered Low-E Insulated Glass, Add	*193.12*	

08 52 13 00-0414 35-15/16" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0415	EA	31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	660.49	27.61
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0416	EA	35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	730.41	28.64
		For Tempered Low-E Insulated Glass, Add	*134.63*	
08 52 13 00-0417	EA	40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	787.22	29.93
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0418	EA	48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	872.71	32.00
		For Tempered Low-E Insulated Glass, Add	*161.74*	
08 52 13 00-0419	EA	52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	929.00	33.03
		For Tempered Low-E Insulated Glass, Add	*172.59*	
08 52 13 00-0420	EA	59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,011.70	35.08
		For Tempered Low-E Insulated Glass, Add	*188.41*	
08 52 13 00-0421	EA	64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,068.49	36.12
		For Tempered Low-E Insulated Glass, Add	*199.25*	
08 52 13 00-0422	EA	71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,151.22	37.93
		For Tempered Low-E Insulated Glass, Add	*215.07*	

08 52 13 00-0423 Horizontal Sliding Metal Clad Windows *(08 52 13)*

08 52 13 00-0424 One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 13 00-0425 17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0426	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	634.27	27.35
		For Tempered Low-E Insulated Glass, Add	*116.02*	

08 52 13 00-0427 23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0428	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	580.97	25.29
		For Tempered Low-E Insulated Glass, Add	*105.98*	
08 52 13 00-0429	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	684.76	28.90
		For Tempered Low-E Insulated Glass, Add	*125.50*	

08 52 13 00-0430 35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0431	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	684.76	28.90
		For Tempered Low-E Insulated Glass, Add	*125.50*	
08 52 13 00-0432	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	788.58	32.00
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0433	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	892.37	34.83
		For Tempered Low-E Insulated Glass, Add	*164.54*	
08 52 13 00-0434	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	996.19	37.93
		For Tempered Low-E Insulated Glass, Add	*184.07*	

08 52 13 00-0435 41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0436	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	738.06	30.44
		For Tempered Low-E Insulated Glass, Add	*135.54*	
08 52 13 00-0437	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.07	33.54
		For Tempered Low-E Insulated Glass, Add	*154.50*	
08 52 13 00-0438	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	942.88	36.38
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0439	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,144.29	39.47
		For Tempered Low-E Insulated Glass, Add	*213.07*	

08 52 13 00-0440 47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0441	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	788.58	32.00
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0442	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	892.37	35.08
		For Tempered Low-E Insulated Glass, Add	*164.54*	
08 52 13 00-0443	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	996.19	37.93
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0444	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,099.96	41.03
		For Tempered Low-E Insulated Glass, Add	*203.58*	

08 52 13 00-0445 53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0446	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	942.88	36.64
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0447	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,046.67	39.47
		For Tempered Low-E Insulated Glass, Add	*193.54*	
08 52 13 00-0448	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,150.48	42.57
		For Tempered Low-E Insulated Glass, Add	*213.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0449		59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0450	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	996.19	38.18
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0451	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,099.96	41.03
		For Tempered Low-E Insulated Glass, Add	*203.58*	
08 52 13 00-0452	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,203.99	44.12
		For Tempered Low-E Insulated Glass, Add	*223.15*	
08 52 13 00-0453		Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0454		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0455	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,559.55	25.29
		For Tempered Low-E Insulated Glass, Add	*301.69*	
08 52 13 00-0456	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,864.17	28.90
		For Tempered Low-E Insulated Glass, Add	*361.38*	
08 52 13 00-0457		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0458	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,889.27	28.90
		For Tempered Low-E Insulated Glass, Add	*366.40*	
08 52 13 00-0459	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,196.66	32.00
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0460	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,501.25	34.83
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0461	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,805.86	37.93
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0462		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0463	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,042.95	30.44
		For Tempered Low-E Insulated Glass, Add	*396.52*	
08 52 13 00-0464	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,347.56	33.54
		For Tempered Low-E Insulated Glass, Add	*456.20*	
08 52 13 00-0465	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,654.96	36.38
		For Tempered Low-E Insulated Glass, Add	*516.44*	
08 52 13 00-0466	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,959.54	39.47
		For Tempered Low-E Insulated Glass, Add	*576.12*	
08 52 13 00-0467		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0468	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,196.66	32.00
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0469	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,501.25	35.08
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0470	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,805.86	37.93
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0471	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,113.21	41.03
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0472		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0473	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,501.25	35.08
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0474	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,805.86	38.18
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0475	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,113.21	41.03
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0476	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,417.83	44.12
		For Tempered Low-E Insulated Glass, Add	*665.92*	
08 52 13 00-0477		Picture Metal Clad Windows *(08 52 13)*		
08 52 13 00-0478		Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0477)*		
08 52 13 00-0479		Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0478)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0480		12" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		
08 52 13 00-0481	EA	40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	501.46	20.64
		For Tempered Low-E Insulated Glass, Add	*92.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0482	EA	48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	592.76	22.71
		For Tempered Low-E Insulated Glass, Add	*109.47*	
08 52 13 00-0483	EA	52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	631.33	23.74
		For Tempered Low-E Insulated Glass, Add	*116.77*	
08 52 13 00-0484	EA	59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	685.63	25.80
		For Tempered Low-E Insulated Glass, Add	*126.91*	
08 52 13 00-0485	EA	64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	722.66	26.83
		For Tempered Low-E Insulated Glass, Add	*133.80*	
08 52 13 00-0486	EA	71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	776.96	28.90
		For Tempered Low-E Insulated Glass, Add	*143.94*	

08 52 13 00-0487 35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0488	EA	35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	547.05	25.29
		For Tempered Low-E Insulated Glass, Add	*99.30*	
08 52 13 00-0489	EA	40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	643.43	26.83
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0490	EA	48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	784.84	28.64
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0491	EA	52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.42	29.67
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0492	EA	59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,017.03	31.47
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0493	EA	64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,113.40	32.76
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0494	EA	71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,709.60	34.57
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0496	EA	35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	643.43	26.83
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0497	EA	40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	739.81	27.86
		For Tempered Low-E Insulated Glass, Add	*136.82*	
08 52 13 00-0498	EA	48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	881.21	29.93
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0499	EA	52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	974.79	30.96
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0500	EA	59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,113.40	33.03
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0501	EA	64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,209.77	34.06
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0502	EA	71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,348.38	36.12
		For Tempered Low-E Insulated Glass, Add	*255.33*	

08 52 13 00-0503 48" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0504	EA	35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	784.84	28.90
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0505	EA	40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	881.21	29.93
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0506	EA	48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,022.62	32.00
		For Tempered Low-E Insulated Glass, Add	*191.73*	
08 52 13 00-0507	EA	52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,116.20	33.03
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0508	EA	59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,254.81	35.08
		For Tempered Low-E Insulated Glass, Add	*237.03*	
08 52 13 00-0509	EA	64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,351.18	36.12
		For Tempered Low-E Insulated Glass, Add	*255.79*	
08 52 13 00-0510	EA	71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,489.80	38.18
		For Tempered Low-E Insulated Glass, Add	*282.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0511		**52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0512	EA	35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.42	29.93
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0513	EA	40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	974.79	30.96
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0514	EA	48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,116.20	33.03
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0515	EA	52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,209.77	34.06
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0516	EA	59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,348.38	36.12
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0517	EA	64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,444.77	37.15
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0518	EA	71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,718.37	39.22
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0519		**59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0520	EA	35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,017.03	31.47
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0521	EA	40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,113.40	33.03
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0522	EA	48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,254.81	34.83
		For Tempered Low-E Insulated Glass, Add	*237.03*	
08 52 13 00-0523	EA	52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,348.38	35.86
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0524	EA	59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,486.99	37.67
		For Tempered Low-E Insulated Glass, Add	*282.33*	
08 52 13 00-0525	EA	64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,583.38	38.96
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0526	EA	71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.98	40.76
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0527		**64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0528	EA	35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,113.40	33.03
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0529	EA	40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,209.77	34.06
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0530	EA	48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,351.18	36.12
		For Tempered Low-E Insulated Glass, Add	*255.79*	
08 52 13 00-0531	EA	52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,444.77	37.15
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0532	EA	59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,718.37	39.22
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0533		**71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows** *(08 52 13 00-0479)*		
08 52 13 00-0534	EA	35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,252.01	34.57
		For Tempered Low-E Insulated Glass, Add	*236.57*	
08 52 13 00-0535	EA	40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,348.38	36.12
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0536	EA	48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,489.80	37.93
		For Tempered Low-E Insulated Glass, Add	*282.79*	
08 52 13 00-0537	EA	52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,583.38	38.96
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0538	EA	59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.98	40.76
		For Tempered Low-E Insulated Glass, Add	*328.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0539		Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0477)*		
08 52 13 00-0540		Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0539)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0541		48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0542	EA	12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	831.89	24.25
		For Tempered Low-E Insulated Glass, Add	*156.68*	
08 52 13 00-0543	EA	37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,175.15	30.96
		For Tempered Low-E Insulated Glass, Add	*222.75*	
08 52 13 00-0544	EA	41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,227.28	31.74
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0545	EA	47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,305.47	33.28
		For Tempered Low-E Insulated Glass, Add	*247.78*	
08 52 13 00-0546	EA	51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,357.59	34.57
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0547	EA	59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,464.33	36.38
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0548	EA	67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,571.06	38.70
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0549		52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0550	EA	12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	886.50	25.29
		For Tempered Low-E Insulated Glass, Add	*167.19*	
08 52 13 00-0551	EA	37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,227.28	32.00
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0552	EA	41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,281.88	32.76
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0553	EA	47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,357.59	34.32
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0554	EA	51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,412.19	35.61
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0555	EA	59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,518.93	37.42
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0556	EA	67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.69	39.74
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0557		56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0558	EA	12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	938.63	26.32
		For Tempered Low-E Insulated Glass, Add	*177.20*	
08 52 13 00-0559	EA	37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,281.88	33.03
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0560	EA	41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,334.02	33.80
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0561	EA	47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,412.19	35.35
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0562	EA	51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,464.33	36.64
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0563	EA	59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,571.06	38.44
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0564	EA	67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,680.29	40.76
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0565		60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0566	EA	12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	993.26	27.35
		For Tempered Low-E Insulated Glass, Add	*187.71*	
08 52 13 00-0567	EA	37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,334.02	34.06
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0568	EA	41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,388.66	34.83
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0569	EA	47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,464.33	36.38
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0570	EA	51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,518.93	37.67
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0571	EA	59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.69	39.47
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0572	EA	67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,732.43	41.79
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0573		64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0574	EA	12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,045.36	28.38
		For Tempered Low-E Insulated Glass, Add	*197.72*	
08 52 13 00-0575	EA	37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,388.66	35.08
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0576	EA	41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,443.25	35.86
		For Tempered Low-E Insulated Glass, Add	*274.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0577	EA	47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,518.93	37.42
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0578	EA	51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,571.06	38.70
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0579	EA	59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,680.29	40.51
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0580	EA	67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,787.06	42.83
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0581		68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0582	EA	12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,099.99	29.42
		For Tempered Low-E Insulated Glass, Add	*208.23*	
08 52 13 00-0583	EA	37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,443.25	36.12
		For Tempered Low-E Insulated Glass, Add	*274.31*	
08 52 13 00-0584	EA	41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,495.38	36.89
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0585	EA	47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,571.06	38.44
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0586	EA	51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.69	39.74
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0587	EA	59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,732.43	41.54
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0588	EA	67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,839.19	43.86
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0589		72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0590	EA	12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,152.12	30.44
		For Tempered Low-E Insulated Glass, Add	*218.25*	
08 52 13 00-0591	EA	37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,495.38	37.15
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0592	EA	41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,550.02	37.93
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0593	EA	47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.69	39.47
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0594	EA	51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,680.29	40.76
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0595	EA	59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,787.06	42.57
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0596	EA	67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,893.80	44.89
		For Tempered Low-E Insulated Glass, Add	*360.90*	
08 52 13 00-0597		76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*		
08 52 13 00-0598	EA	12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,206.74	31.47
		For Tempered Low-E Insulated Glass, Add	*228.76*	
08 52 13 00-0599	EA	37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,550.02	38.18
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0600	EA	41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,602.12	38.96
		For Tempered Low-E Insulated Glass, Add	*304.84*	
08 52 13 00-0601	EA	47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,680.29	40.51
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0602	EA	51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,732.43	41.79
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0603	EA	59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,839.19	43.60
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0604	EA	67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,945.92	45.93
		For Tempered Low-E Insulated Glass, Add	*370.92*	
08 52 13 00-0605		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0477)*		
08 52 13 00-0606		Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0605)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607		35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0608	EA	56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	702.70	32.25
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	
08 52 13 00-0609	EA	59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	721.79	33.03
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0610		47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0611	EA	47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	721.79	33.03
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0612	EA	71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	879.32	39.22
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0613		53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0614	EA	56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	822.14	36.89
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0615	EA	59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	841.19	37.67
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0616		56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0617	EA	35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	702.70	32.51
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	
08 52 13 00-0618	EA	53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	822.14	36.89
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0619		59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0620	EA	35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	721.79	33.03
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0621	EA	53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	841.19	37.67
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0622	EA	59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	879.32	39.22
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0623	EA	65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	919.96	40.76
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0624		65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0625	EA	59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	919.96	40.76
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0626		71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0627	EA	47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	879.32	39.22
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0628		Basement Metal Clad Windows *(08 52 13)*		
08 52 13 00-0629		Basement Metal Clad Windows *(08 52 13 00-0628)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630	EA	32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	357.34	20.64
		For Tempered Low-E Insulated Glass, Add	*63.21*	
08 52 13 00-0631	EA	32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	381.09	20.64
		For Tempered Low-E Insulated Glass, Add	*67.96*	
08 52 13 00-0632	EA	32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	401.98	20.64
		For Tempered Low-E Insulated Glass, Add	*72.14*	
08 52 13 00-0633		Accessories For Metal Clad Windows *(08 52 13)*		
08 52 13 00-0634		Insect Screens For Metal Clad Windows *(08 52 13 00-0633)*		
08 52 13 00-0635	EA	Up To 6 SF, Insect Screen For Metal Clad Wood Windows	60.58	4.45
08 52 13 00-0636	EA	>6 To 9 SF, Insect Screen For Metal Clad Wood Windows	75.35	4.45
08 52 13 00-0637	EA	>9 To 12 SF, Insect Screen For Metal Clad Wood Windows	82.75	4.45
08 52 13 00-0638	EA	>12 To 15 SF, Insect Screen For Metal Clad Wood Windows	97.53	4.45
08 52 13 00-0639	EA	>15 To 20 SF, Insect Screen For Metal Clad Wood Windows	127.08	4.45
08 52 13 00-0640	EA	>20 To 25 SF, Insect Screen For Metal Clad Wood Windows	141.85	4.45
08 52 13 00-0641	EA	>25 To 30 SF, Insect Screen For Metal Clad Wood Windows	156.60	4.45
08 52 13 00-0642	EA	>30 To 35 SF, Insect Screen For Metal Clad Wood Windows	171.37	4.45
08 52 13 00-0643	SF	>35 SF, Insect Screen For Metal Clad Wood Windows	5.29	0.09
08 52 13 00-0644		Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0633)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0645		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0646	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82	
08 52 13 00-0647	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08	
08 52 13 00-0648	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10	
08 52 13 00-0649	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13	
08 52 13 00-0650	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18	
08 52 13 00-0651		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0652	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82	
08 52 13 00-0653	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08	
08 52 13 00-0654	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10	
08 52 13 00-0655	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13	
08 52 13 00-0656	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18	
08 52 13 00-0657		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0658	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	102.66	
08 52 13 00-0659	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	151.29	
08 52 13 00-0660	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	205.32	
08 52 13 00-0661	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	259.36	
08 52 13 00-0662	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	367.42	
08 52 13 00-0663		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*		
08 52 13 00-0664	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	123.21	
08 52 13 00-0665	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	181.54	
08 52 13 00-0666	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	246.38	
08 52 13 00-0667	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	311.22	
08 52 13 00-0668	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	440.90	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Single Hung Wood Clad Windows *(08 52 16)*
Note: Single Hung windows feature a movable bottom sash and stationary top sash.

08 52 16 00-0002 Single Hung Wood Clad Windows *(08 52 16 00-0001)*
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Single Hung Wood Clad Window	339.53	23.74
		For Tempered Low-E Insulated Glass, Add	*58.41*	
		For Low-E Insulated Glass, Add	*35.05*	
		For Tempered Clear Insulated Glass, Add	*58.41*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Single Hung Wood Clad Window	360.54	24.77
		For Tempered Low-E Insulated Glass, Add	*62.20*	
		For Low-E Insulated Glass, Add	*37.32*	
		For Tempered Clear Insulated Glass, Add	*62.20*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Single Hung Wood Clad Window	379.97	25.80
		For Tempered Low-E Insulated Glass, Add	*65.67*	
		For Low-E Insulated Glass, Add	*39.40*	
		For Tempered Clear Insulated Glass, Add	*65.67*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Single Hung Wood Clad Window	399.41	26.83
		For Tempered Low-E Insulated Glass, Add	*69.15*	
		For Low-E Insulated Glass, Add	*41.49*	
		For Tempered Clear Insulated Glass, Add	*69.15*	

08 52 16 00-0008 41-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0009	EA	23-1/2" x 41-1/2" Single Hung Wood Clad Window	369.47	25.29
		For Tempered Low-E Insulated Glass, Add	*63.78*	
		For Low-E Insulated Glass, Add	*38.27*	
		For Tempered Clear Insulated Glass, Add	*63.78*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Single Hung Wood Clad Window	390.48	26.32
		For Tempered Low-E Insulated Glass, Add	*67.57*	
		For Low-E Insulated Glass, Add	*40.54*	
		For Tempered Clear Insulated Glass, Add	*67.57*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Single Hung Wood Clad Window	409.91	27.35
		For Tempered Low-E Insulated Glass, Add	*71.04*	
		For Low-E Insulated Glass, Add	*42.63*	
		For Tempered Clear Insulated Glass, Add	*71.04*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Single Hung Wood Clad Window	429.33	28.38
		For Tempered Low-E Insulated Glass, Add	*74.51*	
		For Low-E Insulated Glass, Add	*44.71*	
		For Tempered Clear Insulated Glass, Add	*74.51*	
08 52 16 00-0013		47-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0014	EA	23-1/2" x 47-1/2" Single Hung Wood Clad Window	399.41	26.83
		For Tempered Low-E Insulated Glass, Add	*69.15*	
		For Low-E Insulated Glass, Add	*41.49*	
		For Tempered Clear Insulated Glass, Add	*69.15*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Single Hung Wood Clad Window	418.83	27.86
		For Tempered Low-E Insulated Glass, Add	*72.62*	
		For Low-E Insulated Glass, Add	*43.57*	
		For Tempered Clear Insulated Glass, Add	*72.62*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Single Hung Wood Clad Window	439.84	28.90
		For Tempered Low-E Insulated Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*45.85*	
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Single Hung Wood Clad Window	459.27	29.93
		For Tempered Low-E Insulated Glass, Add	*79.88*	
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.88*	
08 52 16 00-0018		53-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0019	EA	23-1/2" x 53-1/2" Single Hung Wood Clad Window	429.33	28.38
		For Tempered Low-E Insulated Glass, Add	*74.51*	
		For Low-E Insulated Glass, Add	*44.71*	
		For Tempered Clear Insulated Glass, Add	*74.51*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Single Hung Wood Clad Window	448.76	29.42
		For Tempered Low-E Insulated Glass, Add	*77.99*	
		For Low-E Insulated Glass, Add	*46.79*	
		For Tempered Clear Insulated Glass, Add	*77.99*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Single Hung Wood Clad Window	468.20	30.44
		For Tempered Low-E Insulated Glass, Add	*81.46*	
		For Low-E Insulated Glass, Add	*48.88*	
		For Tempered Clear Insulated Glass, Add	*81.46*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Single Hung Wood Clad Window	489.21	31.47
		For Tempered Low-E Insulated Glass, Add	*85.25*	
		For Low-E Insulated Glass, Add	*51.15*	
		For Tempered Clear Insulated Glass, Add	*85.25*	
08 52 16 00-0023		56-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		
08 52 16 00-0024	EA	19-1/2" x 56-1/2" Single Hung Wood Clad Window	424.09	28.38
		For Tempered Low-E Insulated Glass, Add	*73.57*	
		For Low-E Insulated Glass, Add	*44.14*	
		For Tempered Clear Insulated Glass, Add	*73.57*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Single Hung Wood Clad Window	443.51	29.15
		For Tempered Low-E Insulated Glass, Add	*77.04*	
		For Low-E Insulated Glass, Add	*46.22*	
		For Tempered Clear Insulated Glass, Add	*77.04*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Single Hung Wood Clad Window	464.52	30.44
		For Tempered Low-E Insulated Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*48.50*	
		For Tempered Clear Insulated Glass, Add	*80.83*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Single Hung Wood Clad Window	483.95	31.47
		For Tempered Low-E Insulated Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*50.58*	
		For Tempered Clear Insulated Glass, Add	*84.30*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Single Hung Wood Clad Window	503.38	32.51
		For Tempered Low-E Insulated Glass, Add	*87.78*	
		For Low-E Insulated Glass, Add	*52.67*	
		For Tempered Clear Insulated Glass, Add	*87.78*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Single Hung Wood Clad Window	522.82	33.54
		For Tempered Low-E Insulated Glass, Add	*91.25*	
		For Low-E Insulated Glass, Add	*54.75*	
		For Tempered Clear Insulated Glass, Add	*91.25*	
08 52 16 00-0030		59-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0031	EA	19-1/2" x 59-1/2" Single Hung Wood Clad Window	439.84	28.90
		For Tempered Low-E Insulated Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*45.85*	
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Single Hung Wood Clad Window	459.27	29.93
		For Tempered Low-E Insulated Glass, Add	*79.88*	
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.88*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Single Hung Wood Clad Window	478.70	30.96
		For Tempered Low-E Insulated Glass, Add	*83.36*	
		For Low-E Insulated Glass, Add	*50.01*	
		For Tempered Clear Insulated Glass, Add	*83.36*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Single Hung Wood Clad Window	498.13	32.00
		For Tempered Low-E Insulated Glass, Add	*86.83*	
		For Low-E Insulated Glass, Add	*52.10*	
		For Tempered Clear Insulated Glass, Add	*86.83*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Single Hung Wood Clad Window	517.56	33.03
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Single Hung Wood Clad Window	538.56	34.06
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	

08 52 16 00-0037 65-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Single Hung Wood Clad Window	489.21	31.47
		For Tempered Low-E Insulated Glass, Add	*85.25*	
		For Low-E Insulated Glass, Add	*51.15*	
		For Tempered Clear Insulated Glass, Add	*85.25*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Single Hung Wood Clad Window	508.63	32.51
		For Tempered Low-E Insulated Glass, Add	*88.72*	
		For Low-E Insulated Glass, Add	*53.23*	
		For Tempered Clear Insulated Glass, Add	*88.72*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Single Hung Wood Clad Window	528.06	33.54
		For Tempered Low-E Insulated Glass, Add	*92.20*	
		For Low-E Insulated Glass, Add	*55.32*	
		For Tempered Clear Insulated Glass, Add	*92.20*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Single Hung Wood Clad Window	547.50	34.57
		For Tempered Low-E Insulated Glass, Add	*95.67*	
		For Low-E Insulated Glass, Add	*57.40*	
		For Tempered Clear Insulated Glass, Add	*95.67*	

08 52 16 00-0042 71-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Single Hung Wood Clad Window	517.56	33.03
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Single Hung Wood Clad Window	538.56	34.06
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Single Hung Wood Clad Window	558.00	35.08
		For Tempered Low-E Insulated Glass, Add	*97.56*	
		For Low-E Insulated Glass, Add	*58.54*	
		For Tempered Clear Insulated Glass, Add	*97.56*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Single Hung Wood Clad Window	577.43	36.12
		For Tempered Low-E Insulated Glass, Add	*101.04*	
		For Low-E Insulated Glass, Add	*60.62*	
		For Tempered Clear Insulated Glass, Add	*101.04*	

08 52 16 00-0047 Single Hung Wood Clad Windows *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Single Hung Wood Clad Window	433.74	23.74
		For Tempered Low-E Insulated Glass, Add	*77.36*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Single Hung Wood Clad Window	461.07	24.51
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Single Hung Wood Clad Window	489.96	25.54
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Single Hung Wood Clad Window	505.20	26.32
		For Tempered Low-E Insulated Glass, Add	*90.62*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Single Hung Wood Clad Window	518.87	26.83
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Single Hung Wood Clad Window	532.53	27.35
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Single Hung Wood Clad Window	547.77	27.61
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Single Hung Wood Clad Window	575.10	28.64
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Single Hung Wood Clad Window	604.00	29.67
		For Tempered Low-E Insulated Glass, Add	*108.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0058		**40-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0059	EA	21-5/8" x 40-7/8" Single Hung Wood Clad Window	461.07	24.77
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Single Hung Wood Clad Window	489.96	25.54
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Single Hung Wood Clad Window	518.87	26.57
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Single Hung Wood Clad Window	532.53	27.35
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Single Hung Wood Clad Window	547.77	27.86
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Single Hung Wood Clad Window	561.44	28.38
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Single Hung Wood Clad Window	575.10	28.64
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Single Hung Wood Clad Window	604.00	29.67
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Single Hung Wood Clad Window	632.89	30.71
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0068		**44-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0069	EA	21-5/8" x 44-7/8" Single Hung Wood Clad Window	489.96	25.80
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Single Hung Wood Clad Window	518.87	26.57
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Single Hung Wood Clad Window	547.77	27.61
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Single Hung Wood Clad Window	561.44	28.38
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Single Hung Wood Clad Window	575.10	28.90
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Single Hung Wood Clad Window	590.33	29.42
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Single Hung Wood Clad Window	604.00	29.67
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Single Hung Wood Clad Window	632.89	30.71
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Single Hung Wood Clad Window	661.80	31.74
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0078		**48-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0079	EA	21-5/8" x 48-7/8" Single Hung Wood Clad Window	518.87	26.83
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Single Hung Wood Clad Window	547.77	27.61
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Single Hung Wood Clad Window	575.10	28.64
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Single Hung Wood Clad Window	590.33	29.42
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Single Hung Wood Clad Window	604.00	29.93
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Single Hung Wood Clad Window	617.65	30.44
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Single Hung Wood Clad Window	632.89	30.71
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Single Hung Wood Clad Window	661.80	31.74
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Single Hung Wood Clad Window	689.12	32.76
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0088		**52-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0089	EA	21-5/8" x 52-7/8" Single Hung Wood Clad Window	547.77	27.86
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Single Hung Wood Clad Window	575.10	28.64
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Single Hung Wood Clad Window	604.00	29.67
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Single Hung Wood Clad Window	617.65	30.44
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Single Hung Wood Clad Window	632.89	30.96
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Single Hung Wood Clad Window	646.56	31.47
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Single Hung Wood Clad Window	661.80	31.74
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	689.12	32.76
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	718.03	33.80
		For Tempered Low-E Insulated Glass, Add	*130.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0098 56-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	575.10	28.90
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	604.00	29.67
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	632.89	30.71
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	646.56	31.47
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	661.80	32.00
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	675.46	32.51
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	689.12	32.76
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	718.03	33.80
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	746.93	34.83
		For Tempered Low-E Insulated Glass, Add	*135.45*	

08 52 16 00-0108 60-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	604.00	29.93
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	632.89	30.71
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	661.80	31.74
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	675.46	32.51
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	689.12	33.03
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	704.37	33.54
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	718.03	33.80
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	746.93	34.83
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	774.24	35.86
		For Tempered Low-E Insulated Glass, Add	*140.50*	

08 52 16 00-0118 64-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	632.89	30.96
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	661.80	31.74
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	689.12	32.76
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	704.37	33.54
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	718.03	34.06
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	731.69	34.57
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	746.93	34.83
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	774.24	35.86
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	803.15	36.89
		For Tempered Low-E Insulated Glass, Add	*145.87*	

08 52 16 00-0128 68-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	661.80	32.00
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	689.12	32.76
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	718.03	33.80
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	731.69	34.57
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	746.93	35.08
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	760.58	35.61
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Single Hung Wood Clad Window	774.24	35.86
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Single Hung Wood Clad Window	803.15	36.89
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Single Hung Wood Clad Window	832.06	37.93
		For Tempered Low-E Insulated Glass, Add	*151.24*	

08 52 16 00-0138 72-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Single Hung Wood Clad Window	689.12	33.03
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Single Hung Wood Clad Window	718.03	33.80
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Single Hung Wood Clad Window	746.93	34.83
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Single Hung Wood Clad Window	760.58	35.61
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Single Hung Wood Clad Window	774.24	36.12
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Single Hung Wood Clad Window	789.49	36.64
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Single Hung Wood Clad Window	803.15	36.89
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Single Hung Wood Clad Window	832.06	37.93
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Single Hung Wood Clad Window	860.96	38.96
		For Tempered Low-E Insulated Glass, Add	*156.61*	

08 52 16 00-0148 76-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Single Hung Wood Clad Window	718.03	34.06
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Single Hung Wood Clad Window	746.93	34.83
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Single Hung Wood Clad Window	774.24	35.86
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Single Hung Wood Clad Window	789.49	36.64
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Single Hung Wood Clad Window	803.15	37.15
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Single Hung Wood Clad Window	818.39	37.67
		For Tempered Low-E Insulated Glass, Add	*148.71*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Single Hung Wood Clad Window	832.06	37.93
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Single Hung Wood Clad Window	860.96	38.96
		For Tempered Low-E Insulated Glass, Add	*156.61*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Single Hung Wood Clad Window	888.29	39.99
		For Tempered Low-E Insulated Glass, Add	*161.66*	

08 52 16 00-0158 84-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Single Hung Wood Clad Window	1,149.96	36.12
		For Tempered Low-E Insulated Glass, Add	*215.65*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Single Hung Wood Clad Window	1,191.49	36.89
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Single Hung Wood Clad Window	1,233.03	37.93
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Single Hung Wood Clad Window	1,253.01	38.70
		For Tempered Low-E Insulated Glass, Add	*235.22*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Single Hung Wood Clad Window	1,274.56	39.22
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Single Hung Wood Clad Window	1,294.53	39.74
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Single Hung Wood Clad Window	1,314.52	39.99
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Single Hung Wood Clad Window	1,356.04	41.03
		For Tempered Low-E Insulated Glass, Add	*254.80*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Single Hung Wood Clad Window	1,397.57	42.06
		For Tempered Low-E Insulated Glass, Add	*262.69*	

08 52 16 00-0168 88-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Single Hung Wood Clad Window	1,191.49	37.15
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Single Hung Wood Clad Window	1,233.03	37.93
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Single Hung Wood Clad Window	1,274.56	38.96
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Single Hung Wood Clad Window	1,294.53	39.74
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Single Hung Wood Clad Window	1,314.52	40.25
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	1,336.06	40.76
		For Tempered Low-E Insulated Glass, Add	*251.01*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	1,356.04	41.03
		For Tempered Low-E Insulated Glass, Add	*254.80*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	1,397.57	42.06
		For Tempered Low-E Insulated Glass, Add	*262.69*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	1,439.11	43.08
		For Tempered Low-E Insulated Glass, Add	*270.59*	

08 52 16 00-0178 Double Hung Wood Clad Windows *(08 52 16)*

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0179		Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0178)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180		35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	391.07	23.74
		For Low-E Insulated Glass, Add	*41.23*	
		For Tempered Clear Insulated Glass, Add	*68.72*	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	415.43	24.77
		For Low-E Insulated Glass, Add	*43.91*	
		For Tempered Clear Insulated Glass, Add	*73.18*	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	437.92	25.80
		For Low-E Insulated Glass, Add	*46.36*	
		For Tempered Clear Insulated Glass, Add	*77.26*	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	460.42	26.83
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	
08 52 16 00-0185		41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	425.74	25.29
		For Low-E Insulated Glass, Add	*45.02*	
		For Tempered Clear Insulated Glass, Add	*75.03*	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	450.10	26.32
		For Low-E Insulated Glass, Add	*47.70*	
		For Tempered Clear Insulated Glass, Add	*79.49*	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	472.59	27.35
		For Low-E Insulated Glass, Add	*50.15*	
		For Tempered Clear Insulated Glass, Add	*83.58*	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	495.08	28.38
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	
08 52 16 00-0190		47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	460.42	26.83
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	482.91	27.86
		For Low-E Insulated Glass, Add	*51.26*	
		For Tempered Clear Insulated Glass, Add	*85.44*	
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	507.26	28.90
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.76	29.93
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	
08 52 16 00-0195		53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	495.08	28.38
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	517.57	29.42
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	540.07	30.44
		For Low-E Insulated Glass, Add	*57.50*	
		For Tempered Clear Insulated Glass, Add	*95.84*	
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	564.43	31.47
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	
08 52 16 00-0200		56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*		
08 52 16 00-0201	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	489.00	28.38
		For Low-E Insulated Glass, Add	*51.93*	
		For Tempered Clear Insulated Glass, Add	*86.55*	
08 52 16 00-0202	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	511.49	29.15
		For Low-E Insulated Glass, Add	*54.38*	
		For Tempered Clear Insulated Glass, Add	*90.64*	
08 52 16 00-0203	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	535.84	30.44
		For Low-E Insulated Glass, Add	*57.06*	
		For Tempered Clear Insulated Glass, Add	*95.09*	
08 52 16 00-0204	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	558.34	31.47
		For Low-E Insulated Glass, Add	*59.51*	
		For Tempered Clear Insulated Glass, Add	*99.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0205	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	580.83	32.51
		For Low-E Insulated Glass, Add	*61.96*	
		For Tempered Clear Insulated Glass, Add	*103.27*	
08 52 16 00-0206	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	603.33	33.54
		For Low-E Insulated Glass, Add	*64.41*	
		For Tempered Clear Insulated Glass, Add	*107.35*	

08 52 16 00-0207 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0208	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	507.26	28.90
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0209	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.76	29.93
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	
08 52 16 00-0210	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	552.25	30.96
		For Low-E Insulated Glass, Add	*58.84*	
		For Tempered Clear Insulated Glass, Add	*98.07*	
08 52 16 00-0211	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	574.75	32.00
		For Low-E Insulated Glass, Add	*61.29*	
		For Tempered Clear Insulated Glass, Add	*102.15*	
08 52 16 00-0212	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	597.24	33.03
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0213	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	621.59	34.06
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	

08 52 16 00-0214 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0215	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	564.43	31.47
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	
08 52 16 00-0216	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	586.91	32.51
		For Low-E Insulated Glass, Add	*62.63*	
		For Tempered Clear Insulated Glass, Add	*104.38*	
08 52 16 00-0217	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.41	33.54
		For Low-E Insulated Glass, Add	*65.08*	
		For Tempered Clear Insulated Glass, Add	*108.47*	
08 52 16 00-0218	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	631.91	34.57
		For Low-E Insulated Glass, Add	*67.53*	
		For Tempered Clear Insulated Glass, Add	*112.55*	

08 52 16 00-0219 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0220	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	597.24	33.03
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0221	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	621.59	34.06
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	
08 52 16 00-0222	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	644.09	35.08
		For Low-E Insulated Glass, Add	*68.87*	
		For Tempered Clear Insulated Glass, Add	*114.78*	
08 52 16 00-0223	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	666.58	36.12
		For Low-E Insulated Glass, Add	*71.32*	
		For Tempered Clear Insulated Glass, Add	*118.87*	

08 52 16 00-0224 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0225 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0226	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	502.00	23.74
		For Tempered Low-E Insulated Glass, Add	*91.01*	
08 52 16 00-0227	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	533.79	24.51
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0228	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	567.41	25.54
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0229	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	585.16	26.32
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 16 00-0230	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	601.05	26.83
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0231	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	616.94	27.35
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0232	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	634.69	27.61
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0233	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.64
		For Tempered Low-E Insulated Glass, Add	*121.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0234	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.67
		For Tempered Low-E Insulated Glass, Add	*128.15*	

08 52 16 00-0235 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0236	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	533.79	24.77
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0237	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	567.41	25.54
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0238	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	601.05	26.57
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0239	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	616.94	27.35
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0240	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	634.69	27.86
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0241	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	650.59	28.38
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0242	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.64
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0243	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.67
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0244	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.71
		For Tempered Low-E Insulated Glass, Add	*134.47*	

08 52 16 00-0245 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0246	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	567.41	25.80
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0247	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	601.05	26.57
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0248	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	634.69	27.61
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0249	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	650.59	28.38
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0250	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.90
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0251	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	684.22	29.42
		For Tempered Low-E Insulated Glass, Add	*125.18*	
08 52 16 00-0252	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.67
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0253	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.71
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0254	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	31.74
		For Tempered Low-E Insulated Glass, Add	*140.78*	

08 52 16 00-0255 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0256	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	601.05	26.83
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0257	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	634.69	27.61
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0258	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.64
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0259	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	684.22	29.42
		For Tempered Low-E Insulated Glass, Add	*125.18*	
08 52 16 00-0260	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.93
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0261	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	716.00	30.44
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0262	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.71
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0263	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	31.74
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0264	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	32.76
		For Tempered Low-E Insulated Glass, Add	*146.73*	

08 52 16 00-0265 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0266	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	634.69	27.86
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0267	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.64
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0268	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.67
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0269	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	716.00	30.44
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0270	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.96
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0271	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	749.64	31.47
		For Tempered Low-E Insulated Glass, Add	*137.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0272	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	31.74
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0273	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	32.76
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0274	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	33.80
		For Tempered Low-E Insulated Glass, Add	*153.04*	

08 52 16 00-0275 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0276	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	666.47	28.90
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0277	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.67
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0278	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.71
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0279	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	749.64	31.47
		For Tempered Low-E Insulated Glass, Add	*137.44*	
08 52 16 00-0280	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	32.00
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0281	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	783.28	32.51
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0282	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	32.76
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0283	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	33.80
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0284	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	34.83
		For Tempered Low-E Insulated Glass, Add	*159.36*	

08 52 16 00-0285 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0286	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	700.12	29.93
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0287	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.71
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0288	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	31.74
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0289	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	783.28	32.51
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0290	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	33.03
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0291	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	816.92	33.54
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0292	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	33.80
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0293	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	34.83
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0294	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.22	35.86
		For Tempered Low-E Insulated Glass, Add	*165.30*	

08 52 16 00-0295 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0296	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	733.74	30.96
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0297	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	31.74
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0298	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	32.76
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0299	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	816.92	33.54
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0300	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	34.06
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0301	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	848.70	34.57
		For Tempered Low-E Insulated Glass, Add	*156.01*	
08 52 16 00-0302	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	34.83
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0303	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.22	35.86
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0304	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	931.86	36.89
		For Tempered Low-E Insulated Glass, Add	*171.61*	

08 52 16 00-0305 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0306	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.39	32.00
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0307	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	32.76
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0308	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	33.80
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0309	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	848.70	34.57
		For Tempered Low-E Insulated Glass, Add	*156.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0310	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	35.08
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0311	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	882.33	35.61
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0312	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.22	35.86
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0313	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	931.86	36.89
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0314	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	965.51	37.93
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0315		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0316	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	799.16	33.03
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0317	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	33.80
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0318	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	34.83
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0319	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	882.33	35.61
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0320	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.22	36.12
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0321	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.97	36.64
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0322	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	931.86	36.89
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0323	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	965.51	37.93
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0324	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	999.14	38.96
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0325		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0326	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	832.81	34.06
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0327	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	866.45	34.83
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0328	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	898.22	35.86
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0329	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.97	36.64
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0330	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	931.86	37.15
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0331	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	949.61	37.67
		For Tempered Low-E Insulated Glass, Add	*174.96*	
08 52 16 00-0332	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	965.51	37.93
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0333	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	999.14	38.96
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0334	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,030.93	39.99
		For Tempered Low-E Insulated Glass, Add	*190.19*	
08 52 16 00-0335		84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0336	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,340.26	36.12
		For Tempered Low-E Insulated Glass, Add	*253.71*	
08 52 16 00-0337	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,388.76	36.89
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0338	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,437.26	37.93
		For Tempered Low-E Insulated Glass, Add	*272.28*	
08 52 16 00-0339	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,460.58	38.70
		For Tempered Low-E Insulated Glass, Add	*276.74*	
08 52 16 00-0340	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,485.75	39.22
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0341	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,509.07	39.74
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0342	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,532.40	39.99
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0343	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,580.88	41.03
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0344	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,629.38	42.06
		For Tempered Low-E Insulated Glass, Add	*309.05*	
08 52 16 00-0345		88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*		
08 52 16 00-0346	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,388.76	37.15
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0347	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,437.26	37.93
		For Tempered Low-E Insulated Glass, Add	*272.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0348	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,485.75	38.96
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0349	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,509.07	39.74
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0350	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,532.40	40.25
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0351	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,557.56	40.76
		For Tempered Low-E Insulated Glass, Add	*295.31*	
08 52 16 00-0352	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,580.88	41.03
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0353	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,629.38	42.06
		For Tempered Low-E Insulated Glass, Add	*309.05*	
08 52 16 00-0354	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,677.89	43.08
		For Tempered Low-E Insulated Glass, Add	*318.34*	

08 52 16 00-0355 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0356 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0355)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0357 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*

08 52 16 00-0358 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0359	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	417.12	19.61
		For Tempered Clear Insulated Glass, Add	*75.68*	
08 52 16 00-0360	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	442.14	20.12
		For Tempered Clear Insulated Glass, Add	*80.38*	
08 52 16 00-0361	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	469.65	21.15
		For Tempered Clear Insulated Glass, Add	*85.47*	
08 52 16 00-0362	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	494.76	22.19
		For Tempered Clear Insulated Glass, Add	*90.08*	

08 52 16 00-0363 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0364	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	448.52	20.64
		For Tempered Clear Insulated Glass, Add	*81.55*	
08 52 16 00-0365	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	473.56	21.15
		For Tempered Clear Insulated Glass, Add	*86.25*	
08 52 16 00-0366	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	501.05	22.19
		For Tempered Clear Insulated Glass, Add	*91.33*	
08 52 16 00-0367	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	513.17	23.22
		For Tempered Clear Insulated Glass, Add	*93.35*	
08 52 16 00-0368	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	546.25	24.25
		For Tempered Clear Insulated Glass, Add	*99.65*	

08 52 16 00-0369 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0370	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	504.97	22.19
		For Tempered Clear Insulated Glass, Add	*92.12*	
08 52 16 00-0371	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	531.95	23.22
		For Tempered Clear Insulated Glass, Add	*97.20*	
08 52 16 00-0372	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	559.45	24.00
		For Tempered Clear Insulated Glass, Add	*102.29*	
08 52 16 00-0373	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	604.55	25.03
		For Tempered Clear Insulated Glass, Add	*110.90*	
08 52 16 00-0374	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	648.10	25.80
		For Tempered Clear Insulated Glass, Add	*119.30*	
08 52 16 00-0375	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	691.26	26.32
		For Tempered Clear Insulated Glass, Add	*127.72*	

08 52 16 00-0376 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0377	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	542.76	23.74
		For Tempered Clear Insulated Glass, Add	*99.16*	
08 52 16 00-0378	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	567.78	24.25
		For Tempered Clear Insulated Glass, Add	*103.86*	
08 52 16 00-0379	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	595.28	25.29
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0380	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	661.92	26.32
		For Tempered Clear Insulated Glass, Add	*121.86*	
08 52 16 00-0381	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	707.64	27.35
		For Tempered Clear Insulated Glass, Add	*130.69*	
08 52 16 00-0382	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	749.65	28.38
		For Tempered Clear Insulated Glass, Add	*138.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0383		**48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0384	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	595.79	25.80
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0385	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	622.79	26.32
		For Tempered Clear Insulated Glass, Add	*114.03*	
08 52 16 00-0386	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	650.28	27.35
		For Tempered Clear Insulated Glass, Add	*119.12*	
08 52 16 00-0387	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	743.30	28.38
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0388	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	778.63	29.42
		For Tempered Clear Insulated Glass, Add	*144.06*	
08 52 16 00-0389	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	832.03	30.44
		For Tempered Clear Insulated Glass, Add	*154.33*	
08 52 16 00-0390		**52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0391	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	633.08	26.83
		For Tempered Clear Insulated Glass, Add	*115.99*	
08 52 16 00-0392	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	658.11	27.35
		For Tempered Clear Insulated Glass, Add	*120.68*	
08 52 16 00-0393	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	685.60	28.38
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0394	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	801.13	29.42
		For Tempered Clear Insulated Glass, Add	*148.46*	
08 52 16 00-0395	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	854.99	30.44
		For Tempered Clear Insulated Glass, Add	*158.92*	
08 52 16 00-0396	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	888.88	31.47
		For Tempered Clear Insulated Glass, Add	*165.29*	
08 52 16 00-0397		**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0398	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	685.60	28.38
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0399	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	712.58	29.42
		For Tempered Clear Insulated Glass, Add	*130.85*	
08 52 16 00-0400	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	740.08	30.18
		For Tempered Clear Insulated Glass, Add	*135.94*	
08 52 16 00-0401	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	883.01	31.22
		For Tempered Clear Insulated Glass, Add	*164.11*	
08 52 16 00-0402	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	920.52	32.00
		For Tempered Clear Insulated Glass, Add	*171.31*	
08 52 16 00-0403	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	970.75	33.03
		For Tempered Clear Insulated Glass, Add	*180.94*	
08 52 16 00-0404		**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0405	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	723.41	29.93
		For Tempered Clear Insulated Glass, Add	*132.81*	
08 52 16 00-0406	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	748.42	30.44
		For Tempered Clear Insulated Glass, Add	*137.51*	
08 52 16 00-0407	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	775.93	31.47
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0408	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	940.36	32.51
		For Tempered Clear Insulated Glass, Add	*175.07*	
08 52 16 00-0409	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	975.11	33.54
		For Tempered Clear Insulated Glass, Add	*181.71*	
08 52 16 00-0410	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,028.11	34.57
		For Tempered Clear Insulated Glass, Add	*191.90*	
08 52 16 00-0411		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0357)*		
08 52 16 00-0412	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	775.93	31.47
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0413	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	802.90	32.51
		For Tempered Clear Insulated Glass, Add	*147.68*	
08 52 16 00-0414	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	830.40	33.28
		For Tempered Clear Insulated Glass, Add	*152.77*	
08 52 16 00-0415	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,022.24	34.32
		For Tempered Clear Insulated Glass, Add	*190.72*	
08 52 16 00-0416	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,065.39	35.08
		For Tempered Clear Insulated Glass, Add	*199.04*	
08 52 16 00-0417	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,109.98	36.12
		For Tempered Clear Insulated Glass, Add	*207.55*	
08 52 16 00-0418		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0356)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0419		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0420	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	775.16	25.29
		For Tempered Clear Insulated Glass, Add	*144.92*	
08 52 16 00-0421	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	885.24	27.35
		For Tempered Clear Insulated Glass, Add	*166.11*	
08 52 16 00-0422	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,013.73	29.42
		For Tempered Clear Insulated Glass, Add	*190.98*	
08 52 16 00-0423		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0424	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	839.32	26.32
		For Tempered Clear Insulated Glass, Add	*157.34*	
08 52 16 00-0425	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	949.38	28.38
		For Tempered Clear Insulated Glass, Add	*178.52*	
08 52 16 00-0426	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,077.88	30.44
		For Tempered Clear Insulated Glass, Add	*203.40*	
08 52 16 00-0427		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0428	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	831.00	26.32
		For Tempered Clear Insulated Glass, Add	*155.67*	
08 52 16 00-0429	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	944.17	28.38
		For Tempered Clear Insulated Glass, Add	*177.58*	
08 52 16 00-0430	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,061.76	30.44
		For Tempered Clear Insulated Glass, Add	*200.28*	
08 52 16 00-0431	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,198.93	32.25
		For Tempered Clear Insulated Glass, Add	*226.89*	
08 52 16 00-0432	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,290.31	33.80
		For Tempered Clear Insulated Glass, Add	*244.54*	
08 52 16 00-0433	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,443.39	36.12
		For Tempered Clear Insulated Glass, Add	*274.23*	
08 52 16 00-0434		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0435	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	909.87	27.61
		For Tempered Clear Insulated Glass, Add	*170.93*	
08 52 16 00-0436	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,023.04	29.42
		For Tempered Clear Insulated Glass, Add	*192.84*	
08 52 16 00-0437	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,140.65	31.47
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0438	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,277.81	33.54
		For Tempered Clear Insulated Glass, Add	*242.15*	
08 52 16 00-0439	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,379.57	35.08
		For Tempered Clear Insulated Glass, Add	*261.88*	
08 52 16 00-0440	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,821.61	37.42
		For Tempered Clear Insulated Glass, Add	*349.36*	
08 52 16 00-0441		**48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0442	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,025.52	29.67
		For Tempered Clear Insulated Glass, Add	*193.23*	
08 52 16 00-0443	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,140.65	31.47
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0444	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,258.24	33.54
		For Tempered Clear Insulated Glass, Add	*238.23*	
08 52 16 00-0445	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,395.41	35.61
		For Tempered Clear Insulated Glass, Add	*264.84*	
08 52 16 00-0446	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,492.67	37.15
		For Tempered Clear Insulated Glass, Add	*283.67*	
08 52 16 00-0447	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,639.88	39.47
		For Tempered Clear Insulated Glass, Add	*312.19*	
08 52 16 00-0448		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0418)*		
08 52 16 00-0449	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,103.87	30.71
		For Tempered Clear Insulated Glass, Add	*208.49*	
08 52 16 00-0450	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,217.04	32.51
		For Tempered Clear Insulated Glass, Add	*230.41*	
08 52 16 00-0451	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,320.14	34.57
		For Tempered Clear Insulated Glass, Add	*250.20*	
08 52 16 00-0452	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,471.82	36.64
		For Tempered Clear Insulated Glass, Add	*279.71*	
08 52 16 00-0453	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,573.97	38.18
		For Tempered Clear Insulated Glass, Add	*299.52*	
08 52 16 00-0454	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,718.24	40.51
		For Tempered Clear Insulated Glass, Add	*327.45*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0455		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*			
08 52 16 00-0456	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,219.00	32.51
		For Tempered Clear Insulated Glass, Add		*230.80*	
08 52 16 00-0457	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,332.18	34.57
		For Tempered Clear Insulated Glass, Add		*252.71*	
08 52 16 00-0458	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,449.78	36.64
		For Tempered Clear Insulated Glass, Add		*275.40*	
08 52 16 00-0459	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,586.95	38.44
		For Tempered Clear Insulated Glass, Add		*302.01*	
08 52 16 00-0460	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,689.11	39.99
		For Tempered Clear Insulated Glass, Add		*321.82*	
08 52 16 00-0461	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,831.42	42.32
		For Tempered Clear Insulated Glass, Add		*349.36*	
08 52 16 00-0462		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*			
08 52 16 00-0463	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,297.89	33.80
		For Tempered Clear Insulated Glass, Add		*246.06*	
08 52 16 00-0464	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,411.06	35.61
		For Tempered Clear Insulated Glass, Add		*267.97*	
08 52 16 00-0465	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,530.61	37.67
		For Tempered Clear Insulated Glass, Add		*291.06*	
08 52 16 00-0466	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,667.79	39.74
		For Tempered Clear Insulated Glass, Add		*317.66*	
08 52 16 00-0467		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*			
08 52 16 00-0468	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,413.02	35.61
		For Tempered Clear Insulated Glass, Add		*268.36*	
08 52 16 00-0469	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,526.19	37.67
		For Tempered Clear Insulated Glass, Add		*290.27*	
08 52 16 00-0470	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,643.79	39.74
		For Tempered Clear Insulated Glass, Add		*312.97*	
08 52 16 00-0471	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,780.96	41.54
		For Tempered Clear Insulated Glass, Add		*339.58*	
08 52 16 00-0472		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*			
08 52 16 00-0473		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*			
08 52 16 00-0474	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,250.07	33.28
		For Tempered Clear Insulated Glass, Add		*236.70*	
08 52 16 00-0475	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,460.46	36.64
		For Tempered Clear Insulated Glass, Add		*277.44*	
08 52 16 00-0476		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*			
08 52 16 00-0477	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,329.63	34.32
		For Tempered Clear Insulated Glass, Add		*252.20*	
08 52 16 00-0478	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,525.49	37.67
		For Tempered Clear Insulated Glass, Add		*290.03*	
08 52 16 00-0479		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*			
08 52 16 00-0480	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,278.20	33.54
		For Tempered Clear Insulated Glass, Add		*242.22*	
08 52 16 00-0481	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,447.31	36.12
		For Tempered Clear Insulated Glass, Add		*275.01*	
08 52 16 00-0482	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,655.53	39.74
		For Tempered Clear Insulated Glass, Add		*315.32*	
08 52 16 00-0483		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*			
08 52 16 00-0484	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)		1,353.11	35.08
		For Tempered Clear Insulated Glass, Add		*256.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0485	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,528.14	37.42
		For Tempered Clear Insulated Glass, Add	*290.66*	
08 52 16 00-0486	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,734.41	40.76
		For Tempered Clear Insulated Glass, Add	*330.58*	
08 52 16 00-0487		**48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0472)*		
08 52 16 00-0488	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,643.79	39.47
		For Tempered Clear Insulated Glass, Add	*312.97*	
08 52 16 00-0489	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,850.05	42.83
		For Tempered Clear Insulated Glass, Add	*352.88*	
08 52 16 00-0490		**52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0472)*		
08 52 16 00-0491	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,722.15	40.51
		For Tempered Clear Insulated Glass, Add	*328.23*	
08 52 16 00-0492	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,928.42	43.86
		For Tempered Clear Insulated Glass, Add	*368.14*	
08 52 16 00-0493		**59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0472)*		
08 52 16 00-0494	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,835.33	42.32
		For Tempered Clear Insulated Glass, Add	*350.14*	
08 52 16 00-0495	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,043.55	45.93
		For Tempered Clear Insulated Glass, Add	*390.44*	
08 52 16 00-0496		**Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0355)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497		**One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0496)*		
08 52 16 00-0498		**24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0499	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	508.09	19.61
		For Tempered Low-E Insulated Glass, Add	*93.88*	
08 52 16 00-0500	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	538.99	20.12
		For Tempered Low-E Insulated Glass, Add	*99.75*	
08 52 16 00-0501	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	572.85	21.15
		For Tempered Low-E Insulated Glass, Add	*106.11*	
08 52 16 00-0502	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	603.73	22.19
		For Tempered Low-E Insulated Glass, Add	*111.87*	
08 52 16 00-0503		**28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0504	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	546.83	20.64
		For Tempered Low-E Insulated Glass, Add	*101.21*	
08 52 16 00-0505	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	577.74	21.15
		For Tempered Low-E Insulated Glass, Add	*107.08*	
08 52 16 00-0506	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	611.59	22.19
		For Tempered Low-E Insulated Glass, Add	*113.44*	
08 52 16 00-0507	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	626.22	23.22
		For Tempered Low-E Insulated Glass, Add	*115.96*	
08 52 16 00-0508	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	667.18	24.25
		For Tempered Low-E Insulated Glass, Add	*123.84*	
08 52 16 00-0509		**35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0510	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	616.48	22.19
		For Tempered Low-E Insulated Glass, Add	*114.42*	
08 52 16 00-0511	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	649.83	23.22
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0512	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	683.68	24.00
		For Tempered Low-E Insulated Glass, Add	*127.14*	
08 52 16 00-0513	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	739.54	25.03
		For Tempered Low-E Insulated Glass, Add	*137.90*	
08 52 16 00-0514	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	793.59	25.80
		For Tempered Low-E Insulated Glass, Add	*148.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0515	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	847.29	26.32
		For Tempered Low-E Insulated Glass, Add	*158.93*	

08 52 16 00-0516 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0517	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	663.08	23.74
		For Tempered Low-E Insulated Glass, Add	*123.22*	
08 52 16 00-0518	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	693.97	24.25
		For Tempered Low-E Insulated Glass, Add	*129.09*	
08 52 16 00-0519	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	727.83	25.29
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0520	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	810.61	26.32
		For Tempered Low-E Insulated Glass, Add	*151.59*	
08 52 16 00-0521	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	867.37	27.35
		For Tempered Low-E Insulated Glass, Add	*162.64*	
08 52 16 00-0522	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	919.37	28.38
		For Tempered Low-E Insulated Glass, Add	*172.62*	

08 52 16 00-0523 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0524	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	728.34	25.80
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0525	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	761.69	26.32
		For Tempered Low-E Insulated Glass, Add	*141.81*	
08 52 16 00-0526	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	795.55	27.35
		For Tempered Low-E Insulated Glass, Add	*148.17*	
08 52 16 00-0527	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	911.31	28.38
		For Tempered Low-E Insulated Glass, Add	*170.91*	
08 52 16 00-0528	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	955.08	29.42
		For Tempered Low-E Insulated Glass, Add	*179.35*	
08 52 16 00-0529	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,021.32	30.44
		For Tempered Low-E Insulated Glass, Add	*192.19*	

08 52 16 00-0530 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0531	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	774.43	26.83
		For Tempered Low-E Insulated Glass, Add	*144.26*	
08 52 16 00-0532	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	805.33	27.35
		For Tempered Low-E Insulated Glass, Add	*150.13*	
08 52 16 00-0533	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	839.18	28.38
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0534	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	983.08	29.42
		For Tempered Low-E Insulated Glass, Add	*184.85*	
08 52 16 00-0535	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,050.01	30.44
		For Tempered Low-E Insulated Glass, Add	*197.93*	
08 52 16 00-0536	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,091.86	31.47
		For Tempered Low-E Insulated Glass, Add	*205.88*	

08 52 16 00-0537 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0538	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	839.18	28.38
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0539	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	872.52	29.42
		For Tempered Low-E Insulated Glass, Add	*162.84*	
08 52 16 00-0540	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	906.37	30.18
		For Tempered Low-E Insulated Glass, Add	*169.20*	
08 52 16 00-0541	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,084.52	31.22
		For Tempered Low-E Insulated Glass, Add	*204.42*	
08 52 16 00-0542	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,131.02	32.00
		For Tempered Low-E Insulated Glass, Add	*213.41*	
08 52 16 00-0543	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,193.29	33.03
		For Tempered Low-E Insulated Glass, Add	*225.45*	

08 52 16 00-0544 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*

08 52 16 00-0545	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	885.79	29.93
		For Tempered Low-E Insulated Glass, Add	*165.29*	
08 52 16 00-0546	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	916.68	30.44
		For Tempered Low-E Insulated Glass, Add	*171.16*	
08 52 16 00-0547	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	950.54	31.47
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0548	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,155.57	32.51
		For Tempered Low-E Insulated Glass, Add	*218.11*	
08 52 16 00-0549	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,198.61	33.54
		For Tempered Low-E Insulated Glass, Add	*226.41*	
08 52 16 00-0550	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,264.35	34.57
		For Tempered Low-E Insulated Glass, Add	*239.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0551		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0497)*		
08 52 16 00-0552	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	950.54	31.47
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0553	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	983.87	32.51
		For Tempered Low-E Insulated Glass, Add	*183.87*	
08 52 16 00-0554	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,017.73	33.28
		For Tempered Low-E Insulated Glass, Add	*190.23*	
08 52 16 00-0555	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,257.01	34.32
		For Tempered Low-E Insulated Glass, Add	*237.68*	
08 52 16 00-0556	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,310.57	35.08
		For Tempered Low-E Insulated Glass, Add	*248.08*	
08 52 16 00-0557	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,365.78	36.12
		For Tempered Low-E Insulated Glass, Add	*258.71*	
08 52 16 00-0558		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0496)*		
08 52 16 00-0559		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0560	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	949.05	25.29
		For Tempered Low-E Insulated Glass, Add	*179.70*	
08 52 16 00-0561	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,085.61	27.35
		For Tempered Low-E Insulated Glass, Add	*206.18*	
08 52 16 00-0562	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,245.19	29.42
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-0563		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0564	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,028.73	26.32
		For Tempered Low-E Insulated Glass, Add	*195.22*	
08 52 16 00-0565	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,165.28	28.38
		For Tempered Low-E Insulated Glass, Add	*221.70*	
08 52 16 00-0566	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,324.87	30.44
		For Tempered Low-E Insulated Glass, Add	*252.80*	
08 52 16 00-0567		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0568	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,018.32	26.32
		For Tempered Low-E Insulated Glass, Add	*193.14*	
08 52 16 00-0569	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,158.88	28.38
		For Tempered Low-E Insulated Glass, Add	*220.53*	
08 52 16 00-0570	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,304.85	30.44
		For Tempered Low-E Insulated Glass, Add	*248.90*	
08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,475.27	32.25
		For Tempered Low-E Insulated Glass, Add	*282.15*	
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,588.73	33.80
		For Tempered Low-E Insulated Glass, Add	*304.23*	
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,778.92	36.12
		For Tempered Low-E Insulated Glass, Add	*341.34*	
08 52 16 00-0574		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,116.27	27.61
		For Tempered Low-E Insulated Glass, Add	*212.21*	
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,256.83	29.42
		For Tempered Low-E Insulated Glass, Add	*239.60*	
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,402.81	31.47
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,573.23	33.54
		For Tempered Low-E Insulated Glass, Add	*301.23*	
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,699.66	35.08
		For Tempered Low-E Insulated Glass, Add	*325.90*	
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,251.05	37.42
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0581		**48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,259.81	29.67
		For Tempered Low-E Insulated Glass, Add	*240.09*	
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,402.81	31.47
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,548.77	33.54
		For Tempered Low-E Insulated Glass, Add	*296.34*	
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,719.20	35.61
		For Tempered Low-E Insulated Glass, Add	*329.60*	
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,840.00	37.15
		For Tempered Low-E Insulated Glass, Add	*353.14*	

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08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,022.85	39.47
		For Tempered Low-E Insulated Glass, Add	*388.78*	
08 52 16 00-0588		**52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,357.23	30.71
		For Tempered Low-E Insulated Glass, Add	*259.17*	
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,497.79	32.51
		For Tempered Low-E Insulated Glass, Add	*286.56*	
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,629.25	34.57
		For Tempered Low-E Insulated Glass, Add	*312.02*	
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,814.20	36.64
		For Tempered Low-E Insulated Glass, Add	*348.18*	
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,941.12	38.18
		For Tempered Low-E Insulated Glass, Add	*372.95*	
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,120.29	40.51
		For Tempered Low-E Insulated Glass, Add	*407.86*	
08 52 16 00-0595		**59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,500.24	32.51
		For Tempered Low-E Insulated Glass, Add	*287.05*	
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,640.81	34.57
		For Tempered Low-E Insulated Glass, Add	*314.44*	
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,786.78	36.64
		For Tempered Low-E Insulated Glass, Add	*342.80*	
08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,957.21	38.44
		For Tempered Low-E Insulated Glass, Add	*376.06*	
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,084.13	39.99
		For Tempered Low-E Insulated Glass, Add	*400.83*	
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,260.86	42.32
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0602		**64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,598.20	33.80
		For Tempered Low-E Insulated Glass, Add	*306.12*	
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,738.76	35.61
		For Tempered Low-E Insulated Glass, Add	*333.51*	
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,887.17	37.67
		For Tempered Low-E Insulated Glass, Add	*362.37*	
08 52 16 00-0606	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,057.61	39.74
		For Tempered Low-E Insulated Glass, Add	*395.63*	
08 52 16 00-0607		**71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0558)*		
08 52 16 00-0608	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,741.21	35.61
		For Tempered Low-E Insulated Glass, Add	*334.00*	
08 52 16 00-0609	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,881.77	37.67
		For Tempered Low-E Insulated Glass, Add	*361.39*	
08 52 16 00-0610	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,027.74	39.74
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0611	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,198.17	41.54
		For Tempered Low-E Insulated Glass, Add	*423.02*	
08 52 16 00-0612		**One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0496)*		
08 52 16 00-0613		**24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0614	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,542.32	33.28
		For Tempered Low-E Insulated Glass, Add	*295.15*	
08 52 16 00-0615	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,799.99	36.64
		For Tempered Low-E Insulated Glass, Add	*345.34*	
08 52 16 00-0616		**28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0612)*		
08 52 16 00-0617	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,637.62	34.32
		For Tempered Low-E Insulated Glass, Add	*313.80*	
08 52 16 00-0618	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,880.76	37.67
		For Tempered Low-E Insulated Glass, Add	*361.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0619		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0620	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,573.72	33.54
		For Tempered Low-E Insulated Glass, Add	*301.33*	
08 52 16 00-0621	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,783.81	36.12
		For Tempered Low-E Insulated Glass, Add	*342.31*	
08 52 16 00-0622	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,042.41	39.74
		For Tempered Low-E Insulated Glass, Add	*392.69*	
08 52 16 00-0623		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0624	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,666.71	35.08
		For Tempered Low-E Insulated Glass, Add	*319.41*	
08 52 16 00-0625	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,884.22	37.42
		For Tempered Low-E Insulated Glass, Add	*361.88*	
08 52 16 00-0626	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,140.37	40.76
		For Tempered Low-E Insulated Glass, Add	*411.77*	
08 52 16 00-0627		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0628	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,027.74	39.47
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0629	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,283.89	42.83
		For Tempered Low-E Insulated Glass, Add	*439.65*	
08 52 16 00-0630		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0631	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,125.18	40.51
		For Tempered Low-E Insulated Glass, Add	*408.83*	
08 52 16 00-0632	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,381.33	43.86
		For Tempered Low-E Insulated Glass, Add	*458.72*	
08 52 16 00-0633		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0634	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,265.75	42.32
		For Tempered Low-E Insulated Glass, Add	*436.22*	
08 52 16 00-0635	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,524.34	45.93
		For Tempered Low-E Insulated Glass, Add	*486.60*	
08 52 16 00-0636		Awning Wood Clad Windows *(08 52 16)* Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0637		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0636)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*		
08 52 16 00-0639		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0640	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	450.99	21.15
		For Tempered Clear Insulated Glass, Add	*81.73*	
08 52 16 00-0641	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	484.35	22.19
		For Tempered Clear Insulated Glass, Add	*87.99*	
08 52 16 00-0642	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	511.91	22.96
		For Tempered Clear Insulated Glass, Add	*93.20*	
08 52 16 00-0643	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	546.66	24.00
		For Tempered Clear Insulated Glass, Add	*99.73*	
08 52 16 00-0644	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	586.41	25.29
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0645	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	647.28	27.35
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0646	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	686.51	28.38
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0647	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	742.94	30.44
		For Tempered Clear Insulated Glass, Add	*136.51*	
08 52 16 00-0648	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	762.27	31.47
		For Tempered Clear Insulated Glass, Add	*139.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0649	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	818.04	33.28
		For Tempered Clear Insulated Glass, Add	*150.29*	

08 52 16 00-0650 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0651	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	476.97	22.19
		For Tempered Clear Insulated Glass, Add	*86.62*	
08 52 16 00-0652	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	513.29	23.22
		For Tempered Clear Insulated Glass, Add	*93.47*	
08 52 16 00-0653	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	536.68	23.74
		For Tempered Clear Insulated Glass, Add	*97.84*	
08 52 16 00-0654	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	575.60	24.77
		For Tempered Clear Insulated Glass, Add	*105.21*	
08 52 16 00-0655	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	615.34	26.32
		For Tempered Clear Insulated Glass, Add	*112.65*	
08 52 16 00-0656	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	674.26	28.12
		For Tempered Clear Insulated Glass, Add	*123.60*	
08 52 16 00-0657	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	713.49	29.42
		For Tempered Clear Insulated Glass, Add	*131.04*	
08 52 16 00-0658	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	771.88	30.96
		For Tempered Clear Insulated Glass, Add	*141.99*	
08 52 16 00-0659	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	788.92	32.51
		For Tempered Clear Insulated Glass, Add	*144.88*	
08 52 16 00-0660	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	846.62	34.06
		For Tempered Clear Insulated Glass, Add	*155.70*	
08 52 16 00-0661	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,350.19	37.67
		For Tempered Clear Insulated Glass, Add	*255.07*	

08 52 16 00-0662 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0663	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	509.38	23.22
		For Tempered Clear Insulated Glass, Add	*92.69*	
08 52 16 00-0664	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	542.74	24.25
		For Tempered Clear Insulated Glass, Add	*98.95*	
08 52 16 00-0665	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	565.30	24.77
		For Tempered Clear Insulated Glass, Add	*103.15*	
08 52 16 00-0666	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	605.05	25.80
		For Tempered Clear Insulated Glass, Add	*110.69*	
08 52 16 00-0667	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	644.80	27.35
		For Tempered Clear Insulated Glass, Add	*118.12*	
08 52 16 00-0668	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	705.67	29.15
		For Tempered Clear Insulated Glass, Add	*129.47*	
08 52 16 00-0669	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	744.90	30.44
		For Tempered Clear Insulated Glass, Add	*136.91*	
08 52 16 00-0670	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	803.30	32.00
		For Tempered Clear Insulated Glass, Add	*147.86*	
08 52 16 00-0671	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	818.04	33.54
		For Tempered Clear Insulated Glass, Add	*150.29*	
08 52 16 00-0672	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	873.73	35.08
		For Tempered Clear Insulated Glass, Add	*160.71*	
08 52 16 00-0673	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,423.61	38.70
		For Tempered Clear Insulated Glass, Add	*269.34*	

08 52 16 00-0674 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0675	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	505.57	24.25
		For Tempered Clear Insulated Glass, Add	*91.52*	
08 52 16 00-0676	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	558.50	25.29
		For Tempered Clear Insulated Glass, Add	*101.69*	
08 52 16 00-0677	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	592.24	25.80
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0678	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	656.03	26.83
		For Tempered Clear Insulated Glass, Add	*120.47*	
08 52 16 00-0679	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	719.26	28.38
		For Tempered Clear Insulated Glass, Add	*132.60*	
08 52 16 00-0680	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	811.42	30.18
		For Tempered Clear Insulated Glass, Add	*150.21*	
08 52 16 00-0681	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	872.18	31.47
		For Tempered Clear Insulated Glass, Add	*161.95*	
08 52 16 00-0682	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	963.83	33.03
		For Tempered Clear Insulated Glass, Add	*179.56*	
08 52 16 00-0683	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	995.88	34.57
		For Tempered Clear Insulated Glass, Add	*185.45*	
08 52 16 00-0684	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,084.48	36.12
		For Tempered Clear Insulated Glass, Add	*202.45*	
08 52 16 00-0685	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,462.32	39.74
		For Tempered Clear Insulated Glass, Add	*276.67*	

08 52 16 00-0686 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0687	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	592.24	25.80
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0688	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	628.64	26.57
		For Tempered Clear Insulated Glass, Add	*115.10*	
08 52 16 00-0689	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	678.82	27.61
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0690	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	734.49	28.90
		For Tempered Clear Insulated Glass, Add	*135.34*	
08 52 16 00-0691	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	814.95	30.96
		For Tempered Clear Insulated Glass, Add	*150.61*	
08 52 16 00-0692	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	871.77	32.00
		For Tempered Clear Insulated Glass, Add	*161.56*	
08 52 16 00-0693	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	951.71	34.06
		For Tempered Clear Insulated Glass, Add	*176.82*	
08 52 16 00-0694	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,007.39	35.08
		For Tempered Clear Insulated Glass, Add	*187.44*	
08 52 16 00-0695	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,088.98	36.89
		For Tempered Clear Insulated Glass, Add	*203.04*	
08 52 16 00-0696	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,564.76	40.25
		For Tempered Clear Insulated Glass, Add	*296.85*	

08 52 16 00-0697 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0698	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	678.82	27.61
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0699	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	751.59	28.64
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0700	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	814.82	29.93
		For Tempered Clear Insulated Glass, Add	*150.99*	
08 52 16 00-0701	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	906.99	32.00
		For Tempered Clear Insulated Glass, Add	*168.60*	
08 52 16 00-0702	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	969.70	33.03
		For Tempered Clear Insulated Glass, Add	*180.73*	
08 52 16 00-0703	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,059.40	35.08
		For Tempered Clear Insulated Glass, Add	*197.95*	
08 52 16 00-0704	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	908.70	36.12
		For Tempered Clear Insulated Glass, Add	*167.29*	
08 52 16 00-0705	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	978.00	37.93
		For Tempered Clear Insulated Glass, Add	*180.43*	

08 52 16 00-0706 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0707	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	803.08	29.93
		For Tempered Clear Insulated Glass, Add	*148.64*	
08 52 16 00-0708	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	911.31	31.47
		For Tempered Clear Insulated Glass, Add	*169.77*	

08 52 16 00-0709 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0710	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	965.68	32.00
		For Tempered Clear Insulated Glass, Add	*180.34*	
08 52 16 00-0711	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,075.87	33.54
		For Tempered Clear Insulated Glass, Add	*201.86*	
08 52 16 00-0712	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,236.50	35.35
		For Tempered Clear Insulated Glass, Add	*233.16*	

08 52 16 00-0713 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0714	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,209.63	34.83
		For Tempered Clear Insulated Glass, Add	*227.99*	
08 52 16 00-0715	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,305.63	36.12
		For Tempered Clear Insulated Glass, Add	*246.68*	

08 52 16 00-0716 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0717	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,331.61	35.08
		For Tempered Clear Insulated Glass, Add	*252.29*	
08 52 16 00-0718	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,372.95	37.93
		For Tempered Clear Insulated Glass, Add	*259.42*	
08 52 16 00-0719	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,527.53	39.22
		For Tempered Clear Insulated Glass, Add	*289.82*	
08 52 16 00-0720	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,683.30	41.28
		For Tempered Clear Insulated Glass, Add	*320.15*	

08 52 16 00-0721 Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*

08 52 16 00-0722 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0723	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	390.34	21.15
		For Tempered Clear Insulated Glass, Add	*69.60*	
08 52 16 00-0724	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	421.75	22.19
		For Tempered Clear Insulated Glass, Add	*75.47*	
08 52 16 00-0725	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.22	22.96
		For Tempered Clear Insulated Glass, Add	*79.26*	
08 52 16 00-0726	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	476.23	24.00
		For Tempered Clear Insulated Glass, Add	*85.65*	
08 52 16 00-0727	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	512.07	25.29
		For Tempered Clear Insulated Glass, Add	*92.30*	
08 52 16 00-0728	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	567.06	27.35
		For Tempered Clear Insulated Glass, Add	*102.47*	
08 52 16 00-0729	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.43	28.38
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-0730	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	652.95	30.44
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0731	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	688.80	31.47
		For Tempered Clear Insulated Glass, Add	*125.17*	
08 52 16 00-0732	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	741.32	33.28
		For Tempered Clear Insulated Glass, Add	*134.95*	

08 52 16 00-0733 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0734	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	415.36	22.19
		For Tempered Clear Insulated Glass, Add	*74.30*	
08 52 16 00-0735	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	446.78	23.22
		For Tempered Clear Insulated Glass, Add	*80.17*	
08 52 16 00-0736	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	465.33	23.74
		For Tempered Clear Insulated Glass, Add	*83.57*	
08 52 16 00-0737	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	503.21	24.77
		For Tempered Clear Insulated Glass, Add	*90.73*	
08 52 16 00-0738	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	539.04	26.32
		For Tempered Clear Insulated Glass, Add	*97.39*	
08 52 16 00-0739	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	592.09	28.12
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0740	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	627.41	29.42
		For Tempered Clear Insulated Glass, Add	*113.82*	
08 52 16 00-0741	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	677.97	30.96
		For Tempered Clear Insulated Glass, Add	*123.21*	
08 52 16 00-0742	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	715.77	32.51
		For Tempered Clear Insulated Glass, Add	*130.25*	
08 52 16 00-0743	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	766.33	34.06
		For Tempered Clear Insulated Glass, Add	*139.64*	

08 52 16 00-0744 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0745	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.86	23.22
		For Tempered Clear Insulated Glass, Add	*79.39*	
08 52 16 00-0746	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	474.27	24.25
		For Tempered Clear Insulated Glass, Add	*85.26*	
08 52 16 00-0747	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	490.63	24.77
		For Tempered Clear Insulated Glass, Add	*88.22*	
08 52 16 00-0748	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	528.75	25.80
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0749	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	564.59	27.35
		For Tempered Clear Insulated Glass, Add	*102.08*	
08 52 16 00-0750	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	617.63	29.15
		For Tempered Clear Insulated Glass, Add	*111.86*	
08 52 16 00-0751	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	652.95	30.44
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0752	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	705.48	32.00
		For Tempered Clear Insulated Glass, Add	*128.30*	
08 52 16 00-0753	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	741.32	33.54
		For Tempered Clear Insulated Glass, Add	*134.95*	
08 52 16 00-0754	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	793.84	35.08
		For Tempered Clear Insulated Glass, Add	*144.73*	

08 52 16 00-0755 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0756	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.97	24.25
		For Tempered Clear Insulated Glass, Add	*79.00*	
08 52 16 00-0757	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	486.11	25.29
		For Tempered Clear Insulated Glass, Add	*87.21*	
08 52 16 00-0758	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	509.28	25.80
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0759	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	530.82	26.83
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0760	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	613.61	28.38
		For Tempered Clear Insulated Glass, Add	*111.47*	
08 52 16 00-0761	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	686.21	30.18
		For Tempered Clear Insulated Glass, Add	*125.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0762	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	735.23	31.47
		For Tempered Clear Insulated Glass, Add	*134.56*	
08 52 16 00-0763	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	807.31	33.03
		For Tempered Clear Insulated Glass, Add	*148.25*	
08 52 16 00-0764	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	858.81	34.57
		For Tempered Clear Insulated Glass, Add	*158.04*	
08 52 16 00-0765	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	930.89	36.12
		For Tempered Clear Insulated Glass, Add	*171.73*	

08 52 16 00-0766 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0767	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	509.28	25.80
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0768	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	539.04	26.57
		For Tempered Clear Insulated Glass, Add	*97.18*	
08 52 16 00-0769	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	579.26	27.61
		For Tempered Clear Insulated Glass, Add	*104.81*	
08 52 16 00-0770	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	624.98	28.90
		For Tempered Clear Insulated Glass, Add	*113.44*	
08 52 16 00-0771	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	690.50	30.96
		For Tempered Clear Insulated Glass, Add	*125.72*	
08 52 16 00-0772	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	735.71	32.00
		For Tempered Clear Insulated Glass, Add	*134.34*	
08 52 16 00-0773	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	800.72	34.06
		For Tempered Clear Insulated Glass, Add	*146.62*	
08 52 16 00-0774	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	844.78	35.08
		For Tempered Clear Insulated Glass, Add	*154.92*	
08 52 16 00-0775	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	909.78	36.89
		For Tempered Clear Insulated Glass, Add	*167.20*	

08 52 16 00-0776 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0777	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	579.26	27.61
		For Tempered Clear Insulated Glass, Add	*104.81*	
08 52 16 00-0778	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	640.07	28.64
		For Tempered Clear Insulated Glass, Add	*116.56*	
08 52 16 00-0779	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	689.61	29.93
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0780	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	764.17	32.00
		For Tempered Clear Insulated Glass, Add	*140.04*	
08 52 16 00-0781	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	813.18	33.03
		For Tempered Clear Insulated Glass, Add	*149.43*	
08 52 16 00-0782	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	885.28	35.08
		For Tempered Clear Insulated Glass, Add	*163.12*	
08 52 16 00-0783	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	934.80	36.12
		For Tempered Clear Insulated Glass, Add	*172.51*	
08 52 16 00-0784	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,006.90	37.93
		For Tempered Clear Insulated Glass, Add	*186.21*	

08 52 16 00-0785 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0636)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0786 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*

08 52 16 00-0787 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0788	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	547.83	21.15
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0789	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	589.02	22.19
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0790	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	623.08	22.96
		For Tempered Low-E Insulated Glass, Add	*115.43*	
08 52 16 00-0791	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	666.00	24.00
		For Tempered Low-E Insulated Glass, Add	*123.60*	
08 52 16 00-0792	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	715.04	25.29
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0793	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	790.10	27.35
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0794	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	838.62	28.38
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0795	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	908.26	30.44
		For Tempered Low-E Insulated Glass, Add	*169.58*	
08 52 16 00-0796	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	931.78	31.47
		For Tempered Low-E Insulated Glass, Add	*173.76*	
08 52 16 00-0797	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.58	33.28
		For Tempered Low-E Insulated Glass, Add	*186.80*	

08 52 16 00-0798 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0799	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	579.93	22.19
		For Tempered Low-E Insulated Glass, Add	*107.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0800	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	624.81	23.22
		For Tempered Low-E Insulated Glass, Add	*115.78*	
08 52 16 00-0801	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	653.65	23.74
		For Tempered Low-E Insulated Glass, Add	*121.24*	
08 52 16 00-0802	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	701.79	24.77
		For Tempered Low-E Insulated Glass, Add	*130.45*	
08 52 16 00-0803	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	750.82	26.32
		For Tempered Low-E Insulated Glass, Add	*139.74*	
08 52 16 00-0804	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	823.44	28.12
		For Tempered Low-E Insulated Glass, Add	*153.44*	
08 52 16 00-0805	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	871.96	29.42
		For Tempered Low-E Insulated Glass, Add	*162.73*	
08 52 16 00-0806	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	944.05	30.96
		For Tempered Low-E Insulated Glass, Add	*176.43*	
08 52 16 00-0807	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	964.71	32.51
		For Tempered Low-E Insulated Glass, Add	*180.04*	
08 52 16 00-0808	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,035.92	34.06
		For Tempered Low-E Insulated Glass, Add	*193.56*	
08 52 16 00-0809	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,663.71	37.67
		For Tempered Low-E Insulated Glass, Add	*317.78*	

08 52 16 00-0810 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0811	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	619.92	23.22
		For Tempered Low-E Insulated Glass, Add	*114.80*	
08 52 16 00-0812	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	661.11	24.25
		For Tempered Low-E Insulated Glass, Add	*122.62*	
08 52 16 00-0813	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	688.91	24.77
		For Tempered Low-E Insulated Glass, Add	*127.87*	
08 52 16 00-0814	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	738.08	25.80
		For Tempered Low-E Insulated Glass, Add	*137.30*	
08 52 16 00-0815	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	787.13	27.35
		For Tempered Low-E Insulated Glass, Add	*146.59*	
08 52 16 00-0816	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	862.18	29.15
		For Tempered Low-E Insulated Glass, Add	*160.77*	
08 52 16 00-0817	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	910.71	30.44
		For Tempered Low-E Insulated Glass, Add	*170.07*	
08 52 16 00-0818	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	982.80	32.00
		For Tempered Low-E Insulated Glass, Add	*183.76*	
08 52 16 00-0819	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.58	33.54
		For Tempered Low-E Insulated Glass, Add	*186.80*	
08 52 16 00-0820	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,069.29	35.08
		For Tempered Low-E Insulated Glass, Add	*199.82*	
08 52 16 00-0821	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,754.96	38.70
		For Tempered Low-E Insulated Glass, Add	*335.61*	

08 52 16 00-0822 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0823	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	614.64	24.25
		For Tempered Low-E Insulated Glass, Add	*113.33*	
08 52 16 00-0824	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	680.29	25.29
		For Tempered Low-E Insulated Glass, Add	*126.05*	
08 52 16 00-0825	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	722.08	25.80
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0826	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	801.29	26.83
		For Tempered Low-E Insulated Glass, Add	*149.52*	
08 52 16 00-0827	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	879.69	28.38
		For Tempered Low-E Insulated Glass, Add	*164.69*	
08 52 16 00-0828	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	993.85	30.18
		For Tempered Low-E Insulated Glass, Add	*186.70*	
08 52 16 00-0829	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,069.29	31.47
		For Tempered Low-E Insulated Glass, Add	*201.37*	
08 52 16 00-0830	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,182.95	33.03
		For Tempered Low-E Insulated Glass, Add	*223.38*	
08 52 16 00-0831	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,222.37	34.57
		For Tempered Low-E Insulated Glass, Add	*230.75*	
08 52 16 00-0832	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,545.20	36.12
		For Tempered Low-E Insulated Glass, Add	*294.59*	
08 52 16 00-0833	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,802.84	39.74
		For Tempered Low-E Insulated Glass, Add	*344.78*	

08 52 16 00-0834 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0835	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	722.08	25.80
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0836	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	767.19	26.57
		For Tempered Low-E Insulated Glass, Add	*142.81*	
08 52 16 00-0837	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	829.39	27.61
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0838	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	898.34	28.90
		For Tempered Low-E Insulated Glass, Add	*168.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0839	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	997.88	30.96
		For Tempered Low-E Insulated Glass, Add	*187.19*	
08 52 16 00-0840	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,068.39	32.00
		For Tempered Low-E Insulated Glass, Add	*200.88*	
08 52 16 00-0841	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,167.41	34.06
		For Tempered Low-E Insulated Glass, Add	*219.96*	
08 52 16 00-0842	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,236.36	35.08
		For Tempered Low-E Insulated Glass, Add	*233.24*	
08 52 16 00-0843	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,337.45	36.89
		For Tempered Low-E Insulated Glass, Add	*252.73*	
08 52 16 00-0844	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,930.50	40.25
		For Tempered Low-E Insulated Glass, Add	*370.00*	
08 52 16 00-0845		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0846	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	829.39	27.61
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0847	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	919.84	28.64
		For Tempered Low-E Insulated Glass, Add	*172.51*	
08 52 16 00-0848	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	998.24	29.93
		For Tempered Low-E Insulated Glass, Add	*187.68*	
08 52 16 00-0849	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,112.41	32.00
		For Tempered Low-E Insulated Glass, Add	*209.68*	
08 52 16 00-0850	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,190.29	33.03
		For Tempered Low-E Insulated Glass, Add	*224.85*	
08 52 16 00-0851	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,301.51	35.08
		For Tempered Low-E Insulated Glass, Add	*246.37*	
08 52 16 00-0852	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,112.49	36.12
		For Tempered Low-E Insulated Glass, Add	*208.05*	
08 52 16 00-0853	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,198.21	37.93
		For Tempered Low-E Insulated Glass, Add	*224.47*	
08 52 16 00-0854		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0855	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	980.98	29.93
		For Tempered Low-E Insulated Glass, Add	*184.74*	
08 52 16 00-0856	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,119.75	32.00
		For Tempered Low-E Insulated Glass, Add	*211.15*	
08 52 16 00-0857		48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0858	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,185.78	32.00
		For Tempered Low-E Insulated Glass, Add	*224.36*	
08 52 16 00-0859	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,322.87	33.54
		For Tempered Low-E Insulated Glass, Add	*251.26*	
08 52 16 00-0860	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,522.63	35.35
		For Tempered Low-E Insulated Glass, Add	*290.39*	
08 52 16 00-0861		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0862	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,489.29	34.83
		For Tempered Low-E Insulated Glass, Add	*283.92*	
08 52 16 00-0863	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,608.66	36.12
		For Tempered Low-E Insulated Glass, Add	*307.28*	
08 52 16 00-0864		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0865	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,641.64	35.08
		For Tempered Low-E Insulated Glass, Add	*314.29*	
08 52 16 00-0866	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,691.90	37.93
		For Tempered Low-E Insulated Glass, Add	*323.21*	
08 52 16 00-0867	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,884.48	39.22
		For Tempered Low-E Insulated Glass, Add	*361.21*	
08 52 16 00-0868	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,078.16	41.28
		For Tempered Low-E Insulated Glass, Add	*399.12*	
08 52 16 00-0869		Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*		
08 52 16 00-0870		17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0871	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	472.02	21.15
		For Tempered Low-E Insulated Glass, Add	*85.94*	
08 52 16 00-0872	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	510.77	22.19
		For Tempered Low-E Insulated Glass, Add	*93.28*	
08 52 16 00-0873	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	535.97	22.96
		For Tempered Low-E Insulated Glass, Add	*98.01*	
08 52 16 00-0874	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	577.96	24.00
		For Tempered Low-E Insulated Glass, Add	*105.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0875	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	622.11	25.29
		For Tempered Low-E Insulated Glass, Add	*114.31*	
08 52 16 00-0876	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	689.83	27.35
		For Tempered Low-E Insulated Glass, Add	*127.03*	
08 52 16 00-0877	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	731.02	28.38
		For Tempered Low-E Insulated Glass, Add	*134.85*	
08 52 16 00-0878	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	795.77	30.44
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0879	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	839.93	31.47
		For Tempered Low-E Insulated Glass, Add	*155.39*	
08 52 16 00-0880	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	904.68	33.28
		For Tempered Low-E Insulated Glass, Add	*167.62*	

08 52 16 00-0881 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0882	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	502.91	22.19
		For Tempered Low-E Insulated Glass, Add	*91.81*	
08 52 16 00-0883	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	541.66	23.22
		For Tempered Low-E Insulated Glass, Add	*99.15*	
08 52 16 00-0884	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	564.47	23.74
		For Tempered Low-E Insulated Glass, Add	*103.40*	
08 52 16 00-0885	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	611.30	24.77
		For Tempered Low-E Insulated Glass, Add	*112.35*	
08 52 16 00-0886	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	655.45	26.32
		For Tempered Low-E Insulated Glass, Add	*120.67*	
08 52 16 00-0887	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	720.72	28.12
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0888	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	764.36	29.42
		For Tempered Low-E Insulated Glass, Add	*141.21*	
08 52 16 00-0889	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	826.66	30.96
		For Tempered Low-E Insulated Glass, Add	*152.95*	
08 52 16 00-0890	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	873.26	32.51
		For Tempered Low-E Insulated Glass, Add	*161.75*	
08 52 16 00-0891	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	935.56	34.06
		For Tempered Low-E Insulated Glass, Add	*173.49*	

08 52 16 00-0892 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0893	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	536.77	23.22
		For Tempered Low-E Insulated Glass, Add	*98.17*	
08 52 16 00-0894	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	575.51	24.25
		For Tempered Low-E Insulated Glass, Add	*105.50*	
08 52 16 00-0895	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	595.58	24.77
		For Tempered Low-E Insulated Glass, Add	*109.21*	
08 52 16 00-0896	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	642.71	25.80
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0897	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	686.86	27.35
		For Tempered Low-E Insulated Glass, Add	*126.54*	
08 52 16 00-0898	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	752.13	29.15
		For Tempered Low-E Insulated Glass, Add	*138.76*	
08 52 16 00-0899	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	795.77	30.44
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0900	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	860.52	32.00
		For Tempered Low-E Insulated Glass, Add	*159.31*	
08 52 16 00-0901	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	904.68	33.54
		For Tempered Low-E Insulated Glass, Add	*167.62*	
08 52 16 00-0902	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	969.43	35.08
		For Tempered Low-E Insulated Glass, Add	*179.85*	

08 52 16 00-0903 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*

08 52 16 00-0904	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	536.39	24.25
		For Tempered Low-E Insulated Glass, Add	*97.68*	
08 52 16 00-0905	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	589.80	25.29
		For Tempered Low-E Insulated Glass, Add	*107.95*	
08 52 16 00-0906	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	618.38	25.80
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0907	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	644.78	26.83
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0908	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	747.63	28.38
		For Tempered Low-E Insulated Glass, Add	*138.28*	
08 52 16 00-0909	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	837.34	30.18
		For Tempered Low-E Insulated Glass, Add	*155.39*	
08 52 16 00-0910	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	898.10	31.47
		For Tempered Low-E Insulated Glass, Add	*167.13*	
08 52 16 00-0911	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	987.31	33.03
		For Tempered Low-E Insulated Glass, Add	*184.25*	
08 52 16 00-0912	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,051.03	34.57
		For Tempered Low-E Insulated Glass, Add	*196.48*	
08 52 16 00-0913	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,140.23	36.12
		For Tempered Low-E Insulated Glass, Add	*213.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0914		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0915	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	618.38	25.80
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0916	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	655.19	26.57
		For Tempered Low-E Insulated Glass, Add	*120.41*	
08 52 16 00-0917	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	704.95	27.61
		For Tempered Low-E Insulated Glass, Add	*129.95*	
08 52 16 00-0918	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	761.46	28.90
		For Tempered Low-E Insulated Glass, Add	*140.73*	
08 52 16 00-0919	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	842.33	30.96
		For Tempered Low-E Insulated Glass, Add	*156.08*	
08 52 16 00-0920	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	898.32	32.00
		For Tempered Low-E Insulated Glass, Add	*166.87*	
08 52 16 00-0921	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	978.67	34.06
		For Tempered Low-E Insulated Glass, Add	*182.21*	
08 52 16 00-0922	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,033.10	35.08
		For Tempered Low-E Insulated Glass, Add	*192.58*	
08 52 16 00-0923	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,113.45	36.89
		For Tempered Low-E Insulated Glass, Add	*207.93*	
08 52 16 00-0924		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0925	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	704.95	27.61
		For Tempered Low-E Insulated Glass, Add	*129.95*	
08 52 16 00-0926	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	780.45	28.64
		For Tempered Low-E Insulated Glass, Add	*144.63*	
08 52 16 00-0927	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	841.72	29.93
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0928	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	933.89	32.00
		For Tempered Low-E Insulated Glass, Add	*173.98*	
08 52 16 00-0929	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	994.64	33.03
		For Tempered Low-E Insulated Glass, Add	*185.72*	
08 52 16 00-0930	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,083.86	35.08
		For Tempered Low-E Insulated Glass, Add	*202.84*	
08 52 16 00-0931	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,145.12	36.12
		For Tempered Low-E Insulated Glass, Add	*214.58*	
08 52 16 00-0932	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,234.33	37.93
		For Tempered Low-E Insulated Glass, Add	*231.69*	
08 52 16 00-0933		Horizontal Sliding Wood Clad Windows *(08 52 16)*		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0934		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0936	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	556.41	27.35
		For Tempered Clear Insulated Glass, Add	*100.45*	
08 52 16 00-0937		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0938	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	509.85	25.29
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0939	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	600.56	28.90
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0940		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0941	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	600.56	28.90
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0942	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	691.26	32.00
		For Tempered Clear Insulated Glass, Add	*125.56*	
08 52 16 00-0943	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	781.97	34.83
		For Tempered Clear Insulated Glass, Add	*142.46*	
08 52 16 00-0944	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	872.67	37.93
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0945		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0946	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	647.11	30.44
		For Tempered Clear Insulated Glass, Add	*117.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0947	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	735.41	33.54
		For Tempered Clear Insulated Glass, Add	*133.77*	
08 52 16 00-0948	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	826.11	36.38
		For Tempered Clear Insulated Glass, Add	*150.67*	
08 52 16 00-0949	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,001.32	39.47
		For Tempered Clear Insulated Glass, Add	*184.47*	
08 52 16 00-0950		**47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0951	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	691.26	32.00
		For Tempered Clear Insulated Glass, Add	*125.56*	
08 52 16 00-0952	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	781.97	35.08
		For Tempered Clear Insulated Glass, Add	*142.46*	
08 52 16 00-0953	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	872.67	37.93
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0954	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	963.36	41.03
		For Tempered Clear Insulated Glass, Add	*176.26*	
08 52 16 00-0955		**53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0956	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	826.11	36.64
		For Tempered Clear Insulated Glass, Add	*150.67*	
08 52 16 00-0957	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	916.81	39.47
		For Tempered Clear Insulated Glass, Add	*167.57*	
08 52 16 00-0958	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,007.51	42.57
		For Tempered Clear Insulated Glass, Add	*184.47*	
08 52 16 00-0959		**59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0960	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	872.67	38.18
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0961	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	963.36	41.03
		For Tempered Clear Insulated Glass, Add	*176.26*	
08 52 16 00-0962	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,054.26	44.12
		For Tempered Clear Insulated Glass, Add	*193.20*	
08 52 16 00-0963		**Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964		**22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0965	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,357.12	25.29
		For Tempered Low-E Insulated Glass, Add	*261.21*	
08 52 16 00-0966	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,621.68	28.90
		For Tempered Low-E Insulated Glass, Add	*312.88*	
08 52 16 00-0967		**35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0968	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,643.41	28.90
		For Tempered Low-E Insulated Glass, Add	*317.23*	
08 52 16 00-0969	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,910.38	32.00
		For Tempered Low-E Insulated Glass, Add	*369.38*	
08 52 16 00-0970	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,174.94	34.83
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0971	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,439.49	37.93
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0972		**41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0973	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,776.89	30.44
		For Tempered Low-E Insulated Glass, Add	*343.30*	
08 52 16 00-0974	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,041.45	33.54
		For Tempered Low-E Insulated Glass, Add	*394.98*	
08 52 16 00-0975	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,308.42	36.38
		For Tempered Low-E Insulated Glass, Add	*447.13*	
08 52 16 00-0976	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,572.97	39.47
		For Tempered Low-E Insulated Glass, Add	*498.80*	
08 52 16 00-0977		**47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0978	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,910.38	32.00
		For Tempered Low-E Insulated Glass, Add	*369.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0979	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,174.94	35.08
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0980	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,439.49	37.93
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0981	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,706.44	41.03
		For Tempered Low-E Insulated Glass, Add	*524.88*	

08 52 16 00-0982 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*

08 52 16 00-0983	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,174.94	35.08
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0984	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,439.49	38.18
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0985	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,706.44	41.03
		For Tempered Low-E Insulated Glass, Add	*524.88*	
08 52 16 00-0986	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,971.01	44.12
		For Tempered Low-E Insulated Glass, Add	*576.55*	

08 52 16 00-0987 Picture Wood Clad Windows *(08 52 16)*

Note: Picture windows are fixed windows.

08 52 16 00-0988 Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0987)*

08 52 16 00-0989 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0988)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0990 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-0991	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	439.71	20.64
		For Tempered Clear Insulated Glass, Add	*79.69*	
08 52 16 00-0992	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	519.31	22.71
		For Tempered Clear Insulated Glass, Add	*94.78*	
08 52 16 00-0993	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	552.97	23.74
		For Tempered Clear Insulated Glass, Add	*101.10*	
08 52 16 00-0994	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	600.46	25.80
		For Tempered Clear Insulated Glass, Add	*109.88*	
08 52 16 00-0995	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	632.89	26.83
		For Tempered Clear Insulated Glass, Add	*115.84*	
08 52 16 00-0996	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	680.38	28.90
		For Tempered Clear Insulated Glass, Add	*124.62*	

08 52 16 00-0997 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-0998	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	480.42	25.29
		For Tempered Clear Insulated Glass, Add	*85.97*	
08 52 16 00-0999	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	564.22	26.83
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1000	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	687.20	28.64
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1001	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	768.51	29.67
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1002	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	888.99	31.47
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1003	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	972.78	32.76
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1004	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,489.45	34.57
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1005 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1006	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	564.22	26.83
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1007	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	648.02	27.86
		For Tempered Clear Insulated Glass, Add	*118.46*	
08 52 16 00-1008	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	771.00	29.93
		For Tempered Clear Insulated Glass, Add	*142.23*	
08 52 16 00-1009	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	852.29	30.96
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1010	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	972.78	33.03
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1011	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,056.57	34.06
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1012	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.06	36.12
		For Tempered Clear Insulated Glass, Add	*221.07*	

08 52 16 00-1013 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1014	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	687.20	28.90
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1015	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	771.00	29.93
		For Tempered Clear Insulated Glass, Add	*142.23*	
08 52 16 00-1016	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	893.98	32.00
		For Tempered Clear Insulated Glass, Add	*166.00*	
08 52 16 00-1017	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	975.28	33.03
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1018	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,095.77	35.08
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1019	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,179.56	36.12
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1020	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,300.05	38.18
		For Tempered Clear Insulated Glass, Add	*244.84*	

08 52 16 00-1021 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1022	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	768.51	29.93
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1023	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	852.29	30.96
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1024	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	975.28	33.03
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1025	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,056.57	34.06
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1026	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.06	36.12
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1027	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,260.86	37.15
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1028	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,498.22	39.22
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1029 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1030	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	888.99	31.47
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1031	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	972.78	33.03
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1032	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,095.77	34.83
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1033	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.06	35.86
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1034	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,297.54	37.67
		For Tempered Clear Insulated Glass, Add	*244.44*	
08 52 16 00-1035	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,381.34	38.96
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1036	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,501.83	40.76
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1037 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1038	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	972.78	33.03
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1039	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,056.57	34.06
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1040	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,179.56	36.12
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1041	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,260.86	37.15
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1042	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,498.22	39.22
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1043 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1044	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,093.27	34.57
		For Tempered Clear Insulated Glass, Add	*204.82*	
08 52 16 00-1045	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.06	36.12
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1046	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,300.05	37.93
		For Tempered Clear Insulated Glass, Add	*244.84*	
08 52 16 00-1047	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,381.34	38.96
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1048	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,501.83	40.76
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1049 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0988)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1050		**12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1051	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	533.17	20.64
		For Tempered Low-E Insulated Glass, Add	*98.38*	
08 52 16 00-1052	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	630.47	22.71
		For Tempered Low-E Insulated Glass, Add	*117.01*	
08 52 16 00-1053	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	671.55	23.74
		For Tempered Low-E Insulated Glass, Add	*124.82*	
08 52 16 00-1054	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	729.33	25.80
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1055	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	768.76	26.83
		For Tempered Low-E Insulated Glass, Add	*143.02*	
08 52 16 00-1056	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	826.54	28.90
		For Tempered Low-E Insulated Glass, Add	*153.85*	
08 52 16 00-1057		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	581.25	25.29
		For Tempered Low-E Insulated Glass, Add	*106.14*	
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	684.10	26.83
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.96	28.64
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1061	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	934.85	29.67
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,082.75	31.47
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.59	32.76
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,822.60	34.57
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1065		**40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	684.10	26.83
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	786.95	27.86
		For Tempered Low-E Insulated Glass, Add	*146.24*	
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	937.81	29.93
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,037.69	30.96
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.59	33.03
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,288.43	34.06
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,436.33	36.12
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1073		**48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.96	28.90
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	937.81	29.93
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,088.67	32.00
		For Tempered Low-E Insulated Glass, Add	*204.94*	
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,188.55	33.03
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,336.46	35.08
		For Tempered Low-E Insulated Glass, Add	*253.36*	
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,439.30	36.12
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,587.20	38.18
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1081		**52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1082	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	934.85	29.93
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1083	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,037.69	30.96
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1084	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,188.55	33.03
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1085	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,288.43	34.06
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1086	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,436.33	36.12
		For Tempered Low-E Insulated Glass, Add	*272.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1087	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,539.19	37.15
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1088	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,831.37	39.22
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1089 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1090	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,082.75	31.47
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1091	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.59	33.03
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1092	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,336.46	34.83
		For Tempered Low-E Insulated Glass, Add	*253.36*	
08 52 16 00-1093	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,436.33	35.86
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1094	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,584.23	37.67
		For Tempered Low-E Insulated Glass, Add	*301.78*	
08 52 16 00-1095	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,687.09	38.96
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1096	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,834.98	40.76
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1097 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1098	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,185.59	33.03
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1099	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,288.43	34.06
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1100	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,439.30	36.12
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1101	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,539.19	37.15
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1102	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,831.37	39.22
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1103 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1104	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,333.49	34.57
		For Tempered Low-E Insulated Glass, Add	*252.87*	
08 52 16 00-1105	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,436.33	36.12
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1106	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,587.20	37.93
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1107	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,687.09	38.96
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1108	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,834.98	40.76
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1109 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0987)*

08 52 16 00-1110 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1109)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1111 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1112	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	617.07	32.25
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1113	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	

08 52 16 00-1114 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1115	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1116	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	

08 52 16 00-1117 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1118	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	721.70	36.89
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1119	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	738.41	37.67
		For Tempered Clear Insulated Glass, Add	*132.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1120		**56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1121	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	617.07	32.51
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1122	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	721.70	36.89
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1123		**59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1124	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1125	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	738.41	37.67
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1126	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1127	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	807.45	40.76
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1128		**65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1129	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	807.45	40.76
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1130		**71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1131	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1132		**Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133		**48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1134	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	726.75	24.25
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1135	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,025.69	30.96
		For Tempered Low-E Insulated Glass, Add	*192.86*	
08 52 16 00-1136	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,071.09	31.74
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1137	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,139.20	33.28
		For Tempered Low-E Insulated Glass, Add	*214.53*	
08 52 16 00-1138	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,184.60	34.57
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1139	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,277.58	36.38
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1140	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,370.55	38.70
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1141		**52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1142	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	774.33	25.29
		For Tempered Low-E Insulated Glass, Add	*144.75*	
08 52 16 00-1143	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,071.09	32.00
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1144	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,118.66	32.76
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1145	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,184.60	34.32
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1146	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,232.17	35.61
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1147	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,325.14	37.42
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1148	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.12	39.74
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1149		**56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1150	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	819.73	26.32
		For Tempered Low-E Insulated Glass, Add	*153.42*	
08 52 16 00-1151	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,118.66	33.03
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1152	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,164.07	33.80
		For Tempered Low-E Insulated Glass, Add	*219.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1153	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,232.17	35.35
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1154	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,277.58	36.64
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1155	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,370.55	38.44
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1156	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,465.68	40.76
		For Tempered Low-E Insulated Glass, Add	*276.93*	

08 52 16 00-1157 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1158	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	867.30	27.35
		For Tempered Low-E Insulated Glass, Add	*162.52*	
08 52 16 00-1159	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,164.07	34.06
		For Tempered Low-E Insulated Glass, Add	*219.29*	
08 52 16 00-1160	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,211.64	34.83
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1161	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,277.58	36.38
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1162	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,325.14	37.67
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1163	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.12	39.47
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1164	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,511.09	41.79
		For Tempered Low-E Insulated Glass, Add	*285.60*	

08 52 16 00-1165 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1166	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	912.70	28.38
		For Tempered Low-E Insulated Glass, Add	*171.19*	
08 52 16 00-1167	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,211.64	35.08
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1168	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,259.20	35.86
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1169	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,325.14	37.42
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1170	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,370.55	38.70
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1171	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,465.68	40.51
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1172	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.66	42.83
		For Tempered Low-E Insulated Glass, Add	*294.70*	

08 52 16 00-1173 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1174	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	960.26	29.42
		For Tempered Low-E Insulated Glass, Add	*180.29*	
08 52 16 00-1175	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,259.20	36.12
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1176	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,304.61	36.89
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1177	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,370.55	38.44
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1178	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.12	39.74
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1179	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,511.09	41.54
		For Tempered Low-E Insulated Glass, Add	*285.60*	
08 52 16 00-1180	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,604.06	43.86
		For Tempered Low-E Insulated Glass, Add	*303.37*	

08 52 16 00-1181 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,005.67	30.44
		For Tempered Low-E Insulated Glass, Add	*188.96*	
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,304.61	37.15
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,352.18	37.93
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,418.12	39.47
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,465.68	40.76
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,558.66	42.57
		For Tempered Low-E Insulated Glass, Add	*294.70*	
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,651.64	44.89
		For Tempered Low-E Insulated Glass, Add	*312.47*	

08 52 16 00-1189 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,053.25	31.47
		For Tempered Low-E Insulated Glass, Add	*198.06*	
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,352.18	38.18
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,397.58	38.96
		For Tempered Low-E Insulated Glass, Add	*263.93*	
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,465.68	40.51
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,511.09	41.79
		For Tempered Low-E Insulated Glass, Add	*285.60*	
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,604.06	43.60
		For Tempered Low-E Insulated Glass, Add	*303.37*	
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,697.03	45.93
		For Tempered Low-E Insulated Glass, Add	*321.14*	

08 52 16 00-1197 Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0987)*

08 52 16 00-1198 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1197)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1199 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	617.07	32.25
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	

08 52 16 00-1202 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	

08 52 16 00-1205 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	721.70	36.89
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	738.41	37.67
		For Tempered Clear Insulated Glass, Add	*132.62*	

08 52 16 00-1208 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	617.07	32.51
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	721.70	36.89
		For Tempered Clear Insulated Glass, Add	*129.58*	

08 52 16 00-1211 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	633.79	33.03
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	738.41	37.67
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	807.45	40.76
		For Tempered Clear Insulated Glass, Add	*145.18*	

08 52 16 00-1216 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	807.45	40.76
		For Tempered Clear Insulated Glass, Add	*145.18*	

08 52 16 00-1218 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*

08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	771.85	39.22
		For Tempered Clear Insulated Glass, Add	*138.68*	

08 52 16 00-1220 Basement Wood Clad Windows *(08 52 16)*

Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1220)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	314.93	20.64
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	335.49	20.64
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	353.57	20.64
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1226		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1227	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	53.47	
08 52 16 00-1228	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	78.80	
08 52 16 00-1229	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	106.94	
08 52 16 00-1230	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	135.08	
08 52 16 00-1231	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	191.37	
08 52 16 00-1232		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1233	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	85.55	
08 52 16 00-1234	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	126.08	
08 52 16 00-1235	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	171.10	
08 52 16 00-1236	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	216.13	
08 52 16 00-1237	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	306.18	
08 52 16 00-1238		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1239	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	102.66	
08 52 16 00-1240	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	151.29	
08 52 16 00-1241	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	205.32	
08 52 16 00-1242	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	259.36	
08 52 16 00-1243	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	367.42	
08 52 16 00-1244		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1245	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	123.21	
08 52 16 00-1246	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	181.54	
08 52 16 00-1247	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	246.38	
08 52 16 00-1248	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	311.22	
08 52 16 00-1249	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	440.90	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	41.38	4.45
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	50.67	4.45
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	55.31	4.45
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	64.60	4.45
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	83.17	4.45
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	92.46	4.45
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	101.74	4.45
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	111.03	4.45
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.40	0.09
08 53		**Plastic Windows** *(08 50)*		
08 53 13		**Vinyl Windows** *(08 53)*		
08 53 13 00-0001		Single Hung Vinyl Windows *(08 53 13)*		
08 53 13 00-0002		New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0003		34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	407.50	23.74
		For Colored Vinyl, Add	*36.00*	
		For Tinted Glass, Add	*43.20*	
		For Low-E Insulated Glass, Add	*90.01*	
		For Obscure Glass, Add	*99.01*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.63	24.77
		For Colored Vinyl, Add	*38.01*	
		For Tinted Glass, Add	*45.61*	
		For Low-E Insulated Glass, Add	*95.02*	
		For Obscure Glass, Add	*104.52*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	438.41	25.29
		For Colored Vinyl, Add	*38.78*	
		For Tinted Glass, Add	*46.54*	
		For Low-E Insulated Glass, Add	*96.96*	
		For Obscure Glass, Add	*106.66*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.20	25.80
		For Colored Vinyl, Add	*39.66*	
		For Tinted Glass, Add	*47.59*	
		For Low-E Insulated Glass, Add	*99.15*	
		For Obscure Glass, Add	*109.07*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	474.80	26.83
		For Colored Vinyl, Add	*42.11*	
		For Tinted Glass, Add	*50.54*	
		For Low-E Insulated Glass, Add	*105.28*	
		For Obscure Glass, Add	*115.81*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	516.01	28.90
		For Colored Vinyl, Add	*45.82*	
		For Tinted Glass, Add	*54.99*	
		For Low-E Insulated Glass, Add	*114.56*	
		For Obscure Glass, Add	*126.01*	
08 53 13 00-0010		36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.59	24.25
		For Colored Vinyl, Add	*36.71*	
		For Tinted Glass, Add	*44.05*	
		For Low-E Insulated Glass, Add	*91.77*	
		For Obscure Glass, Add	*100.95*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	437.73	24.77
		For Colored Vinyl, Add	*38.72*	
		For Tinted Glass, Add	*46.46*	
		For Low-E Insulated Glass, Add	*96.79*	
		For Obscure Glass, Add	*106.47*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	446.50	25.80
		For Colored Vinyl, Add	*39.49*	
		For Tinted Glass, Add	*47.39*	
		For Low-E Insulated Glass, Add	*98.73*	
		For Obscure Glass, Add	*108.60*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	456.31	26.32
		For Colored Vinyl, Add	*40.37*	
		For Tinted Glass, Add	*48.44*	
		For Low-E Insulated Glass, Add	*100.92*	
		For Obscure Glass, Add	*111.01*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	482.90	27.35
		For Colored Vinyl, Add	*42.82*	
		For Tinted Glass, Add	*51.38*	
		For Low-E Insulated Glass, Add	*107.05*	
		For Obscure Glass, Add	*117.76*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	524.10	29.42
		For Colored Vinyl, Add	*46.53*	
		For Tinted Glass, Add	*55.83*	
		For Low-E Insulated Glass, Add	*116.32*	
		For Obscure Glass, Add	*127.95*	
08 53 13 00-0017		38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	423.36	24.77
		For Colored Vinyl, Add	*37.38*	
		For Tinted Glass, Add	*44.86*	
		For Low-E Insulated Glass, Add	*93.46*	
		For Obscure Glass, Add	*102.80*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	445.49	25.80
		For Colored Vinyl, Add	*39.39*	
		For Tinted Glass, Add	*47.27*	
		For Low-E Insulated Glass, Add	*98.47*	
		For Obscure Glass, Add	*108.32*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	454.72	26.32
		For Colored Vinyl, Add	*40.21*	
		For Tinted Glass, Add	*48.25*	
		For Low-E Insulated Glass, Add	*100.52*	
		For Obscure Glass, Add	*110.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.51	26.83
		For Colored Vinyl, Add	*41.08*	
		For Tinted Glass, Add	*49.30*	
		For Low-E Insulated Glass, Add	*102.71*	
		For Obscure Glass, Add	*112.98*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	491.62	27.86
		For Colored Vinyl, Add	*43.59*	
		For Tinted Glass, Add	*52.31*	
		For Low-E Insulated Glass, Add	*108.97*	
		For Obscure Glass, Add	*119.87*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	533.51	29.93
		For Colored Vinyl, Add	*47.37*	
		For Tinted Glass, Add	*56.84*	
		For Low-E Insulated Glass, Add	*118.41*	
		For Obscure Glass, Add	*130.25*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	447.26	26.32
		For Colored Vinyl, Add	*39.46*	
		For Tinted Glass, Add	*47.35*	
		For Low-E Insulated Glass, Add	*98.66*	
		For Obscure Glass, Add	*108.52*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	469.39	27.35
		For Colored Vinyl, Add	*41.47*	
		For Tinted Glass, Add	*49.76*	
		For Low-E Insulated Glass, Add	*103.67*	
		For Obscure Glass, Add	*114.04*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.08	27.86
		For Colored Vinyl, Add	*42.44*	
		For Tinted Glass, Add	*50.92*	
		For Low-E Insulated Glass, Add	*106.09*	
		For Obscure Glass, Add	*116.70*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.88	28.38
		For Colored Vinyl, Add	*43.31*	
		For Tinted Glass, Add	*51.97*	
		For Low-E Insulated Glass, Add	*108.28*	
		For Obscure Glass, Add	*119.11*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	518.45	29.42
		For Colored Vinyl, Add	*45.96*	
		For Tinted Glass, Add	*55.16*	
		For Low-E Insulated Glass, Add	*114.91*	
		For Obscure Glass, Add	*126.40*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	562.21	31.47
		For Colored Vinyl, Add	*49.93*	
		For Tinted Glass, Add	*59.91*	
		For Low-E Insulated Glass, Add	*124.81*	
		For Obscure Glass, Add	*137.29*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	455.36	26.83
		For Colored Vinyl, Add	*40.17*	
		For Tinted Glass, Add	*48.20*	
		For Low-E Insulated Glass, Add	*100.42*	
		For Obscure Glass, Add	*110.46*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	477.48	27.86
		For Colored Vinyl, Add	*42.18*	
		For Tinted Glass, Add	*50.61*	
		For Low-E Insulated Glass, Add	*105.44*	
		For Obscure Glass, Add	*115.98*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	488.63	28.38
		For Colored Vinyl, Add	*43.19*	
		For Tinted Glass, Add	*51.82*	
		For Low-E Insulated Glass, Add	*107.97*	
		For Obscure Glass, Add	*118.76*	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	498.43	28.90
		For Colored Vinyl, Add	*44.06*	
		For Tinted Glass, Add	*52.88*	
		For Low-E Insulated Glass, Add	*110.16*	
		For Obscure Glass, Add	*121.18*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.46	29.93
		For Colored Vinyl, Add	*46.76*	
		For Tinted Glass, Add	*56.11*	
		For Low-E Insulated Glass, Add	*116.90*	
		For Obscure Glass, Add	*128.59*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.89	32.00
		For Colored Vinyl, Add	*50.79*	
		For Tinted Glass, Add	*60.95*	
		For Low-E Insulated Glass, Add	*126.98*	
		For Obscure Glass, Add	*139.67*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	463.57	27.35
		For Colored Vinyl, Add	*40.89*	
		For Tinted Glass, Add	*49.06*	
		For Low-E Insulated Glass, Add	*102.22*	
		For Obscure Glass, Add	*112.44*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	485.69	28.38
		For Colored Vinyl, Add	*42.89*	
		For Tinted Glass, Add	*51.47*	
		For Low-E Insulated Glass, Add	*107.23*	
		For Obscure Glass, Add	*117.96*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.29	28.90
		For Colored Vinyl, Add	*43.95*	
		For Tinted Glass, Add	*52.74*	
		For Low-E Insulated Glass, Add	*109.88*	
		For Obscure Glass, Add	*120.86*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	507.09	29.42
		For Colored Vinyl, Add	*44.83*	
		For Tinted Glass, Add	*53.79*	
		For Low-E Insulated Glass, Add	*112.07*	
		For Obscure Glass, Add	*123.27*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	536.63	30.44
		For Colored Vinyl, Add	*47.57*	
		For Tinted Glass, Add	*57.09*	
		For Low-E Insulated Glass, Add	*118.94*	
		For Obscure Glass, Add	*130.83*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	581.67	32.51
		For Colored Vinyl, Add	*51.67*	
		For Tinted Glass, Add	*62.00*	
		For Low-E Insulated Glass, Add	*129.17*	
		For Obscure Glass, Add	*142.08*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.32	27.86
		For Colored Vinyl, Add	*41.56*	
		For Tinted Glass, Add	*49.87*	
		For Low-E Insulated Glass, Add	*103.90*	
		For Obscure Glass, Add	*114.29*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	493.45	28.90
		For Colored Vinyl, Add	*43.57*	
		For Tinted Glass, Add	*52.28*	
		For Low-E Insulated Glass, Add	*108.92*	
		For Obscure Glass, Add	*119.81*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	505.56	29.42
		For Colored Vinyl, Add	*44.67*	
		For Tinted Glass, Add	*53.61*	
		For Low-E Insulated Glass, Add	*111.69*	
		For Obscure Glass, Add	*122.85*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	515.36	29.93
		For Colored Vinyl, Add	*45.55*	
		For Tinted Glass, Add	*54.66*	
		For Low-E Insulated Glass, Add	*113.88*	
		For Obscure Glass, Add	*125.26*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	545.35	30.96
		For Colored Vinyl, Add	*48.34*	
		For Tinted Glass, Add	*58.01*	
		For Low-E Insulated Glass, Add	*120.86*	
		For Obscure Glass, Add	*132.94*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	591.02	33.03
		For Colored Vinyl, Add	*52.50*	
		For Tinted Glass, Add	*63.00*	
		For Low-E Insulated Glass, Add	*131.24*	
		For Obscure Glass, Add	*144.37*	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	479.14	28.38
		For Colored Vinyl, Add	*42.24*	
		For Tinted Glass, Add	*50.69*	
		For Low-E Insulated Glass, Add	*105.60*	
		For Obscure Glass, Add	*116.15*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	501.26	29.42
		For Colored Vinyl, Add	*44.24*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	513.89	29.93
		For Colored Vinyl, Add	*45.40*	
		For Tinted Glass, Add	*54.48*	
		For Low-E Insulated Glass, Add	*113.51*	
		For Obscure Glass, Add	*124.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	523.68	30.44
		For Colored Vinyl, Add	*46.28*	
		For Tinted Glass, Add	*55.53*	
		For Low-E Insulated Glass, Add	*115.70*	
		For Obscure Glass, Add	*127.27*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	554.19	31.47
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.95*	
		For Low-E Insulated Glass, Add	*122.81*	
		For Obscure Glass, Add	*135.09*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	600.48	33.54
		For Colored Vinyl, Add	*53.34*	
		For Tinted Glass, Add	*64.01*	
		For Low-E Insulated Glass, Add	*133.35*	
		For Obscure Glass, Add	*146.69*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	486.95	28.90
		For Colored Vinyl, Add	*42.92*	
		For Tinted Glass, Add	*51.50*	
		For Low-E Insulated Glass, Add	*107.29*	
		For Obscure Glass, Add	*118.02*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	509.09	29.93
		For Colored Vinyl, Add	*44.92*	
		For Tinted Glass, Add	*53.91*	
		For Low-E Insulated Glass, Add	*112.31*	
		For Obscure Glass, Add	*123.54*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	522.16	30.44
		For Colored Vinyl, Add	*46.13*	
		For Tinted Glass, Add	*55.35*	
		For Low-E Insulated Glass, Add	*115.32*	
		For Obscure Glass, Add	*126.85*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	531.95	30.96
		For Colored Vinyl, Add	*47.00*	
		For Tinted Glass, Add	*56.40*	
		For Low-E Insulated Glass, Add	*117.51*	
		For Obscure Glass, Add	*129.26*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	562.91	32.00
		For Colored Vinyl, Add	*49.89*	
		For Tinted Glass, Add	*59.87*	
		For Low-E Insulated Glass, Add	*124.73*	
		For Obscure Glass, Add	*137.20*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	609.82	34.06
		For Colored Vinyl, Add	*54.17*	
		For Tinted Glass, Add	*65.01*	
		For Low-E Insulated Glass, Add	*135.43*	
		For Obscure Glass, Add	*148.97*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.25	30.44
		For Colored Vinyl, Add	*45.04*	
		For Tinted Glass, Add	*54.04*	
		For Low-E Insulated Glass, Add	*112.59*	
		For Obscure Glass, Add	*123.85*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	533.39	31.47
		For Colored Vinyl, Add	*47.04*	
		For Tinted Glass, Add	*56.45*	
		For Low-E Insulated Glass, Add	*117.61*	
		For Obscure Glass, Add	*129.37*	
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	547.81	32.00
		For Colored Vinyl, Add	*48.38*	
		For Tinted Glass, Add	*58.06*	
		For Low-E Insulated Glass, Add	*120.96*	
		For Obscure Glass, Add	*133.05*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	557.59	32.51
		For Colored Vinyl, Add	*49.26*	
		For Tinted Glass, Add	*59.11*	
		For Low-E Insulated Glass, Add	*123.15*	
		For Obscure Glass, Add	*135.46*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	590.02	33.54
		For Colored Vinyl, Add	*52.29*	
		For Tinted Glass, Add	*62.75*	
		For Low-E Insulated Glass, Add	*130.74*	
		For Obscure Glass, Add	*143.81*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	638.86	35.61
		For Colored Vinyl, Add	*56.77*	
		For Tinted Glass, Add	*68.12*	
		For Low-E Insulated Glass, Add	*141.91*	
		For Obscure Glass, Add	*156.10*	
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	519.06	30.96
		For Colored Vinyl, Add	*45.71*	
		For Tinted Glass, Add	*54.86*	
		For Low-E Insulated Glass, Add	*114.29*	
		For Obscure Glass, Add	*125.71*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	541.20	32.00
		For Colored Vinyl, Add	*47.72*	
		For Tinted Glass, Add	*57.27*	
		For Low-E Insulated Glass, Add	*119.30*	
		For Obscure Glass, Add	*131.23*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	556.18	32.51
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.94*	
		For Low-E Insulated Glass, Add	*122.79*	
		For Obscure Glass, Add	*135.07*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.98	33.03
		For Colored Vinyl, Add	*49.99*	
		For Tinted Glass, Add	*59.99*	
		For Low-E Insulated Glass, Add	*124.98*	
		For Obscure Glass, Add	*137.48*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	598.85	34.06
		For Colored Vinyl, Add	*53.07*	
		For Tinted Glass, Add	*63.69*	
		For Low-E Insulated Glass, Add	*132.69*	
		For Obscure Glass, Add	*145.95*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	648.37	36.12
		For Colored Vinyl, Add	*57.61*	
		For Tinted Glass, Add	*69.14*	
		For Low-E Insulated Glass, Add	*144.03*	
		For Obscure Glass, Add	*158.44*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	535.04	32.00
		For Colored Vinyl, Add	*47.11*	
		For Tinted Glass, Add	*56.53*	
		For Low-E Insulated Glass, Add	*117.76*	
		For Obscure Glass, Add	*129.54*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	557.16	33.03
		For Colored Vinyl, Add	*49.11*	
		For Tinted Glass, Add	*58.93*	
		For Low-E Insulated Glass, Add	*122.78*	
		For Obscure Glass, Add	*135.06*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	573.06	33.54
		For Colored Vinyl, Add	*50.60*	
		For Tinted Glass, Add	*60.72*	
		For Low-E Insulated Glass, Add	*126.50*	
		For Obscure Glass, Add	*139.14*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	582.85	34.06
		For Colored Vinyl, Add	*51.47*	
		For Tinted Glass, Add	*61.77*	
		For Low-E Insulated Glass, Add	*128.69*	
		For Obscure Glass, Add	*141.55*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	616.75	35.08
		For Colored Vinyl, Add	*54.66*	
		For Tinted Glass, Add	*65.59*	
		For Low-E Insulated Glass, Add	*136.64*	
		For Obscure Glass, Add	*150.31*	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	667.46	37.15
		For Colored Vinyl, Add	*59.32*	
		For Tinted Glass, Add	*71.18*	
		For Low-E Insulated Glass, Add	*148.29*	
		For Obscure Glass, Add	*163.12*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	559.32	33.54
		For Colored Vinyl, Add	*49.22*	
		For Tinted Glass, Add	*59.07*	
		For Low-E Insulated Glass, Add	*123.06*	
		For Obscure Glass, Add	*135.37*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	581.46	34.57
		For Colored Vinyl, Add	*51.23*	
		For Tinted Glass, Add	*61.48*	
		For Low-E Insulated Glass, Add	*128.08*	
		For Obscure Glass, Add	*140.89*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	597.36	35.08
		For Colored Vinyl, Add	*52.72*	
		For Tinted Glass, Add	*63.26*	
		For Low-E Insulated Glass, Add	*131.80*	
		For Obscure Glass, Add	*144.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	607.15	35.61
		For Colored Vinyl, Add	*53.59*	
		For Tinted Glass, Add	*64.31*	
		For Low-E Insulated Glass, Add	*133.99*	
		For Obscure Glass, Add	*147.38*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.05	36.64
		For Colored Vinyl, Add	*56.78*	
		For Tinted Glass, Add	*68.13*	
		For Low-E Insulated Glass, Add	*141.94*	
		For Obscure Glass, Add	*156.14*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	691.75	38.70
		For Colored Vinyl, Add	*61.44*	
		For Tinted Glass, Add	*73.72*	
		For Low-E Insulated Glass, Add	*153.59*	
		For Obscure Glass, Add	*168.95*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	631.90	27.10
		For Colored Vinyl, Add	*57.77*	
		For Tinted Glass, Add	*69.33*	
		For Low-E Insulated Glass, Add	*144.43*	
		For Obscure Glass, Add	*158.87*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	692.75	29.67
		For Colored Vinyl, Add	*63.34*	
		For Tinted Glass, Add	*76.01*	
		For Low-E Insulated Glass, Add	*158.35*	
		For Obscure Glass, Add	*174.19*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	747.92	32.25
		For Colored Vinyl, Add	*68.34*	
		For Tinted Glass, Add	*82.01*	
		For Low-E Insulated Glass, Add	*170.86*	
		For Obscure Glass, Add	*187.94*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	783.33	34.83
		For Colored Vinyl, Add	*71.37*	
		For Tinted Glass, Add	*85.64*	
		For Low-E Insulated Glass, Add	*178.42*	
		For Obscure Glass, Add	*196.26*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	820.99	37.42
		For Colored Vinyl, Add	*74.62*	
		For Tinted Glass, Add	*89.54*	
		For Low-E Insulated Glass, Add	*186.54*	
		For Obscure Glass, Add	*205.20*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	893.99	39.99
		For Colored Vinyl, Add	*81.40*	
		For Tinted Glass, Add	*97.68*	
		For Low-E Insulated Glass, Add	*203.50*	
		For Obscure Glass, Add	*223.85*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.46	0.34
		For Colored Vinyl, Add	*0.68*	
		For Tinted Glass, Add	*0.81*	
		For Low-E Insulated Glass, Add	*1.70*	
		For Obscure Glass, Add	*1.86*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	624.96	23.74
		For Colored Vinyl, Add	*57.75*	
		For Tinted Glass, Add	*69.30*	
		For Low-E Insulated Glass, Add	*144.37*	
		For Obscure Glass, Add	*158.81*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	647.10	24.77
		For Colored Vinyl, Add	*59.76*	
		For Tinted Glass, Add	*71.71*	
		For Low-E Insulated Glass, Add	*149.39*	
		For Obscure Glass, Add	*164.33*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	657.74	25.29
		For Colored Vinyl, Add	*60.72*	
		For Tinted Glass, Add	*72.86*	
		For Low-E Insulated Glass, Add	*151.79*	
		For Obscure Glass, Add	*166.97*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	667.53	25.80
		For Colored Vinyl, Add	*61.59*	
		For Tinted Glass, Add	*73.91*	
		For Low-E Insulated Glass, Add	*153.98*	
		For Obscure Glass, Add	*169.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	692.27	26.83
		For Colored Vinyl, Add	*63.86*	
		For Tinted Glass, Add	*76.63*	
		For Low-E Insulated Glass, Add	*159.65*	
		For Obscure Glass, Add	*175.62*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	731.04	28.90
		For Colored Vinyl, Add	*67.33*	
		For Tinted Glass, Add	*80.79*	
		For Low-E Insulated Glass, Add	*168.31*	
		For Obscure Glass, Add	*185.14*	

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	633.06	24.25
		For Colored Vinyl, Add	*58.46*	
		For Tinted Glass, Add	*70.15*	
		For Low-E Insulated Glass, Add	*146.14*	
		For Obscure Glass, Add	*160.75*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	655.19	25.29
		For Colored Vinyl, Add	*60.46*	
		For Tinted Glass, Add	*72.55*	
		For Low-E Insulated Glass, Add	*151.16*	
		For Obscure Glass, Add	*166.27*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	665.83	25.80
		For Colored Vinyl, Add	*61.42*	
		For Tinted Glass, Add	*73.71*	
		For Low-E Insulated Glass, Add	*153.56*	
		For Obscure Glass, Add	*168.91*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	675.63	26.32
		For Colored Vinyl, Add	*62.30*	
		For Tinted Glass, Add	*74.76*	
		For Low-E Insulated Glass, Add	*155.75*	
		For Obscure Glass, Add	*171.32*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	700.36	27.35
		For Colored Vinyl, Add	*64.57*	
		For Tinted Glass, Add	*77.48*	
		For Low-E Insulated Glass, Add	*161.42*	
		For Obscure Glass, Add	*177.56*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	739.13	29.42
		For Colored Vinyl, Add	*68.03*	
		For Tinted Glass, Add	*81.64*	
		For Low-E Insulated Glass, Add	*170.08*	
		For Obscure Glass, Add	*187.09*	

08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	640.14	24.77
		For Colored Vinyl, Add	*59.06*	
		For Tinted Glass, Add	*70.87*	
		For Low-E Insulated Glass, Add	*147.65*	
		For Obscure Glass, Add	*162.42*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	662.27	25.80
		For Colored Vinyl, Add	*61.07*	
		For Tinted Glass, Add	*73.28*	
		For Low-E Insulated Glass, Add	*152.67*	
		For Obscure Glass, Add	*167.93*	
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	673.32	26.32
		For Colored Vinyl, Add	*62.07*	
		For Tinted Glass, Add	*74.48*	
		For Low-E Insulated Glass, Add	*155.17*	
		For Obscure Glass, Add	*170.69*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	683.11	26.83
		For Colored Vinyl, Add	*62.94*	
		For Tinted Glass, Add	*75.53*	
		For Low-E Insulated Glass, Add	*157.36*	
		For Obscure Glass, Add	*173.10*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	708.40	27.86
		For Colored Vinyl, Add	*65.27*	
		For Tinted Glass, Add	*78.32*	
		For Low-E Insulated Glass, Add	*163.17*	
		For Obscure Glass, Add	*179.48*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	747.75	29.93
		For Colored Vinyl, Add	*68.79*	
		For Tinted Glass, Add	*82.55*	
		For Low-E Insulated Glass, Add	*171.97*	
		For Obscure Glass, Add	*189.17*	

08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	665.23	26.32
		For Colored Vinyl, Add	*61.26*	
		For Tinted Glass, Add	*73.51*	
		For Low-E Insulated Glass, Add	*153.15*	
		For Obscure Glass, Add	*168.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	687.36	27.35
		For Colored Vinyl, Add	*63.27*	
		For Tinted Glass, Add	*75.92*	
		For Low-E Insulated Glass, Add	*158.17*	
		For Obscure Glass, Add	*173.98*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	696.08	27.86
		For Colored Vinyl, Add	*64.04*	
		For Tinted Glass, Add	*76.84*	
		For Low-E Insulated Glass, Add	*160.09*	
		For Obscure Glass, Add	*176.10*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	705.87	28.38
		For Colored Vinyl, Add	*64.91*	
		For Tinted Glass, Add	*77.89*	
		For Low-E Insulated Glass, Add	*162.28*	
		For Obscure Glass, Add	*178.51*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	732.41	29.42
		For Colored Vinyl, Add	*67.36*	
		For Tinted Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*168.40*	
		For Obscure Glass, Add	*185.24*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	774.59	31.47
		For Colored Vinyl, Add	*71.16*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.91*	
		For Obscure Glass, Add	*195.70*	

08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	672.25	26.83
		For Colored Vinyl, Add	*61.86*	
		For Tinted Glass, Add	*74.23*	
		For Low-E Insulated Glass, Add	*154.65*	
		For Obscure Glass, Add	*170.11*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	694.38	27.86
		For Colored Vinyl, Add	*63.87*	
		For Tinted Glass, Add	*76.64*	
		For Low-E Insulated Glass, Add	*159.66*	
		For Obscure Glass, Add	*175.63*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	703.72	28.38
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.74*	
		For Obscure Glass, Add	*177.91*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	713.51	28.90
		For Colored Vinyl, Add	*65.57*	
		For Tinted Glass, Add	*78.69*	
		For Low-E Insulated Glass, Add	*163.93*	
		For Obscure Glass, Add	*180.32*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	740.46	29.93
		For Colored Vinyl, Add	*68.06*	
		For Tinted Glass, Add	*81.67*	
		For Low-E Insulated Glass, Add	*170.15*	
		For Obscure Glass, Add	*187.17*	
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.33	32.00
		For Colored Vinyl, Add	*72.03*	
		For Tinted Glass, Add	*86.44*	
		For Low-E Insulated Glass, Add	*180.09*	
		For Obscure Glass, Add	*198.09*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	679.39	27.35
		For Colored Vinyl, Add	*62.47*	
		For Tinted Glass, Add	*74.96*	
		For Low-E Insulated Glass, Add	*156.17*	
		For Obscure Glass, Add	*171.79*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	701.52	28.38
		For Colored Vinyl, Add	*64.48*	
		For Tinted Glass, Add	*77.37*	
		For Low-E Insulated Glass, Add	*161.19*	
		For Obscure Glass, Add	*177.31*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	711.20	28.90
		For Colored Vinyl, Add	*65.34*	
		For Tinted Glass, Add	*78.41*	
		For Low-E Insulated Glass, Add	*163.35*	
		For Obscure Glass, Add	*179.69*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	720.99	29.42
		For Colored Vinyl, Add	*66.22*	
		For Tinted Glass, Add	*79.46*	
		For Low-E Insulated Glass, Add	*165.54*	
		For Obscure Glass, Add	*182.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	748.50	30.44
		For Colored Vinyl, Add	*68.76*	
		For Tinted Glass, Add	*82.51*	
		For Low-E Insulated Glass, Add	*171.90*	
		For Obscure Glass, Add	*189.09*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.82	32.51
		For Colored Vinyl, Add	*72.88*	
		For Tinted Glass, Add	*87.46*	
		For Low-E Insulated Glass, Add	*182.20*	
		For Obscure Glass, Add	*200.42*	

08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	686.41	27.86
		For Colored Vinyl, Add	*63.07*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.67*	
		For Obscure Glass, Add	*173.44*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	708.54	28.90
		For Colored Vinyl, Add	*65.08*	
		For Tinted Glass, Add	*78.09*	
		For Low-E Insulated Glass, Add	*162.69*	
		For Obscure Glass, Add	*178.96*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	718.78	29.42
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	728.59	29.93
		For Colored Vinyl, Add	*66.87*	
		For Tinted Glass, Add	*80.25*	
		For Low-E Insulated Glass, Add	*167.18*	
		For Obscure Glass, Add	*183.90*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	756.53	30.96
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	803.51	33.03
		For Colored Vinyl, Add	*73.75*	
		For Tinted Glass, Add	*88.50*	
		For Low-E Insulated Glass, Add	*184.37*	
		For Obscure Glass, Add	*202.80*	

08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	693.49	28.38
		For Colored Vinyl, Add	*63.67*	
		For Tinted Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*159.18*	
		For Obscure Glass, Add	*175.10*	
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	715.62	29.42
		For Colored Vinyl, Add	*65.68*	
		For Tinted Glass, Add	*78.82*	
		For Low-E Insulated Glass, Add	*164.20*	
		For Obscure Glass, Add	*180.62*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	726.27	29.93
		For Colored Vinyl, Add	*66.64*	
		For Tinted Glass, Add	*79.97*	
		For Low-E Insulated Glass, Add	*166.60*	
		For Obscure Glass, Add	*183.26*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	736.06	30.44
		For Colored Vinyl, Add	*67.52*	
		For Tinted Glass, Add	*81.02*	
		For Low-E Insulated Glass, Add	*168.79*	
		For Obscure Glass, Add	*185.67*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	765.55	31.47
		For Colored Vinyl, Add	*70.26*	
		For Tinted Glass, Add	*84.31*	
		For Low-E Insulated Glass, Add	*175.65*	
		For Obscure Glass, Add	*193.21*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	812.97	33.54
		For Colored Vinyl, Add	*74.59*	
		For Tinted Glass, Add	*89.51*	
		For Low-E Insulated Glass, Add	*186.47*	
		For Obscure Glass, Add	*205.12*	

08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	700.63	28.90
		For Colored Vinyl, Add	*64.28*	
		For Tinted Glass, Add	*77.14*	
		For Low-E Insulated Glass, Add	*160.71*	
		For Obscure Glass, Add	*176.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	722.76	29.93
		For Colored Vinyl, Add	*66.29*	
		For Tinted Glass, Add	*79.55*	
		For Low-E Insulated Glass, Add	*165.73*	
		For Obscure Glass, Add	*182.30*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	733.91	30.44
		For Colored Vinyl, Add	*67.30*	
		For Tinted Glass, Add	*80.76*	
		For Low-E Insulated Glass, Add	*168.26*	
		For Obscure Glass, Add	*185.08*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	743.70	30.96
		For Colored Vinyl, Add	*68.18*	
		For Tinted Glass, Add	*81.81*	
		For Low-E Insulated Glass, Add	*170.45*	
		For Obscure Glass, Add	*187.49*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	774.55	32.00
		For Colored Vinyl, Add	*71.06*	
		For Tinted Glass, Add	*85.27*	
		For Low-E Insulated Glass, Add	*177.64*	
		For Obscure Glass, Add	*195.40*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	822.47	34.06
		For Colored Vinyl, Add	*75.44*	
		For Tinted Glass, Add	*90.52*	
		For Low-E Insulated Glass, Add	*188.59*	
		For Obscure Glass, Add	*207.45*	

08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	721.98	30.44
		For Colored Vinyl, Add	*66.11*	
		For Tinted Glass, Add	*79.33*	
		For Low-E Insulated Glass, Add	*165.27*	
		For Obscure Glass, Add	*181.80*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	744.12	31.47
		For Colored Vinyl, Add	*68.12*	
		For Tinted Glass, Add	*81.74*	
		For Low-E Insulated Glass, Add	*170.29*	
		For Obscure Glass, Add	*187.32*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	758.60	32.00
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	768.39	32.51
		For Colored Vinyl, Add	*70.34*	
		For Tinted Glass, Add	*84.41*	
		For Low-E Insulated Glass, Add	*175.85*	
		For Obscure Glass, Add	*193.43*	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	801.38	33.54
		For Colored Vinyl, Add	*73.43*	
		For Tinted Glass, Add	*88.12*	
		For Low-E Insulated Glass, Add	*183.58*	
		For Obscure Glass, Add	*201.93*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	851.13	35.61
		For Colored Vinyl, Add	*77.99*	
		For Tinted Glass, Add	*93.59*	
		For Low-E Insulated Glass, Add	*194.98*	
		For Obscure Glass, Add	*214.48*	

08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	729.06	30.96
		For Colored Vinyl, Add	*66.71*	
		For Tinted Glass, Add	*80.06*	
		For Low-E Insulated Glass, Add	*166.79*	
		For Obscure Glass, Add	*183.46*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	751.20	32.00
		For Colored Vinyl, Add	*68.72*	
		For Tinted Glass, Add	*82.47*	
		For Low-E Insulated Glass, Add	*171.80*	
		For Obscure Glass, Add	*188.98*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	767.03	32.51
		For Colored Vinyl, Add	*70.20*	
		For Tinted Glass, Add	*84.24*	
		For Low-E Insulated Glass, Add	*175.51*	
		For Obscure Glass, Add	*193.06*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	776.83	33.03
		For Colored Vinyl, Add	*71.08*	
		For Tinted Glass, Add	*85.29*	
		For Low-E Insulated Glass, Add	*177.70*	
		For Obscure Glass, Add	*195.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	810.26	34.06
		For Colored Vinyl, Add	*74.22*	
		For Tinted Glass, Add	*89.06*	
		For Low-E Insulated Glass, Add	*185.54*	
		For Obscure Glass, Add	*204.09*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	861.77	36.12
		For Colored Vinyl, Add	*78.95*	
		For Tinted Glass, Add	*94.74*	
		For Low-E Insulated Glass, Add	*197.38*	
		For Obscure Glass, Add	*217.12*	

08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	745.26	32.00
		For Colored Vinyl, Add	*68.13*	
		For Tinted Glass, Add	*81.75*	
		For Low-E Insulated Glass, Add	*170.32*	
		For Obscure Glass, Add	*187.35*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	767.39	33.03
		For Colored Vinyl, Add	*70.13*	
		For Tinted Glass, Add	*84.16*	
		For Low-E Insulated Glass, Add	*175.34*	
		For Obscure Glass, Add	*192.87*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	783.97	33.54
		For Colored Vinyl, Add	*71.69*	
		For Tinted Glass, Add	*86.03*	
		For Low-E Insulated Glass, Add	*179.22*	
		For Obscure Glass, Add	*197.14*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.76	34.06
		For Colored Vinyl, Add	*72.57*	
		For Tinted Glass, Add	*87.08*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	828.28	35.08
		For Colored Vinyl, Add	*75.81*	
		For Tinted Glass, Add	*90.97*	
		For Low-E Insulated Glass, Add	*189.53*	
		For Obscure Glass, Add	*208.48*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	882.15	37.15
		For Colored Vinyl, Add	*80.78*	
		For Tinted Glass, Add	*96.94*	
		For Low-E Insulated Glass, Add	*201.96*	
		For Obscure Glass, Add	*222.16*	

08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	769.55	33.54
		For Colored Vinyl, Add	*70.25*	
		For Tinted Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*175.62*	
		For Obscure Glass, Add	*193.18*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	791.69	34.57
		For Colored Vinyl, Add	*72.25*	
		For Tinted Glass, Add	*86.70*	
		For Low-E Insulated Glass, Add	*180.64*	
		For Obscure Glass, Add	*198.70*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	808.26	35.08
		For Colored Vinyl, Add	*73.81*	
		For Tinted Glass, Add	*88.57*	
		For Low-E Insulated Glass, Add	*184.52*	
		For Obscure Glass, Add	*202.97*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	818.06	35.61
		For Colored Vinyl, Add	*74.69*	
		For Tinted Glass, Add	*89.62*	
		For Low-E Insulated Glass, Add	*186.71*	
		For Obscure Glass, Add	*205.38*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	852.57	36.64
		For Colored Vinyl, Add	*77.93*	
		For Tinted Glass, Add	*93.51*	
		For Low-E Insulated Glass, Add	*194.82*	
		For Obscure Glass, Add	*214.30*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	906.44	38.70
		For Colored Vinyl, Add	*82.90*	
		For Tinted Glass, Add	*99.48*	
		For Low-E Insulated Glass, Add	*207.26*	
		For Obscure Glass, Add	*227.99*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	776.32	27.10
		For Colored Vinyl, Add	*72.21*	
		For Tinted Glass, Add	*86.66*	
		For Low-E Insulated Glass, Add	*180.54*	
		For Obscure Glass, Add	*198.59*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	856.96	29.67
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.40*	
		For Obscure Glass, Add	*219.34*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	931.92	32.25
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.86*	
		For Obscure Glass, Add	*238.54*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	983.16	34.83
		For Colored Vinyl, Add	*91.35*	
		For Tinted Glass, Add	*109.62*	
		For Low-E Insulated Glass, Add	*228.37*	
		For Obscure Glass, Add	*251.21*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,038.62	37.42
		For Colored Vinyl, Add	*96.38*	
		For Tinted Glass, Add	*115.66*	
		For Low-E Insulated Glass, Add	*240.95*	
		For Obscure Glass, Add	*265.05*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,131.41	39.99
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	9.44	0.34
		For Colored Vinyl, Add	*0.88*	
		For Tinted Glass, Add	*1.05*	
		For Low-E Insulated Glass, Add	*2.19*	
		For Obscure Glass, Add	*2.41*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	582.84	19.61
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.30*	
		For Low-E Insulated Glass, Add	*136.04*	
		For Obscure Glass, Add	*149.64*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	602.76	20.12
		For Colored Vinyl, Add	*56.25*	
		For Tinted Glass, Add	*67.50*	
		For Low-E Insulated Glass, Add	*140.63*	
		For Obscure Glass, Add	*154.69*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	623.20	21.15
		For Colored Vinyl, Add	*58.09*	
		For Tinted Glass, Add	*69.71*	
		For Low-E Insulated Glass, Add	*145.22*	
		For Obscure Glass, Add	*159.74*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	663.87	22.19
		For Colored Vinyl, Add	*61.95*	
		For Tinted Glass, Add	*74.34*	
		For Low-E Insulated Glass, Add	*154.87*	
		For Obscure Glass, Add	*170.36*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	619.10	20.64
		For Colored Vinyl, Add	*57.83*	
		For Tinted Glass, Add	*69.40*	
		For Low-E Insulated Glass, Add	*144.59*	
		For Obscure Glass, Add	*159.04*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	641.12	21.15
		For Colored Vinyl, Add	*59.88*	
		For Tinted Glass, Add	*71.86*	
		For Low-E Insulated Glass, Add	*149.70*	
		For Obscure Glass, Add	*164.67*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	663.59	22.19
		For Colored Vinyl, Add	*61.92*	
		For Tinted Glass, Add	*74.31*	
		For Low-E Insulated Glass, Add	*154.80*	
		For Obscure Glass, Add	*170.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	706.74	23.22
		For Colored Vinyl, Add	*66.03*	
		For Tinted Glass, Add	*79.24*	
		For Low-E Insulated Glass, Add	*165.08*	
		For Obscure Glass, Add	*181.58*	
08 53 13 00-0216		36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	659.46	22.19
		For Colored Vinyl, Add	*61.51*	
		For Tinted Glass, Add	*73.81*	
		For Low-E Insulated Glass, Add	*153.77*	
		For Obscure Glass, Add	*169.15*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	682.49	23.22
		For Colored Vinyl, Add	*63.66*	
		For Tinted Glass, Add	*76.39*	
		For Low-E Insulated Glass, Add	*159.14*	
		For Obscure Glass, Add	*175.05*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	706.09	24.00
		For Colored Vinyl, Add	*65.81*	
		For Tinted Glass, Add	*78.97*	
		For Low-E Insulated Glass, Add	*164.53*	
		For Obscure Glass, Add	*180.98*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	751.22	25.03
		For Colored Vinyl, Add	*70.12*	
		For Tinted Glass, Add	*84.14*	
		For Low-E Insulated Glass, Add	*175.29*	
		For Obscure Glass, Add	*192.82*	
08 53 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	697.48	23.74
		For Colored Vinyl, Add	*65.05*	
		For Tinted Glass, Add	*78.06*	
		For Low-E Insulated Glass, Add	*162.63*	
		For Obscure Glass, Add	*178.89*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	721.97	24.25
		For Colored Vinyl, Add	*67.35*	
		For Tinted Glass, Add	*80.82*	
		For Low-E Insulated Glass, Add	*168.37*	
		For Obscure Glass, Add	*185.20*	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	746.99	25.29
		For Colored Vinyl, Add	*69.64*	
		For Tinted Glass, Add	*83.57*	
		For Low-E Insulated Glass, Add	*174.11*	
		For Obscure Glass, Add	*191.52*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	796.21	26.32
		For Colored Vinyl, Add	*74.36*	
		For Tinted Glass, Add	*89.23*	
		For Low-E Insulated Glass, Add	*185.89*	
		For Obscure Glass, Add	*204.48*	
08 53 13 00-0226		48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	737.39	25.80
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	763.14	26.32
		For Colored Vinyl, Add	*71.05*	
		For Tinted Glass, Add	*85.26*	
		For Low-E Insulated Glass, Add	*177.63*	
		For Obscure Glass, Add	*195.39*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	789.45	27.35
		For Colored Vinyl, Add	*73.48*	
		For Tinted Glass, Add	*88.17*	
		For Low-E Insulated Glass, Add	*183.69*	
		For Obscure Glass, Add	*202.06*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	844.02	28.38
		For Colored Vinyl, Add	*78.73*	
		For Tinted Glass, Add	*94.47*	
		For Low-E Insulated Glass, Add	*196.82*	
		For Obscure Glass, Add	*216.50*	
08 53 13 00-0231		52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	775.07	26.83
		For Colored Vinyl, Add	*72.19*	
		For Tinted Glass, Add	*86.63*	
		For Low-E Insulated Glass, Add	*180.48*	
		For Obscure Glass, Add	*198.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	802.51	27.35
		For Colored Vinyl, Add	*74.78*	
		For Tinted Glass, Add	*89.74*	
		For Low-E Insulated Glass, Add	*186.95*	
		For Obscure Glass, Add	*205.65*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	830.40	28.38
		For Colored Vinyl, Add	*77.36*	
		For Tinted Glass, Add	*92.84*	
		For Low-E Insulated Glass, Add	*193.41*	
		For Obscure Glass, Add	*212.75*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	885.99	29.42
		For Colored Vinyl, Add	*82.72*	
		For Tinted Glass, Add	*99.26*	
		For Low-E Insulated Glass, Add	*206.79*	
		For Obscure Glass, Add	*227.47*	
08 53 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	814.29	28.38
		For Colored Vinyl, Add	*75.75*	
		For Tinted Glass, Add	*90.90*	
		For Low-E Insulated Glass, Add	*189.38*	
		For Obscure Glass, Add	*208.32*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	843.37	29.42
		For Colored Vinyl, Add	*78.51*	
		For Tinted Glass, Add	*94.21*	
		For Low-E Insulated Glass, Add	*196.27*	
		For Obscure Glass, Add	*215.89*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	872.96	30.18
		For Colored Vinyl, Add	*81.26*	
		For Tinted Glass, Add	*97.51*	
		For Low-E Insulated Glass, Add	*203.15*	
		For Obscure Glass, Add	*223.46*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	929.52	31.22
		For Colored Vinyl, Add	*86.71*	
		For Tinted Glass, Add	*104.05*	
		For Low-E Insulated Glass, Add	*216.77*	
		For Obscure Glass, Add	*238.45*	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	851.65	29.93
		For Colored Vinyl, Add	*79.23*	
		For Tinted Glass, Add	*95.08*	
		For Low-E Insulated Glass, Add	*198.08*	
		For Obscure Glass, Add	*217.88*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	881.56	30.44
		For Colored Vinyl, Add	*82.07*	
		For Tinted Glass, Add	*98.48*	
		For Low-E Insulated Glass, Add	*205.17*	
		For Obscure Glass, Add	*225.68*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	913.42	31.47
		For Colored Vinyl, Add	*85.05*	
		For Tinted Glass, Add	*102.06*	
		For Low-E Insulated Glass, Add	*212.62*	
		For Obscure Glass, Add	*233.88*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	968.55	32.51
		For Colored Vinyl, Add	*90.35*	
		For Tinted Glass, Add	*108.42*	
		For Low-E Insulated Glass, Add	*225.89*	
		For Obscure Glass, Add	*248.47*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	896.35	31.47
		For Colored Vinyl, Add	*83.34*	
		For Tinted Glass, Add	*100.01*	
		For Low-E Insulated Glass, Add	*208.35*	
		For Obscure Glass, Add	*229.18*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	928.02	32.51
		For Colored Vinyl, Add	*86.35*	
		For Tinted Glass, Add	*103.62*	
		For Low-E Insulated Glass, Add	*215.88*	
		For Obscure Glass, Add	*237.47*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	958.30	33.28
		For Colored Vinyl, Add	*89.17*	
		For Tinted Glass, Add	*107.01*	
		For Low-E Insulated Glass, Add	*222.93*	
		For Obscure Glass, Add	*245.23*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,012.70	34.32
		For Colored Vinyl, Add	*94.41*	
		For Tinted Glass, Add	*113.29*	
		For Low-E Insulated Glass, Add	*236.02*	
		For Obscure Glass, Add	*259.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,234.02	26.32
		For Colored Vinyl, Add	*118.14*	
		For Tinted Glass, Add	*141.77*	
		For Low-E Insulated Glass, Add	*295.35*	
		For Obscure Glass, Add	*324.88*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,274.71	28.38
		For Colored Vinyl, Add	*121.85*	
		For Tinted Glass, Add	*146.22*	
		For Low-E Insulated Glass, Add	*304.62*	
		For Obscure Glass, Add	*335.08*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,315.97	30.44
		For Colored Vinyl, Add	*125.56*	
		For Tinted Glass, Add	*150.67*	
		For Low-E Insulated Glass, Add	*313.90*	
		For Obscure Glass, Add	*345.29*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,364.13	32.25
		For Colored Vinyl, Add	*129.96*	
		For Tinted Glass, Add	*155.96*	
		For Low-E Insulated Glass, Add	*324.91*	
		For Obscure Glass, Add	*357.40*	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,308.04	27.61
		For Colored Vinyl, Add	*125.28*	
		For Tinted Glass, Add	*150.34*	
		For Low-E Insulated Glass, Add	*313.21*	
		For Obscure Glass, Add	*344.53*	
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,351.78	29.42
		For Colored Vinyl, Add	*129.30*	
		For Tinted Glass, Add	*155.16*	
		For Low-E Insulated Glass, Add	*323.24*	
		For Obscure Glass, Add	*355.56*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,396.11	31.47
		For Colored Vinyl, Add	*133.32*	
		For Tinted Glass, Add	*159.98*	
		For Low-E Insulated Glass, Add	*333.29*	
		For Obscure Glass, Add	*366.62*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,442.40	33.54
		For Colored Vinyl, Add	*137.53*	
		For Tinted Glass, Add	*165.04*	
		For Low-E Insulated Glass, Add	*343.83*	
		For Obscure Glass, Add	*378.21*	
08 53 13 00-0262		48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,385.04	29.67
		For Colored Vinyl, Add	*132.57*	
		For Tinted Glass, Add	*159.08*	
		For Low-E Insulated Glass, Add	*331.42*	
		For Obscure Glass, Add	*364.56*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,430.99	31.47
		For Colored Vinyl, Add	*136.80*	
		For Tinted Glass, Add	*164.16*	
		For Low-E Insulated Glass, Add	*342.01*	
		For Obscure Glass, Add	*376.21*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,477.51	33.54
		For Colored Vinyl, Add	*141.04*	
		For Tinted Glass, Add	*169.25*	
		For Low-E Insulated Glass, Add	*352.61*	
		For Obscure Glass, Add	*387.87*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,528.95	35.61
		For Colored Vinyl, Add	*145.77*	
		For Tinted Glass, Add	*174.93*	
		For Low-E Insulated Glass, Add	*364.44*	
		For Obscure Glass, Add	*400.88*	
08 53 13 00-0267		52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,459.79	30.71
		For Colored Vinyl, Add	*139.84*	
		For Tinted Glass, Add	*167.81*	
		For Low-E Insulated Glass, Add	*349.60*	
		For Obscure Glass, Add	*384.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,508.68	32.51
		For Colored Vinyl, Add	*144.37*	
		For Tinted Glass, Add	*173.24*	
		For Low-E Insulated Glass, Add	*360.92*	
		For Obscure Glass, Add	*397.01*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,558.09	34.57
		For Colored Vinyl, Add	*148.89*	
		For Tinted Glass, Add	*178.67*	
		For Low-E Insulated Glass, Add	*372.24*	
		For Obscure Glass, Add	*409.46*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,610.56	36.64
		For Colored Vinyl, Add	*153.73*	
		For Tinted Glass, Add	*184.47*	
		For Low-E Insulated Glass, Add	*384.32*	
		For Obscure Glass, Add	*422.75*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,536.09	32.51
		For Colored Vinyl, Add	*147.11*	
		For Tinted Glass, Add	*176.53*	
		For Low-E Insulated Glass, Add	*367.77*	
		For Obscure Glass, Add	*404.55*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,587.93	34.57
		For Colored Vinyl, Add	*151.93*	
		For Tinted Glass, Add	*182.32*	
		For Low-E Insulated Glass, Add	*379.83*	
		For Obscure Glass, Add	*417.81*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,640.22	36.64
		For Colored Vinyl, Add	*156.75*	
		For Tinted Glass, Add	*188.10*	
		For Low-E Insulated Glass, Add	*391.87*	
		For Obscure Glass, Add	*431.05*	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,693.64	38.44
		For Colored Vinyl, Add	*161.68*	
		For Tinted Glass, Add	*194.01*	
		For Low-E Insulated Glass, Add	*404.19*	
		For Obscure Glass, Add	*444.61*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,613.75	33.80
		For Colored Vinyl, Add	*154.62*	
		For Tinted Glass, Add	*185.54*	
		For Low-E Insulated Glass, Add	*386.54*	
		For Obscure Glass, Add	*425.19*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,665.58	35.61
		For Colored Vinyl, Add	*159.44*	
		For Tinted Glass, Add	*191.32*	
		For Low-E Insulated Glass, Add	*398.59*	
		For Obscure Glass, Add	*438.45*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,717.64	37.67
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.08*	
		For Low-E Insulated Glass, Add	*410.58*	
		For Obscure Glass, Add	*451.64*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,771.29	39.74
		For Colored Vinyl, Add	*169.18*	
		For Tinted Glass, Add	*203.02*	
		For Low-E Insulated Glass, Add	*422.96*	
		For Obscure Glass, Add	*465.25*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,697.29	35.61
		For Colored Vinyl, Add	*162.61*	
		For Tinted Glass, Add	*195.13*	
		For Low-E Insulated Glass, Add	*406.52*	
		For Obscure Glass, Add	*447.17*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,749.12	37.67
		For Colored Vinyl, Add	*167.43*	
		For Tinted Glass, Add	*200.92*	
		For Low-E Insulated Glass, Add	*418.58*	
		For Obscure Glass, Add	*460.43*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,801.47	39.74
		For Colored Vinyl, Add	*172.25*	
		For Tinted Glass, Add	*206.70*	
		For Low-E Insulated Glass, Add	*430.63*	
		For Obscure Glass, Add	*473.69*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,854.89	41.54
		For Colored Vinyl, Add	*177.18*	
		For Tinted Glass, Add	*212.62*	
		For Low-E Insulated Glass, Add	*442.95*	
		For Obscure Glass, Add	*487.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0287		Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,517.76	33.54
		For Colored Vinyl, Add	*145.07*	
		For Tinted Glass, Add	*174.08*	
		For Low-E Insulated Glass, Add	*362.67*	
		For Obscure Glass, Add	*398.94*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,584.02	36.12
		For Colored Vinyl, Add	*151.18*	
		For Tinted Glass, Add	*181.41*	
		For Low-E Insulated Glass, Add	*377.95*	
		For Obscure Glass, Add	*415.74*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,706.75	39.99
		For Colored Vinyl, Add	*162.68*	
		For Tinted Glass, Add	*195.21*	
		For Low-E Insulated Glass, Add	*406.69*	
		For Obscure Glass, Add	*447.36*	
08 53 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,622.27	35.08
		For Colored Vinyl, Add	*155.26*	
		For Tinted Glass, Add	*186.31*	
		For Low-E Insulated Glass, Add	*388.15*	
		For Obscure Glass, Add	*426.97*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,689.14	37.42
		For Colored Vinyl, Add	*161.43*	
		For Tinted Glass, Add	*193.72*	
		For Low-E Insulated Glass, Add	*403.58*	
		For Obscure Glass, Add	*443.94*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,820.12	41.28
		For Colored Vinyl, Add	*173.76*	
		For Tinted Glass, Add	*208.51*	
		For Low-E Insulated Glass, Add	*434.39*	
		For Obscure Glass, Add	*477.83*	
08 53 13 00-0296		48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,714.24	37.15
		For Colored Vinyl, Add	*163.99*	
		For Tinted Glass, Add	*196.79*	
		For Low-E Insulated Glass, Add	*409.98*	
		For Obscure Glass, Add	*450.98*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,797.29	39.47
		For Colored Vinyl, Add	*171.83*	
		For Tinted Glass, Add	*206.20*	
		For Low-E Insulated Glass, Add	*429.59*	
		For Obscure Glass, Add	*472.54*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,935.32	43.35
		For Colored Vinyl, Add	*184.86*	
		For Tinted Glass, Add	*221.84*	
		For Low-E Insulated Glass, Add	*462.16*	
		For Obscure Glass, Add	*508.37*	
08 53 13 00-0300		52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		
08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,814.72	38.18
		For Colored Vinyl, Add	*173.84*	
		For Tinted Glass, Add	*208.60*	
		For Low-E Insulated Glass, Add	*434.59*	
		For Obscure Glass, Add	*478.05*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,902.58	40.76
		For Colored Vinyl, Add	*182.11*	
		For Tinted Glass, Add	*218.53*	
		For Low-E Insulated Glass, Add	*455.26*	
		For Obscure Glass, Add	*500.79*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,064.80	44.38
		For Colored Vinyl, Add	*197.61*	
		For Tinted Glass, Add	*237.13*	
		For Low-E Insulated Glass, Add	*494.01*	
		For Obscure Glass, Add	*543.41*	
08 53 13 00-0304		60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,916.69	39.99
		For Colored Vinyl, Add	*183.67*	
		For Tinted Glass, Add	*220.40*	
		For Low-E Insulated Glass, Add	*459.18*	
		For Obscure Glass, Add	*505.09*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,008.84	42.57
		For Colored Vinyl, Add	*192.37*	
		For Tinted Glass, Add	*230.84*	
		For Low-E Insulated Glass, Add	*480.93*	
		For Obscure Glass, Add	*529.02*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,195.82	46.18
		For Colored Vinyl, Add	*210.35*	
		For Tinted Glass, Add	*252.42*	
		For Low-E Insulated Glass, Add	*525.87*	
		For Obscure Glass, Add	*578.45*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,030.41	41.28
		For Colored Vinyl, Add	*194.78*	
		For Tinted Glass, Add	*233.74*	
		For Low-E Insulated Glass, Add	*486.96*	
		For Obscure Glass, Add	*535.66*	
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,122.50	43.86
		For Colored Vinyl, Add	*203.48*	
		For Tinted Glass, Add	*244.17*	
		For Low-E Insulated Glass, Add	*508.70*	
		For Obscure Glass, Add	*559.56*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,309.49	47.47
		For Colored Vinyl, Add	*221.45*	
		For Tinted Glass, Add	*265.74*	
		For Low-E Insulated Glass, Add	*553.64*	
		For Obscure Glass, Add	*609.00*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,145.38	43.08
		For Colored Vinyl, Add	*205.92*	
		For Tinted Glass, Add	*247.10*	
		For Low-E Insulated Glass, Add	*514.80*	
		For Obscure Glass, Add	*566.28*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,237.47	45.67
		For Colored Vinyl, Add	*214.61*	
		For Tinted Glass, Add	*257.54*	
		For Low-E Insulated Glass, Add	*536.54*	
		For Obscure Glass, Add	*590.19*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,424.46	49.28
		For Colored Vinyl, Add	*232.59*	
		For Tinted Glass, Add	*279.11*	
		For Low-E Insulated Glass, Add	*581.48*	
		For Obscure Glass, Add	*639.62*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	762.89	21.93
		For Colored Vinyl, Add	*71.90*	
		For Tinted Glass, Add	*86.28*	
		For Low-E Insulated Glass, Add	*179.76*	
		For Obscure Glass, Add	*197.73*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	868.12	24.51
		For Colored Vinyl, Add	*81.91*	
		For Tinted Glass, Add	*98.29*	
		For Low-E Insulated Glass, Add	*204.77*	
		For Obscure Glass, Add	*225.25*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	962.02	27.10
		For Colored Vinyl, Add	*90.78*	
		For Tinted Glass, Add	*108.94*	
		For Low-E Insulated Glass, Add	*226.96*	
		For Obscure Glass, Add	*249.66*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,044.63	29.67
		For Colored Vinyl, Add	*98.53*	
		For Tinted Glass, Add	*118.23*	
		For Low-E Insulated Glass, Add	*246.32*	
		For Obscure Glass, Add	*270.95*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,115.92	32.25
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,154.44	34.83
		For Colored Vinyl, Add	*108.48*	
		For Tinted Glass, Add	*130.17*	
		For Low-E Insulated Glass, Add	*271.19*	
		For Obscure Glass, Add	*298.31*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	11.42	0.34
		For Colored Vinyl, Add	*1.07*	
		For Tinted Glass, Add	*1.29*	
		For Low-E Insulated Glass, Add	*2.69*	
		For Obscure Glass, Add	*2.95*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,312.77	27.10
		For Colored Vinyl, Add	*125.86*	
		For Tinted Glass, Add	*151.03*	
		For Low-E Insulated Glass, Add	*314.65*	
		For Obscure Glass, Add	*346.11*	
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,443.44	29.67
		For Colored Vinyl, Add	*138.41*	
		For Tinted Glass, Add	*166.09*	
		For Low-E Insulated Glass, Add	*346.02*	
		For Obscure Glass, Add	*380.62*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,562.77	32.25
		For Colored Vinyl, Add	*149.83*	
		For Tinted Glass, Add	*179.79*	
		For Low-E Insulated Glass, Add	*374.57*	
		For Obscure Glass, Add	*412.02*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,639.73	34.83
		For Colored Vinyl, Add	*157.01*	
		For Tinted Glass, Add	*188.41*	
		For Low-E Insulated Glass, Add	*392.52*	
		For Obscure Glass, Add	*431.77*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,722.61	37.42
		For Colored Vinyl, Add	*164.78*	
		For Tinted Glass, Add	*197.73*	
		For Low-E Insulated Glass, Add	*411.95*	
		For Obscure Glass, Add	*453.14*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,809.74	39.99
		For Colored Vinyl, Add	*172.98*	
		For Tinted Glass, Add	*207.57*	
		For Low-E Insulated Glass, Add	*432.44*	
		For Obscure Glass, Add	*475.68*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.09	0.34
		For Colored Vinyl, Add	*1.44*	
		For Tinted Glass, Add	*1.73*	
		For Low-E Insulated Glass, Add	*3.60*	
		For Obscure Glass, Add	*3.96*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,374.67	27.10
		For Colored Vinyl, Add	*132.05*	
		For Tinted Glass, Add	*158.46*	
		For Low-E Insulated Glass, Add	*330.12*	
		For Obscure Glass, Add	*363.13*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,512.12	29.67
		For Colored Vinyl, Add	*145.28*	
		For Tinted Glass, Add	*174.33*	
		For Low-E Insulated Glass, Add	*363.19*	
		For Obscure Glass, Add	*399.51*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,641.63	32.25
		For Colored Vinyl, Add	*157.71*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.28*	
		For Obscure Glass, Add	*433.71*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,725.37	34.83
		For Colored Vinyl, Add	*165.57*	
		For Tinted Glass, Add	*198.68*	
		For Low-E Insulated Glass, Add	*413.93*	
		For Obscure Glass, Add	*455.32*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,815.88	37.42
		For Colored Vinyl, Add	*174.11*	
		For Tinted Glass, Add	*208.93*	
		For Low-E Insulated Glass, Add	*435.27*	
		For Obscure Glass, Add	*478.79*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,911.49	39.99
		For Colored Vinyl, Add	*183.15*	
		For Tinted Glass, Add	*219.78*	
		For Low-E Insulated Glass, Add	*457.88*	
		For Obscure Glass, Add	*503.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.94	0.34
		For Colored Vinyl, Add	*1.53*	
		For Tinted Glass, Add	*1.83*	
		For Low-E Insulated Glass, Add	*3.82*	
		For Obscure Glass, Add	*4.20*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	772.49	21.15
		For Colored Vinyl, Add	*73.02*	
		For Tinted Glass, Add	*87.62*	
		For Low-E Insulated Glass, Add	*182.54*	
		For Obscure Glass, Add	*200.80*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	808.47	22.19
		For Colored Vinyl, Add	*76.41*	
		For Tinted Glass, Add	*91.69*	
		For Low-E Insulated Glass, Add	*191.02*	
		For Obscure Glass, Add	*210.12*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	862.95	24.00
		For Colored Vinyl, Add	*81.50*	
		For Tinted Glass, Add	*97.80*	
		For Low-E Insulated Glass, Add	*203.74*	
		For Obscure Glass, Add	*224.11*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	897.53	25.29
		For Colored Vinyl, Add	*84.70*	
		For Tinted Glass, Add	*101.64*	
		For Low-E Insulated Glass, Add	*211.74*	
		For Obscure Glass, Add	*232.91*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	954.45	27.35
		For Colored Vinyl, Add	*89.98*	
		For Tinted Glass, Add	*107.97*	
		For Low-E Insulated Glass, Add	*224.94*	
		For Obscure Glass, Add	*247.43*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	816.43	22.19
		For Colored Vinyl, Add	*77.26*	
		For Tinted Glass, Add	*92.71*	
		For Low-E Insulated Glass, Add	*193.14*	
		For Obscure Glass, Add	*212.46*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	852.41	23.22
		For Colored Vinyl, Add	*80.65*	
		For Tinted Glass, Add	*96.78*	
		For Low-E Insulated Glass, Add	*201.62*	
		For Obscure Glass, Add	*221.78*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	911.59	24.77
		For Colored Vinyl, Add	*86.21*	
		For Tinted Glass, Add	*103.45*	
		For Low-E Insulated Glass, Add	*215.51*	
		For Obscure Glass, Add	*237.06*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	946.21	26.32
		For Colored Vinyl, Add	*89.41*	
		For Tinted Glass, Add	*107.29*	
		For Low-E Insulated Glass, Add	*223.53*	
		For Obscure Glass, Add	*245.88*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,007.78	28.12
		For Colored Vinyl, Add	*95.15*	
		For Tinted Glass, Add	*114.18*	
		For Low-E Insulated Glass, Add	*237.88*	
		For Obscure Glass, Add	*261.67*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	842.01	23.22
		For Colored Vinyl, Add	*79.61*	
		For Tinted Glass, Add	*95.53*	
		For Low-E Insulated Glass, Add	*199.02*	
		For Obscure Glass, Add	*218.92*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	877.99	24.25
		For Colored Vinyl, Add	*83.00*	
		For Tinted Glass, Add	*99.60*	
		For Low-E Insulated Glass, Add	*207.50*	
		For Obscure Glass, Add	*228.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	939.54	25.80
		For Colored Vinyl, Add	*88.79*	
		For Tinted Glass, Add	*106.55*	
		For Low-E Insulated Glass, Add	*221.99*	
		For Obscure Glass, Add	*244.18*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	977.96	27.35
		For Colored Vinyl, Add	*92.38*	
		For Tinted Glass, Add	*110.85*	
		For Low-E Insulated Glass, Add	*230.95*	
		For Obscure Glass, Add	*254.04*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,040.48	29.15
		For Colored Vinyl, Add	*98.22*	
		For Tinted Glass, Add	*117.86*	
		For Low-E Insulated Glass, Add	*245.54*	
		For Obscure Glass, Add	*270.10*	

08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	867.64	24.25
		For Colored Vinyl, Add	*81.97*	
		For Tinted Glass, Add	*98.36*	
		For Low-E Insulated Glass, Add	*204.91*	
		For Obscure Glass, Add	*225.40*	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	903.62	25.29
		For Colored Vinyl, Add	*85.36*	
		For Tinted Glass, Add	*102.43*	
		For Low-E Insulated Glass, Add	*213.39*	
		For Obscure Glass, Add	*234.73*	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	967.56	26.83
		For Colored Vinyl, Add	*91.39*	
		For Tinted Glass, Add	*109.67*	
		For Low-E Insulated Glass, Add	*228.47*	
		For Obscure Glass, Add	*251.32*	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,009.48	28.38
		For Colored Vinyl, Add	*95.32*	
		For Tinted Glass, Add	*114.39*	
		For Low-E Insulated Glass, Add	*238.31*	
		For Obscure Glass, Add	*262.14*	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,073.18	30.18
		For Colored Vinyl, Add	*101.28*	
		For Tinted Glass, Add	*121.54*	
		For Low-E Insulated Glass, Add	*253.20*	
		For Obscure Glass, Add	*278.52*	

08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,022.95	28.64
		For Colored Vinyl, Add	*96.57*	
		For Tinted Glass, Add	*115.88*	
		For Low-E Insulated Glass, Add	*241.42*	
		For Obscure Glass, Add	*265.56*	
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,064.93	29.93
		For Colored Vinyl, Add	*100.51*	
		For Tinted Glass, Add	*120.61*	
		For Low-E Insulated Glass, Add	*251.27*	
		For Obscure Glass, Add	*276.39*	
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,133.33	32.00
		For Colored Vinyl, Add	*106.93*	
		For Tinted Glass, Add	*128.32*	
		For Low-E Insulated Glass, Add	*267.34*	
		For Obscure Glass, Add	*294.07*	

08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	807.83	21.93
		For Colored Vinyl, Add	*76.40*	
		For Tinted Glass, Add	*91.68*	
		For Low-E Insulated Glass, Add	*190.99*	
		For Obscure Glass, Add	*210.09*	
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	939.34	24.51
		For Colored Vinyl, Add	*89.03*	
		For Tinted Glass, Add	*106.84*	
		For Low-E Insulated Glass, Add	*222.58*	
		For Obscure Glass, Add	*244.84*	
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,065.18	27.10
		For Colored Vinyl, Add	*101.10*	
		For Tinted Glass, Add	*121.32*	
		For Low-E Insulated Glass, Add	*252.75*	
		For Obscure Glass, Add	*278.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,185.39	29.67
		For Colored Vinyl, Add	*112.60*	
		For Tinted Glass, Add	*135.12*	
		For Low-E Insulated Glass, Add	*281.51*	
		For Obscure Glass, Add	*309.66*	
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,299.92	32.25
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.25*	
		For Low-E Insulated Glass, Add	*308.86*	
		For Obscure Glass, Add	*339.74*	
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,354.27	34.83
		For Colored Vinyl, Add	*128.46*	
		For Tinted Glass, Add	*154.15*	
		For Low-E Insulated Glass, Add	*321.15*	
		For Obscure Glass, Add	*353.27*	
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	13.40	0.34
		For Colored Vinyl, Add	*1.27*	
		For Tinted Glass, Add	*1.53*	
		For Low-E Insulated Glass, Add	*3.18*	
		For Obscure Glass, Add	*3.50*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	391.31	25.29
		For Colored Vinyl, Add	*34.13*	
		For Tinted Glass, Add	*40.95*	
		For Low-E Insulated Glass, Add	*85.32*	
		For Obscure Glass, Add	*93.85*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	430.97	28.38
		For Colored Vinyl, Add	*37.47*	
		For Tinted Glass, Add	*44.97*	
		For Low-E Insulated Glass, Add	*93.68*	
		For Obscure Glass, Add	*103.05*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	450.81	29.67
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.87*	
		For Obscure Glass, Add	*107.65*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	470.63	31.22
		For Colored Vinyl, Add	*40.82*	
		For Tinted Glass, Add	*48.98*	
		For Low-E Insulated Glass, Add	*102.05*	
		For Obscure Glass, Add	*112.25*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	483.82	32.51
		For Colored Vinyl, Add	*41.93*	
		For Tinted Glass, Add	*50.32*	
		For Low-E Insulated Glass, Add	*104.83*	
		For Obscure Glass, Add	*115.31*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	510.28	34.32
		For Colored Vinyl, Add	*44.17*	
		For Tinted Glass, Add	*53.00*	
		For Low-E Insulated Glass, Add	*110.41*	
		For Obscure Glass, Add	*121.45*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	412.19	26.32
		For Colored Vinyl, Add	*36.01*	
		For Tinted Glass, Add	*43.21*	
		For Low-E Insulated Glass, Add	*90.02*	
		For Obscure Glass, Add	*99.02*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	453.38	29.42
		For Colored Vinyl, Add	*39.51*	
		For Tinted Glass, Add	*47.41*	
		For Low-E Insulated Glass, Add	*98.77*	
		For Obscure Glass, Add	*108.64*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	474.17	30.71
		For Colored Vinyl, Add	*41.28*	
		For Tinted Glass, Add	*49.53*	
		For Low-E Insulated Glass, Add	*103.19*	
		For Obscure Glass, Add	*113.51*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	494.62	32.25
		For Colored Vinyl, Add	*43.01*	
		For Tinted Glass, Add	*51.61*	
		For Low-E Insulated Glass, Add	*107.53*	
		For Obscure Glass, Add	*118.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	508.34	33.54
		For Colored Vinyl, Add	*44.18*	
		For Tinted Glass, Add	*53.01*	
		For Low-E Insulated Glass, Add	*110.44*	
		For Obscure Glass, Add	*121.49*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	535.80	35.35
		For Colored Vinyl, Add	*46.51*	
		For Tinted Glass, Add	*55.81*	
		For Low-E Insulated Glass, Add	*116.28*	
		For Obscure Glass, Add	*127.91*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	475.37	29.42
		For Colored Vinyl, Add	*41.71*	
		For Tinted Glass, Add	*50.05*	
		For Low-E Insulated Glass, Add	*104.27*	
		For Obscure Glass, Add	*114.69*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	521.47	32.51
		For Colored Vinyl, Add	*45.70*	
		For Tinted Glass, Add	*54.84*	
		For Low-E Insulated Glass, Add	*114.24*	
		For Obscure Glass, Add	*125.67*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	544.58	33.80
		For Colored Vinyl, Add	*47.70*	
		For Tinted Glass, Add	*57.24*	
		For Low-E Insulated Glass, Add	*119.25*	
		For Obscure Glass, Add	*131.17*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	567.63	35.35
		For Colored Vinyl, Add	*49.69*	
		For Tinted Glass, Add	*59.63*	
		For Low-E Insulated Glass, Add	*124.24*	
		For Obscure Glass, Add	*136.66*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	583.04	36.12
		For Colored Vinyl, Add	*51.03*	
		For Tinted Glass, Add	*61.23*	
		For Low-E Insulated Glass, Add	*127.57*	
		For Obscure Glass, Add	*140.33*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	613.79	38.44
		For Colored Vinyl, Add	*53.69*	
		For Tinted Glass, Add	*64.43*	
		For Low-E Insulated Glass, Add	*134.23*	
		For Obscure Glass, Add	*147.65*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	506.95	30.96
		For Colored Vinyl, Add	*44.56*	
		For Tinted Glass, Add	*53.47*	
		For Low-E Insulated Glass, Add	*111.39*	
		For Obscure Glass, Add	*122.53*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	555.55	34.06
		For Colored Vinyl, Add	*48.80*	
		For Tinted Glass, Add	*58.55*	
		For Low-E Insulated Glass, Add	*121.99*	
		For Obscure Glass, Add	*134.19*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	579.89	35.35
		For Colored Vinyl, Add	*50.92*	
		For Tinted Glass, Add	*61.10*	
		For Low-E Insulated Glass, Add	*127.30*	
		For Obscure Glass, Add	*140.03*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	604.19	36.89
		For Colored Vinyl, Add	*53.04*	
		For Tinted Glass, Add	*63.65*	
		For Low-E Insulated Glass, Add	*132.60*	
		For Obscure Glass, Add	*145.86*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	620.34	38.18
		For Colored Vinyl, Add	*54.45*	
		For Tinted Glass, Add	*65.34*	
		For Low-E Insulated Glass, Add	*136.12*	
		For Obscure Glass, Add	*149.73*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	652.79	39.99
		For Colored Vinyl, Add	*57.28*	
		For Tinted Glass, Add	*68.74*	
		For Low-E Insulated Glass, Add	*143.20*	
		For Obscure Glass, Add	*157.52*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	517.49	31.47
		For Colored Vinyl, Add	*45.51*	
		For Tinted Glass, Add	*54.61*	
		For Low-E Insulated Glass, Add	*113.76*	
		For Obscure Glass, Add	*125.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	566.92	34.57
		For Colored Vinyl, Add	*49.83*	
		For Tinted Glass, Add	*59.79*	
		For Low-E Insulated Glass, Add	*124.57*	
		For Obscure Glass, Add	*137.03*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	591.61	35.86
		For Colored Vinyl, Add	*51.99*	
		For Tinted Glass, Add	*62.39*	
		For Low-E Insulated Glass, Add	*129.97*	
		For Obscure Glass, Add	*142.97*	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	616.36	37.42
		For Colored Vinyl, Add	*54.15*	
		For Tinted Glass, Add	*64.98*	
		For Low-E Insulated Glass, Add	*135.39*	
		For Obscure Glass, Add	*148.92*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	632.84	38.70
		For Colored Vinyl, Add	*55.60*	
		For Tinted Glass, Add	*66.71*	
		For Low-E Insulated Glass, Add	*138.99*	
		For Obscure Glass, Add	*152.89*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	665.73	40.51
		For Colored Vinyl, Add	*58.47*	
		For Tinted Glass, Add	*70.17*	
		For Low-E Insulated Glass, Add	*146.18*	
		For Obscure Glass, Add	*160.80*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	528.02	32.00
		For Colored Vinyl, Add	*46.46*	
		For Tinted Glass, Add	*55.75*	
		For Low-E Insulated Glass, Add	*116.14*	
		For Obscure Glass, Add	*127.75*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	578.25	35.08
		For Colored Vinyl, Add	*50.86*	
		For Tinted Glass, Add	*61.03*	
		For Low-E Insulated Glass, Add	*127.15*	
		For Obscure Glass, Add	*139.86*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	603.39	36.38
		For Colored Vinyl, Add	*53.06*	
		For Tinted Glass, Add	*63.68*	
		For Low-E Insulated Glass, Add	*132.66*	
		For Obscure Glass, Add	*145.92*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	628.48	37.93
		For Colored Vinyl, Add	*55.26*	
		For Tinted Glass, Add	*66.31*	
		For Low-E Insulated Glass, Add	*138.16*	
		For Obscure Glass, Add	*151.97*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	645.23	39.22
		For Colored Vinyl, Add	*56.73*	
		For Tinted Glass, Add	*68.08*	
		For Low-E Insulated Glass, Add	*141.83*	
		For Obscure Glass, Add	*156.01*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	678.75	41.03
		For Colored Vinyl, Add	*59.67*	
		For Tinted Glass, Add	*71.61*	
		For Low-E Insulated Glass, Add	*149.18*	
		For Obscure Glass, Add	*164.10*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	538.54	32.51
		For Colored Vinyl, Add	*47.40*	
		For Tinted Glass, Add	*56.88*	
		For Low-E Insulated Glass, Add	*118.51*	
		For Obscure Glass, Add	*130.36*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	589.62	35.61
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.71*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.16	36.89
		For Colored Vinyl, Add	*54.14*	
		For Tinted Glass, Add	*64.96*	
		For Low-E Insulated Glass, Add	*135.34*	
		For Obscure Glass, Add	*148.88*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	640.64	38.44
		For Colored Vinyl, Add	*56.38*	
		For Tinted Glass, Add	*67.65*	
		For Low-E Insulated Glass, Add	*140.94*	
		For Obscure Glass, Add	*155.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	657.68	39.74
		For Colored Vinyl, Add	*57.87*	
		For Tinted Glass, Add	*69.45*	
		For Low-E Insulated Glass, Add	*144.68*	
		For Obscure Glass, Add	*159.15*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	691.77	41.54
		For Colored Vinyl, Add	*60.87*	
		For Tinted Glass, Add	*73.04*	
		For Low-E Insulated Glass, Add	*152.17*	
		For Obscure Glass, Add	*167.39*	

08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	549.07	33.03
		For Colored Vinyl, Add	*48.35*	
		For Tinted Glass, Add	*58.02*	
		For Low-E Insulated Glass, Add	*120.89*	
		For Obscure Glass, Add	*132.97*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	600.93	36.12
		For Colored Vinyl, Add	*52.92*	
		For Tinted Glass, Add	*63.51*	
		For Low-E Insulated Glass, Add	*132.30*	
		For Obscure Glass, Add	*145.53*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.87	37.42
		For Colored Vinyl, Add	*55.21*	
		For Tinted Glass, Add	*66.25*	
		For Low-E Insulated Glass, Add	*138.01*	
		For Obscure Glass, Add	*151.81*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	652.81	38.96
		For Colored Vinyl, Add	*57.49*	
		For Tinted Glass, Add	*68.99*	
		For Low-E Insulated Glass, Add	*143.72*	
		For Obscure Glass, Add	*158.09*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	670.14	40.25
		For Colored Vinyl, Add	*59.02*	
		For Tinted Glass, Add	*70.82*	
		For Low-E Insulated Glass, Add	*147.54*	
		For Obscure Glass, Add	*162.29*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	704.73	42.06
		For Colored Vinyl, Add	*62.06*	
		For Tinted Glass, Add	*74.47*	
		For Low-E Insulated Glass, Add	*155.16*	
		For Obscure Glass, Add	*170.67*	

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	559.61	33.54
		For Colored Vinyl, Add	*49.30*	
		For Tinted Glass, Add	*59.16*	
		For Low-E Insulated Glass, Add	*123.26*	
		For Obscure Glass, Add	*135.59*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	612.32	36.64
		For Colored Vinyl, Add	*53.96*	
		For Tinted Glass, Add	*64.75*	
		For Low-E Insulated Glass, Add	*134.89*	
		For Obscure Glass, Add	*148.38*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	638.65	37.93
		For Colored Vinyl, Add	*56.28*	
		For Tinted Glass, Add	*67.53*	
		For Low-E Insulated Glass, Add	*140.70*	
		For Obscure Glass, Add	*154.77*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	665.03	39.47
		For Colored Vinyl, Add	*58.61*	
		For Tinted Glass, Add	*70.33*	
		For Low-E Insulated Glass, Add	*146.52*	
		For Obscure Glass, Add	*161.17*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	682.58	40.76
		For Colored Vinyl, Add	*60.16*	
		For Tinted Glass, Add	*72.19*	
		For Low-E Insulated Glass, Add	*150.39*	
		For Obscure Glass, Add	*165.43*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	717.74	42.57
		For Colored Vinyl, Add	*63.26*	
		For Tinted Glass, Add	*75.91*	
		For Low-E Insulated Glass, Add	*158.15*	
		For Obscure Glass, Add	*173.97*	

08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	570.13	34.06
		For Colored Vinyl, Add	*50.25*	
		For Tinted Glass, Add	*60.30*	
		For Low-E Insulated Glass, Add	*125.63*	
		For Obscure Glass, Add	*138.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	623.64	37.15
		For Colored Vinyl, Add	*54.99*	
		For Tinted Glass, Add	*65.98*	
		For Low-E Insulated Glass, Add	*137.46*	
		For Obscure Glass, Add	*151.21*	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	650.42	38.44
		For Colored Vinyl, Add	*57.35*	
		For Tinted Glass, Add	*68.82*	
		For Low-E Insulated Glass, Add	*143.38*	
		For Obscure Glass, Add	*157.72*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.21	39.99
		For Colored Vinyl, Add	*59.72*	
		For Tinted Glass, Add	*71.67*	
		For Low-E Insulated Glass, Add	*149.31*	
		For Obscure Glass, Add	*164.24*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.03	41.28
		For Colored Vinyl, Add	*61.30*	
		For Tinted Glass, Add	*73.56*	
		For Low-E Insulated Glass, Add	*153.25*	
		For Obscure Glass, Add	*168.57*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	730.71	43.08
		For Colored Vinyl, Add	*64.45*	
		For Tinted Glass, Add	*77.34*	
		For Low-E Insulated Glass, Add	*161.13*	
		For Obscure Glass, Add	*177.25*	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.75	35.61
		For Colored Vinyl, Add	*55.61*	
		For Tinted Glass, Add	*66.73*	
		For Low-E Insulated Glass, Add	*139.02*	
		For Obscure Glass, Add	*152.92*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	657.71	38.70
		For Colored Vinyl, Add	*58.08*	
		For Tinted Glass, Add	*69.70*	
		For Low-E Insulated Glass, Add	*145.21*	
		For Obscure Glass, Add	*159.73*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	685.74	39.99
		For Colored Vinyl, Add	*60.58*	
		For Tinted Glass, Add	*72.69*	
		For Low-E Insulated Glass, Add	*151.44*	
		For Obscure Glass, Add	*166.58*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	713.71	41.54
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.66*	
		For Obscure Glass, Add	*173.42*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	732.38	42.83
		For Colored Vinyl, Add	*64.72*	
		For Tinted Glass, Add	*77.67*	
		For Low-E Insulated Glass, Add	*161.81*	
		For Obscure Glass, Add	*177.99*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	769.71	44.64
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	693.79	27.10
		For Colored Vinyl, Add	*63.96*	
		For Tinted Glass, Add	*76.75*	
		For Low-E Insulated Glass, Add	*159.90*	
		For Obscure Glass, Add	*175.89*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	763.12	29.67
		For Colored Vinyl, Add	*70.38*	
		For Tinted Glass, Add	*84.45*	
		For Low-E Insulated Glass, Add	*175.94*	
		For Obscure Glass, Add	*193.54*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	826.78	32.25
		For Colored Vinyl, Add	*76.23*	
		For Tinted Glass, Add	*91.47*	
		For Low-E Insulated Glass, Add	*190.57*	
		For Obscure Glass, Add	*209.63*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	868.97	34.83
		For Colored Vinyl, Add	*79.93*	
		For Tinted Glass, Add	*95.92*	
		For Low-E Insulated Glass, Add	*199.83*	
		For Obscure Glass, Add	*219.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	914.26	37.42
		For Colored Vinyl, Add	*83.94*	
		For Tinted Glass, Add	*100.73*	
		For Low-E Insulated Glass, Add	*209.86*	
		For Obscure Glass, Add	*230.85*	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	995.74	39.99
		For Colored Vinyl, Add	*91.58*	
		For Tinted Glass, Add	*109.89*	
		For Low-E Insulated Glass, Add	*228.94*	
		For Obscure Glass, Add	*251.83*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	8.31	0.34
		For Colored Vinyl, Add	*0.76*	
		For Tinted Glass, Add	*0.92*	
		For Low-E Insulated Glass, Add	*1.91*	
		For Obscure Glass, Add	*2.10*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	380.45	20.64
		For Colored Vinyl, Add	*33.92*	
		For Tinted Glass, Add	*40.70*	
		For Low-E Insulated Glass, Add	*84.79*	
		For Obscure Glass, Add	*93.27*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	420.02	20.64
		For Colored Vinyl, Add	*37.87*	
		For Tinted Glass, Add	*45.45*	
		For Low-E Insulated Glass, Add	*94.69*	
		For Obscure Glass, Add	*104.15*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	442.63	20.64
		For Colored Vinyl, Add	*40.14*	
		For Tinted Glass, Add	*48.16*	
		For Low-E Insulated Glass, Add	*100.34*	
		For Obscure Glass, Add	*110.37*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	520.74	20.12
		For Colored Vinyl, Add	*48.05*	
		For Tinted Glass, Add	*57.66*	
		For Low-E Insulated Glass, Add	*120.12*	
		For Obscure Glass, Add	*132.13*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	574.98	23.22
		For Colored Vinyl, Add	*52.85*	
		For Tinted Glass, Add	*63.42*	
		For Low-E Insulated Glass, Add	*132.14*	
		For Obscure Glass, Add	*145.35*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	10.29	0.34
		For Colored Vinyl, Add	*0.96*	
		For Tinted Glass, Add	*1.15*	
		For Low-E Insulated Glass, Add	*2.40*	
		For Obscure Glass, Add	*2.64*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	79.14
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	101.75
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	131.04
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	154.68
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	190.14

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	179.86
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	215.83
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	272.36
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	339.17
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	405.97

08 53 66 Vinyl Window Screens *(08 53)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0001		Insect Screens For Vinyl Windows *(08 53 66)*			
08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows		60.27	4.45
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows		91.10	4.45
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows		101.38	4.45
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows		121.94	4.45
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows		168.19	4.45
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows		188.74	4.45
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows		219.57	4.45
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows		240.13	4.45
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows		7.41	0.09

08 54 Composite Windows *(08 50)*

08 54 13 Fiberglass Windows *(08 54)*

08 54 13 00-0001 Single Hung Fiberglass Windows *(08 54 13)*

08 54 13 00-0002 New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0001)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0003 34" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0004	EA	24" x 34", New Construction, Single Hung Fiberglass Window		971.92	23.74
		For Colored Vinyl, Add		*92.45*	
		For Tinted Glass, Add		*110.93*	
		For Low-E Insulated Glass, Add		*231.11*	
		For Obscure Glass, Add		*254.22*	
08 54 13 00-0005	EA	28" x 34", New Construction, Single Hung Fiberglass Window		1,025.46	24.77
		For Colored Vinyl, Add		*97.59*	
		For Tinted Glass, Add		*117.11*	
		For Low-E Insulated Glass, Add		*243.98*	
		For Obscure Glass, Add		*268.38*	
08 54 13 00-0006	EA	30" x 34", New Construction, Single Hung Fiberglass Window		1,046.41	25.29
		For Colored Vinyl, Add		*99.58*	
		For Tinted Glass, Add		*119.50*	
		For Low-E Insulated Glass, Add		*248.96*	
		For Obscure Glass, Add		*273.86*	
08 54 13 00-0007	EA	32" x 34", New Construction, Single Hung Fiberglass Window		1,069.91	25.80
		For Colored Vinyl, Add		*101.83*	
		For Tinted Glass, Add		*122.20*	
		For Low-E Insulated Glass, Add		*254.58*	
		For Obscure Glass, Add		*280.04*	
08 54 13 00-0008	EA	36" x 34", New Construction, Single Hung Fiberglass Window		1,135.01	26.83
		For Colored Vinyl, Add		*108.13*	
		For Tinted Glass, Add		*129.76*	
		For Low-E Insulated Glass, Add		*270.34*	
		For Obscure Glass, Add		*297.37*	
08 54 13 00-0009	EA	44" x 34", New Construction, Single Hung Fiberglass Window		1,234.37	28.90
		For Colored Vinyl, Add		*117.66*	
		For Tinted Glass, Add		*141.19*	
		For Low-E Insulated Glass, Add		*294.15*	
		For Obscure Glass, Add		*323.56*	

08 54 13 00-0010 36" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0011	EA	24" x 36", New Construction, Single Hung Fiberglass Window		991.06	24.25
		For Colored Vinyl, Add		*94.26*	
		For Tinted Glass, Add		*113.11*	
		For Low-E Insulated Glass, Add		*235.64*	
		For Obscure Glass, Add		*259.20*	
08 54 13 00-0012	EA	28" x 36", New Construction, Single Hung Fiberglass Window		1,044.67	24.77
		For Colored Vinyl, Add		*99.41*	
		For Tinted Glass, Add		*119.29*	
		For Low-E Insulated Glass, Add		*248.53*	
		For Obscure Glass, Add		*273.38*	
08 54 13 00-0013	EA	30" x 36", New Construction, Single Hung Fiberglass Window		1,065.62	25.80
		For Colored Vinyl, Add		*101.40*	
		For Tinted Glass, Add		*121.68*	
		For Low-E Insulated Glass, Add		*253.51*	
		For Obscure Glass, Add		*278.86*	
08 54 13 00-0014	EA	32" x 36", New Construction, Single Hung Fiberglass Window		1,089.12	26.32
		For Colored Vinyl, Add		*103.65*	
		For Tinted Glass, Add		*124.38*	
		For Low-E Insulated Glass, Add		*259.12*	
		For Obscure Glass, Add		*285.03*	
08 54 13 00-0015	EA	36" x 36", New Construction, Single Hung Fiberglass Window		1,154.14	27.35
		For Colored Vinyl, Add		*109.94*	
		For Tinted Glass, Add		*131.93*	
		For Low-E Insulated Glass, Add		*274.86*	
		For Obscure Glass, Add		*302.35*	
08 54 13 00-0016	EA	44" x 36", New Construction, Single Hung Fiberglass Window		1,253.50	29.42
		For Colored Vinyl, Add		*119.47*	
		For Tinted Glass, Add		*143.36*	
		For Low-E Insulated Glass, Add		*298.67*	
		For Obscure Glass, Add		*328.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0017		**38" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0018	EA	24" x 38", New Construction, Single Hung Fiberglass Window	1,009.40	24.77
		For Colored Vinyl, Add	*95.99*	
		For Tinted Glass, Add	*115.18*	
		For Low-E Insulated Glass, Add	*239.97*	
		For Obscure Glass, Add	*263.96*	
08 54 13 00-0019	EA	28" x 38", New Construction, Single Hung Fiberglass Window	1,063.00	25.80
		For Colored Vinyl, Add	*101.14*	
		For Tinted Glass, Add	*121.37*	
		For Low-E Insulated Glass, Add	*252.85*	
		For Obscure Glass, Add	*278.14*	
08 54 13 00-0020	EA	30" x 38", New Construction, Single Hung Fiberglass Window	1,085.05	26.32
		For Colored Vinyl, Add	*103.24*	
		For Tinted Glass, Add	*123.89*	
		For Low-E Insulated Glass, Add	*258.10*	
		For Obscure Glass, Add	*283.91*	
08 54 13 00-0021	EA	32" x 38", New Construction, Single Hung Fiberglass Window	1,108.62	26.83
		For Colored Vinyl, Add	*105.50*	
		For Tinted Glass, Add	*126.59*	
		For Low-E Insulated Glass, Add	*263.74*	
		For Obscure Glass, Add	*290.11*	
08 54 13 00-0022	EA	36" x 38", New Construction, Single Hung Fiberglass Window	1,174.95	27.86
		For Colored Vinyl, Add	*111.92*	
		For Tinted Glass, Add	*134.31*	
		For Low-E Insulated Glass, Add	*279.81*	
		For Obscure Glass, Add	*307.79*	
08 54 13 00-0023	EA	44" x 38", New Construction, Single Hung Fiberglass Window	1,276.06	29.93
		For Colored Vinyl, Add	*121.62*	
		For Tinted Glass, Add	*145.94*	
		For Low-E Insulated Glass, Add	*304.05*	
		For Obscure Glass, Add	*334.46*	
08 54 13 00-0024		**44" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0025	EA	24" x 44", New Construction, Single Hung Fiberglass Window	1,065.93	26.32
		For Colored Vinyl, Add	*101.33*	
		For Tinted Glass, Add	*121.59*	
		For Low-E Insulated Glass, Add	*253.32*	
		For Obscure Glass, Add	*278.65*	
08 54 13 00-0026	EA	28" x 44", New Construction, Single Hung Fiberglass Window	1,119.46	27.35
		For Colored Vinyl, Add	*106.48*	
		For Tinted Glass, Add	*127.77*	
		For Low-E Insulated Glass, Add	*266.19*	
		For Obscure Glass, Add	*292.81*	
08 54 13 00-0027	EA	30" x 44", New Construction, Single Hung Fiberglass Window	1,145.36	27.86
		For Colored Vinyl, Add	*108.96*	
		For Tinted Glass, Add	*130.76*	
		For Low-E Insulated Glass, Add	*272.41*	
		For Obscure Glass, Add	*299.65*	
08 54 13 00-0028	EA	32" x 44", New Construction, Single Hung Fiberglass Window	1,168.85	28.38
		For Colored Vinyl, Add	*111.21*	
		For Tinted Glass, Add	*133.45*	
		For Low-E Insulated Glass, Add	*278.02*	
		For Obscure Glass, Add	*305.82*	
08 54 13 00-0029	EA	36" x 44", New Construction, Single Hung Fiberglass Window	1,239.03	29.42
		For Colored Vinyl, Add	*118.02*	
		For Tinted Glass, Add	*141.63*	
		For Low-E Insulated Glass, Add	*295.05*	
		For Obscure Glass, Add	*324.56*	
08 54 13 00-0030	EA	44" x 44", New Construction, Single Hung Fiberglass Window	1,344.88	31.47
		For Colored Vinyl, Add	*128.19*	
		For Tinted Glass, Add	*153.83*	
		For Low-E Insulated Glass, Add	*320.48*	
		For Obscure Glass, Add	*352.53*	
08 54 13 00-0031		**46" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0032	EA	24" x 46", New Construction, Single Hung Fiberglass Window	1,085.06	26.83
		For Colored Vinyl, Add	*103.14*	
		For Tinted Glass, Add	*123.77*	
		For Low-E Insulated Glass, Add	*257.85*	
		For Obscure Glass, Add	*283.63*	
08 54 13 00-0033	EA	28" x 46", New Construction, Single Hung Fiberglass Window	1,138.67	27.86
		For Colored Vinyl, Add	*108.29*	
		For Tinted Glass, Add	*129.95*	
		For Low-E Insulated Glass, Add	*270.74*	
		For Obscure Glass, Add	*297.81*	
08 54 13 00-0034	EA	30" x 46", New Construction, Single Hung Fiberglass Window	1,165.65	28.38
		For Colored Vinyl, Add	*110.89*	
		For Tinted Glass, Add	*133.07*	
		For Low-E Insulated Glass, Add	*277.22*	
		For Obscure Glass, Add	*304.94*	
08 54 13 00-0035	EA	32" x 46", New Construction, Single Hung Fiberglass Window	1,189.22	28.90
		For Colored Vinyl, Add	*113.14*	
		For Tinted Glass, Add	*135.77*	
		For Low-E Insulated Glass, Add	*282.86*	
		For Obscure Glass, Add	*311.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0036	EA	36" x 46", New Construction, Single Hung Fiberglass Window	1,260.50	29.93
		For Colored Vinyl, Add	*120.06*	
		For Tinted Glass, Add	*144.08*	
		For Low-E Insulated Glass, Add	*300.16*	
		For Obscure Glass, Add	*330.18*	
08 54 13 00-0037	EA	44" x 46", New Construction, Single Hung Fiberglass Window	1,368.16	32.00
		For Colored Vinyl, Add	*130.42*	
		For Tinted Glass, Add	*156.50*	
		For Low-E Insulated Glass, Add	*326.04*	
		For Obscure Glass, Add	*358.65*	
08 54 13 00-0038		**48" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0039	EA	24" x 48", New Construction, Single Hung Fiberglass Window	1,104.56	27.35
		For Colored Vinyl, Add	*104.99*	
		For Tinted Glass, Add	*125.98*	
		For Low-E Insulated Glass, Add	*262.47*	
		For Obscure Glass, Add	*288.71*	
08 54 13 00-0040	EA	28" x 48", New Construction, Single Hung Fiberglass Window	1,158.09	28.38
		For Colored Vinyl, Add	*110.13*	
		For Tinted Glass, Add	*132.16*	
		For Low-E Insulated Glass, Add	*275.33*	
		For Obscure Glass, Add	*302.87*	
08 54 13 00-0041	EA	30" x 48", New Construction, Single Hung Fiberglass Window	1,186.31	28.90
		For Colored Vinyl, Add	*112.85*	
		For Tinted Glass, Add	*135.42*	
		For Low-E Insulated Glass, Add	*282.13*	
		For Obscure Glass, Add	*310.34*	
08 54 13 00-0042	EA	32" x 48", New Construction, Single Hung Fiberglass Window	1,209.81	29.42
		For Colored Vinyl, Add	*115.10*	
		For Tinted Glass, Add	*138.12*	
		For Low-E Insulated Glass, Add	*287.75*	
		For Obscure Glass, Add	*316.52*	
08 54 13 00-0043	EA	36" x 48", New Construction, Single Hung Fiberglass Window	1,282.47	30.44
		For Colored Vinyl, Add	*122.16*	
		For Tinted Glass, Add	*146.59*	
		For Low-E Insulated Glass, Add	*305.40*	
		For Obscure Glass, Add	*335.93*	
08 54 13 00-0044	EA	44" x 48", New Construction, Single Hung Fiberglass Window	1,391.64	32.51
		For Colored Vinyl, Add	*132.66*	
		For Tinted Glass, Add	*159.20*	
		For Low-E Insulated Glass, Add	*331.66*	
		For Obscure Glass, Add	*364.82*	
08 54 13 00-0045		**50" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0046	EA	24" x 50", New Construction, Single Hung Fiberglass Window	1,122.82	27.86
		For Colored Vinyl, Add	*106.71*	
		For Tinted Glass, Add	*128.05*	
		For Low-E Insulated Glass, Add	*266.77*	
		For Obscure Glass, Add	*293.45*	
08 54 13 00-0047	EA	28" x 50", New Construction, Single Hung Fiberglass Window	1,176.42	28.90
		For Colored Vinyl, Add	*111.86*	
		For Tinted Glass, Add	*134.24*	
		For Low-E Insulated Glass, Add	*279.66*	
		For Obscure Glass, Add	*307.62*	
08 54 13 00-0048	EA	30" x 50", New Construction, Single Hung Fiberglass Window	1,205.88	29.42
		For Colored Vinyl, Add	*114.71*	
		For Tinted Glass, Add	*137.65*	
		For Low-E Insulated Glass, Add	*286.77*	
		For Obscure Glass, Add	*315.44*	
08 54 13 00-0049	EA	32" x 50", New Construction, Single Hung Fiberglass Window	1,229.46	29.93
		For Colored Vinyl, Add	*116.96*	
		For Tinted Glass, Add	*140.35*	
		For Low-E Insulated Glass, Add	*292.40*	
		For Obscure Glass, Add	*321.64*	
08 54 13 00-0050	EA	36" x 50", New Construction, Single Hung Fiberglass Window	1,303.20	30.96
		For Colored Vinyl, Add	*124.13*	
		For Tinted Glass, Add	*148.95*	
		For Low-E Insulated Glass, Add	*310.32*	
		For Obscure Glass, Add	*341.35*	
08 54 13 00-0051	EA	44" x 50", New Construction, Single Hung Fiberglass Window	1,413.98	33.03
		For Colored Vinyl, Add	*134.79*	
		For Tinted Glass, Add	*161.75*	
		For Low-E Insulated Glass, Add	*336.98*	
		For Obscure Glass, Add	*370.68*	
08 54 13 00-0052		**52" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0053	EA	24" x 52", New Construction, Single Hung Fiberglass Window	1,141.30	28.38
		For Colored Vinyl, Add	*108.45*	
		For Tinted Glass, Add	*130.14*	
		For Low-E Insulated Glass, Add	*271.14*	
		For Obscure Glass, Add	*298.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0054	EA	28" x 52", New Construction, Single Hung Fiberglass Window	1,194.90	29.42
		For Colored Vinyl, Add	*113.61*	
		For Tinted Glass, Add	*136.33*	
		For Low-E Insulated Glass, Add	*284.02*	
		For Obscure Glass, Add	*312.42*	
08 54 13 00-0055	EA	30" x 52", New Construction, Single Hung Fiberglass Window	1,225.68	29.93
		For Colored Vinyl, Add	*116.58*	
		For Tinted Glass, Add	*139.90*	
		For Low-E Insulated Glass, Add	*291.46*	
		For Obscure Glass, Add	*320.60*	
08 54 13 00-0056	EA	32" x 52", New Construction, Single Hung Fiberglass Window	1,249.17	30.44
		For Colored Vinyl, Add	*118.83*	
		For Tinted Glass, Add	*142.59*	
		For Low-E Insulated Glass, Add	*297.07*	
		For Obscure Glass, Add	*326.78*	
08 54 13 00-0057	EA	36" x 52", New Construction, Single Hung Fiberglass Window	1,324.30	31.47
		For Colored Vinyl, Add	*126.13*	
		For Tinted Glass, Add	*151.36*	
		For Low-E Insulated Glass, Add	*315.34*	
		For Obscure Glass, Add	*346.87*	
08 54 13 00-0058	EA	44" x 52", New Construction, Single Hung Fiberglass Window	1,436.68	33.54
		For Colored Vinyl, Add	*136.96*	
		For Tinted Glass, Add	*164.35*	
		For Low-E Insulated Glass, Add	*342.40*	
		For Obscure Glass, Add	*376.64*	
08 54 13 00-0059		**54" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0060	EA	24" x 54", New Construction, Single Hung Fiberglass Window	1,159.70	28.90
		For Colored Vinyl, Add	*110.19*	
		For Tinted Glass, Add	*132.23*	
		For Low-E Insulated Glass, Add	*275.48*	
		For Obscure Glass, Add	*303.03*	
08 54 13 00-0061	EA	28" x 54", New Construction, Single Hung Fiberglass Window	1,213.32	29.93
		For Colored Vinyl, Add	*115.35*	
		For Tinted Glass, Add	*138.42*	
		For Low-E Insulated Glass, Add	*288.37*	
		For Obscure Glass, Add	*317.20*	
08 54 13 00-0062	EA	30" x 54", New Construction, Single Hung Fiberglass Window	1,245.25	30.44
		For Colored Vinyl, Add	*118.44*	
		For Tinted Glass, Add	*142.12*	
		For Low-E Insulated Glass, Add	*296.09*	
		For Obscure Glass, Add	*325.70*	
08 54 13 00-0063	EA	32" x 54", New Construction, Single Hung Fiberglass Window	1,268.81	30.96
		For Colored Vinyl, Add	*120.69*	
		For Tinted Glass, Add	*144.83*	
		For Low-E Insulated Glass, Add	*301.72*	
		For Obscure Glass, Add	*331.89*	
08 54 13 00-0064	EA	36" x 54", New Construction, Single Hung Fiberglass Window	1,345.04	32.00
		For Colored Vinyl, Add	*128.11*	
		For Tinted Glass, Add	*153.73*	
		For Low-E Insulated Glass, Add	*320.26*	
		For Obscure Glass, Add	*352.29*	
08 54 13 00-0065	EA	44" x 54", New Construction, Single Hung Fiberglass Window	1,459.01	34.06
		For Colored Vinyl, Add	*139.09*	
		For Tinted Glass, Add	*166.91*	
		For Low-E Insulated Glass, Add	*347.73*	
		For Obscure Glass, Add	*382.50*	
08 54 13 00-0066		**60" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0067	EA	24" x 60", New Construction, Single Hung Fiberglass Window	1,217.26	30.44
		For Colored Vinyl, Add	*115.64*	
		For Tinted Glass, Add	*138.76*	
		For Low-E Insulated Glass, Add	*289.09*	
		For Obscure Glass, Add	*318.00*	
08 54 13 00-0068	EA	28" x 60", New Construction, Single Hung Fiberglass Window	1,270.87	31.47
		For Colored Vinyl, Add	*120.79*	
		For Tinted Glass, Add	*144.95*	
		For Low-E Insulated Glass, Add	*301.98*	
		For Obscure Glass, Add	*332.18*	
08 54 13 00-0069	EA	30" x 60", New Construction, Single Hung Fiberglass Window	1,306.29	32.00
		For Colored Vinyl, Add	*124.23*	
		For Tinted Glass, Add	*149.08*	
		For Low-E Insulated Glass, Add	*310.58*	
		For Obscure Glass, Add	*341.63*	
08 54 13 00-0070	EA	32" x 60", New Construction, Single Hung Fiberglass Window	1,329.84	32.51
		For Colored Vinyl, Add	*126.48*	
		For Tinted Glass, Add	*151.78*	
		For Low-E Insulated Glass, Add	*316.21*	
		For Obscure Glass, Add	*347.83*	
08 54 13 00-0071	EA	36" x 60", New Construction, Single Hung Fiberglass Window	1,409.85	33.54
		For Colored Vinyl, Add	*134.28*	
		For Tinted Glass, Add	*161.13*	
		For Low-E Insulated Glass, Add	*335.69*	
		For Obscure Glass, Add	*369.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0072	EA	44" x 60", New Construction, Single Hung Fiberglass Window	1,528.77	35.61
		For Colored Vinyl, Add	*145.76*	
		For Tinted Glass, Add	*174.91*	
		For Low-E Insulated Glass, Add	*364.39*	
		For Obscure Glass, Add	*400.83*	
08 54 13 00-0073		**62" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0074	EA	24" x 62", New Construction, Single Hung Fiberglass Window	1,235.73	30.96
		For Colored Vinyl, Add	*117.38*	
		For Tinted Glass, Add	*140.86*	
		For Low-E Insulated Glass, Add	*293.45*	
		For Obscure Glass, Add	*322.80*	
08 54 13 00-0075	EA	28" x 62", New Construction, Single Hung Fiberglass Window	1,289.28	32.00
		For Colored Vinyl, Add	*122.53*	
		For Tinted Glass, Add	*147.03*	
		For Low-E Insulated Glass, Add	*306.32*	
		For Obscure Glass, Add	*336.95*	
08 54 13 00-0076	EA	30" x 62", New Construction, Single Hung Fiberglass Window	1,326.21	32.51
		For Colored Vinyl, Add	*126.12*	
		For Tinted Glass, Add	*151.34*	
		For Low-E Insulated Glass, Add	*315.30*	
		For Obscure Glass, Add	*346.83*	
08 54 13 00-0077	EA	32" x 62", New Construction, Single Hung Fiberglass Window	1,349.71	33.03
		For Colored Vinyl, Add	*128.37*	
		For Tinted Glass, Add	*154.04*	
		For Low-E Insulated Glass, Add	*320.92*	
		For Obscure Glass, Add	*353.01*	
08 54 13 00-0078	EA	36" x 62", New Construction, Single Hung Fiberglass Window	1,430.87	34.06
		For Colored Vinyl, Add	*136.28*	
		For Tinted Glass, Add	*163.53*	
		For Low-E Insulated Glass, Add	*340.69*	
		For Obscure Glass, Add	*374.76*	
08 54 13 00-0079	EA	44" x 62", New Construction, Single Hung Fiberglass Window	1,551.54	36.12
		For Colored Vinyl, Add	*147.93*	
		For Tinted Glass, Add	*177.52*	
		For Low-E Insulated Glass, Add	*369.83*	
		For Obscure Glass, Add	*406.81*	
08 54 13 00-0080		**66" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0081	EA	24" x 66", New Construction, Single Hung Fiberglass Window	1,273.50	32.00
		For Colored Vinyl, Add	*120.95*	
		For Tinted Glass, Add	*145.14*	
		For Low-E Insulated Glass, Add	*302.38*	
		For Obscure Glass, Add	*332.62*	
08 54 13 00-0082	EA	28" x 66", New Construction, Single Hung Fiberglass Window	1,327.10	33.03
		For Colored Vinyl, Add	*126.11*	
		For Tinted Glass, Add	*151.33*	
		For Low-E Insulated Glass, Add	*315.26*	
		For Obscure Glass, Add	*346.79*	
08 54 13 00-0083	EA	30" x 66", New Construction, Single Hung Fiberglass Window	1,366.30	33.54
		For Colored Vinyl, Add	*129.92*	
		For Tinted Glass, Add	*155.91*	
		For Low-E Insulated Glass, Add	*324.81*	
		For Obscure Glass, Add	*357.29*	
08 54 13 00-0084	EA	32" x 66", New Construction, Single Hung Fiberglass Window	1,389.80	34.06
		For Colored Vinyl, Add	*132.17*	
		For Tinted Glass, Add	*158.60*	
		For Low-E Insulated Glass, Add	*330.42*	
		For Obscure Glass, Add	*363.46*	
08 54 13 00-0085	EA	36" x 66", New Construction, Single Hung Fiberglass Window	1,473.58	35.08
		For Colored Vinyl, Add	*140.34*	
		For Tinted Glass, Add	*168.41*	
		For Low-E Insulated Glass, Add	*350.85*	
		For Obscure Glass, Add	*385.94*	
08 54 13 00-0086	EA	44" x 66", New Construction, Single Hung Fiberglass Window	1,597.30	37.15
		For Colored Vinyl, Add	*152.30*	
		For Tinted Glass, Add	*182.76*	
		For Low-E Insulated Glass, Add	*380.75*	
		For Obscure Glass, Add	*418.82*	
08 54 13 00-0087		**72" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0088	EA	24" x 72", New Construction, Single Hung Fiberglass Window	1,331.04	33.54
		For Colored Vinyl, Add	*126.40*	
		For Tinted Glass, Add	*151.68*	
		For Low-E Insulated Glass, Add	*315.99*	
		For Obscure Glass, Add	*347.59*	
08 54 13 00-0089	EA	28" x 72", New Construction, Single Hung Fiberglass Window	1,384.58	34.57
		For Colored Vinyl, Add	*131.54*	
		For Tinted Glass, Add	*157.85*	
		For Low-E Insulated Glass, Add	*328.86*	
		For Obscure Glass, Add	*361.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0090	EA	30" x 72", New Construction, Single Hung Fiberglass Window	1,423.78	35.08
		For Colored Vinyl, Add	*135.36*	
		For Tinted Glass, Add	*162.43*	
		For Low-E Insulated Glass, Add	*338.40*	
		For Obscure Glass, Add	*372.24*	
08 54 13 00-0091	EA	32" x 72", New Construction, Single Hung Fiberglass Window	1,447.35	35.61
		For Colored Vinyl, Add	*137.61*	
		For Tinted Glass, Add	*165.14*	
		For Low-E Insulated Glass, Add	*344.04*	
		For Obscure Glass, Add	*378.44*	
08 54 13 00-0092	EA	36" x 72", New Construction, Single Hung Fiberglass Window	1,531.13	36.64
		For Colored Vinyl, Add	*145.79*	
		For Tinted Glass, Add	*174.94*	
		For Low-E Insulated Glass, Add	*364.46*	
		For Obscure Glass, Add	*400.91*	
08 54 13 00-0093	EA	44" x 72", New Construction, Single Hung Fiberglass Window	1,654.84	38.70
		For Colored Vinyl, Add	*157.74*	
		For Tinted Glass, Add	*189.29*	
		For Low-E Insulated Glass, Add	*394.36*	
		For Obscure Glass, Add	*433.80*	

08 54 13 00-0094 Replacement, Single Hung Fiberglass Windows *(08 54 13 00-0001)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,537.55	27.10
		For Colored Vinyl, Add	*148.34*	
		For Tinted Glass, Add	*178.00*	
		For Low-E Insulated Glass, Add	*370.84*	
		For Obscure Glass, Add	*407.93*	
08 54 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Fiberglass Window	1,685.72	29.67
		For Colored Vinyl, Add	*162.64*	
		For Tinted Glass, Add	*195.16*	
		For Low-E Insulated Glass, Add	*406.59*	
		For Obscure Glass, Add	*447.25*	
08 54 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Fiberglass Window	1,819.33	32.25
		For Colored Vinyl, Add	*175.48*	
		For Tinted Glass, Add	*210.58*	
		For Low-E Insulated Glass, Add	*438.71*	
		For Obscure Glass, Add	*482.58*	
08 54 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Fiberglass Window	1,902.15	34.83
		For Colored Vinyl, Add	*183.25*	
		For Tinted Glass, Add	*219.90*	
		For Low-E Insulated Glass, Add	*458.12*	
		For Obscure Glass, Add	*503.93*	
08 54 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Fiberglass Window	1,990.76	37.42
		For Colored Vinyl, Add	*191.59*	
		For Tinted Glass, Add	*229.91*	
		For Low-E Insulated Glass, Add	*478.99*	
		For Obscure Glass, Add	*526.88*	
08 54 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Fiberglass Window	2,170.11	39.99
		For Colored Vinyl, Add	*209.01*	
		For Tinted Glass, Add	*250.81*	
		For Low-E Insulated Glass, Add	*522.53*	
		For Obscure Glass, Add	*574.78*	
08 54 13 00-0101	UI	>120" UI, Replacement, Single Hung Fiberglass Window	18.13	0.34
		For Colored Vinyl, Add	*1.75*	
		For Tinted Glass, Add	*2.09*	
		For Low-E Insulated Glass, Add	*4.36*	
		For Obscure Glass, Add	*4.80*	

08 54 13 00-0102 Double Hung Fiberglass Windows *(08 54 13)*

08 54 13 00-0103 New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0102)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0104 34" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*

08 54 13 00-0105	EA	24" x 34", New Construction, Double Hung Fiberglass Window	1,530.26	23.74
		For Colored Vinyl, Add	*148.28*	
		For Tinted Glass, Add	*177.93*	
		For Low-E Insulated Glass, Add	*370.70*	
		For Obscure Glass, Add	*407.77*	
08 54 13 00-0106	EA	28" x 34", New Construction, Double Hung Fiberglass Window	1,583.87	24.77
		For Colored Vinyl, Add	*153.43*	
		For Tinted Glass, Add	*184.12*	
		For Low-E Insulated Glass, Add	*383.58*	
		For Obscure Glass, Add	*421.94*	
08 54 13 00-0107	EA	30" x 34", New Construction, Double Hung Fiberglass Window	1,609.55	25.29
		For Colored Vinyl, Add	*155.90*	
		For Tinted Glass, Add	*187.08*	
		For Low-E Insulated Glass, Add	*389.75*	
		For Obscure Glass, Add	*428.72*	
08 54 13 00-0108	EA	32" x 34", New Construction, Double Hung Fiberglass Window	1,633.12	25.80
		For Colored Vinyl, Add	*158.15*	
		For Tinted Glass, Add	*189.78*	
		For Low-E Insulated Glass, Add	*395.38*	
		For Obscure Glass, Add	*434.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0109	EA	36" x 34", New Construction, Double Hung Fiberglass Window	1,693.35	26.83
		For Colored Vinyl, Add	*163.97*	
		For Tinted Glass, Add	*196.76*	
		For Low-E Insulated Glass, Add	*409.92*	
		For Obscure Glass, Add	*450.91*	
08 54 13 00-0110	EA	44" x 34", New Construction, Double Hung Fiberglass Window	1,786.45	28.90
		For Colored Vinyl, Add	*172.87*	
		For Tinted Glass, Add	*207.44*	
		For Low-E Insulated Glass, Add	*432.17*	
		For Obscure Glass, Add	*475.38*	
08 54 13 00-0111		**36" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0112	EA	24" x 36", New Construction, Double Hung Fiberglass Window	1,549.46	24.25
		For Colored Vinyl, Add	*150.10*	
		For Tinted Glass, Add	*180.12*	
		For Low-E Insulated Glass, Add	*375.24*	
		For Obscure Glass, Add	*412.76*	
08 54 13 00-0113	EA	28" x 36", New Construction, Double Hung Fiberglass Window	1,603.08	25.29
		For Colored Vinyl, Add	*155.25*	
		For Tinted Glass, Add	*186.30*	
		For Low-E Insulated Glass, Add	*388.13*	
		For Obscure Glass, Add	*426.94*	
08 54 13 00-0114	EA	30" x 36", New Construction, Double Hung Fiberglass Window	1,628.75	25.80
		For Colored Vinyl, Add	*157.72*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.29*	
		For Obscure Glass, Add	*433.72*	
08 54 13 00-0115	EA	32" x 36", New Construction, Double Hung Fiberglass Window	1,652.26	26.32
		For Colored Vinyl, Add	*159.96*	
		For Tinted Glass, Add	*191.95*	
		For Low-E Insulated Glass, Add	*399.91*	
		For Obscure Glass, Add	*439.90*	
08 54 13 00-0116	EA	36" x 36", New Construction, Double Hung Fiberglass Window	1,712.55	27.35
		For Colored Vinyl, Add	*165.79*	
		For Tinted Glass, Add	*198.94*	
		For Low-E Insulated Glass, Add	*414.46*	
		For Obscure Glass, Add	*455.91*	
08 54 13 00-0117	EA	44" x 36", New Construction, Double Hung Fiberglass Window	1,805.66	29.42
		For Colored Vinyl, Add	*174.68*	
		For Tinted Glass, Add	*209.62*	
		For Low-E Insulated Glass, Add	*436.71*	
		For Obscure Glass, Add	*480.38*	
08 54 13 00-0118		**38" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0119	EA	24" x 38", New Construction, Double Hung Fiberglass Window	1,565.99	24.77
		For Colored Vinyl, Add	*151.65*	
		For Tinted Glass, Add	*181.97*	
		For Low-E Insulated Glass, Add	*379.11*	
		For Obscure Glass, Add	*417.02*	
08 54 13 00-0120	EA	28" x 38", New Construction, Double Hung Fiberglass Window	1,619.59	25.80
		For Colored Vinyl, Add	*156.80*	
		For Tinted Glass, Add	*188.16*	
		For Low-E Insulated Glass, Add	*392.00*	
		For Obscure Glass, Add	*431.20*	
08 54 13 00-0121	EA	30" x 38", New Construction, Double Hung Fiberglass Window	1,646.37	26.32
		For Colored Vinyl, Add	*159.37*	
		For Tinted Glass, Add	*191.25*	
		For Low-E Insulated Glass, Add	*398.43*	
		For Obscure Glass, Add	*438.28*	
08 54 13 00-0122	EA	32" x 38", New Construction, Double Hung Fiberglass Window	1,669.86	26.83
		For Colored Vinyl, Add	*161.62*	
		For Tinted Glass, Add	*193.94*	
		For Low-E Insulated Glass, Add	*404.05*	
		For Obscure Glass, Add	*444.45*	
08 54 13 00-0123	EA	36" x 38", New Construction, Double Hung Fiberglass Window	1,731.61	27.86
		For Colored Vinyl, Add	*167.59*	
		For Tinted Glass, Add	*201.11*	
		For Low-E Insulated Glass, Add	*418.97*	
		For Obscure Glass, Add	*460.87*	
08 54 13 00-0124	EA	44" x 38", New Construction, Double Hung Fiberglass Window	1,826.11	29.93
		For Colored Vinyl, Add	*176.63*	
		For Tinted Glass, Add	*211.95*	
		For Low-E Insulated Glass, Add	*441.56*	
		For Obscure Glass, Add	*485.72*	
08 54 13 00-0125		**44" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0126	EA	24" x 44", New Construction, Double Hung Fiberglass Window	1,625.58	26.32
		For Colored Vinyl, Add	*157.29*	
		For Tinted Glass, Add	*188.75*	
		For Low-E Insulated Glass, Add	*393.24*	
		For Obscure Glass, Add	*432.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0127	EA	28" x 44", New Construction, Double Hung Fiberglass Window	1,679.18	27.35
		For Colored Vinyl, Add	*162.45*	
		For Tinted Glass, Add	*194.94*	
		For Low-E Insulated Glass, Add	*406.12*	
		For Obscure Glass, Add	*446.73*	
08 54 13 00-0128	EA	30" x 44", New Construction, Double Hung Fiberglass Window	1,699.91	27.86
		For Colored Vinyl, Add	*164.42*	
		For Tinted Glass, Add	*197.30*	
		For Low-E Insulated Glass, Add	*411.05*	
		For Obscure Glass, Add	*452.15*	
08 54 13 00-0129	EA	32" x 44", New Construction, Double Hung Fiberglass Window	1,723.48	28.38
		For Colored Vinyl, Add	*166.67*	
		For Tinted Glass, Add	*200.01*	
		For Low-E Insulated Glass, Add	*416.68*	
		For Obscure Glass, Add	*458.35*	
08 54 13 00-0130	EA	36" x 44", New Construction, Double Hung Fiberglass Window	1,788.35	29.42
		For Colored Vinyl, Add	*172.95*	
		For Tinted Glass, Add	*207.54*	
		For Low-E Insulated Glass, Add	*432.38*	
		For Obscure Glass, Add	*475.62*	
08 54 13 00-0131	EA	44" x 44", New Construction, Double Hung Fiberglass Window	1,890.20	31.47
		For Colored Vinyl, Add	*182.72*	
		For Tinted Glass, Add	*219.27*	
		For Low-E Insulated Glass, Add	*456.81*	
		For Obscure Glass, Add	*502.49*	
08 54 13 00-0132		**46" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0133	EA	24" x 46", New Construction, Double Hung Fiberglass Window	1,642.02	26.83
		For Colored Vinyl, Add	*158.84*	
		For Tinted Glass, Add	*190.60*	
		For Low-E Insulated Glass, Add	*397.09*	
		For Obscure Glass, Add	*436.80*	
08 54 13 00-0134	EA	28" x 46", New Construction, Double Hung Fiberglass Window	1,695.55	27.86
		For Colored Vinyl, Add	*163.98*	
		For Tinted Glass, Add	*196.78*	
		For Low-E Insulated Glass, Add	*409.96*	
		For Obscure Glass, Add	*450.95*	
08 54 13 00-0135	EA	30" x 46", New Construction, Double Hung Fiberglass Window	1,717.96	28.38
		For Colored Vinyl, Add	*166.12*	
		For Tinted Glass, Add	*199.34*	
		For Low-E Insulated Glass, Add	*415.30*	
		For Obscure Glass, Add	*456.83*	
08 54 13 00-0136	EA	32" x 46", New Construction, Double Hung Fiberglass Window	1,741.45	28.90
		For Colored Vinyl, Add	*168.37*	
		For Tinted Glass, Add	*202.04*	
		For Low-E Insulated Glass, Add	*420.92*	
		For Obscure Glass, Add	*463.01*	
08 54 13 00-0137	EA	36" x 46", New Construction, Double Hung Fiberglass Window	1,807.42	29.93
		For Colored Vinyl, Add	*174.76*	
		For Tinted Glass, Add	*209.71*	
		For Low-E Insulated Glass, Add	*436.89*	
		For Obscure Glass, Add	*480.58*	
08 54 13 00-0138	EA	44" x 46", New Construction, Double Hung Fiberglass Window	1,913.55	32.00
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.95*	
		For Low-E Insulated Glass, Add	*462.39*	
		For Obscure Glass, Add	*508.63*	
08 54 13 00-0139		**48" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0140	EA	24" x 48", New Construction, Double Hung Fiberglass Window	1,658.68	27.35
		For Colored Vinyl, Add	*160.40*	
		For Tinted Glass, Add	*192.48*	
		For Low-E Insulated Glass, Add	*401.00*	
		For Obscure Glass, Add	*441.09*	
08 54 13 00-0141	EA	28" x 48", New Construction, Double Hung Fiberglass Window	1,712.28	28.38
		For Colored Vinyl, Add	*165.55*	
		For Tinted Glass, Add	*198.66*	
		For Low-E Insulated Glass, Add	*413.88*	
		For Obscure Glass, Add	*455.27*	
08 54 13 00-0142	EA	30" x 48", New Construction, Double Hung Fiberglass Window	1,735.56	28.90
		For Colored Vinyl, Add	*167.78*	
		For Tinted Glass, Add	*201.33*	
		For Low-E Insulated Glass, Add	*419.44*	
		For Obscure Glass, Add	*461.39*	
08 54 13 00-0143	EA	32" x 48", New Construction, Double Hung Fiberglass Window	1,759.05	29.42
		For Colored Vinyl, Add	*170.02*	
		For Tinted Glass, Add	*204.03*	
		For Low-E Insulated Glass, Add	*425.06*	
		For Obscure Glass, Add	*467.56*	
08 54 13 00-0144	EA	36" x 48", New Construction, Double Hung Fiberglass Window	1,826.41	30.44
		For Colored Vinyl, Add	*176.55*	
		For Tinted Glass, Add	*211.86*	
		For Low-E Insulated Glass, Add	*441.38*	
		For Obscure Glass, Add	*485.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0145	EA	44" x 48", New Construction, Double Hung Fiberglass Window	1,936.38	32.51
		For Colored Vinyl, Add	*187.14*	
		For Tinted Glass, Add	*224.56*	
		For Low-E Insulated Glass, Add	*467.84*	
		For Obscure Glass, Add	*514.63*	
08 54 13 00-0146		**50" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0147	EA	24" x 50", New Construction, Double Hung Fiberglass Window	1,675.12	27.86
		For Colored Vinyl, Add	*161.94*	
		For Tinted Glass, Add	*194.33*	
		For Low-E Insulated Glass, Add	*404.85*	
		For Obscure Glass, Add	*445.33*	
08 54 13 00-0148	EA	28" x 50", New Construction, Double Hung Fiberglass Window	1,728.73	28.90
		For Colored Vinyl, Add	*167.09*	
		For Tinted Glass, Add	*200.51*	
		For Low-E Insulated Glass, Add	*417.74*	
		For Obscure Glass, Add	*459.51*	
08 54 13 00-0149	EA	30" x 50", New Construction, Double Hung Fiberglass Window	1,753.38	29.42
		For Colored Vinyl, Add	*169.46*	
		For Tinted Glass, Add	*203.35*	
		For Low-E Insulated Glass, Add	*423.64*	
		For Obscure Glass, Add	*466.00*	
08 54 13 00-0150	EA	32" x 50", New Construction, Double Hung Fiberglass Window	1,776.96	29.93
		For Colored Vinyl, Add	*171.71*	
		For Tinted Glass, Add	*206.05*	
		For Low-E Insulated Glass, Add	*429.28*	
		For Obscure Glass, Add	*472.20*	
08 54 13 00-0151	EA	36" x 50", New Construction, Double Hung Fiberglass Window	1,845.47	30.96
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0152	EA	44" x 50", New Construction, Double Hung Fiberglass Window	1,959.59	33.03
		For Colored Vinyl, Add	*189.35*	
		For Tinted Glass, Add	*227.22*	
		For Low-E Insulated Glass, Add	*473.39*	
		For Obscure Glass, Add	*520.72*	
08 54 13 00-0153		**52" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0154	EA	24" x 52", New Construction, Double Hung Fiberglass Window	1,691.71	28.38
		For Colored Vinyl, Add	*163.50*	
		For Tinted Glass, Add	*196.19*	
		For Low-E Insulated Glass, Add	*408.74*	
		For Obscure Glass, Add	*449.61*	
08 54 13 00-0155	EA	28" x 52", New Construction, Double Hung Fiberglass Window	1,745.24	29.42
		For Colored Vinyl, Add	*168.64*	
		For Tinted Glass, Add	*202.37*	
		For Low-E Insulated Glass, Add	*421.61*	
		For Obscure Glass, Add	*463.77*	
08 54 13 00-0156	EA	30" x 52", New Construction, Double Hung Fiberglass Window	1,771.00	29.93
		For Colored Vinyl, Add	*171.11*	
		For Tinted Glass, Add	*205.34*	
		For Low-E Insulated Glass, Add	*427.79*	
		For Obscure Glass, Add	*470.56*	
08 54 13 00-0157	EA	32" x 52", New Construction, Double Hung Fiberglass Window	1,794.49	30.44
		For Colored Vinyl, Add	*173.36*	
		For Tinted Glass, Add	*208.03*	
		For Low-E Insulated Glass, Add	*433.40*	
		For Obscure Glass, Add	*476.74*	
08 54 13 00-0158	EA	36" x 52", New Construction, Double Hung Fiberglass Window	1,866.94	31.47
		For Colored Vinyl, Add	*180.40*	
		For Tinted Glass, Add	*216.48*	
		For Low-E Insulated Glass, Add	*451.00*	
		For Obscure Glass, Add	*496.09*	
08 54 13 00-0159	EA	44" x 52", New Construction, Double Hung Fiberglass Window	1,982.29	33.54
		For Colored Vinyl, Add	*191.52*	
		For Tinted Glass, Add	*229.83*	
		For Low-E Insulated Glass, Add	*478.80*	
		For Obscure Glass, Add	*526.68*	
08 54 13 00-0160		**54" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0161	EA	24" x 54", New Construction, Double Hung Fiberglass Window	1,708.37	28.90
		For Colored Vinyl, Add	*165.06*	
		For Tinted Glass, Add	*198.07*	
		For Low-E Insulated Glass, Add	*412.65*	
		For Obscure Glass, Add	*453.91*	
08 54 13 00-0162	EA	28" x 54", New Construction, Double Hung Fiberglass Window	1,761.99	29.93
		For Colored Vinyl, Add	*170.21*	
		For Tinted Glass, Add	*204.26*	
		For Low-E Insulated Glass, Add	*425.53*	
		For Obscure Glass, Add	*468.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0163	EA	30" x 54", New Construction, Double Hung Fiberglass Window	1,788.97	30.44
		For Colored Vinyl, Add	*172.81*	
		For Tinted Glass, Add	*207.37*	
		For Low-E Insulated Glass, Add	*432.02*	
		For Obscure Glass, Add	*475.22*	
08 54 13 00-0164	EA	32" x 54", New Construction, Double Hung Fiberglass Window	1,812.54	30.96
		For Colored Vinyl, Add	*175.06*	
		For Tinted Glass, Add	*210.07*	
		For Low-E Insulated Glass, Add	*437.66*	
		For Obscure Glass, Add	*481.42*	
08 54 13 00-0165	EA	36" x 54", New Construction, Double Hung Fiberglass Window	1,888.47	32.00
		For Colored Vinyl, Add	*182.45*	
		For Tinted Glass, Add	*218.94*	
		For Low-E Insulated Glass, Add	*456.12*	
		For Obscure Glass, Add	*501.73*	
08 54 13 00-0166	EA	44" x 54", New Construction, Double Hung Fiberglass Window	2,005.06	34.06
		For Colored Vinyl, Add	*193.70*	
		For Tinted Glass, Add	*232.43*	
		For Low-E Insulated Glass, Add	*484.24*	
		For Obscure Glass, Add	*532.66*	

08 54 13 00-0167 60" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*

08 54 13 00-0168	EA	24" x 60", New Construction, Double Hung Fiberglass Window	1,758.36	30.44
		For Colored Vinyl, Add	*169.75*	
		For Tinted Glass, Add	*203.70*	
		For Low-E Insulated Glass, Add	*424.37*	
		For Obscure Glass, Add	*466.80*	
08 54 13 00-0169	EA	28" x 60", New Construction, Double Hung Fiberglass Window	1,811.98	31.47
		For Colored Vinyl, Add	*174.90*	
		For Tinted Glass, Add	*209.88*	
		For Low-E Insulated Glass, Add	*437.26*	
		For Obscure Glass, Add	*480.98*	
08 54 13 00-0170	EA	30" x 60", New Construction, Double Hung Fiberglass Window	1,847.54	32.00
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0171	EA	32" x 60", New Construction, Double Hung Fiberglass Window	1,871.02	32.51
		For Colored Vinyl, Add	*180.60*	
		For Tinted Glass, Add	*216.72*	
		For Low-E Insulated Glass, Add	*451.50*	
		For Obscure Glass, Add	*496.65*	
08 54 13 00-0172	EA	36" x 60", New Construction, Double Hung Fiberglass Window	1,952.55	33.54
		For Colored Vinyl, Add	*188.55*	
		For Tinted Glass, Add	*226.26*	
		For Low-E Insulated Glass, Add	*471.37*	
		For Obscure Glass, Add	*518.50*	
08 54 13 00-0173	EA	44" x 60", New Construction, Double Hung Fiberglass Window	2,073.80	35.61
		For Colored Vinyl, Add	*200.26*	
		For Tinted Glass, Add	*240.31*	
		For Low-E Insulated Glass, Add	*500.65*	
		For Obscure Glass, Add	*550.71*	

08 54 13 00-0174 62" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0103)*

08 54 13 00-0175	EA	24" x 62", New Construction, Double Hung Fiberglass Window	1,774.95	30.96
		For Colored Vinyl, Add	*171.30*	
		For Tinted Glass, Add	*205.56*	
		For Low-E Insulated Glass, Add	*428.26*	
		For Obscure Glass, Add	*471.08*	
08 54 13 00-0176	EA	28" x 62", New Construction, Double Hung Fiberglass Window	1,828.49	32.00
		For Colored Vinyl, Add	*176.45*	
		For Tinted Glass, Add	*211.74*	
		For Low-E Insulated Glass, Add	*441.13*	
		For Obscure Glass, Add	*485.24*	
08 54 13 00-0177	EA	30" x 62", New Construction, Double Hung Fiberglass Window	1,867.61	32.51
		For Colored Vinyl, Add	*180.26*	
		For Tinted Glass, Add	*216.31*	
		For Low-E Insulated Glass, Add	*450.65*	
		For Obscure Glass, Add	*495.72*	
08 54 13 00-0178	EA	32" x 62", New Construction, Double Hung Fiberglass Window	1,891.11	33.03
		For Colored Vinyl, Add	*182.51*	
		For Tinted Glass, Add	*219.01*	
		For Low-E Insulated Glass, Add	*456.27*	
		For Obscure Glass, Add	*501.89*	
08 54 13 00-0179	EA	36" x 62", New Construction, Double Hung Fiberglass Window	1,973.72	34.06
		For Colored Vinyl, Add	*190.56*	
		For Tinted Glass, Add	*228.67*	
		For Low-E Insulated Glass, Add	*476.40*	
		For Obscure Glass, Add	*524.04*	
08 54 13 00-0180	EA	44" x 62", New Construction, Double Hung Fiberglass Window	2,099.48	36.12
		For Colored Vinyl, Add	*202.72*	
		For Tinted Glass, Add	*243.27*	
		For Low-E Insulated Glass, Add	*506.81*	
		For Obscure Glass, Add	*557.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0181		**66" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0182	EA	24" x 66", New Construction, Double Hung Fiberglass Window	1,813.30	32.00
		For Colored Vinyl, Add	*174.93*	
		For Tinted Glass, Add	*209.92*	
		For Low-E Insulated Glass, Add	*437.33*	
		For Obscure Glass, Add	*481.06*	
08 54 13 00-0183	EA	28" x 66", New Construction, Double Hung Fiberglass Window	1,866.90	33.03
		For Colored Vinyl, Add	*180.09*	
		For Tinted Glass, Add	*216.10*	
		For Low-E Insulated Glass, Add	*450.21*	
		For Obscure Glass, Add	*495.23*	
08 54 13 00-0184	EA	30" x 66", New Construction, Double Hung Fiberglass Window	1,907.84	33.54
		For Colored Vinyl, Add	*184.08*	
		For Tinted Glass, Add	*220.89*	
		For Low-E Insulated Glass, Add	*460.19*	
		For Obscure Glass, Add	*506.21*	
08 54 13 00-0185	EA	32" x 66", New Construction, Double Hung Fiberglass Window	1,931.34	34.06
		For Colored Vinyl, Add	*186.32*	
		For Tinted Glass, Add	*223.59*	
		For Low-E Insulated Glass, Add	*465.81*	
		For Obscure Glass, Add	*512.39*	
08 54 13 00-0186	EA	36" x 66", New Construction, Double Hung Fiberglass Window	2,016.72	35.08
		For Colored Vinyl, Add	*194.65*	
		For Tinted Glass, Add	*233.58*	
		For Low-E Insulated Glass, Add	*486.64*	
		For Obscure Glass, Add	*535.30*	
08 54 13 00-0187	EA	44" x 66", New Construction, Double Hung Fiberglass Window	2,148.59	37.15
		For Colored Vinyl, Add	*207.43*	
		For Tinted Glass, Add	*248.91*	
		For Low-E Insulated Glass, Add	*518.57*	
		For Obscure Glass, Add	*570.43*	
08 54 13 00-0188		**72" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0103)*		
08 54 13 00-0189	EA	24" x 72", New Construction, Double Hung Fiberglass Window	1,870.84	33.54
		For Colored Vinyl, Add	*180.38*	
		For Tinted Glass, Add	*216.45*	
		For Low-E Insulated Glass, Add	*450.94*	
		For Obscure Glass, Add	*496.03*	
08 54 13 00-0190	EA	28" x 72", New Construction, Double Hung Fiberglass Window	1,924.38	34.57
		For Colored Vinyl, Add	*185.52*	
		For Tinted Glass, Add	*222.63*	
		For Low-E Insulated Glass, Add	*463.81*	
		For Obscure Glass, Add	*510.19*	
08 54 13 00-0191	EA	30" x 72", New Construction, Double Hung Fiberglass Window	1,965.32	35.08
		For Colored Vinyl, Add	*189.51*	
		For Tinted Glass, Add	*227.42*	
		For Low-E Insulated Glass, Add	*473.79*	
		For Obscure Glass, Add	*521.16*	
08 54 13 00-0192	EA	32" x 72", New Construction, Double Hung Fiberglass Window	1,988.89	35.61
		For Colored Vinyl, Add	*191.77*	
		For Tinted Glass, Add	*230.12*	
		For Low-E Insulated Glass, Add	*479.42*	
		For Obscure Glass, Add	*527.36*	
08 54 13 00-0193	EA	36" x 72", New Construction, Double Hung Fiberglass Window	2,074.27	36.64
		For Colored Vinyl, Add	*200.10*	
		For Tinted Glass, Add	*240.12*	
		For Low-E Insulated Glass, Add	*500.25*	
		For Obscure Glass, Add	*550.27*	
08 54 13 00-0194	EA	44" x 72", New Construction, Double Hung Fiberglass Window	2,206.13	38.70
		For Colored Vinyl, Add	*212.87*	
		For Tinted Glass, Add	*255.45*	
		For Low-E Insulated Glass, Add	*532.18*	
		For Obscure Glass, Add	*585.40*	
08 54 13 00-0195		**Replacement, Double Hung Fiberglass Windows** *(08 54 13 00-0102)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Fiberglass Window	1,908.39	27.10
		For Colored Vinyl, Add	*185.42*	
		For Tinted Glass, Add	*222.51*	
		For Low-E Insulated Glass, Add	*463.55*	
		For Obscure Glass, Add	*509.91*	
08 54 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Fiberglass Window	2,107.38	29.67
		For Colored Vinyl, Add	*204.80*	
		For Tinted Glass, Add	*245.76*	
		For Low-E Insulated Glass, Add	*512.01*	
		For Obscure Glass, Add	*563.21*	
08 54 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Fiberglass Window	2,291.74	32.25
		For Colored Vinyl, Add	*222.72*	
		For Tinted Glass, Add	*267.27*	
		For Low-E Insulated Glass, Add	*556.81*	
		For Obscure Glass, Add	*612.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Fiberglass Window	2,415.19	34.83
		For Colored Vinyl, Add	*234.55*	
		For Tinted Glass, Add	*281.46*	
		For Low-E Insulated Glass, Add	*586.38*	
		For Obscure Glass, Add	*645.02*	
08 54 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Fiberglass Window	2,549.53	37.42
		For Colored Vinyl, Add	*247.47*	
		For Tinted Glass, Add	*296.97*	
		For Low-E Insulated Glass, Add	*618.68*	
		For Obscure Glass, Add	*680.55*	
08 54 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Fiberglass Window	2,779.70	39.99
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0202	UI	>120" UI, Replacement, Double Hung Fiberglass Window	23.14	0.34
		For Colored Vinyl, Add	*2.25*	
		For Tinted Glass, Add	*2.70*	
		For Low-E Insulated Glass, Add	*5.62*	
		For Obscure Glass, Add	*6.18*	

08 54 13 00-0203 Casement Fiberglass Windows *(08 54 13)*

08 54 13 00-0204 New Construction, Casement Fiberglass Windows *(08 54 13 00-0203)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0205 One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*

08 54 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,435.85	19.61
		For Colored Vinyl, Add	*139.72*	
		For Tinted Glass, Add	*167.66*	
		For Low-E Insulated Glass, Add	*349.29*	
		For Obscure Glass, Add	*384.22*	
08 54 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,484.58	20.12
		For Colored Vinyl, Add	*144.43*	
		For Tinted Glass, Add	*173.32*	
		For Low-E Insulated Glass, Add	*361.08*	
		For Obscure Glass, Add	*397.19*	
08 54 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,533.83	21.15
		For Colored Vinyl, Add	*149.15*	
		For Tinted Glass, Add	*178.98*	
		For Low-E Insulated Glass, Add	*372.88*	
		For Obscure Glass, Add	*410.17*	
08 54 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,635.06	22.19
		For Colored Vinyl, Add	*159.07*	
		For Tinted Glass, Add	*190.88*	
		For Low-E Insulated Glass, Add	*397.67*	
		For Obscure Glass, Add	*437.44*	

08 54 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,525.73	20.64
		For Colored Vinyl, Add	*148.50*	
		For Tinted Glass, Add	*178.20*	
		For Low-E Insulated Glass, Add	*371.24*	
		For Obscure Glass, Add	*408.37*	
08 54 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,579.85	21.15
		For Colored Vinyl, Add	*153.75*	
		For Tinted Glass, Add	*184.50*	
		For Low-E Insulated Glass, Add	*384.38*	
		For Obscure Glass, Add	*422.82*	
08 54 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,634.33	22.19
		For Colored Vinyl, Add	*159.00*	
		For Tinted Glass, Add	*190.79*	
		For Low-E Insulated Glass, Add	*397.49*	
		For Obscure Glass, Add	*437.24*	
08 54 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,741.88	23.22
		For Colored Vinyl, Add	*169.54*	
		For Tinted Glass, Add	*203.45*	
		For Low-E Insulated Glass, Add	*423.86*	
		For Obscure Glass, Add	*466.25*	

08 54 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,623.71	22.19
		For Colored Vinyl, Add	*157.93*	
		For Tinted Glass, Add	*189.52*	
		For Low-E Insulated Glass, Add	*394.83*	
		For Obscure Glass, Add	*434.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,680.44	23.22
		For Colored Vinyl, Add	*163.45*	
		For Tinted Glass, Add	*196.14*	
		For Low-E Insulated Glass, Add	*408.63*	
		For Obscure Glass, Add	*449.49*	
08 54 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,737.76	24.00
		For Colored Vinyl, Add	*168.98*	
		For Tinted Glass, Add	*202.77*	
		For Low-E Insulated Glass, Add	*422.44*	
		For Obscure Glass, Add	*464.69*	
08 54 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,850.47	25.03
		For Colored Vinyl, Add	*180.04*	
		For Tinted Glass, Add	*216.05*	
		For Low-E Insulated Glass, Add	*450.11*	
		For Obscure Glass, Add	*495.12*	

08 54 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,717.32	23.74
		For Colored Vinyl, Add	*167.04*	
		For Tinted Glass, Add	*200.44*	
		For Low-E Insulated Glass, Add	*417.59*	
		For Obscure Glass, Add	*459.35*	
08 54 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,777.74	24.25
		For Colored Vinyl, Add	*172.92*	
		For Tinted Glass, Add	*207.51*	
		For Low-E Insulated Glass, Add	*432.31*	
		For Obscure Glass, Add	*475.54*	
08 54 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,838.77	25.29
		For Colored Vinyl, Add	*178.82*	
		For Tinted Glass, Add	*214.58*	
		For Low-E Insulated Glass, Add	*447.05*	
		For Obscure Glass, Add	*491.76*	
08 54 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,961.89	26.32
		For Colored Vinyl, Add	*190.93*	
		For Tinted Glass, Add	*229.11*	
		For Low-E Insulated Glass, Add	*477.31*	
		For Obscure Glass, Add	*525.04*	

08 54 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,813.33	25.80
		For Colored Vinyl, Add	*176.23*	
		For Tinted Glass, Add	*211.47*	
		For Low-E Insulated Glass, Add	*440.56*	
		For Obscure Glass, Add	*484.62*	
08 54 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,876.97	26.32
		For Colored Vinyl, Add	*182.43*	
		For Tinted Glass, Add	*218.92*	
		For Low-E Insulated Glass, Add	*456.08*	
		For Obscure Glass, Add	*501.69*	
08 54 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,941.34	27.35
		For Colored Vinyl, Add	*188.66*	
		For Tinted Glass, Add	*226.40*	
		For Low-E Insulated Glass, Add	*471.66*	
		For Obscure Glass, Add	*518.83*	
08 54 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,078.18	28.38
		For Colored Vinyl, Add	*202.14*	
		For Tinted Glass, Add	*242.57*	
		For Low-E Insulated Glass, Add	*505.36*	
		For Obscure Glass, Add	*555.89*	

08 54 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*

08 54 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,906.78	26.83
		For Colored Vinyl, Add	*185.36*	
		For Tinted Glass, Add	*222.44*	
		For Low-E Insulated Glass, Add	*463.41*	
		For Obscure Glass, Add	*509.75*	
08 54 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,974.85	27.35
		For Colored Vinyl, Add	*192.02*	
		For Tinted Glass, Add	*230.42*	
		For Low-E Insulated Glass, Add	*480.04*	
		For Obscure Glass, Add	*528.04*	
08 54 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,043.21	28.38
		For Colored Vinyl, Add	*198.65*	
		For Tinted Glass, Add	*238.37*	
		For Low-E Insulated Glass, Add	*496.61*	
		For Obscure Glass, Add	*546.27*	
08 54 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,182.75	29.42
		For Colored Vinyl, Add	*212.39*	
		For Tinted Glass, Add	*254.87*	
		For Low-E Insulated Glass, Add	*530.98*	
		For Obscure Glass, Add	*584.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0236		60" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,001.85	28.38
		For Colored Vinyl, Add	*194.51*	
		For Tinted Glass, Add	*233.41*	
		For Low-E Insulated Glass, Add	*486.27*	
		For Obscure Glass, Add	*534.90*	
08 54 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,074.06	29.42
		For Colored Vinyl, Add	*201.58*	
		For Tinted Glass, Add	*241.89*	
		For Low-E Insulated Glass, Add	*503.94*	
		For Obscure Glass, Add	*554.33*	
08 54 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,146.86	30.18
		For Colored Vinyl, Add	*208.65*	
		For Tinted Glass, Add	*250.38*	
		For Low-E Insulated Glass, Add	*521.62*	
		For Obscure Glass, Add	*573.78*	
08 54 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,288.80	31.22
		For Colored Vinyl, Add	*222.64*	
		For Tinted Glass, Add	*267.16*	
		For Low-E Insulated Glass, Add	*556.59*	
		For Obscure Glass, Add	*612.25*	
08 54 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,093.71	29.93
		For Colored Vinyl, Add	*203.44*	
		For Tinted Glass, Add	*244.12*	
		For Low-E Insulated Glass, Add	*508.59*	
		For Obscure Glass, Add	*559.45*	
08 54 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,168.10	30.44
		For Colored Vinyl, Add	*210.72*	
		For Tinted Glass, Add	*252.87*	
		For Low-E Insulated Glass, Add	*526.80*	
		For Obscure Glass, Add	*579.48*	
08 54 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,246.65	31.47
		For Colored Vinyl, Add	*218.37*	
		For Tinted Glass, Add	*262.04*	
		For Low-E Insulated Glass, Add	*545.92*	
		For Obscure Glass, Add	*600.51*	
08 54 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,385.01	32.51
		For Colored Vinyl, Add	*232.00*	
		For Tinted Glass, Add	*278.40*	
		For Low-E Insulated Glass, Add	*580.00*	
		For Obscure Glass, Add	*638.00*	
08 54 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0205)*		
08 54 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,202.81	31.47
		For Colored Vinyl, Add	*213.99*	
		For Tinted Glass, Add	*256.78*	
		For Low-E Insulated Glass, Add	*534.96*	
		For Obscure Glass, Add	*588.46*	
08 54 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,281.78	32.51
		For Colored Vinyl, Add	*221.73*	
		For Tinted Glass, Add	*266.07*	
		For Low-E Insulated Glass, Add	*554.32*	
		For Obscure Glass, Add	*609.75*	
08 54 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,356.26	33.28
		For Colored Vinyl, Add	*228.97*	
		For Tinted Glass, Add	*274.76*	
		For Low-E Insulated Glass, Add	*572.42*	
		For Obscure Glass, Add	*629.66*	
08 54 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,492.74	34.32
		For Colored Vinyl, Add	*242.41*	
		For Tinted Glass, Add	*290.89*	
		For Low-E Insulated Glass, Add	*606.03*	
		For Obscure Glass, Add	*666.63*	
08 54 13 00-0251		Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*		
08 54 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,086.05	26.32
		For Colored Vinyl, Add	*303.34*	
		For Tinted Glass, Add	*364.01*	
		For Low-E Insulated Glass, Add	*758.35*	
		For Obscure Glass, Add	*834.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,184.89	28.38
		For Colored Vinyl, Add	*312.86*	
		For Tinted Glass, Add	*375.44*	
		For Low-E Insulated Glass, Add	*782.16*	
		For Obscure Glass, Add	*860.38*	
08 54 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,284.32	30.44
		For Colored Vinyl, Add	*322.40*	
		For Tinted Glass, Add	*386.87*	
		For Low-E Insulated Glass, Add	*805.99*	
		For Obscure Glass, Add	*886.59*	
08 54 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,401.58	32.25
		For Colored Vinyl, Add	*333.71*	
		For Tinted Glass, Add	*400.45*	
		For Low-E Insulated Glass, Add	*834.27*	
		For Obscure Glass, Add	*917.70*	

08 54 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*

08 54 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,272.04	27.61
		For Colored Vinyl, Add	*321.68*	
		For Tinted Glass, Add	*386.02*	
		For Low-E Insulated Glass, Add	*804.21*	
		For Obscure Glass, Add	*884.63*	
08 54 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,378.74	29.42
		For Colored Vinyl, Add	*331.99*	
		For Tinted Glass, Add	*398.39*	
		For Low-E Insulated Glass, Add	*829.98*	
		For Obscure Glass, Add	*912.98*	
08 54 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,486.04	31.47
		For Colored Vinyl, Add	*342.31*	
		For Tinted Glass, Add	*410.77*	
		For Low-E Insulated Glass, Add	*855.77*	
		For Obscure Glass, Add	*941.35*	
08 54 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,598.48	33.54
		For Colored Vinyl, Add	*353.14*	
		For Tinted Glass, Add	*423.77*	
		For Low-E Insulated Glass, Add	*882.85*	
		For Obscure Glass, Add	*971.14*	

08 54 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*

08 54 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,463.31	29.67
		For Colored Vinyl, Add	*340.40*	
		For Tinted Glass, Add	*408.48*	
		For Low-E Insulated Glass, Add	*850.99*	
		For Obscure Glass, Add	*936.09*	
08 54 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,575.61	31.47
		For Colored Vinyl, Add	*351.27*	
		For Tinted Glass, Add	*421.52*	
		For Low-E Insulated Glass, Add	*878.16*	
		For Obscure Glass, Add	*965.98*	
08 54 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,688.63	33.54
		For Colored Vinyl, Add	*362.16*	
		For Tinted Glass, Add	*434.59*	
		For Low-E Insulated Glass, Add	*905.39*	
		For Obscure Glass, Add	*995.93*	
08 54 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,814.24	35.61
		For Colored Vinyl, Add	*374.30*	
		For Tinted Glass, Add	*449.16*	
		For Low-E Insulated Glass, Add	*935.76*	
		For Obscure Glass, Add	*1,029.33*	

08 54 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*

08 54 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,651.98	30.71
		For Colored Vinyl, Add	*359.06*	
		For Tinted Glass, Add	*430.87*	
		For Low-E Insulated Glass, Add	*897.65*	
		For Obscure Glass, Add	*987.41*	
08 54 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,771.91	32.51
		For Colored Vinyl, Add	*370.69*	
		For Tinted Glass, Add	*444.83*	
		For Low-E Insulated Glass, Add	*926.73*	
		For Obscure Glass, Add	*1,019.40*	
08 54 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,892.30	34.57
		For Colored Vinyl, Add	*382.32*	
		For Tinted Glass, Add	*458.78*	
		For Low-E Insulated Glass, Add	*955.79*	
		For Obscure Glass, Add	*1,051.37*	
08 54 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,020.53	36.64
		For Colored Vinyl, Add	*394.73*	
		For Tinted Glass, Add	*473.67*	
		For Low-E Insulated Glass, Add	*986.81*	
		For Obscure Glass, Add	*1,085.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,842.28	32.51
		For Colored Vinyl, Add	*377.73*	
		For Tinted Glass, Add	*453.27*	
		For Low-E Insulated Glass, Add	*944.32*	
		For Obscure Glass, Add	*1,038.75*	
08 54 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,969.71	34.57
		For Colored Vinyl, Add	*390.11*	
		For Tinted Glass, Add	*468.13*	
		For Low-E Insulated Glass, Add	*975.27*	
		For Obscure Glass, Add	*1,072.80*	
08 54 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,097.50	36.64
		For Colored Vinyl, Add	*402.47*	
		For Tinted Glass, Add	*482.97*	
		For Low-E Insulated Glass, Add	*1,006.19*	
		For Obscure Glass, Add	*1,106.80*	
08 54 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,228.21	38.44
		For Colored Vinyl, Add	*415.13*	
		For Tinted Glass, Add	*498.16*	
		For Low-E Insulated Glass, Add	*1,037.83*	
		For Obscure Glass, Add	*1,141.61*	
08 54 13 00-0277		64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,037.60	33.80
		For Colored Vinyl, Add	*397.00*	
		For Tinted Glass, Add	*476.40*	
		For Low-E Insulated Glass, Add	*992.50*	
		For Obscure Glass, Add	*1,091.75*	
08 54 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,165.02	35.61
		For Colored Vinyl, Add	*409.38*	
		For Tinted Glass, Add	*491.26*	
		For Low-E Insulated Glass, Add	*1,023.45*	
		For Obscure Glass, Add	*1,125.80*	
08 54 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,292.22	37.67
		For Colored Vinyl, Add	*421.69*	
		For Tinted Glass, Add	*506.03*	
		For Low-E Insulated Glass, Add	*1,054.22*	
		For Obscure Glass, Add	*1,159.64*	
08 54 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,423.51	39.74
		For Colored Vinyl, Add	*434.40*	
		For Tinted Glass, Add	*521.28*	
		For Low-E Insulated Glass, Add	*1,086.01*	
		For Obscure Glass, Add	*1,194.61*	
08 54 13 00-0282		72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0251)*		
08 54 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,246.44	35.61
		For Colored Vinyl, Add	*417.52*	
		For Tinted Glass, Add	*501.03*	
		For Low-E Insulated Glass, Add	*1,043.81*	
		For Obscure Glass, Add	*1,148.19*	
08 54 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,373.86	37.67
		For Colored Vinyl, Add	*429.90*	
		For Tinted Glass, Add	*515.88*	
		For Low-E Insulated Glass, Add	*1,074.76*	
		For Obscure Glass, Add	*1,182.24*	
08 54 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,501.80	39.74
		For Colored Vinyl, Add	*442.29*	
		For Tinted Glass, Add	*530.74*	
		For Low-E Insulated Glass, Add	*1,105.71*	
		For Obscure Glass, Add	*1,216.28*	
08 54 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,632.50	41.54
		For Colored Vinyl, Add	*454.94*	
		For Tinted Glass, Add	*545.93*	
		For Low-E Insulated Glass, Add	*1,137.36*	
		For Obscure Glass, Add	*1,251.09*	
08 54 13 00-0287		Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0204)*		
08 54 13 00-0288		36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,791.94	33.54
		For Colored Vinyl, Add	*372.49*	
		For Tinted Glass, Add	*446.98*	
		For Low-E Insulated Glass, Add	*931.22*	
		For Obscure Glass, Add	*1,024.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,953.98	36.12
		For Colored Vinyl, Add	*388.17*	
		For Tinted Glass, Add	*465.81*	
		For Low-E Insulated Glass, Add	*970.44*	
		For Obscure Glass, Add	*1,067.48*	
08 54 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,256.97	39.99
		For Colored Vinyl, Add	*417.70*	
		For Tinted Glass, Add	*501.24*	
		For Low-E Insulated Glass, Add	*1,044.25*	
		For Obscure Glass, Add	*1,148.67*	
08 54 13 00-0292		40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,056.25	35.08
		For Colored Vinyl, Add	*398.66*	
		For Tinted Glass, Add	*478.39*	
		For Low-E Insulated Glass, Add	*996.65*	
		For Obscure Glass, Add	*1,096.31*	
08 54 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,219.88	37.42
		For Colored Vinyl, Add	*414.51*	
		For Tinted Glass, Add	*497.41*	
		For Low-E Insulated Glass, Add	*1,036.27*	
		For Obscure Glass, Add	*1,139.89*	
08 54 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,544.02	41.28
		For Colored Vinyl, Add	*446.15*	
		For Tinted Glass, Add	*535.37*	
		For Low-E Insulated Glass, Add	*1,115.36*	
		For Obscure Glass, Add	*1,226.90*	
08 54 13 00-0296		48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,285.09	37.15
		For Colored Vinyl, Add	*421.08*	
		For Tinted Glass, Add	*505.29*	
		For Low-E Insulated Glass, Add	*1,052.70*	
		For Obscure Glass, Add	*1,157.96*	
08 54 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,491.11	39.47
		For Colored Vinyl, Add	*441.22*	
		For Tinted Glass, Add	*529.46*	
		For Low-E Insulated Glass, Add	*1,103.04*	
		For Obscure Glass, Add	*1,213.34*	
08 54 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,833.42	43.35
		For Colored Vinyl, Add	*474.67*	
		For Tinted Glass, Add	*569.61*	
		For Low-E Insulated Glass, Add	*1,186.68*	
		For Obscure Glass, Add	*1,305.35*	
08 54 13 00-0300		52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,539.86	38.18
		For Colored Vinyl, Add	*446.35*	
		For Tinted Glass, Add	*535.62*	
		For Low-E Insulated Glass, Add	*1,115.87*	
		For Obscure Glass, Add	*1,227.46*	
08 54 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,757.38	40.76
		For Colored Vinyl, Add	*467.59*	
		For Tinted Glass, Add	*561.10*	
		For Low-E Insulated Glass, Add	*1,168.96*	
		For Obscure Glass, Add	*1,285.86*	
08 54 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,162.63	44.38
		For Colored Vinyl, Add	*507.39*	
		For Tinted Glass, Add	*608.87*	
		For Low-E Insulated Glass, Add	*1,268.47*	
		For Obscure Glass, Add	*1,395.32*	
08 54 13 00-0304		60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,796.04	39.99
		For Colored Vinyl, Add	*471.61*	
		For Tinted Glass, Add	*565.93*	
		For Low-E Insulated Glass, Add	*1,179.01*	
		For Obscure Glass, Add	*1,296.91*	
08 54 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,024.60	42.57
		For Colored Vinyl, Add	*493.95*	
		For Tinted Glass, Add	*592.74*	
		For Low-E Insulated Glass, Add	*1,234.87*	
		For Obscure Glass, Add	*1,358.35*	
08 54 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,493.39	46.18
		For Colored Vinyl, Add	*540.10*	
		For Tinted Glass, Add	*648.12*	
		For Low-E Insulated Glass, Add	*1,350.26*	
		For Obscure Glass, Add	*1,485.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0308		64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,083.97	41.28
		For Colored Vinyl, Add	*500.14*	
		For Tinted Glass, Add	*600.17*	
		For Low-E Insulated Glass, Add	*1,250.35*	
		For Obscure Glass, Add	*1,375.39*	
08 54 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,312.38	43.86
		For Colored Vinyl, Add	*522.47*	
		For Tinted Glass, Add	*626.96*	
		For Low-E Insulated Glass, Add	*1,306.17*	
		For Obscure Glass, Add	*1,436.78*	
08 54 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,781.18	47.47
		For Colored Vinyl, Add	*568.62*	
		For Tinted Glass, Add	*682.35*	
		For Low-E Insulated Glass, Add	*1,421.56*	
		For Obscure Glass, Add	*1,563.71*	
08 54 13 00-0312		72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0287)*		
08 54 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,373.58	43.08
		For Colored Vinyl, Add	*528.74*	
		For Tinted Glass, Add	*634.49*	
		For Low-E Insulated Glass, Add	*1,321.85*	
		For Obscure Glass, Add	*1,454.04*	
08 54 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,601.92	45.67
		For Colored Vinyl, Add	*551.06*	
		For Tinted Glass, Add	*661.27*	
		For Low-E Insulated Glass, Add	*1,377.65*	
		For Obscure Glass, Add	*1,515.41*	
08 54 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	6,070.72	49.28
		For Colored Vinyl, Add	*597.22*	
		For Tinted Glass, Add	*716.66*	
		For Low-E Insulated Glass, Add	*1,493.04*	
		For Obscure Glass, Add	*1,642.34*	
08 54 13 00-0316		Replacement, Casement Fiberglass Windows *(08 54 13 00-0203)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0317		One Operating Sash, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*		
08 54 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,890.08	21.93
		For Colored Vinyl, Add	*184.62*	
		For Tinted Glass, Add	*221.55*	
		For Low-E Insulated Glass, Add	*461.56*	
		For Obscure Glass, Add	*507.71*	
08 54 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,152.17	24.51
		For Colored Vinyl, Add	*210.31*	
		For Tinted Glass, Add	*252.38*	
		For Low-E Insulated Glass, Add	*525.79*	
		For Obscure Glass, Add	*578.36*	
08 54 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,385.23	27.10
		For Colored Vinyl, Add	*233.11*	
		For Tinted Glass, Add	*279.73*	
		For Low-E Insulated Glass, Add	*582.76*	
		For Obscure Glass, Add	*641.04*	
08 54 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,589.24	29.67
		For Colored Vinyl, Add	*252.99*	
		For Tinted Glass, Add	*303.59*	
		For Low-E Insulated Glass, Add	*632.47*	
		For Obscure Glass, Add	*695.72*	
08 54 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,764.21	32.25
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,855.03	34.83
		For Colored Vinyl, Add	*278.54*	
		For Tinted Glass, Add	*334.24*	
		For Low-E Insulated Glass, Add	*696.34*	
		For Obscure Glass, Add	*765.97*	
08 54 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	28.23	0.34
		For Colored Vinyl, Add	*2.76*	
		For Tinted Glass, Add	*3.31*	
		For Low-E Insulated Glass, Add	*6.89*	
		For Obscure Glass, Add	*7.58*	
08 54 13 00-0325		Two Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,285.84	27.10
		For Colored Vinyl, Add	*323.17*	
		For Tinted Glass, Add	*387.80*	
		For Low-E Insulated Glass, Add	*807.92*	
		For Obscure Glass, Add	*888.71*	
08 54 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,613.22	29.67
		For Colored Vinyl, Add	*355.39*	
		For Tinted Glass, Add	*426.46*	
		For Low-E Insulated Glass, Add	*888.47*	
		For Obscure Glass, Add	*977.31*	
08 54 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,911.57	32.25
		For Colored Vinyl, Add	*384.71*	
		For Tinted Glass, Add	*461.65*	
		For Low-E Insulated Glass, Add	*961.77*	
		For Obscure Glass, Add	*1,057.94*	
08 54 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,101.10	34.83
		For Colored Vinyl, Add	*403.14*	
		For Tinted Glass, Add	*483.77*	
		For Low-E Insulated Glass, Add	*1,007.86*	
		For Obscure Glass, Add	*1,108.64*	
08 54 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,305.81	37.42
		For Colored Vinyl, Add	*423.10*	
		For Tinted Glass, Add	*507.72*	
		For Low-E Insulated Glass, Add	*1,057.75*	
		For Obscure Glass, Add	*1,163.52*	
08 54 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,521.45	39.99
		For Colored Vinyl, Add	*444.15*	
		For Tinted Glass, Add	*532.98*	
		For Low-E Insulated Glass, Add	*1,110.37*	
		For Obscure Glass, Add	*1,221.40*	
08 54 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	37.68	0.34
		For Colored Vinyl, Add	*3.70*	
		For Tinted Glass, Add	*4.44*	
		For Low-E Insulated Glass, Add	*9.25*	
		For Obscure Glass, Add	*10.18*	

08 54 13 00-0333 Three Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0316)*

08 54 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,444.76	27.10
		For Colored Vinyl, Add	*339.06*	
		For Tinted Glass, Add	*406.87*	
		For Low-E Insulated Glass, Add	*847.65*	
		For Obscure Glass, Add	*932.41*	
08 54 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,789.59	29.67
		For Colored Vinyl, Add	*373.02*	
		For Tinted Glass, Add	*447.63*	
		For Low-E Insulated Glass, Add	*932.56*	
		For Obscure Glass, Add	*1,025.82*	
08 54 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,114.04	32.25
		For Colored Vinyl, Add	*404.95*	
		For Tinted Glass, Add	*485.94*	
		For Low-E Insulated Glass, Add	*1,012.39*	
		For Obscure Glass, Add	*1,113.62*	
08 54 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,320.95	34.83
		For Colored Vinyl, Add	*425.13*	
		For Tinted Glass, Add	*510.15*	
		For Low-E Insulated Glass, Add	*1,062.82*	
		For Obscure Glass, Add	*1,169.10*	
08 54 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,545.29	37.42
		For Colored Vinyl, Add	*447.05*	
		For Tinted Glass, Add	*536.46*	
		For Low-E Insulated Glass, Add	*1,117.62*	
		For Obscure Glass, Add	*1,229.38*	
08 54 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,782.73	39.99
		For Colored Vinyl, Add	*470.27*	
		For Tinted Glass, Add	*564.33*	
		For Low-E Insulated Glass, Add	*1,175.69*	
		For Obscure Glass, Add	*1,293.25*	
08 54 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	39.87	0.34
		For Colored Vinyl, Add	*3.92*	
		For Tinted Glass, Add	*4.70*	
		For Low-E Insulated Glass, Add	*9.80*	
		For Obscure Glass, Add	*10.78*	

08 54 13 00-0341 Awning Fiberglass Windows *(08 54 13)*

08 54 13 00-0342 New Construction, Awning Fiberglass Windows *(08 54 13 00-0341)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0343 Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0342)*

08 54 13 00-0344 17" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Fiberglass Window	1,917.18	21.15
		For Colored Vinyl, Add	*187.49*	
		For Tinted Glass, Add	*224.98*	
		For Low-E Insulated Glass, Add	*468.72*	
		For Obscure Glass, Add	*515.59*	
08 54 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Fiberglass Window	2,006.33	22.19
		For Colored Vinyl, Add	*196.20*	
		For Tinted Glass, Add	*235.43*	
		For Low-E Insulated Glass, Add	*490.49*	
		For Obscure Glass, Add	*539.54*	
08 54 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Fiberglass Window	2,140.59	24.00
		For Colored Vinyl, Add	*209.26*	
		For Tinted Glass, Add	*251.11*	
		For Low-E Insulated Glass, Add	*523.15*	
		For Obscure Glass, Add	*575.47*	
08 54 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Fiberglass Window	2,225.32	25.29
		For Colored Vinyl, Add	*217.48*	
		For Tinted Glass, Add	*260.97*	
		For Low-E Insulated Glass, Add	*543.69*	
		For Obscure Glass, Add	*598.06*	
08 54 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Fiberglass Window	2,364.96	27.35
		For Colored Vinyl, Add	*231.03*	
		For Tinted Glass, Add	*277.23*	
		For Low-E Insulated Glass, Add	*577.57*	
		For Obscure Glass, Add	*635.32*	

08 54 13 00-0350 20" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

08 54 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Fiberglass Window	2,027.55	22.19
		For Colored Vinyl, Add	*198.37*	
		For Tinted Glass, Add	*238.04*	
		For Low-E Insulated Glass, Add	*495.92*	
		For Obscure Glass, Add	*545.51*	
08 54 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Fiberglass Window	2,116.72	23.22
		For Colored Vinyl, Add	*207.08*	
		For Tinted Glass, Add	*248.49*	
		For Low-E Insulated Glass, Add	*517.70*	
		For Obscure Glass, Add	*569.47*	
08 54 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Fiberglass Window	2,263.04	24.77
		For Colored Vinyl, Add	*221.35*	
		For Tinted Glass, Add	*265.62*	
		For Low-E Insulated Glass, Add	*553.38*	
		For Obscure Glass, Add	*608.71*	
08 54 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Fiberglass Window	2,347.90	26.32
		For Colored Vinyl, Add	*229.58*	
		For Tinted Glass, Add	*275.49*	
		For Low-E Insulated Glass, Add	*573.95*	
		For Obscure Glass, Add	*631.34*	
08 54 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Fiberglass Window	2,499.48	28.12
		For Colored Vinyl, Add	*244.32*	
		For Tinted Glass, Add	*293.19*	
		For Low-E Insulated Glass, Add	*610.81*	
		For Obscure Glass, Add	*671.89*	

08 54 13 00-0356 24" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

08 54 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Fiberglass Window	2,090.04	23.22
		For Colored Vinyl, Add	*204.41*	
		For Tinted Glass, Add	*245.29*	
		For Low-E Insulated Glass, Add	*511.03*	
		For Obscure Glass, Add	*562.13*	
08 54 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Fiberglass Window	2,179.19	24.25
		For Colored Vinyl, Add	*213.12*	
		For Tinted Glass, Add	*255.74*	
		For Low-E Insulated Glass, Add	*532.80*	
		For Obscure Glass, Add	*586.08*	
08 54 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Fiberglass Window	2,331.54	25.80
		For Colored Vinyl, Add	*227.99*	
		For Tinted Glass, Add	*273.59*	
		For Low-E Insulated Glass, Add	*569.99*	
		For Obscure Glass, Add	*626.98*	
08 54 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Fiberglass Window	2,426.16	27.35
		For Colored Vinyl, Add	*237.20*	
		For Tinted Glass, Add	*284.64*	
		For Low-E Insulated Glass, Add	*593.00*	
		For Obscure Glass, Add	*652.29*	
08 54 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Fiberglass Window	2,580.20	29.15
		For Colored Vinyl, Add	*252.19*	
		For Tinted Glass, Add	*302.63*	
		For Low-E Insulated Glass, Add	*630.47*	
		For Obscure Glass, Add	*693.52*	

08 54 13 00-0362 28" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Fiberglass Window	2,152.58	24.25
		For Colored Vinyl, Add	*210.46*	
		For Tinted Glass, Add	*252.55*	
		For Low-E Insulated Glass, Add	*526.15*	
		For Obscure Glass, Add	*578.76*	
08 54 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Fiberglass Window	2,241.74	25.29
		For Colored Vinyl, Add	*219.17*	
		For Tinted Glass, Add	*263.00*	
		For Low-E Insulated Glass, Add	*547.92*	
		For Obscure Glass, Add	*602.71*	
08 54 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Fiberglass Window	2,400.21	26.83
		For Colored Vinyl, Add	*234.65*	
		For Tinted Glass, Add	*281.58*	
		For Low-E Insulated Glass, Add	*586.64*	
		For Obscure Glass, Add	*645.30*	
08 54 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Fiberglass Window	2,503.84	28.38
		For Colored Vinyl, Add	*244.76*	
		For Tinted Glass, Add	*293.71*	
		For Low-E Insulated Glass, Add	*611.90*	
		For Obscure Glass, Add	*673.09*	
08 54 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Fiberglass Window	2,660.92	30.18
		For Colored Vinyl, Add	*260.06*	
		For Tinted Glass, Add	*312.07*	
		For Low-E Insulated Glass, Add	*650.14*	
		For Obscure Glass, Add	*715.15*	

08 54 13 00-0368 36" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0343)*

08 54 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Fiberglass Window	2,536.79	28.64
		For Colored Vinyl, Add	*247.95*	
		For Tinted Glass, Add	*297.54*	
		For Low-E Insulated Glass, Add	*619.88*	
		For Obscure Glass, Add	*681.87*	
08 54 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Fiberglass Window	2,640.56	29.93
		For Colored Vinyl, Add	*258.07*	
		For Tinted Glass, Add	*309.68*	
		For Low-E Insulated Glass, Add	*645.18*	
		For Obscure Glass, Add	*709.69*	
08 54 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Fiberglass Window	2,809.72	32.00
		For Colored Vinyl, Add	*274.57*	
		For Tinted Glass, Add	*329.49*	
		For Low-E Insulated Glass, Add	*686.43*	
		For Obscure Glass, Add	*755.08*	

08 54 13 00-0372 Replacement, Awning Fiberglass Windows *(08 54 13 00-0341)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0373	EA	Up To 53" UI, Replacement, Awning Fiberglass Window	2,005.52	21.93
		For Colored Vinyl, Add	*196.17*	
		For Tinted Glass, Add	*235.40*	
		For Low-E Insulated Glass, Add	*490.42*	
		For Obscure Glass, Add	*539.46*	
08 54 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Fiberglass Window	2,335.08	24.51
		For Colored Vinyl, Add	*228.61*	
		For Tinted Glass, Add	*274.33*	
		For Low-E Insulated Glass, Add	*571.51*	
		For Obscure Glass, Add	*628.66*	
08 54 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Fiberglass Window	2,650.08	27.10
		For Colored Vinyl, Add	*259.59*	
		For Tinted Glass, Add	*311.51*	
		For Low-E Insulated Glass, Add	*648.98*	
		For Obscure Glass, Add	*713.87*	
08 54 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Fiberglass Window	2,950.63	29.67
		For Colored Vinyl, Add	*289.13*	
		For Tinted Glass, Add	*346.95*	
		For Low-E Insulated Glass, Add	*722.82*	
		For Obscure Glass, Add	*795.10*	
08 54 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Fiberglass Window	3,236.69	32.25
		For Colored Vinyl, Add	*317.22*	
		For Tinted Glass, Add	*380.66*	
		For Low-E Insulated Glass, Add	*793.05*	
		For Obscure Glass, Add	*872.35*	
08 54 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Fiberglass Window	3,368.07	34.83
		For Colored Vinyl, Add	*329.84*	
		For Tinted Glass, Add	*395.81*	
		For Low-E Insulated Glass, Add	*824.60*	
		For Obscure Glass, Add	*907.06*	
08 54 13 00-0379	UI	>101" UI, Replacement, Awning Fiberglass Window	33.32	0.34
		For Colored Vinyl, Add	*3.26*	
		For Tinted Glass, Add	*3.92*	
		For Low-E Insulated Glass, Add	*8.16*	
		For Obscure Glass, Add	*8.98*	

08 54 13 00-0380 Horizontal Sliding Fiberglass Windows *(08 54 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0381		New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0380)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0382		20" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Fiberglass Window	926.30	25.29
		For Colored Vinyl, Add	*87.63*	
		For Tinted Glass, Add	*105.15*	
		For Low-E Insulated Glass, Add	*219.06*	
		For Obscure Glass, Add	*240.97*	
08 54 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,018.43	28.38
		For Colored Vinyl, Add	*96.22*	
		For Tinted Glass, Add	*115.46*	
		For Low-E Insulated Glass, Add	*240.55*	
		For Obscure Glass, Add	*264.60*	
08 54 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,064.50	29.67
		For Colored Vinyl, Add	*100.52*	
		For Tinted Glass, Add	*120.62*	
		For Low-E Insulated Glass, Add	*251.29*	
		For Obscure Glass, Add	*276.42*	
08 54 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,110.56	31.22
		For Colored Vinyl, Add	*104.81*	
		For Tinted Glass, Add	*125.77*	
		For Low-E Insulated Glass, Add	*262.03*	
		For Obscure Glass, Add	*288.23*	
08 54 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,141.19	32.51
		For Colored Vinyl, Add	*107.67*	
		For Tinted Glass, Add	*129.20*	
		For Low-E Insulated Glass, Add	*269.17*	
		For Obscure Glass, Add	*296.09*	
08 54 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,202.68	34.32
		For Colored Vinyl, Add	*113.41*	
		For Tinted Glass, Add	*136.09*	
		For Low-E Insulated Glass, Add	*283.51*	
		For Obscure Glass, Add	*311.86*	
08 54 13 00-0389		24" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Fiberglass Window	976.71	26.32
		For Colored Vinyl, Add	*92.46*	
		For Tinted Glass, Add	*110.95*	
		For Low-E Insulated Glass, Add	*231.15*	
		For Obscure Glass, Add	*254.27*	
08 54 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,072.77	29.42
		For Colored Vinyl, Add	*101.45*	
		For Tinted Glass, Add	*121.74*	
		For Low-E Insulated Glass, Add	*253.62*	
		For Obscure Glass, Add	*278.98*	
08 54 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,121.22	30.71
		For Colored Vinyl, Add	*105.98*	
		For Tinted Glass, Add	*127.18*	
		For Low-E Insulated Glass, Add	*264.96*	
		For Obscure Glass, Add	*291.45*	
08 54 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,168.89	32.25
		For Colored Vinyl, Add	*110.44*	
		For Tinted Glass, Add	*132.53*	
		For Low-E Insulated Glass, Add	*276.10*	
		For Obscure Glass, Add	*303.71*	
08 54 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,200.91	33.54
		For Colored Vinyl, Add	*113.43*	
		For Tinted Glass, Add	*136.12*	
		For Low-E Insulated Glass, Add	*283.59*	
		For Obscure Glass, Add	*311.94*	
08 54 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,264.93	35.35
		For Colored Vinyl, Add	*119.42*	
		For Tinted Glass, Add	*143.31*	
		For Low-E Insulated Glass, Add	*298.56*	
		For Obscure Glass, Add	*328.42*	
08 54 13 00-0396		36" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,129.18	29.42
		For Colored Vinyl, Add	*107.09*	
		For Tinted Glass, Add	*128.50*	
		For Low-E Insulated Glass, Add	*267.72*	
		For Obscure Glass, Add	*294.49*	
08 54 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,237.88	32.51
		For Colored Vinyl, Add	*117.34*	
		For Tinted Glass, Add	*140.81*	
		For Low-E Insulated Glass, Add	*293.35*	
		For Obscure Glass, Add	*322.68*	
08 54 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,292.30	33.80
		For Colored Vinyl, Add	*122.47*	
		For Tinted Glass, Add	*146.96*	
		For Low-E Insulated Glass, Add	*306.18*	
		For Obscure Glass, Add	*336.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,346.65	35.35
		For Colored Vinyl, Add	*127.60*	
		For Tinted Glass, Add	*153.12*	
		For Low-E Insulated Glass, Add	*318.99*	
		For Obscure Glass, Add	*350.89*	
08 54 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,382.96	36.12
		For Colored Vinyl, Add	*131.02*	
		For Tinted Glass, Add	*157.22*	
		For Low-E Insulated Glass, Add	*327.55*	
		For Obscure Glass, Add	*360.31*	
08 54 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,455.50	38.44
		For Colored Vinyl, Add	*137.86*	
		For Tinted Glass, Add	*165.43*	
		For Low-E Insulated Glass, Add	*344.65*	
		For Obscure Glass, Add	*379.12*	
08 54 13 00-0403		42" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,205.41	30.96
		For Colored Vinyl, Add	*114.40*	
		For Tinted Glass, Add	*137.28*	
		For Low-E Insulated Glass, Add	*286.00*	
		For Obscure Glass, Add	*314.60*	
08 54 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,320.51	34.06
		For Colored Vinyl, Add	*125.29*	
		For Tinted Glass, Add	*150.35*	
		For Low-E Insulated Glass, Add	*313.23*	
		For Obscure Glass, Add	*344.55*	
08 54 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,378.13	35.35
		For Colored Vinyl, Add	*130.74*	
		For Tinted Glass, Add	*156.89*	
		For Low-E Insulated Glass, Add	*326.86*	
		For Obscure Glass, Add	*359.55*	
08 54 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,435.68	36.89
		For Colored Vinyl, Add	*136.19*	
		For Tinted Glass, Add	*163.43*	
		For Low-E Insulated Glass, Add	*340.47*	
		For Obscure Glass, Add	*374.52*	
08 54 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,473.88	38.18
		For Colored Vinyl, Add	*139.80*	
		For Tinted Glass, Add	*167.76*	
		For Low-E Insulated Glass, Add	*349.51*	
		For Obscure Glass, Add	*384.46*	
08 54 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,550.78	39.99
		For Colored Vinyl, Add	*147.08*	
		For Tinted Glass, Add	*176.49*	
		For Low-E Insulated Glass, Add	*367.70*	
		For Obscure Glass, Add	*404.47*	
08 54 13 00-0410		44" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,230.87	31.47
		For Colored Vinyl, Add	*116.84*	
		For Tinted Glass, Add	*140.21*	
		For Low-E Insulated Glass, Add	*292.11*	
		For Obscure Glass, Add	*321.32*	
08 54 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,348.08	34.57
		For Colored Vinyl, Add	*127.95*	
		For Tinted Glass, Add	*153.53*	
		For Low-E Insulated Glass, Add	*319.86*	
		For Obscure Glass, Add	*351.85*	
08 54 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,406.64	35.86
		For Colored Vinyl, Add	*133.49*	
		For Tinted Glass, Add	*160.19*	
		For Low-E Insulated Glass, Add	*333.73*	
		For Obscure Glass, Add	*367.10*	
08 54 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,465.28	37.42
		For Colored Vinyl, Add	*139.05*	
		For Tinted Glass, Add	*166.86*	
		For Low-E Insulated Glass, Add	*347.62*	
		For Obscure Glass, Add	*382.38*	
08 54 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,504.43	38.70
		For Colored Vinyl, Add	*142.75*	
		For Tinted Glass, Add	*171.30*	
		For Low-E Insulated Glass, Add	*356.89*	
		For Obscure Glass, Add	*392.57*	
08 54 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,582.41	40.51
		For Colored Vinyl, Add	*150.14*	
		For Tinted Glass, Add	*180.17*	
		For Low-E Insulated Glass, Add	*375.35*	
		For Obscure Glass, Add	*412.89*	
08 54 13 00-0417		46" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,256.26	32.00
		For Colored Vinyl, Add	*119.28*	
		For Tinted Glass, Add	*143.13*	
		For Low-E Insulated Glass, Add	*298.20*	
		For Obscure Glass, Add	*328.02*	
08 54 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,375.58	35.08
		For Colored Vinyl, Add	*130.59*	
		For Tinted Glass, Add	*156.71*	
		For Low-E Insulated Glass, Add	*326.48*	
		For Obscure Glass, Add	*359.13*	
08 54 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,435.23	36.38
		For Colored Vinyl, Add	*136.25*	
		For Tinted Glass, Add	*163.50*	
		For Low-E Insulated Glass, Add	*340.62*	
		For Obscure Glass, Add	*374.68*	
08 54 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,494.82	37.93
		For Colored Vinyl, Add	*141.90*	
		For Tinted Glass, Add	*170.28*	
		For Low-E Insulated Glass, Add	*354.74*	
		For Obscure Glass, Add	*390.21*	
08 54 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,534.61	39.22
		For Colored Vinyl, Add	*145.67*	
		For Tinted Glass, Add	*174.80*	
		For Low-E Insulated Glass, Add	*364.17*	
		For Obscure Glass, Add	*400.59*	
08 54 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,614.19	41.03
		For Colored Vinyl, Add	*153.22*	
		For Tinted Glass, Add	*183.86*	
		For Low-E Insulated Glass, Add	*383.04*	
		For Obscure Glass, Add	*421.34*	

08 54 13 00-0424 48" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*

08 54 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,281.72	32.51
		For Colored Vinyl, Add	*121.72*	
		For Tinted Glass, Add	*146.07*	
		For Low-E Insulated Glass, Add	*304.31*	
		For Obscure Glass, Add	*334.74*	
08 54 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,403.14	35.61
		For Colored Vinyl, Add	*133.25*	
		For Tinted Glass, Add	*159.89*	
		For Low-E Insulated Glass, Add	*333.11*	
		For Obscure Glass, Add	*366.42*	
08 54 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,463.81	36.89
		For Colored Vinyl, Add	*139.00*	
		For Tinted Glass, Add	*166.80*	
		For Low-E Insulated Glass, Add	*347.51*	
		For Obscure Glass, Add	*382.26*	
08 54 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,524.42	38.44
		For Colored Vinyl, Add	*144.75*	
		For Tinted Glass, Add	*173.70*	
		For Low-E Insulated Glass, Add	*361.88*	
		For Obscure Glass, Add	*398.07*	
08 54 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,564.94	39.74
		For Colored Vinyl, Add	*148.60*	
		For Tinted Glass, Add	*178.32*	
		For Low-E Insulated Glass, Add	*371.50*	
		For Obscure Glass, Add	*408.65*	
08 54 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,645.98	41.54
		For Colored Vinyl, Add	*156.29*	
		For Tinted Glass, Add	*187.55*	
		For Low-E Insulated Glass, Add	*390.73*	
		For Obscure Glass, Add	*429.80*	

08 54 13 00-0431 50" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*

08 54 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,307.10	33.03
		For Colored Vinyl, Add	*124.16*	
		For Tinted Glass, Add	*148.99*	
		For Low-E Insulated Glass, Add	*310.39*	
		For Obscure Glass, Add	*341.43*	
08 54 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,430.56	36.12
		For Colored Vinyl, Add	*135.88*	
		For Tinted Glass, Add	*163.06*	
		For Low-E Insulated Glass, Add	*339.71*	
		For Obscure Glass, Add	*373.68*	
08 54 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,492.32	37.42
		For Colored Vinyl, Add	*141.75*	
		For Tinted Glass, Add	*170.10*	
		For Low-E Insulated Glass, Add	*354.38*	
		For Obscure Glass, Add	*389.81*	
08 54 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,554.02	38.96
		For Colored Vinyl, Add	*147.61*	
		For Tinted Glass, Add	*177.13*	
		For Low-E Insulated Glass, Add	*369.03*	
		For Obscure Glass, Add	*405.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,595.28	40.25
		For Colored Vinyl, Add	*151.53*	
		For Tinted Glass, Add	*181.83*	
		For Low-E Insulated Glass, Add	*378.82*	
		For Obscure Glass, Add	*416.70*	
08 54 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,677.69	42.06
		For Colored Vinyl, Add	*159.36*	
		For Tinted Glass, Add	*191.23*	
		For Low-E Insulated Glass, Add	*398.40*	
		For Obscure Glass, Add	*438.23*	
08 54 13 00-0438		52" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,332.50	33.54
		For Colored Vinyl, Add	*126.59*	
		For Tinted Glass, Add	*151.91*	
		For Low-E Insulated Glass, Add	*316.48*	
		For Obscure Glass, Add	*348.13*	
08 54 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,458.20	36.64
		For Colored Vinyl, Add	*138.54*	
		For Tinted Glass, Add	*166.25*	
		For Low-E Insulated Glass, Add	*346.36*	
		For Obscure Glass, Add	*381.00*	
08 54 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,520.92	37.93
		For Colored Vinyl, Add	*144.51*	
		For Tinted Glass, Add	*173.41*	
		For Low-E Insulated Glass, Add	*361.27*	
		For Obscure Glass, Add	*397.39*	
08 54 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,583.84	39.47
		For Colored Vinyl, Add	*150.49*	
		For Tinted Glass, Add	*180.59*	
		For Low-E Insulated Glass, Add	*376.22*	
		For Obscure Glass, Add	*413.84*	
08 54 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,625.67	40.76
		For Colored Vinyl, Add	*154.47*	
		For Tinted Glass, Add	*185.36*	
		For Low-E Insulated Glass, Add	*386.17*	
		For Obscure Glass, Add	*424.78*	
08 54 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,709.48	42.57
		For Colored Vinyl, Add	*162.43*	
		For Tinted Glass, Add	*194.92*	
		For Low-E Insulated Glass, Add	*406.09*	
		For Obscure Glass, Add	*446.69*	
08 54 13 00-0445		54" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,357.95	34.06
		For Colored Vinyl, Add	*129.04*	
		For Tinted Glass, Add	*154.84*	
		For Low-E Insulated Glass, Add	*322.59*	
		For Obscure Glass, Add	*354.85*	
08 54 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,485.62	37.15
		For Colored Vinyl, Add	*141.18*	
		For Tinted Glass, Add	*169.42*	
		For Low-E Insulated Glass, Add	*352.96*	
		For Obscure Glass, Add	*388.25*	
08 54 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,549.50	38.44
		For Colored Vinyl, Add	*147.26*	
		For Tinted Glass, Add	*176.71*	
		For Low-E Insulated Glass, Add	*368.15*	
		For Obscure Glass, Add	*404.97*	
08 54 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,613.45	39.99
		For Colored Vinyl, Add	*153.35*	
		For Tinted Glass, Add	*184.02*	
		For Low-E Insulated Glass, Add	*383.37*	
		For Obscure Glass, Add	*421.70*	
08 54 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,656.00	41.28
		For Colored Vinyl, Add	*157.40*	
		For Tinted Glass, Add	*188.88*	
		For Low-E Insulated Glass, Add	*393.49*	
		For Obscure Glass, Add	*432.84*	
08 54 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,741.12	43.08
		For Colored Vinyl, Add	*165.49*	
		For Tinted Glass, Add	*198.59*	
		For Low-E Insulated Glass, Add	*413.74*	
		For Obscure Glass, Add	*455.11*	
08 54 13 00-0452		60" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0381)*		
08 54 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,498.52	35.61
		For Colored Vinyl, Add	*142.78*	
		For Tinted Glass, Add	*171.34*	
		For Low-E Insulated Glass, Add	*356.96*	
		For Obscure Glass, Add	*392.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,568.26	38.70
		For Colored Vinyl, Add	*149.14*	
		For Tinted Glass, Add	*178.96*	
		For Low-E Insulated Glass, Add	*372.84*	
		For Obscure Glass, Add	*410.13*	
08 54 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,635.33	39.99
		For Colored Vinyl, Add	*155.53*	
		For Tinted Glass, Add	*186.64*	
		For Low-E Insulated Glass, Add	*388.84*	
		For Obscure Glass, Add	*427.72*	
08 54 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,702.33	41.54
		For Colored Vinyl, Add	*161.93*	
		For Tinted Glass, Add	*194.31*	
		For Low-E Insulated Glass, Add	*404.81*	
		For Obscure Glass, Add	*445.29*	
08 54 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,747.06	42.83
		For Colored Vinyl, Add	*166.19*	
		For Tinted Glass, Add	*199.43*	
		For Low-E Insulated Glass, Add	*415.48*	
		For Obscure Glass, Add	*457.03*	
08 54 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,836.41	44.64
		For Colored Vinyl, Add	*174.71*	
		For Tinted Glass, Add	*209.66*	
		For Low-E Insulated Glass, Add	*436.78*	
		For Obscure Glass, Add	*480.46*	

08 54 13 00-0459 Replacement, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0380)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window	1,696.47	27.10
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.07*	
		For Low-E Insulated Glass, Add	*410.57*	
		For Obscure Glass, Add	*451.63*	
08 54 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window	1,866.38	29.67
		For Colored Vinyl, Add	*180.70*	
		For Tinted Glass, Add	*216.84*	
		For Low-E Insulated Glass, Add	*451.76*	
		For Obscure Glass, Add	*496.93*	
08 54 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window	2,021.80	32.25
		For Colored Vinyl, Add	*195.73*	
		For Tinted Glass, Add	*234.88*	
		For Low-E Insulated Glass, Add	*489.33*	
		For Obscure Glass, Add	*538.26*	
08 54 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window	2,122.06	34.83
		For Colored Vinyl, Add	*205.24*	
		For Tinted Glass, Add	*246.29*	
		For Low-E Insulated Glass, Add	*513.10*	
		For Obscure Glass, Add	*564.41*	
08 54 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window	2,230.23	37.42
		For Colored Vinyl, Add	*215.54*	
		For Tinted Glass, Add	*258.65*	
		For Low-E Insulated Glass, Add	*538.85*	
		For Obscure Glass, Add	*592.74*	
08 54 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window	2,431.33	39.99
		For Colored Vinyl, Add	*235.13*	
		For Tinted Glass, Add	*282.16*	
		For Low-E Insulated Glass, Add	*587.84*	
		For Obscure Glass, Add	*646.62*	
08 54 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Fiberglass Window	20.31	0.34
		For Colored Vinyl, Add	*1.96*	
		For Tinted Glass, Add	*2.36*	
		For Low-E Insulated Glass, Add	*4.91*	
		For Obscure Glass, Add	*5.40*	

08 54 13 00-0467 Basement Fiberglass Windows *(08 54 13)*

08 54 13 00-0468 New Construction, Basement Fiberglass Windows *(08 54 13 00-0467)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0469	EA	32" x 15", New Construction, Basement Fiberglass Window	912.15	20.64
		For Colored Vinyl, Add	*87.09*	
		For Tinted Glass, Add	*104.50*	
		For Low-E Insulated Glass, Add	*217.72*	
		For Obscure Glass, Add	*239.49*	
08 54 13 00-0470	EA	32" x 20", New Construction, Basement Fiberglass Window	1,013.79	20.64
		For Colored Vinyl, Add	*97.25*	
		For Tinted Glass, Add	*116.70*	
		For Low-E Insulated Glass, Add	*243.13*	
		For Obscure Glass, Add	*267.44*	
08 54 13 00-0471	EA	32" x 23", New Construction, Basement Fiberglass Window	1,071.80	20.64
		For Colored Vinyl, Add	*103.05*	
		For Tinted Glass, Add	*123.66*	
		For Low-E Insulated Glass, Add	*257.63*	
		For Obscure Glass, Add	*283.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0472		Replacement, Basement Fiberglass Windows *(08 54 13 00-0467)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0473	EA	Up To 47" UI, Replacement, Basement Fiberglass Window	1,273.97	20.12
		For Colored Vinyl, Add	*123.37*	
		For Tinted Glass, Add	*148.05*	
		For Low-E Insulated Glass, Add	*308.43*	
		For Obscure Glass, Add	*339.27*	
08 54 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Fiberglass Window	1,403.53	23.22
		For Colored Vinyl, Add	*135.71*	
		For Tinted Glass, Add	*162.85*	
		For Low-E Insulated Glass, Add	*339.27*	
		For Obscure Glass, Add	*373.20*	
08 54 13 00-0475	UI	>55" UI, Replacement, Basement Fiberglass Window	25.33	0.34
		For Colored Vinyl, Add	*2.47*	
		For Tinted Glass, Add	*2.96*	
		For Low-E Insulated Glass, Add	*6.16*	
		For Obscure Glass, Add	*6.78*	

08 54 66 Fiberglass Window Screens *(08 54)*

08 54 66 00-0001		Insect Screens For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0002	EA	Up To 6 SF, Insect Screen For Fiberglass Windows	65.41	4.45
08 54 66 00-0003	EA	>6 To 9 SF, Insect Screen For Fiberglass Windows	99.32	4.45
08 54 66 00-0004	EA	>9 To 12 SF, Insect Screen For Fiberglass Windows	110.63	4.45
08 54 66 00-0005	EA	>12 To 15 SF, Insect Screen For Fiberglass Windows	133.24	4.45
08 54 66 00-0006	EA	>15 To 20 SF, Insect Screen For Fiberglass Windows	184.12	4.45
08 54 66 00-0007	EA	>20 To 25 SF, Insect Screen For Fiberglass Windows	206.73	4.45
08 54 66 00-0008	EA	>25 To 30 SF, Insect Screen For Fiberglass Windows	240.64	4.45
08 54 66 00-0009	EA	>30 To 35 SF, Insect Screen For Fiberglass Windows	263.26	4.45
08 54 66 00-0010	SF	>35 SF, Insect Screen For Fiberglass Windows	8.13	0.09
08 54 66 00-0011		Factory Installed Grilles For Fiberglass Windows *(08 54 66)*		
08 54 66 00-0012		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0013	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	87.05	
08 54 66 00-0014	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	111.93	
08 54 66 00-0015	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	144.15	
08 54 66 00-0016	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	170.15	
08 54 66 00-0017	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	209.15	
08 54 66 00-0018		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*		
08 54 66 00-0019	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	197.85	
08 54 66 00-0020	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	237.42	
08 54 66 00-0021	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	299.60	
08 54 66 00-0022	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	373.08	
08 54 66 00-0023	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	446.57	

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001		Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)* Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,126.05	297.45
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,599.66	322.24
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,814.04	347.03
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	6,085.80	396.61
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	8,032.96	594.91
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	55.01	3.87
08 56 49 00-0003	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	47.90	3.87

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	43.24	2.23
		For Painted Steel, Add	*4.03*	
		For Galvanized Steel, Add	*8.05*	
		For Aluminum, Add	*16.11*	
		For Stainless Steel, Add	*70.47*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	44.39	2.23
		For Painted Steel, Add	*4.14*	
		For Galvanized Steel, Add	*8.28*	
		For Aluminum, Add	*16.57*	
		For Stainless Steel, Add	*72.49*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	49.70	2.23
		For Painted Steel, Add	*4.67*	
		For Galvanized Steel, Add	*9.35*	
		For Aluminum, Add	*18.69*	
		For Stainless Steel, Add	*81.78*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	61.06	2.23
		For Painted Steel, Add	*5.81*	
		For Galvanized Steel, Add	*11.62*	
		For Aluminum, Add	*23.24*	
		For Stainless Steel, Add	*101.66*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	61.32	2.73
		For Painted Steel, Add	*5.74*	
		For Galvanized Steel, Add	*11.47*	
		For Aluminum, Add	*22.94*	
		For Stainless Steel, Add	*100.36*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	63.08	2.73
		For Painted Steel, Add	*5.91*	
		For Galvanized Steel, Add	*11.82*	
		For Aluminum, Add	*23.64*	
		For Stainless Steel, Add	*103.44*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	70.69	2.73
		For Painted Steel, Add	*6.67*	
		For Galvanized Steel, Add	*13.34*	
		For Aluminum, Add	*26.69*	
		For Stainless Steel, Add	*116.76*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	86.63	2.73
		For Painted Steel, Add	*8.27*	
		For Galvanized Steel, Add	*16.53*	
		For Aluminum, Add	*33.06*	
		For Stainless Steel, Add	*144.66*	

08 56 56 00-0012 Wire Cloth Security Screen *(08 56 56)*

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens *(08 56 56 00-0012)*

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	26.49	1.49
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.20*	
		For Stainless Steel, Add	*30.01*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	28.11	1.49
		For Painted Steel, Add	*1.28*	
		For Galvanized Steel, Add	*3.84*	
		For Aluminum, Add	*7.69*	
		For Stainless Steel, Add	*32.04*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	30.65	1.49
		For Painted Steel, Add	*1.41*	
		For Galvanized Steel, Add	*4.23*	
		For Aluminum, Add	*8.45*	
		For Stainless Steel, Add	*35.21*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	35.50	1.49
		For Painted Steel, Add	*1.65*	
		For Galvanized Steel, Add	*4.95*	
		For Aluminum, Add	*9.91*	
		For Stainless Steel, Add	*41.28*	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens *(08 56 56 00-0012)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	37.19	1.98
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.13*	
		For Aluminum, Add	*10.27*	
		For Stainless Steel, Add	*42.78*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	39.68	1.98
		For Painted Steel, Add	*1.84*	
		For Galvanized Steel, Add	*5.51*	
		For Aluminum, Add	*11.01*	
		For Stainless Steel, Add	*45.89*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	43.14	1.98
		For Painted Steel, Add	*2.01*	
		For Galvanized Steel, Add	*6.03*	
		For Aluminum, Add	*12.05*	
		For Stainless Steel, Add	*50.21*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	50.07	1.98
		For Painted Steel, Add	*2.36*	
		For Galvanized Steel, Add	*7.07*	
		For Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*58.88*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	51.33	3.72
		For Painted Steel, Add	*2.34*	
		For Galvanized Steel, Add	*7.03*	
		For Aluminum, Add	*14.06*	
		For Stainless Steel, Add	*58.59*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	59.01	4.46
		For Painted Steel, Add	*2.68*	
		For Galvanized Steel, Add	*8.03*	
		For Aluminum, Add	*16.07*	
		For Stainless Steel, Add	*66.95*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	64.86	5.45
		For Painted Steel, Add	*2.92*	
		For Galvanized Steel, Add	*8.76*	
		For Aluminum, Add	*17.52*	
		For Stainless Steel, Add	*73.01*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	74.65	6.45
		For Painted Steel, Add	*3.34*	
		For Galvanized Steel, Add	*10.01*	
		For Aluminum, Add	*20.02*	
		For Stainless Steel, Add	*83.40*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	69.32	6.20
		For Painted Steel, Add	*3.09*	
		For Galvanized Steel, Add	*9.28*	
		For Aluminum, Add	*18.56*	
		For Stainless Steel, Add	*77.35*	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	87.23	7.93
		For Painted Steel, Add	*3.89*	
		For Galvanized Steel, Add	*11.67*	
		For Aluminum, Add	*23.34*	
		For Stainless Steel, Add	*97.26*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	35.02	4.46
		For Painted Steel, Add	*1.48*	
		For Galvanized Steel, Add	*4.44*	
		For Aluminum, Add	*8.87*	
		For Stainless Steel, Add	*36.96*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	82.87	5.45
		For Painted Steel, Add	*3.82*	
		For Galvanized Steel, Add	*11.46*	
		For Aluminum, Add	*22.93*	
		For Stainless Steel, Add	*95.53*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	90.79	6.20
		For Painted Steel, Add	*4.17*	
		For Galvanized Steel, Add	*12.50*	
		For Aluminum, Add	*25.01*	
		For Stainless Steel, Add	*104.19*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	96.62	6.94
		For Painted Steel, Add	*4.41*	
		For Galvanized Steel, Add	*13.23*	
		For Aluminum, Add	*26.46*	
		For Stainless Steel, Add	*110.25*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	104.50	7.93
		For Painted Steel, Add	*4.75*	
		For Galvanized Steel, Add	*14.26*	
		For Aluminum, Add	*28.52*	
		For Stainless Steel, Add	*118.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	121.23	8.67
		For Painted Steel, Add	*5.54*	
		For Galvanized Steel, Add	*16.62*	
		For Aluminum, Add	*33.25*	
		For Stainless Steel, Add	*138.53*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	49.61	2.23
		For Painted Steel, Add	*2.33*	
		For Galvanized Steel, Add	*7.00*	
		For Aluminum, Add	*13.99*	
		For Stainless Steel, Add	*46.64*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	51.45	2.23
		For Painted Steel, Add	*2.42*	
		For Galvanized Steel, Add	*7.27*	
		For Aluminum, Add	*14.54*	
		For Stainless Steel, Add	*48.48*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	57.69	2.23
		For Painted Steel, Add	*2.74*	
		For Galvanized Steel, Add	*8.21*	
		For Aluminum, Add	*16.42*	
		For Stainless Steel, Add	*54.72*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	69.46	2.23
		For Painted Steel, Add	*3.32*	
		For Galvanized Steel, Add	*9.97*	
		For Aluminum, Add	*19.95*	
		For Stainless Steel, Add	*66.49*	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen *(08 56 56 00-0038)*

08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	70.23	2.73
		For Painted Steel, Add	*3.31*	
		For Galvanized Steel, Add	*9.94*	
		For Aluminum, Add	*19.88*	
		For Stainless Steel, Add	*66.26*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	73.46	2.73
		For Painted Steel, Add	*3.47*	
		For Galvanized Steel, Add	*10.42*	
		For Aluminum, Add	*20.85*	
		For Stainless Steel, Add	*69.49*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	81.55	2.73
		For Painted Steel, Add	*3.88*	
		For Galvanized Steel, Add	*11.64*	
		For Aluminum, Add	*23.27*	
		For Stainless Steel, Add	*77.58*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	98.40	2.73
		For Painted Steel, Add	*4.72*	
		For Galvanized Steel, Add	*14.16*	
		For Aluminum, Add	*28.33*	
		For Stainless Steel, Add	*94.43*	

08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards *(08 56 56)*

08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	6.32	

08 56 59 Service and Teller Window Units *(08 56)*

08 56 59 00-0001 Communicator For Window *(08 56 59)*

08 56 59 00-0002	EA	Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350) Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,508.97	99.15
08 56 59 00-0003	EA	Electronic Two-Way Audio Communicator (Haven SC-300) Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,147.05	99.15
08 56 59 00-0004	EA	Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1)	1,921.98	99.15

08 56 59 00-0005 Speak-Thru Communicator For Window *(08 56 59)*

08 56 59 00-0006	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	125.20	
08 56 59 00-0007	EA	6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	203.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 59 00-0008		Counter Drop-In Deal Tray *(08 56 59)*		
08 56 59 00-0009	EA	16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	401.86	19.61

08 60 Roof Windows and Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,170.94	96.43
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,063.17*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,243.84	98.84
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,063.65*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,314.47	101.26
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,064.13*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,416.87	103.66
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,064.61*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,505.65	106.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,065.10*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,576.28	108.49
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,065.58*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,646.91	110.90
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,066.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,767.47	113.31
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,066.54*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,838.10	115.71
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,067.02*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,911.00	118.13
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,067.51*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,981.63	120.54
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,067.99*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,102.20	122.95
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,068.47*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,172.82	125.36
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,068.95*	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,243.45	127.78
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.43*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,314.09	130.18
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.92*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,477.29	96.43
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,063.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,579.69	98.84
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,063.65*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,682.09	101.26
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,064.13*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,784.49	103.66
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,064.61*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,954.97	106.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,065.10*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,057.37	108.49
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,065.58*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,159.77	110.90
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,066.06*	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,330.26	113.31
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,066.54*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,432.66	115.71
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,067.02*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,535.06	118.13
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,067.51*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,637.46	120.54
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,067.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,807.95	122.95
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,068.47*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,910.34	125.36
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,068.95*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,012.74	127.78
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.43*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,115.15	130.18
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.92*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,030.14	108.49
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,065.58*	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,175.66	110.90
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,066.06*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,323.45	113.31
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,066.54*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,468.97	115.71
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,067.02*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,705.26	118.13
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,067.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,850.78	120.54
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,067.99*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,996.30	122.95
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,068.47*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,234.85	125.36
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,068.95*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,380.37	127.78
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,069.43*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,525.89	130.18
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,069.92*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,671.41	132.60
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,070.40*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,907.70	135.01
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,070.88*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,053.21	137.41
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,071.36*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,201.01	139.83
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,071.85*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,346.53	142.23
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,072.33*	

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	690.85	65.09
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	851.83	69.91
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,207.15	77.14
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,364.08	81.97
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	919.88	69.91
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,159.34	77.14
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,262.87	81.97
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,451.43	86.79
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,705.54	94.02
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,180.36	81.97
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,287.16	84.38
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,466.85	86.79
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,597.95	89.20
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,771.09	96.43
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,000.12	101.26
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,418.27	86.79
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,550.14	91.61
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,770.32	94.02
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,885.21	98.84
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,195.23	103.66

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	893.28	65.09
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,050.21	69.91
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,365.05	77.14
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,526.03	81.97
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,065.63	69.91
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,272.70	77.14
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,384.33	81.97
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,589.08	86.79
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,786.51	94.02
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,293.72	81.97
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,416.72	84.38
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,535.68	86.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,674.87	89.20
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,811.57	96.43
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,044.66	101.26
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,551.87	86.79
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,695.89	91.61
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,855.34	94.02
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,978.33	98.84
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,255.96	103.66

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	909.47	65.09
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,082.60	69.91
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,409.58	77.14
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,106.12	69.91
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,329.38	77.14
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,428.86	81.97
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,637.67	86.79
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,330.15	81.97
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,449.11	84.38
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,588.31	86.79
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,727.51	89.20
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,876.35	96.43
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,600.46	86.79
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,760.67	91.61
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,920.11	94.02
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,043.11	98.84

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	937.81	65.09
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,127.13	69.91
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,450.07	77.14
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,671.78	81.97
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,146.61	69.91
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,365.82	77.14
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,469.35	81.97
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,698.39	86.79
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,374.69	81.97
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,493.64	84.38
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,644.99	86.79
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,788.23	89.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,941.13	96.43
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,661.19	86.79
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,821.40	91.61
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,984.89	94.02
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,115.98	98.84
08 63 13 00-0081		Curb Top Inserts *(08 63 13 00-0003)* Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	178.12	31.34
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	255.99	36.17
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	444.20	48.22
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	411.72	43.39
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	507.74	48.22
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	271.17	31.34
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	435.27	36.17
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	768.71	48.22
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	756.66	43.39
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	957.06	48.22
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*		
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	361.94	31.34
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	605.47	36.17
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,168.10	48.22
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,078.90	43.39
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,374.61	48.22
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	617.97	65.09
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	806.52	69.91
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,066.99	81.97
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,373.73	86.79
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	933.76	65.09
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,130.41	69.91
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,362.54	81.97
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,644.99	86.79
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	767.77	65.09
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,085.69	77.14
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,299.31	81.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,005.49	77.14
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,104.97	81.97
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,362.36	86.79
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,620.52	94.02
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,177.85	84.38
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,308.96	86.79
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,452.20	89.20
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,592.95	96.43
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,911.05	101.26
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,505.60	91.61
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,709.59	94.02
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,844.72	98.84
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,150.69	103.66

08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	905.42	65.09
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,070.45	69.91
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,385.29	77.14
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,093.97	69.91
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,213.70	74.74
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,305.09	77.14
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,404.57	81.97
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,617.42	86.79
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,313.96	84.38
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,432.91	84.38
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,564.02	86.79
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,699.17	89.20
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,843.96	96.43
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,572.12	86.79
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,732.33	91.61
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,887.73	94.02
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,006.67	98.84

08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,058.31	69.91
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,437.92	77.14
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,349.62	77.14
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,457.20	81.97
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,682.20	86.79
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,481.49	84.38
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,624.75	86.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,772.04	89.20
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,908.74	96.43
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,805.20	91.61
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,968.70	94.02
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,095.74	98.84
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)* Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,018.06	96.43
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,640.00	91.61
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,289.32	96.43
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,633.46	96.43
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,271.59	91.61
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,001.88	96.43
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,099.05	96.43
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,729.08	91.61
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,459.37	96.43
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,042.36	96.43
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,664.29	91.61
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,325.76	96.43
08 63 13 00-0180		25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,665.84	96.43
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,295.88	91.61
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,042.36	96.43
08 63 13 00-0184		30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,123.34	96.43
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,753.37	91.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,499.86	96.43

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) *(08 66)*

08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	608.33	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	627.89	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	581.42	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	642.56	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	693.92	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	777.07	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	882.23	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	581.42	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	706.15	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	777.07	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	857.77	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	965.37	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	608.33	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	642.56	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	706.15	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	931.14	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	627.89	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	693.92	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	777.07	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	931.14	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	777.07	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	857.77	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	882.23	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	965.37	64.50
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

reinstallation of existing door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*
Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*
Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	69.19	3.61
		For Clear Coated Bright Brass, Add	*7.01*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	76.37	5.16
		For Clear Coated Bright Brass, Add	*7.80*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	76.10	5.68
		For Clear Coated Bright Brass, Add	*6.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	83.72	3.61
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	90.04	5.16
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	86.26	5.68
		For Clear Coated Bright Brass, Add	*7.95*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	100.83	6.71
		For Clear Coated Bright Brass, Add	*9.30*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	101.84	6.71
		For Clear Coated Bright Brass, Add	*9.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	113.40	8.61
		For Clear Coated Bright Brass, Add	*11.06*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	99.20	3.61
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	105.52	5.16
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	103.10	5.68
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	119.39	6.71

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	120.03	5.68
		For Clear Coated Bright Brass, Add	*12.68*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	134.89	6.71
		For Clear Coated Bright Brass, Add	*14.07*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	156.16	6.71
		For Clear Coated Bright Brass, Add	*17.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*
Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	124.24	5.68
		For Clear Coated Bright Brass, Add	*13.27*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	146.86	6.71
		For Clear Coated Bright Brass, Add	*15.74*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	119.15	5.68
		For Clear Coated Bright Brass, Add	*12.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	137.20	8.61
		For Clear Coated Bright Brass, Add	*14.39*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	173.75	8.61
		For Clear Coated Bright Brass, Add	*19.51*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0030 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	37.00	3.61
		For Primed For Paint Finish, Deduct	*-3.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.19*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.10*	
		For Stainless Steel, Add	*9.64*	
		For Heavy-Duty, Add	*2.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	45.14	5.16
		For Primed For Paint Finish, Deduct	*-3.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.42*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.32*	
		For Stainless Steel, Add	*10.64*	
		For Heavy-Duty, Add	*2.90*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	53.05	5.68
		For Primed For Paint Finish, Deduct	*-4.71*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.95*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.83*	
		For Stainless Steel, Add	*12.96*	
		For Heavy-Duty, Add	*3.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0035 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0036	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	83.35	3.61
		For Primed For Paint Finish, Deduct	*-12.77*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.98*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.66*	
		For Stainless Steel, Add	*35.13*	
		For Heavy-Duty, Add	*9.58*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	98.13	5.16
		For Primed For Paint Finish, Deduct	*-14.47*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.04*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.68*	
		For Stainless Steel, Add	*39.78*	
		For Heavy-Duty, Add	*10.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	62.85	5.68
		For Primed For Paint Finish, Deduct	*-6.67*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.17*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.00*	
		For Stainless Steel, Add	*18.35*	
		For Heavy-Duty, Add	*5.00*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0039	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	140.14	6.71
		For Primed For Paint Finish, Deduct	*-21.15*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.22*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.69*	
		For Stainless Steel, Add	*58.16*	
		For Heavy-Duty, Add	*15.86*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	155.06	6.71
		For Primed For Paint Finish, Deduct	*-24.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.08*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-14.48*	
		For Stainless Steel, Add	*66.36*	
		For Heavy-Duty, Add	*18.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	200.56	6.71
		For Primed For Paint Finish, Deduct	*-33.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
		For Stainless Steel, Add	*91.39*	
		For Heavy-Duty, Add	*24.92*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0043	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	110.11	3.61
		For Primed For Paint Finish, Deduct	*-18.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.33*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.88*	
		For Stainless Steel, Add	*49.85*	
		For Heavy-Duty, Add	*13.59*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	128.52	5.16
		For Primed For Paint Finish, Deduct	*-20.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.84*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.33*	
		For Stainless Steel, Add	*56.50*	
		For Heavy-Duty, Add	*15.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	144.29	5.68
		For Primed For Paint Finish, Deduct	*-22.96*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.35*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-13.78*	
		For Stainless Steel, Add	*63.14*	
		For Heavy-Duty, Add	*17.22*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0046	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	161.29	6.71
		For Primed For Paint Finish, Deduct	*-25.38*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.86*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.23*	
		For Stainless Steel, Add	*69.79*	
		For Heavy-Duty, Add	*19.03*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0048	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	155.71	5.68
		For Primed For Paint Finish, Deduct	*-25.98*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.24*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.59*	
		For Stainless Steel, Add	*71.45*	
		For Heavy-Duty, Add	*19.49*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	173.24	5.68
		For Primed For Paint Finish, Deduct	*-28.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.97*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-17.25*	
		For Stainless Steel, Add	*79.06*	
		For Heavy-Duty, Add	*21.56*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	200.56	6.71
		For Primed For Paint Finish, Deduct	*-33.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
		For Stainless Steel, Add	*91.39*	
		For Heavy-Duty, Add	*24.92*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Both leaves slide into a cavity prepared in the door and door frame.

08 71 11 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	98.38	5.68
		For Primed For Paint Finish, Deduct	*-13.78*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.61*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.27*	
		For Stainless Steel, Add	*37.89*	
		For Heavy-Duty, Add	*10.33*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0053 Blank Butt Hinges *(08 71 11 00-0030)*

08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	18.00	2.32
		For Primed For Paint Finish, Deduct	*-1.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.10*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.05*	
		For Stainless Steel, Add	*4.82*	
		For Heavy-Duty, Add	*1.32*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	85.28	3.61
		For Primed For Paint Finish, Deduct	*-13.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.23*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.90*	
		For Stainless Steel, Add	*36.19*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	111.87	5.16
		For Primed For Paint Finish, Deduct	*-17.21*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.76*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.33*	
		For Stainless Steel, Add	*47.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	156.10	5.68
		For Primed For Paint Finish, Deduct	*-25.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.19*	
		For Stainless Steel, Add	*69.64*	
08 71 11 00-0059		**Offset And Pivot Hinges** *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0060		**Offset Swing Clear Hinges** *(08 71 11 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	148.60	1.60
08 71 11 00-0062		**Offset Pivot Hinges** *(08 71 11 00-0059)*		
08 71 11 00-0063		**3/4" Offset Pivot Hinges** *(08 71 11 00-0062)*		
08 71 11 00-0064		**3/4" Offset Pivot Hinges** *(08 71 11 00-0063)*		
08 71 11 00-0065		**Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0064)*		
08 71 11 00-0066		**200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	150.00	5.16
08 71 11 00-0068	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	207.15	5.16
08 71 11 00-0069	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	238.91	5.16
08 71 11 00-0070	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	238.91	5.16
08 71 11 00-0071	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	238.91	5.16
08 71 11 00-0072	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	238.91	5.16
08 71 11 00-0073	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	238.91	5.16
08 71 11 00-0074	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	166.51	5.16
08 71 11 00-0075	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	216.06	5.16
08 71 11 00-0076	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	249.06	5.16
08 71 11 00-0077	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	249.06	5.16
08 71 11 00-0078	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	249.06	5.16
08 71 11 00-0079	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	249.06	5.16
08 71 11 00-0080	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	249.06	5.16
08 71 11 00-0081	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	150.00	5.16
08 71 11 00-0082	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	207.15	5.16
08 71 11 00-0083	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	238.91	5.16
08 71 11 00-0084	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	238.91	5.16
08 71 11 00-0085	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	238.91	5.16
08 71 11 00-0086	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	238.91	5.16
08 71 11 00-0087	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	238.91	5.16
08 71 11 00-0088		**500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	152.58	6.45
08 71 11 00-0090	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	209.73	6.45
08 71 11 00-0091	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	241.49	6.45
08 71 11 00-0092	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	241.49	6.45
08 71 11 00-0093	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	241.49	6.45
08 71 11 00-0094	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	241.49	6.45
08 71 11 00-0095	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	241.49	6.45
08 71 11 00-0096		**600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	152.58	6.45
08 71 11 00-0098	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	209.73	6.45
08 71 11 00-0099	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	241.49	6.45
08 71 11 00-0100	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	241.49	6.45
08 71 11 00-0101	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	241.49	6.45
08 71 11 00-0102	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	241.49	6.45
08 71 11 00-0103	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	241.49	6.45
08 71 11 00-0104		**700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	152.58	6.45
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	209.73	6.45
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	241.49	6.45
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	241.49	6.45
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	241.49	6.45
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	241.49	6.45
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	241.49	6.45
08 71 11 00-0112		**Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0064)*		
08 71 11 00-0113		**200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	190.64	5.16
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	238.91	5.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	273.19	5.16
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	273.19	5.16
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	273.19	5.16
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	273.19	5.16
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	273.19	5.16
08 71 11 00-0121		**500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	209.73	6.45
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	224.97	6.45
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	251.64	6.45
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	251.64	6.45
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	251.64	6.45
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	251.64	6.45
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	251.64	6.45
08 71 11 00-0129		**600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	209.73	6.45
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	224.97	6.45
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	251.64	6.45
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	251.64	6.45
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	251.64	6.45
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	251.64	6.45
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	251.64	6.45
08 71 11 00-0137		**700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	209.73	6.45
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	224.97	6.45
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	251.64	6.45
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	251.64	6.45
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	251.64	6.45
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	251.64	6.45
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	251.64	6.45
08 71 11 00-0145		**Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0064)*		
08 71 11 00-0146		**200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	166.51	5.16
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	216.06	5.16
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	249.06	5.16
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	249.06	5.16
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	249.06	5.16
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	313.91	5.16
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	249.06	5.16
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	166.51	5.16
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	216.06	5.16
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	249.06	5.16
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	249.06	5.16
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	249.06	5.16
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	249.06	5.16
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	249.06	5.16
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	142.39	5.16
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	199.54	5.16
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	232.55	5.16
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	232.55	5.16
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	232.55	5.16
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	232.55	5.16
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	232.55	5.16
08 71 11 00-0168		**500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	258.00	6.45
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	275.77	6.45
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	275.77	6.45
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	275.77	6.45
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	275.77	6.45
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	275.77	6.45
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	280.85	6.45

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0176		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	218.64	6.45
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	241.49	6.45
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	258.00	6.45
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	258.00	6.45
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	258.00	6.45
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	258.00	6.45
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	258.00	6.45
08 71 11 00-0184		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	528.47	6.45
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	569.11	6.45
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	633.90	6.45
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	633.90	6.45
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	633.90	6.45
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	633.90	6.45
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	633.90	6.45
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	306.27	6.45
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	365.92	6.45
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	414.19	6.45
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	414.19	6.45
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	414.19	6.45
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	306.27	6.45
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	365.92	6.45
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	414.19	6.45
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	414.19	6.45
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	414.19	6.45
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	306.27	6.45
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	365.92	6.45
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	414.19	6.45
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	414.19	6.45
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	414.19	6.45
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	318.98	7.74
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	368.50	7.74
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	391.38	7.74
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	391.38	7.74
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	391.38	7.74
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	318.98	7.74
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	368.50	7.74
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	391.38	7.74
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	391.38	7.74
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	391.38	7.74

08 71 11 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*

08 71 11 00-0225 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*

08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	316.40	6.45
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	372.28	6.45
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	388.80	6.45
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	388.80	6.45
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	388.80	6.45

08 71 11 00-0231 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*

08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	316.40	6.45
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	372.28	6.45
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	388.80	6.45
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	388.80	6.45
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	388.80	6.45

08 71 11 00-0237 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*

08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	316.40	6.45
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	372.28	6.45
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	388.80	6.45
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	388.80	6.45
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	388.80	6.45

08 71 11 00-0243 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*

08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	352.01	7.74
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	409.14	7.74
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	424.38	7.74
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	424.38	7.74
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	424.38	7.74

08 71 11 00-0249 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*

08 71 11 00-0250	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	352.01	7.74
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	409.14	7.74
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	424.38	7.74
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	424.38	7.74
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	424.38	7.74

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	355.79	6.45
08 71 11 00-0258	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	445.95	6.45
08 71 11 00-0259	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.23	6.45
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.23	6.45
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	480.23	6.45
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	349.43	6.45
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	372.28	6.45
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	430.71	6.45
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	430.71	6.45
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	430.71	6.45
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	400.26	7.74
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	448.53	7.74
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	466.29	7.74
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	466.29	7.74
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	466.29	7.74
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	579.32	7.74
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	619.96	7.74
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	636.48	7.74
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	636.48	7.74
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	636.48	7.74
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	365.92	6.45
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	397.68	6.45
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	421.80	6.45
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	421.80	6.45
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	421.80	6.45
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	365.92	6.45
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	397.68	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	421.80	6.45
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	421.80	6.45
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	421.80	6.45
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	381.16	6.45
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	430.71	6.45
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.83	6.45
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.83	6.45
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.83	6.45
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	381.16	6.45
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	430.71	6.45
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.83	6.45
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.83	6.45
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.83	6.45
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	372.28	6.45
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	430.71	6.45
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.83	6.45
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.83	6.45
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.83	6.45
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	617.38	6.45
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	683.42	6.45
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	699.93	6.45
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	699.93	6.45
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	699.93	6.45
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	183.03	5.16
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	199.54	5.16
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	185.61	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	202.12	6.45
08 71 11 00-0339		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	185.61	6.45
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	202.12	6.45
08 71 11 00-0347		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	302.47	7.74
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	358.37	7.74
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	416.77	7.74
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	416.77	7.74
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	416.77	7.74
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	416.77	7.74
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	416.77	7.74
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0356		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	134.76	5.16
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	158.91	5.16
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	183.03	5.16
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	183.03	5.16
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	183.03	5.16
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	183.03	5.16
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	183.03	5.16
08 71 11 00-0364		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	202.12	6.45
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	209.73	6.45
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	202.12	6.45
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	209.73	6.45
08 71 11 00-0379		600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	430.71	6.45
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	454.83	6.45
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.23	6.45
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.23	6.45
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.23	6.45
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.23	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	480.23	6.45
08 71 11 00-0387		**1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	807.91	7.74
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	832.03	7.74
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	865.06	7.74
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	865.06	7.74
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	865.06	7.74
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	865.06	7.74
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	865.06	7.74
08 71 11 00-0395		**Continuous Barrel-Type Hinge** *(08 71 11 00-0001)*		
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	17.76	2.07
		For Stainless Steel, Add	*5.23*	
		For Brass Or Nickel, Add	*5.71*	
		For Aluminum, Add	*1.86*	
		For Medium Gauge, Deduct	*-1.90*	
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	18.39	2.07
		For Stainless Steel, Add	*5.58*	
		For Brass Or Nickel, Add	*6.08*	
		For Aluminum, Add	*1.99*	
		For Medium Gauge, Deduct	*-2.03*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	19.66	2.07
		For Stainless Steel, Add	*6.28*	
		For Brass Or Nickel, Add	*6.85*	
		For Aluminum, Add	*2.24*	
		For Medium Gauge, Deduct	*-2.28*	
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	21.09	2.07
		For Stainless Steel, Add	*7.06*	
		For Brass Or Nickel, Add	*7.70*	
		For Aluminum, Add	*2.52*	
		For Medium Gauge, Deduct	*-2.57*	
08 71 11 00-0400		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	53.44	2.07
		For Bronze Finish, Add	*16.95*	
		For Heavy-Duty, Add	*12.07*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	58.73	2.07
		For Bronze Finish, Add	*18.93*	
		For Heavy-Duty, Add	*13.49*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	32.25	2.07
		For Bronze Finish, Add	*9.00*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	39.90	2.07
		For Bronze Finish, Add	*11.87*	
08 71 11 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	156.48	3.61
		For Satin Brass, Add	*33.22*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	161.70	4.64
		For Satin Brass, Add	*33.24*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	174.42	5.68
		For Satin Brass, Add	*35.05*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	235.58	6.71
		For Satin Brass, Add	*48.49*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	261.22	7.74
		For Satin Brass, Add	*53.40*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	319.50	8.78
		For Satin Brass, Add	*66.15*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	454.44	24.51
		For Satin Brass, Add	*97.30*	
08 71 11 00-0413		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	32.47	3.61
08 71 11 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.		
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	323.81	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	382.31	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	440.81	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	15.76	2.58
08 71 11 00-0421		**Door Trim** *(08 71 11)*		
08 71 11 00-0422		**Floor Stops, Wall Stops And Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0423		**Floor Stops** *(08 71 11 00-0422)*		
08 71 11 00-0424		**Aluminum Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	17.00	6.45
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	21.08	6.45
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	22.64	6.45
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	46.31	6.45
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	49.14	6.45
08 71 11 00-0430		**Brass Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	21.65	6.45
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.21	6.45
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	23.21	6.45
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	23.81	6.45
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	24.61	6.45
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	24.61	6.45
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	24.61	6.45
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	22.64	6.45
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	24.99	6.45
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	24.99	6.45
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	25.91	6.45
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	26.71	6.45
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	26.71	6.45
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	30.43	6.45
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	25.15	6.45
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	25.15	6.45
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	27.73	6.45
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	27.73	6.45
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	27.73	6.45
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	27.73	6.45
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	26.93	6.45
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	26.93	6.45
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	29.45	6.45
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	29.45	6.45
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	29.45	6.45
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	29.45	6.45
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	48.60	6.45
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	49.71	6.45
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	52.42	6.45
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	54.61	6.45
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	54.61	6.45
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	63.56	6.45
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	63.56	6.45
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	60.25	6.45
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	61.84	6.45
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	61.84	6.45
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	61.84	6.45
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	61.84	6.45
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	74.09	6.45
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	74.09	6.45
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	35.27	6.45
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	37.31	6.45
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	41.92	6.45
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	41.92	6.45
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	41.92	6.45
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	43.29	6.45
08 71 11 00-0477		**Steel Floor Stops** *(08 71 11 00-0423)*		
08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	27.31	6.45
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	103.11	6.45
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	109.57	6.45
08 71 11 00-0481		**Wall Stops** *(08 71 11 00-0422)*		
08 71 11 00-0482		**Aluminum Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	10.79	2.58
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	15.38	3.87
08 71 11 00-0485		**Brass Wall Stops** *(08 71 11 00-0481)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	24.66	2.58
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	24.66	2.58
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	24.66	2.58
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	30.71	2.58
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	31.28	2.58
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	31.28	2.58
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	31.28	2.58
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	79.84	3.87
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	81.97	3.87
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	81.97	3.87
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	81.97	3.87
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	81.97	3.87
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	81.97	3.87
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	64.82	3.87
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	76.34	3.87
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	76.34	3.87
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	76.34	3.87
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	76.34	3.87
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	79.08	3.87
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	79.08	3.87
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	135.97	3.87
08 71 11 00-0507		**Steel Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	6.34	2.58
08 71 11 00-0509		**Hinge Pin Door Stops** *(08 71 11 00-0422)*		
08 71 11 00-0510		**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	13.82	5.16
08 71 11 00-0512		**Brass Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	14.49	5.16
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	18.69	5.16
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	28.81	5.16
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	28.81	5.16
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	28.81	5.16
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	33.55	5.16
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	33.55	5.16
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	33.55	5.16
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	33.55	5.16
08 71 11 00-0522		**Wall Bumpers** *(08 71 11 00-0422)*		
08 71 11 00-0523		**Brass Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	19.52	6.45
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	19.52	6.45
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	19.52	6.45
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	20.09	6.45
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	20.09	6.45
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	20.09	6.45
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	20.09	6.45
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	39.56	6.45
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	44.85	6.45
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	44.85	6.45
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	44.85	6.45
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	44.85	6.45
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	44.85	6.45
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	46.02	6.45
08 71 11 00-0538		**Rubber Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	17.42	6.45
08 71 11 00-0540		**Holders** *(08 71 11 00-0421)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0541		Plunger Type Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0542		Aluminum Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	85.09	3.87
08 71 11 00-0544		Brass Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	147.27	3.87
08 71 11 00-0552		Kick Down Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0553		Aluminum Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	20.37	3.87
08 71 11 00-0555		Brass Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	59.03	3.87
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	59.03	3.87
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	59.03	3.87
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	69.12	3.87
08 71 11 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	69.12	3.87
08 71 11 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	69.12	3.87
08 71 11 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	71.66	3.87
08 71 11 00-0563		Steel Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	28.17	3.87
08 71 11 00-0565		Floor Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0566		Brass Floor Mounted Door Holders *(08 71 11 00-0565)*		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	115.04	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	115.04	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	148.55	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	148.55	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	148.55	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	148.55	7.74
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573		Wall Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0574		Aluminum Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	109.77	4.51
08 71 11 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	157.36	7.74
08 71 11 00-0577		Brass Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	99.62	4.51
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	117.79	4.51
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	117.79	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	117.79	4.51
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	117.79	4.51
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	117.79	4.51
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	122.05	4.51
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	114.83	4.51
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.62	4.51
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.62	4.51
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.62	4.51
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.62	4.51
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	139.62	4.51
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	182.08	7.74
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	193.22	7.74
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	193.22	7.74
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	193.22	7.74
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	193.22	7.74
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	193.22	7.74

08 71 11 00-0597 Overhead Door Holders *(08 71 11 00-0540)*

08 71 11 00-0598 Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	559.43	12.90
		For Hold Open, Add	*73.28*	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	652.98	12.90
		For Hold Open, Add	*86.78*	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	652.98	12.90
		For Hold Open, Add	*86.78*	
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	652.98	12.90
		For Hold Open, Add	*86.78*	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	649.80	12.90
		For Hold Open, Add	*86.32*	

08 71 11 00-0604 Heavy-Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	418.15	12.90
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	641.52	12.90
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	738.89	12.90
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	738.89	12.90
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	738.89	12.90

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	617.98	12.90
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	617.98	12.90
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	656.16	12.90
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	688.62	12.90
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	688.62	12.90

08 71 11 00-0616 Silencers *(08 71 11 00-0421)*

08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	0.97

08 71 11 00-0618 Bolts *(08 71 11 00-0421)*

08 71 11 00-0619 Brass Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	189.30	6.45
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	204.00	6.45
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	204.00	6.45

08 71 11 00-0623 Steel Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	75.39	6.45
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	75.39	6.45
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	75.39	6.45
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	88.25	6.45
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	90.09	6.45
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	93.75	6.45
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	91.91	6.45
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	97.44	6.45
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	104.79	6.45
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	110.30	6.45
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	183.80	6.45

08 71 11 00-0635 Door Viewer *(08 71 11 00-0421)*

08 71 11 00-0636 Brass Door Viewer *(08 71 11 00-0635)*

08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	30.43	6.45
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	30.43	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	30.43	6.45
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	38.64	6.45
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	38.64	6.45
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	38.64	6.45
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	48.76	6.45
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	48.76	6.45
08 71 11 00-0645		**Door Knockers** *(08 71 11 00-0421)*		
08 71 11 00-0646		**Brass Door Knockers** *(08 71 11 00-0645)*		
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	55.76	6.45
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	63.56	6.45
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	63.56	6.45
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	63.56	6.45
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	93.15	6.45
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	111.95	6.45
08 71 11 00-0653		**Hasps** *(08 71 11 00-0421)*		
08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	20.37	4.87
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	21.81	5.16
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	30.26	5.81
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	175.57	6.97
08 71 11 00-0658		**Flush Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0659		**Flush Bolts For Metal Doors** *(08 71 11 00-0658)*		
08 71 11 00-0660		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0661		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	53.34	6.45
08 71 11 00-0663		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	130.20	6.45
08 71 11 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	130.20	6.45
08 71 11 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	229.02	10.32
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	240.33	9.03
08 71 11 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	248.98	9.68
08 71 11 00-0669		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	157.90	6.45
08 71 11 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	298.48	10.32
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	295.90	9.03
08 71 11 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	306.39	9.68
08 71 11 00-0674		**Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0675		**Automatic, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	130.20	6.45
08 71 11 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	130.20	6.45
08 71 11 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	229.02	10.32
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	240.33	9.03
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	248.98	9.68
08 71 11 00-0681		**Constant Latching, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	157.90	6.45
08 71 11 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	298.48	10.32
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	295.90	9.03
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	306.39	9.68
08 71 11 00-0686		**Flush Bolts For Wood Doors** *(08 71 11 00-0658)*		
08 71 11 00-0687		**Brass Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
08 71 11 00-0688		**Manual, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	67.09	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0690		**Automatic, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	166.68	6.45
08 71 11 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	166.68	6.45
08 71 11 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	313.92	10.32
08 71 11 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	311.34	9.03
08 71 11 00-0695		**Constant Latching, Brass Flush Bolts For Wood Doors** *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	165.25	6.45
08 71 11 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	313.92	10.32
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	311.34	9.03
08 71 11 00-0699		**Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0686)*		
08 71 11 00-0700		**Automatic, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	166.68	6.45
08 71 11 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	166.68	6.45
08 71 11 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	313.92	10.32
08 71 11 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	311.34	9.03
08 71 11 00-0705		**Constant Latching, Stainless Steel Flush Bolts For Wood Doors** *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	165.25	6.45
08 71 11 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	313.92	10.32
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	311.34	9.03
08 71 11 00-0709		**Dust Proof Strikes** *(08 71 11 00-0658)*		
08 71 11 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	49.65	5.16
08 71 11 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	49.65	5.16
08 71 11 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	49.65	5.16
08 71 11 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	49.65	5.16
08 71 11 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	49.65	5.16
08 71 11 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	59.93	5.16
08 71 11 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	59.93	5.16
08 71 11 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	59.93	5.16
08 71 11 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	59.93	5.16
08 71 11 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	59.93	5.16
08 71 11 00-0720		**Roller Bumpers** *(08 71 11 00-0421)*		
08 71 11 00-0721		**Brass Roller Bumpers** *(08 71 11 00-0720)*		
08 71 11 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	57.06	3.87
08 71 11 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	69.34	3.87
08 71 11 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	69.34	3.87
08 71 11 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	54.29	3.87
08 71 11 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	63.65	3.87
08 71 11 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	63.65	3.87
08 71 11 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	63.65	3.87
08 71 11 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	57.25	3.87
08 71 11 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	63.87	3.87
08 71 11 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	66.99	3.87
08 71 11 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	66.99	3.87
08 71 11 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	66.99	3.87
08 71 11 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	66.99	3.87
08 71 11 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	66.99	3.87
08 71 11 00-0736		**Other Door Trim** *(08 71 11 00-0421)*		
08 71 11 00-0737		**Coat And Hat Hooks** *(08 71 11 00-0736)*		
08 71 11 00-0738		**Aluminum Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	10.58	3.87
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	10.58	3.87
08 71 11 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	10.81	3.87
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	10.42	3.87
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	10.42	3.87
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	10.42	3.87
08 71 11 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	10.81	3.87
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	11.95	3.87
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	11.95	3.87
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	11.95	3.87
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	11.95	3.87
08 71 11 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	11.95	3.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0751		**Brass Coat And Hat Hooks** *(08 71 11 00-0737)*		
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	16.82	3.87
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	17.42	3.87
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	18.38	3.87
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	18.38	3.87
08 71 11 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	18.98	3.87
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	20.92	3.87
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	23.66	3.87
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	23.66	3.87
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	23.66	3.87
08 71 11 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	24.27	3.87
08 71 11 00-0762		**Cane Bolt** *(08 71 11 00-0736)*		
08 71 11 00-0763	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	23.40	5.16
08 71 11 00-0764		**Ball Catches** *(08 71 11 00-0736)*		
08 71 11 00-0765	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	28.11	5.16
		For Owner Furnished Material, Deduct	*-17.79*	
08 71 11 00-0766	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	28.11	5.16
		For Owner Furnished Material, Deduct	*-17.79*	
08 71 11 00-0767	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	29.95	5.16
		For Owner Furnished Material, Deduct	*-19.63*	
08 71 11 00-0768	EA	Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	30.91	5.16
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0769	EA	Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	30.91	5.16
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0770	EA	Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	30.91	5.16
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0771		**Other Door Trim** *(08 71 11 00-0736)*		
08 71 11 00-0772	EA	Adapter Kit For Installation Of Cipher Locks On Metal Doors	54.31	6.45
		For Owner Furnished Material, Deduct	*-41.41*	
08 71 11 00-0773	EA	Push Or Pull Exit Paddle For Storefront Aluminum Door Note: Aluminum with dark bronze or satin aluminum finish.	145.05	12.90
		For Owner Furnished Material, Deduct	*-119.25*	
08 71 11 00-0774	EA	Public Toilet Lock	64.06	8.61
		For Owner Furnished Material, Deduct	*-51.16*	
08 71 11 00-0775	EA	Slide Latch Handle Mechanism For Toilet Stall Partition Doors	63.45	5.16
		For Owner Furnished Material, Deduct	*-53.13*	
08 71 11 00-0776	EA	Brass Entry Lockset Door Repair Cover, US3	70.26	6.45
		For Owner Furnished Material, Deduct	*-44.46*	
08 71 11 00-0777	EA	Stainless Steel Entry Lockset Door Repair Cover, US32D	78.36	6.45
		For Owner Furnished Material, Deduct	*-52.56*	
08 71 11 00-0778	EA	Brass Entry Deadlock Door Repair Cover, US3	53.91	6.45
		For Owner Furnished Material, Deduct	*-28.11*	
08 71 11 00-0779	EA	Latch Protector	26.26	5.16
		For Owner Furnished Material, Deduct	*-15.94*	
08 71 11 00-0780		**Door Plates And Pulls** *(08 71 11)*		
08 71 11 00-0781		**Kick Plate** *(08 71 11 00-0780)* Note: Ives 8400.		
08 71 11 00-0782		**Aluminum Base Material Kick Plate** *(08 71 11 00-0781)*		
08 71 11 00-0783		**Satin Aluminum Finish, Aluminum Kick Plate** *(08 71 11 00-0782)* Note: US28		
08 71 11 00-0784	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.88	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	48.68	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	51.41	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	54.18	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.01	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.72	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.51	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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08 71 11 00-0791	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.26	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.06	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.83	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.56	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.41	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.17	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.91	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	53.52	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	56.98	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.39	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	63.86	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.36	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.27	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.70	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.20	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.64	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.11	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.62	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.03	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.49	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	61.12	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.23	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.43	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.50	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.70	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.84	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.98	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.15	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0820	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.32	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.45	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.62	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.80	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.94	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.11	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.70	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.53	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.44	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.27	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.11	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.79	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.62	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.50	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.31	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.15	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	126.01	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.88	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.72	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.34	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.84	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.41	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.92	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.02	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.56	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.07	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.62	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0849	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.19	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.69	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.23	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.77	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.34	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.30	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.92	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.54	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.16	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.78	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.40	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.02	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.64	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.30	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.92	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	157.55	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.20	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	171.82	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	178.44	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.42	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.77	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.12	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.48	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.87	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.22	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.57	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.92	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.31	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	166.66	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0878	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.01	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	182.40	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	189.75	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.10	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.50	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.59	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	122.67	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.76	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.91	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.00	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.08	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.17	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	173.28	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.37	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0892	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	189.45	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0893	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.56	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	206.65	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	214.73	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.59	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.40	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.25	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.07	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.92	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.74	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.56	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.41	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.25	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	196.07	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	204.89	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0907	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	214.73	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	223.58	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	232.40	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0910 Brass Base Material Kick Plate *(08 71 11 00-0781)*

08 71 11 00-0911 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0910)*

Note: US3/US4

08 71 11 00-0912	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	116.46	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.62	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	134.82	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.99	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	154.19	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	163.42	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.59	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	181.76	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	191.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.12	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	210.29	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0923	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	220.50	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.73	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	238.90	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	141.72	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	153.16	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	164.66	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	176.13	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	188.59	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	200.09	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.59	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.06	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	235.53	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	247.03	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0936	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.53	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.00	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	282.50	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.97	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	166.89	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.73	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	194.46	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.23	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.06	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	236.83	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	250.60	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	264.33	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.19	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	292.93	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	306.70	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.50	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	335.24	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	349.07	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.22	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	209.26	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.33	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.43	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.53	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	274.59	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	290.63	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	306.70	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	323.80	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	339.87	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	355.91	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0965	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	373.01	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	389.11	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	405.17	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	282.57	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	306.82	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	331.00	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	355.15	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	380.36	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	404.57	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	428.79	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	452.90	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	478.19	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	502.40	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	526.59	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	551.77	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	575.95	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	600.16	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.31	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.47	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	369.59	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	396.80	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	424.99	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	452.11	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	479.32	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	506.44	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	534.70	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	561.85	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	588.97	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	617.22	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0994	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	644.34	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	671.49	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	349.53	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	379.69	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	409.91	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	440.03	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	471.29	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	501.48	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	531.63	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	561.85	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	593.00	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	623.22	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	653.41	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	684.60	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	714.82	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	744.94	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	382.76	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	415.91	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	449.10	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	482.33	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	516.56	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	549.78	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	582.97	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	616.19	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	650.38	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	683.57	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	716.79	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	751.01	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	784.23	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1023	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	817.36	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	415.91	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	452.11	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	488.36	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	524.59	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	561.85	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	598.04	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	634.27	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	672.47	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	707.72	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	743.91	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	780.13	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	817.36	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	853.64	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	889.84	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1038 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0910)*

Note: US10/US10B

08 71 11 00-1039	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	128.80	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	139.06	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	149.40	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	159.66	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	171.04	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	181.32	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	191.64	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	201.92	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	213.20	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.55	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	233.84	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	245.19	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	255.48	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1052	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	265.80	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.10	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	170.01	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	182.85	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	195.72	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.62	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	222.52	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	235.36	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.23	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.17	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	275.04	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	287.88	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	301.86	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	314.70	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	327.57	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	185.43	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.89	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	216.32	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.78	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.23	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	263.73	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.18	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	294.61	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	311.10	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	326.53	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	341.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	358.45	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	373.94	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.37	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1081	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	214.76	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	232.81	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	250.82	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	268.84	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	287.88	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	305.93	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.94	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	341.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	361.04	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	379.05	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	397.07	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	416.15	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	434.22	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.24	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	313.42	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	340.45	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	367.43	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	394.42	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	422.44	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	449.43	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	476.45	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	503.44	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	531.47	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	558.46	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	585.45	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	613.47	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	640.46	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	667.45	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	349.58	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1110	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	379.89	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	410.14	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	440.45	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	471.73	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	502.01	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	532.28	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	562.56	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	593.85	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	624.16	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	654.47	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	685.75	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	716.06	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	746.31	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.60	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	421.29	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	454.89	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	488.59	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	523.23	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	556.86	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	590.53	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	624.16	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	658.89	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	692.49	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	726.12	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	760.82	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	794.45	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	828.12	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	424.62	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	461.67	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1139	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	498.65	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	535.64	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	573.73	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	610.72	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	647.73	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	684.72	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	722.80	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	759.79	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	796.81	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1148	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	834.82	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	871.81	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	908.86	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	461.67	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	502.01	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	542.38	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	582.75	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	624.16	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	664.53	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	704.97	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	745.28	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	786.68	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	827.09	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	867.46	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	908.86	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	949.23	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	989.60	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1165 Stainless Base Material Kick Plate *(08 71 11 00-0781)*

08 71 11 00-1166 Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1165)*
Note: US26/US26D

08 71 11 00-1167	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	127.08	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1168	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	137.23	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	147.38	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	157.53	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	168.70	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	178.82	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	188.97	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	199.12	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	210.30	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	220.48	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	230.63	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.81	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	251.96	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	262.11	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	155.00	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	167.67	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	180.35	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	193.03	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	206.77	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	219.45	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	232.12	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	244.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	258.51	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	271.19	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	283.86	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	297.58	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	310.26	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	322.94	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	182.88	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	198.09	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1197	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	213.36	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	228.57	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	244.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	260.04	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	275.25	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	290.45	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	306.69	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	321.90	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	337.14	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	353.38	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.65	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	383.86	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	211.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.60	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	247.36	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	265.10	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	283.86	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	301.63	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	319.37	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	337.14	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	355.98	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	373.71	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	391.45	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	378.23	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	427.98	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	445.75	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	314.11	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	341.20	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.25	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1226	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	395.30	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	423.38	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	450.43	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	477.52	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	504.57	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	532.66	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	559.71	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	586.76	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	614.85	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	641.90	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	668.95	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.35	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	380.73	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	411.05	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	441.43	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	472.78	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	503.13	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	533.48	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	563.83	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	595.18	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	625.57	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	655.95	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	687.29	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	717.68	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	747.99	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	388.45	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	422.23	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	455.91	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	489.68	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1255	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	524.40	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	558.11	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	591.85	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	625.57	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	660.37	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	694.05	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	727.76	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	762.53	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	796.24	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	829.99	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	425.56	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	462.69	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	499.77	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	536.84	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	575.02	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	612.09	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	649.19	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	686.26	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	724.43	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	761.50	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1275	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	798.61	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	836.71	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	873.78	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	910.92	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	462.69	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	503.13	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	543.59	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	584.06	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	625.57	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1284	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	666.03	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	706.56	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	746.96	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	788.46	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	828.96	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	869.42	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	910.92	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	951.38	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	991.85	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1293 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1165)*

Note: US32D

08 71 11 00-1294	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.21	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.41	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.52	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.75	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.92	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.03	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.26	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.40	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.60	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.76	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.90	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.11	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.28	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.42	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.91	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.89	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.84	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.77	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.78	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1313	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.73	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.66	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.58	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.63	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.55	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.47	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.49	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.45	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.37	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.63	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.37	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.10	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.84	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.58	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.35	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.05	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.82	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.56	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.33	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.10	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.85	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.62	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.32	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.35	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.87	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.43	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.95	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.47	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.02	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1342	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.55	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.10	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.69	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.15	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.71	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.29	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.81	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	152.37	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.59	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.65	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.43	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.17	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.73	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.51	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.25	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	147.04	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.85	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.62	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	168.96	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.15	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.92	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.31	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.78	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.18	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.62	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.12	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.52	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.96	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1371	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.36	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.87	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.31	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.71	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.21	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.68	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	198.08	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.44	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.69	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.97	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.20	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.52	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.80	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.02	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.31	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	176.59	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	184.87	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.16	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	202.41	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.69	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.94	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.51	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.64	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.67	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	144.81	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.88	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.01	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	173.08	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.18	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1400	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.28	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	201.38	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1402	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.51	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	220.57	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	229.70	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	238.74	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.64	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.52	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.47	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.35	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.31	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.22	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.14	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	197.05	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.00	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	217.91	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.83	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	238.74	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	248.69	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	258.63	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1420 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1165)*

Note: US32

08 71 11 00-1421	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.25	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	104.72	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.12	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.56	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.99	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.46	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.87	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	150.34	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1429	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.74	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.21	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.68	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.12	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.56	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	196.96	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.70	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.96	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.29	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.59	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.88	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.18	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.50	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	183.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.09	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.39	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.72	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.99	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.32	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.61	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.12	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.31	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	160.46	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	171.62	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	183.80	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.89	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.08	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.23	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	229.42	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1458	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	240.57	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.69	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	263.92	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.04	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.20	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	159.63	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.65	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.66	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.67	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.72	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.70	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	238.71	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.69	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.78	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	278.79	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	291.81	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	305.85	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	318.80	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	331.82	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.05	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.89	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.83	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.67	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	240.57	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.44	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	270.29	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	285.16	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.07	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	315.91	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1487	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	330.79	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	346.69	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	361.59	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	376.47	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.68	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	219.67	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.53	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	253.52	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.47	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	288.33	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	305.32	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	331.86	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	340.21	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	357.13	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	374.06	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	392.01	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	408.94	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	425.86	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.45	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.23	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.05	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	280.83	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	300.69	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.54	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	338.29	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	357.13	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	376.92	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	395.76	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	414.58	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1516	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	434.39	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	453.21	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	471.99	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	245.12	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.80	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.47	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	307.15	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	328.89	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	349.60	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.31	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	390.98	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	412.69	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	433.36	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1529	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	454.04	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	475.74	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	496.48	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	517.16	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.80	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	288.33	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	310.93	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.50	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	357.13	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	379.67	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	402.23	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	424.83	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	448.43	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	470.96	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	493.56	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	517.16	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1545	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	539.75	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	562.29	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547		Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1165)*		
		Note: US15		
08 71 11 00-1548	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	131.22	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	141.69	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	152.26	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	162.74	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	174.34	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	184.84	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	195.38	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	205.88	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	217.38	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	227.95	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	238.46	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	250.03	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	260.54	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	271.07	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	160.13	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	173.31	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	186.42	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	199.57	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	213.74	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	226.92	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	240.04	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	253.18	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	267.39	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	280.54	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	293.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	307.90	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1574	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	321.02	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	334.17	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	189.06	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	204.85	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	220.61	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.40	3.87
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	253.18	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.00	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	284.79	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	300.55	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	317.37	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	333.13	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.88	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	365.71	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	381.53	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	397.29	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	218.99	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	237.43	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	255.83	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	274.22	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	293.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	312.08	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	330.48	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.88	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	368.35	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	386.75	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	405.15	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	424.61	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	443.08	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1603	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	461.47	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	319.76	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	347.36	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	374.93	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	402.49	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	431.09	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	458.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	486.25	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	513.82	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	542.42	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	569.99	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	597.56	4.64
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	626.15	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	653.72	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	681.28	4.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	356.69	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	387.65	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	418.54	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	449.50	4.13
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	481.42	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	512.35	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	543.28	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	574.20	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	606.13	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.09	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	668.05	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	699.97	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	730.93	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	761.83	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1632	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	395.50	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	429.91	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.23	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	498.65	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	534.01	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	568.36	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	602.74	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.09	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	672.54	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	706.86	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	741.21	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	776.62	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	810.97	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	845.36	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	433.31	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.15	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	508.93	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	546.70	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	585.58	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	623.36	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	661.17	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	698.94	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	737.82	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	775.59	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1656	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	813.40	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1657	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	852.21	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1658	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	889.98	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1659	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	927.83	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1660	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.15	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1661	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	512.35	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1662	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	553.58	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1663	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	594.82	4.39
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1664	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.09	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1665	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	678.33	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1666	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	719.63	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1667	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	760.80	4.64
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1668	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	803.06	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1669	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	844.33	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1670	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	885.56	4.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1671	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	927.83	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1672	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	969.06	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1673	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	1,010.29	5.16
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1674 Plastic Kick Plate *(08 71 11 00-0781)*

08 71 11 00-1675 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1674)*

Note: With four beveled edges.

08 71 11 00-1676	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	41.26	3.87
08 71 11 00-1677	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.57	3.87
08 71 11 00-1678	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.96	3.87
08 71 11 00-1679	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.29	3.87
08 71 11 00-1680	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.68	4.13
08 71 11 00-1681	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.01	4.13
08 71 11 00-1682	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.32	4.13
08 71 11 00-1683	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.71	4.13
08 71 11 00-1684	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.92	4.39
08 71 11 00-1685	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.38	4.39
08 71 11 00-1686	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.77	4.39
08 71 11 00-1687	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.14	4.64
08 71 11 00-1688	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.50	4.64
08 71 11 00-1689	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.84	4.64
08 71 11 00-1690	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.69	3.87
08 71 11 00-1691	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.65	3.87
08 71 11 00-1692	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.55	3.87
08 71 11 00-1693	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.46	3.87
08 71 11 00-1694	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.44	4.13
08 71 11 00-1695	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.35	4.13
08 71 11 00-1696	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.31	4.13
08 71 11 00-1697	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.21	4.13
08 71 11 00-1698	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.20	4.39
08 71 11 00-1699	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.10	4.39
08 71 11 00-1700	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.06	4.39
08 71 11 00-1701	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.00	4.64
08 71 11 00-1702	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.96	4.64
08 71 11 00-1703	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.86	4.64
08 71 11 00-1704	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.15	3.87
08 71 11 00-1705	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.68	3.87
08 71 11 00-1706	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.15	3.87
08 71 11 00-1707	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.71	3.87
08 71 11 00-1708	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.21	4.13
08 71 11 00-1709	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	72.77	4.13
08 71 11 00-1710	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.29	4.13
08 71 11 00-1711	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.79	4.13
08 71 11 00-1712	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.30	4.39
08 71 11 00-1713	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.82	4.39
08 71 11 00-1714	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.38	4.39
08 71 11 00-1715	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.89	4.64
08 71 11 00-1716	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.45	4.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1717	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.92	4.64
08 71 11 00-1718	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.61	4.13
08 71 11 00-1719	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.74	4.13
08 71 11 00-1720	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.81	4.13
08 71 11 00-1721	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.93	4.13
08 71 11 00-1722	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.06	4.39
08 71 11 00-1723	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.13	4.39
08 71 11 00-1724	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.25	4.39
08 71 11 00-1725	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.38	4.39
08 71 11 00-1726	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.49	4.64
08 71 11 00-1727	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.62	4.64
08 71 11 00-1728	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.71	4.64
08 71 11 00-1729	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.81	4.90
08 71 11 00-1730	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.94	4.90
08 71 11 00-1731	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.01	4.90
08 71 11 00-1732	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.78	4.13
08 71 11 00-1733	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.19	4.13
08 71 11 00-1734	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.51	4.13
08 71 11 00-1735	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.92	4.13
08 71 11 00-1736	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.35	4.39
08 71 11 00-1737	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.73	4.39
08 71 11 00-1738	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.14	4.39
08 71 11 00-1739	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.49	4.39
08 71 11 00-1740	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.93	4.64
08 71 11 00-1741	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.31	4.64
08 71 11 00-1742	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.72	4.64
08 71 11 00-1743	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.15	4.90
08 71 11 00-1744	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.47	4.90
08 71 11 00-1745	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.88	4.90
08 71 11 00-1746	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.15	4.13
08 71 11 00-1747	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.24	4.13
08 71 11 00-1748	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.27	4.13
08 71 11 00-1749	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.36	4.13
08 71 11 00-1750	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	242.96	4.39
08 71 11 00-1751	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.49	4.39
08 71 11 00-1752	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.58	4.39
08 71 11 00-1753	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.61	4.39
08 71 11 00-1754	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.74	4.64
08 71 11 00-1755	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.80	4.64
08 71 11 00-1756	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.83	4.64
08 71 11 00-1757	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.95	4.90
08 71 11 00-1758	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.98	4.90
08 71 11 00-1759	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.07	4.90
08 71 11 00-1760	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.61	4.39
08 71 11 00-1761	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.35	4.39
08 71 11 00-1762	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.07	4.39
08 71 11 00-1763	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.81	4.39
08 71 11 00-1764	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	119.60	4.64
08 71 11 00-1765	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.31	4.64
08 71 11 00-1766	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.05	4.64
08 71 11 00-1767	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.80	4.64
08 71 11 00-1768	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	147.54	4.90
08 71 11 00-1769	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	154.29	4.90
08 71 11 00-1770	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.00	4.90
08 71 11 00-1771	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.78	5.16
08 71 11 00-1772	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.52	5.16
08 71 11 00-1773	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.24	5.16
08 71 11 00-1774	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.04	4.39
08 71 11 00-1775	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.40	4.39
08 71 11 00-1776	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.83	4.39
08 71 11 00-1777	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.20	4.39
08 71 11 00-1778	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.70	4.64
08 71 11 00-1779	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.12	4.64
08 71 11 00-1780	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.49	4.64
08 71 11 00-1781	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.92	4.64
08 71 11 00-1782	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	160.32	4.90
08 71 11 00-1783	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	167.75	4.90
08 71 11 00-1784	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.17	4.90
08 71 11 00-1785	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	183.57	5.16
08 71 11 00-1786	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	191.00	5.16
08 71 11 00-1787	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	198.37	5.16
08 71 11 00-1788	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.40	4.39
08 71 11 00-1789	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.49	4.39
08 71 11 00-1790	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.60	4.39
08 71 11 00-1791	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.68	4.39
08 71 11 00-1792	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.80	4.64
08 71 11 00-1793	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	147.85	4.64
08 71 11 00-1794	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.93	4.64
08 71 11 00-1795	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.04	4.64
08 71 11 00-1796	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.15	4.90
08 71 11 00-1797	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	181.21	4.90
08 71 11 00-1798	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.29	4.90
08 71 11 00-1799	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	198.37	5.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1800	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	206.51	5.16
08 71 11 00-1801	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	214.59	5.16

08 71 11 00-1802 Mop Plate *(08 71 11 00-0780)*
Note: Ives 8400. See CSI section 08 71 11 00-0780 for 8" High Plates.

08 71 11 00-1803 Aluminum Base Material Mop Plate *(08 71 11 00-1802)*

08 71 11 00-1804 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1803)*
Note: US28

08 71 11 00-1805	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.16	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.84	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.45	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.13	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.42	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.04	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.71	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.32	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.87	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.51	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1815	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.16	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1816	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	53.83	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1817	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	55.50	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.12	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.24	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.70	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.20	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.67	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	52.78	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	55.22	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.75	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	60.18	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	63.55	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.01	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.51	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1830	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.01	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.50	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.94	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1833 Brass Base Material Mop Plate *(08 71 11 00-1802)*

08 71 11 00-1834 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1833)*

Note: US3/US4

08 71 11 00-1835	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.36	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	73.26	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	78.10	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	82.96	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	88.42	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	93.26	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	98.13	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	102.97	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	108.70	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	113.54	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	118.38	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.28	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.11	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	134.02	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	95.09	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	102.35	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.63	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	116.89	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.80	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	132.12	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	139.34	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	146.66	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	154.75	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	162.07	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1859	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	169.36	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	177.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	184.93	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	192.19	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1863 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1833)*

Note: US10/US10B

08 71 11 00-1864	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	74.66	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	80.06	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	85.50	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	90.90	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	96.96	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	102.39	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	107.83	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	113.27	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	119.51	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	124.94	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1874	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	130.38	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1875	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	136.85	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	142.28	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	147.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	104.46	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	112.65	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	120.77	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	144.72	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	137.63	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	145.75	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	153.88	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	162.00	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	171.05	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	179.18	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1888	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	187.30	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	196.45	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	204.57	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	212.70	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1892 Stainless Base Material Mop Plate *(08 71 11 00-1802)*

08 71 11 00-1893 Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1892)*

Note: US26/US26D

08 71 11 00-1894	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	73.71	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	79.01	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	84.35	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	89.70	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	95.62	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.97	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	106.31	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	111.62	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	117.83	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	123.20	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1904	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	128.54	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.91	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	140.22	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.56	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	103.03	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	111.00	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	119.02	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.05	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	135.63	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	143.66	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	151.62	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	159.65	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	168.55	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1917	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	176.51	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	184.54	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	193.53	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	201.56	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	209.55	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1922 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1892)*

Note: US32D

08 71 11 00-1923	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.76	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.50	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.31	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	40.09	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.52	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.32	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.07	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.88	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.52	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	52.33	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1933	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.14	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	56.92	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	58.72	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	60.50	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	44.54	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.26	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	49.94	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	52.65	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	55.92	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	58.60	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.32	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	64.00	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	67.58	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1946	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.23	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.91	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.65	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.30	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	82.01	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1951 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1892)*

Note: US32

08 71 11 00-1952	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	58.30	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.25	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	66.21	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	70.11	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	74.68	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	78.61	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	82.57	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	86.52	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.29	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	95.24	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1962	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	99.20	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	104.16	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	108.11	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	112.01	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	79.94	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	85.90	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.81	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	97.71	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	104.20	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.11	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	116.01	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	121.92	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	128.72	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1975	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	134.63	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	140.53	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	147.47	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	153.34	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	159.24	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1980 Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1892)*

Note: US15

08 71 11 00-1981	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	75.74	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	81.20	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	86.76	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	92.28	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	98.43	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	103.92	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	109.44	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	114.97	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	121.40	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	126.89	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1991	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	132.38	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1992	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	138.97	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1993	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	144.50	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1994	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	149.96	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1995	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	106.08	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1996	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	114.35	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1997	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	122.62	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1998	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	130.89	3.76
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1999	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	139.79	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2000	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	148.06	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2001	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	156.33	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2002	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	164.64	3.92
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2003	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	173.78	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2004	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	182.08	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2005	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	190.35	4.13
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2006	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	199.66	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2007	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	207.93	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2008	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	216.23	4.39
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-2009 Plastic Mop Plate *(08 71 11 00-1802)*

08 71 11 00-2010 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-2009)*

Note: With four beveled edges.

08 71 11 00-2011	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	31.41	3.76
08 71 11 00-2012	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.90	3.76
08 71 11 00-2013	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.41	3.76
08 71 11 00-2014	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.90	3.76
08 71 11 00-2015	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.00	3.92
08 71 11 00-2016	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.49	3.92
08 71 11 00-2017	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.97	3.92
08 71 11 00-2018	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.49	3.92
08 71 11 00-2019	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.84	4.13
08 71 11 00-2020	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.33	4.13
08 71 11 00-2021	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.81	4.13
08 71 11 00-2022	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.33	4.39
08 71 11 00-2023	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	51.84	4.39
08 71 11 00-2024	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.33	4.39
08 71 11 00-2025	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.61	3.76
08 71 11 00-2026	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.87	3.76
08 71 11 00-2027	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.09	3.76
08 71 11 00-2028	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.32	3.76
08 71 11 00-2029	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.20	3.92
08 71 11 00-2030	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	51.43	3.92
08 71 11 00-2031	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.65	3.92
08 71 11 00-2032	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	55.88	3.92
08 71 11 00-2033	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.01	4.13
08 71 11 00-2034	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.23	4.13
08 71 11 00-2035	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	63.46	4.13
08 71 11 00-2036	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.75	4.39
08 71 11 00-2037	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.98	4.39
08 71 11 00-2038	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.20	4.39

08 71 11 00-2039 Armor Door Plate *(08 71 11 00-0780)*

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-2040	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	29.05	0.64
08 71 11 00-2041	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	28.48	0.50
08 71 11 00-2042	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	32.33	0.64
08 71 11 00-2043	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	31.76	0.50
08 71 11 00-2044	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	70.29	0.64
08 71 11 00-2045	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	69.72	0.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2046		**Pull Handle And Plates** *(08 71 11 00-0780)*		
08 71 11 00-2047		**Pull Handle** *(08 71 11 00-2046)*		
08 71 11 00-2048	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	43.73	4.26
		For Stainless Steel, Add	*11.21*	
		For Brass, Add	*15.22*	
08 71 11 00-2049	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	47.19	4.26
		For Stainless Steel, Add	*12.67*	
		For Brass, Add	*17.19*	
08 71 11 00-2050	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	52.66	4.26
		For Stainless Steel, Add	*14.96*	
		For Brass, Add	*20.31*	
08 71 11 00-2051	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	55.69	4.26
		For Stainless Steel, Add	*16.24*	
		For Brass, Add	*22.04*	
08 71 11 00-2052	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	61.18	4.26
		For Stainless Steel, Add	*18.54*	
		For Brass, Add	*25.17*	
08 71 11 00-2053	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	68.27	4.26
		For Stainless Steel, Add	*21.52*	
		For Brass, Add	*29.21*	
08 71 11 00-2054	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	47.46	4.26
		For Stainless Steel, Add	*12.78*	
		For Brass, Add	*17.35*	
08 71 11 00-2055	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	55.02	4.26
		For Stainless Steel, Add	*15.96*	
		For Brass, Add	*21.65*	
08 71 11 00-2056	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	56.26	4.26
		For Stainless Steel, Add	*16.48*	
		For Brass, Add	*22.36*	
08 71 11 00-2057	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	132.63	4.26
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.85*	
		For Brass, Add	*20.11*	
08 71 11 00-2058	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	137.31	4.26
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*22.73*	
		For Brass, Add	*20.93*	
08 71 11 00-2059	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	146.71	4.26
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*24.51*	
		For Brass, Add	*22.56*	
08 71 11 00-2060	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	201.17	4.26
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*34.80*	
		For Brass, Add	*32.04*	
08 71 11 00-2061		**Pull Plate** *(08 71 11 00-2046)*		
08 71 11 00-2062	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	89.01	3.22
		For Stainless Steel, Add	*44.90*	
		For Brass, Add	*57.08*	
08 71 11 00-2063	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	91.66	3.22
		For Stainless Steel, Add	*46.47*	
		For Brass, Add	*59.07*	
08 71 11 00-2064	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	97.69	3.22
		For Stainless Steel, Add	*50.03*	
		For Brass, Add	*63.59*	
08 71 11 00-2065		**Push Bars And Plates** *(08 71 11 00-0780)*		
08 71 11 00-2066		**Push Bars** *(08 71 11 00-2065)*		
08 71 11 00-2067	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	311.66	3.22
08 71 11 00-2068	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	270.63	3.22
		For Brass Push Bar, Add	*44.85*	
08 71 11 00-2069	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	281.45	3.22
		For Brass Push Bar, Add	*46.73*	
08 71 11 00-2070	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	550.00	3.22
		For Brass Push Bar, Add	*93.46*	
08 71 11 00-2071		**Push Plates** *(08 71 11 00-2065)*		
08 71 11 00-2072		**Aluminum Push Plates** *(08 71 11 00-2071)*		
08 71 11 00-2073		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 11 00-2072)* Note: Ives 8200 Series.		
08 71 11 00-2074	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.02	3.22
08 71 11 00-2075	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.02	3.22
08 71 11 00-2076	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.02	3.22
08 71 11 00-2077	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	36.86	3.22
08 71 11 00-2078		**Stainless Steel Push Plates** *(08 71 11 00-2071)*		
08 71 11 00-2079		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2078)* Note: Ives 8200 Series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2080	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	32.02	3.22
08 71 11 00-2081	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	35.75	3.22
08 71 11 00-2082	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	44.24	3.22
08 71 11 00-2083	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	56.81	3.22
08 71 11 00-2084		**Brass Push Plates** *(08 71 11 00-2071)*		
08 71 11 00-2085		**Bright/Satin Brass Finish, Brass Push Plates** *(08 71 11 00-2084)*		
		Note: Ives 8200 Series.		
08 71 11 00-2086	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	43.38	3.22
08 71 11 00-2087	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	52.93	3.22
08 71 11 00-2088	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	75.93	3.22
08 71 11 00-2089	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	91.05	3.22
08 71 11 00-2090		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2084)*		
		Note: Ives 8200 Series.		
08 71 11 00-2091	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	51.02	3.22
08 71 11 00-2092	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	58.78	3.22
08 71 11 00-2093	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	79.85	3.22
08 71 11 00-2094	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	100.62	3.22
08 71 11 00-2095		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2084)*		
		Note: Ives 8200 Series.		
08 71 11 00-2096	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	51.02	3.22
08 71 11 00-2097	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	58.78	3.22
08 71 11 00-2098	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	83.57	3.22
08 71 11 00-2099	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	102.69	3.22
08 71 11 00-2100		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2084)*		
		Note: Ives 8200 Series.		
08 71 11 00-2101	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	51.02	3.22
08 71 11 00-2102	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	60.72	3.22
08 71 11 00-2103	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	89.46	3.22
08 71 11 00-2104	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	108.58	3.22
08 71 11 00-2105		**Anti-Vandal Pull** *(08 71 11 00-2065)*		
08 71 11 00-2106	EA	Anti-Vandal Pull With Astragal (Trimco 1096HA)	348.76	6.45
08 71 11 00-2107	EA	Anti-Vandal Pull Without Astragal (Trimco 1097HA)	348.76	6.45
08 71 11 00-2108		**Exit Devices** *(08 71 11)*		
08 71 11 00-2109		**Push Bar Exit Device (Von Duprin Series 22)** *(08 71 11 00-2108)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2110	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)	629.57	58.05
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2111	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)	723.51	58.05
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2112	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)	964.60	69.67
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2113	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)	1,198.58	64.50
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2114	EA	Dummy Trim (Von Duprin Series 22, 210DT)	78.89	9.68
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2115	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	195.86	12.90
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2116	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	388.98	19.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2117	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	384.65	19.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2118	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	383.57	19.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2119	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	290.99	19.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2120	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	118.13	7.74
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2121	EA	Dummy Trim (Von Duprin Series 22, 230DT)	134.12	9.68
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2122	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	253.27	12.90
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2123	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	286.67	19.35
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2124	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	285.58	19.35
		Note: Anodized finish: aluminum or dark brown.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2125		**Push Bar Exit Device, Narrow Stile (Von Duprin Series 33/35)** *(08 71 11 00-2108)* Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2126	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35) Note: Aluminum anodized finish.	1,585.68	58.05
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*138.08*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*54.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*417.81*	
		For Accessible Device (AX), Add	*143.09*	
08 71 11 00-2127	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527) Note: Aluminum anodized finish.	2,197.95	69.67
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.05*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.56*	
		For Accessible Device (AX), Add	*201.22*	
08 71 11 00-2128	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F) Note: Aluminum anodized finish.	2,246.70	69.67
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*211.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*198.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*78.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*601.79*	
		For Accessible Device (AX), Add	*206.09*	
08 71 11 00-2129	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish.	2,244.30	79.99
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*195.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*77.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*592.80*	
		For Accessible Device (AX), Add	*203.02*	
08 71 11 00-2130	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish.	2,370.06	79.99
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*220.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*208.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*81.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*629.53*	
		For Accessible Device (AX), Add	*215.59*	
08 71 11 00-2131	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish.	2,545.87	79.99
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*238.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*225.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*88.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*680.86*	
		For Accessible Device (AX), Add	*233.17*	
08 71 11 00-2132	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish.	2,671.63	79.99
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*251.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*237.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*93.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*717.58*	
		For Accessible Device (AX), Add	*245.75*	
08 71 11 00-2133	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	369.71	9.68
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*100.42*	
08 71 11 00-2134	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	408.92	12.90
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*35.98*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*108.86*	
08 71 11 00-2135	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	694.40	12.90
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*63.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*192.22*	
08 71 11 00-2136	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	686.20	19.35
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*185.30*	
08 71 11 00-2137	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	827.16	19.35
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*226.46*	
08 71 11 00-2138	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	809.39	19.35
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*221.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2139	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	817.69	19.35
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.93*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*223.70*	
08 71 11 00-2140		**Push Bar Exit Device (Von Duprin Series 98/99)** *(08 71 11 00-2108)*		
		Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2141	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)	1,332.83	58.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.86*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*114.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*182.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*373.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*117.80*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*173.17*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*117.80*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2142	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)	1,538.89	58.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.43*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.26*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*214.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*438.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*138.41*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*203.46*	
		For Accessible Device (AX), Add	*138.41*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2143	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,303.03	58.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*70.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*111.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*177.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*363.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*114.82*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*168.79*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*114.82*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2144	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,478.51	58.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*80.75*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*128.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*205.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*419.61*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*132.37*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*194.58*	
		For Accessible Device (AX), Add	*132.37*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2145	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,944.72	69.67
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*107.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*557.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.90*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.57*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*175.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2146	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,224.02	69.67
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*124.33*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.71*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.93*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*646.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.83*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.62*	
		For Accessible Device (AX), Add	*203.83*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2147	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,019.04	79.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*167.85*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*175.07*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*279.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*572.15*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*180.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*265.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*180.49*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2148	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,304.55	79.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.41*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*202.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*662.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*307.29*	
		For Accessible Device (AX), Add	*209.04*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2149	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,310.75	79.99
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.66*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*308.20*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*209.66*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2150	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F)	2,292.86	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*193.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*201.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*322.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*658.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*207.87*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*305.57*	
		For Accessible Device (AX), Add	*207.87*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2151	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	1,970.06	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*163.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*556.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.59*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.12*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*175.59*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2152	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,250.62	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*189.39*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.65*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*645.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.65*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.36*	
		For Accessible Device (AX), Add	*203.65*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2153	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,195.15	69.67
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*122.57*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*311.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*636.98*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*200.94*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*295.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*200.94*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2154	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,356.55	69.67
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.57*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*688.14*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*217.08*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*319.11*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*217.08*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2155	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	1,915.22	72.24
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*63.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*167.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*266.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*545.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*172.17*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*253.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*172.17*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2156	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,125.00	72.24
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*299.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*612.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.15*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*283.93*	
		For Accessible Device (AX), Add	*193.15*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2157	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	1,866.06	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*153.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*160.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*256.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*523.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*165.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*242.83*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*165.19*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2158	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,048.04	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*170.55*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.39*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.58*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*183.39*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2159	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,054.54	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*171.16*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*178.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*285.26*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*583.40*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*184.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*270.54*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*184.04*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2160	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,379.51	79.99
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*335.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*686.42*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.54*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.31*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*216.54*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2161	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,163.51	67.08
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*462.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*945.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*298.29*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*110.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*124.69*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Accessible Device (AX), Add	*298.29*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2162	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,369.57	67.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*494.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,010.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*318.90*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*133.30*	
		For Accessible Device (AX), Add	*318.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2163	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	3,751.07	82.57
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*546.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,117.93*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*352.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*131.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*147.41*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Accessible Device (AX), Add	*352.66*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2164	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	3,960.86	82.57
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*579.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,184.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*373.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*138.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.18*	
		For Accessible Device (AX), Add	*373.64*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2165	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	1,947.02	67.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*273.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*559.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*176.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*65.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.39*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*176.64*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2166	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,153.08	67.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*305.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*625.27*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*73.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*113.22*	
		For Accessible Device (AX), Add	*197.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2167	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	2,534.58	82.57
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*358.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*732.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*231.01*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.94*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.60*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*231.01*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2168	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F)	2,744.35	82.57
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*390.58*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*798.80*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*251.99*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*93.74*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*144.64*	
		For Accessible Device (AX), Add	*251.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Integrated Request to Exit (REX), Add	*266.39*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2169	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO)	152.55	7.74
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.42*	
08 71 11 00-2170	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	230.98	9.68
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.88*	
08 71 11 00-2171	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	353.95	12.90
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*54.03*	
08 71 11 00-2172	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	255.96	12.90
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.37*	
08 71 11 00-2173	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	623.81	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.17*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*97.28*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2174	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	525.82	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2175	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	525.82	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
08 71 11 00-2176	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	519.13	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.48*	
		For Electric Unlocking (E), Add	*745.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2177	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	421.14	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2178	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)	421.14	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
08 71 11 00-2179	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	502.39	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*76.63*	
08 71 11 00-2180	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	404.40	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2181	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	404.40	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2182	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	492.96	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*75.03*	
08 71 11 00-2183	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	394.97	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2184	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	394.97	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2185	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	441.66	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.70*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.55*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.31*	
08 71 11 00-2186	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	343.67	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2187	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	343.67	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2188	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	353.16	19.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*51.27*	

08 71 11 00-2189 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2108)*

08 71 11 00-2190	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	995.07	19.35
08 71 11 00-2191	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	838.05	19.35
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Panic Device Control Board, Add	*82.34*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2192	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	622.70	19.35
08 71 11 00-2193	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	361.10	19.35
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2194	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	634.99	19.35
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2195	EA	Request to Exit Push Pad Monitor Switch (RX)	213.70	12.90
08 71 11 00-2196	EA	Double Request To Exit (REX) Switch Kit	284.28	12.90
08 71 11 00-2197	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin) Note: For Von Duprin Series 33A/35A/98/99 Exit Device	1,001.33	

08 71 11 00-2198 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2108)*

08 71 11 00-2199	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	549.88	12.90
		For Owner Furnished Material, Deduct	*-498.28*	
08 71 11 00-2200	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	588.88	12.90
		For Owner Furnished Material, Deduct	*-537.28*	
08 71 11 00-2201	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	1,009.50	12.90
		For Owner Furnished Material, Deduct	*-957.90*	
08 71 11 00-2202	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	976.16	15.48
		For Owner Furnished Material, Deduct	*-914.24*	
08 71 11 00-2203	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	1,015.15	15.48
		For Owner Furnished Material, Deduct	*-953.23*	
08 71 11 00-2204	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	1,100.73	15.48
		For Owner Furnished Material, Deduct	*-1,038.81*	
08 71 11 00-2205	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	935.42	12.90
		For Owner Furnished Material, Deduct	*-883.82*	
08 71 11 00-2206	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	981.35	12.90
		For Owner Furnished Material, Deduct	*-929.75*	
08 71 11 00-2207	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,074.45	12.90
		For Owner Furnished Material, Deduct	*-1,022.85*	
08 71 11 00-2208	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,470.82	15.48
		For Owner Furnished Material, Deduct	*-1,408.90*	
08 71 11 00-2209	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,516.75	15.48
		For Owner Furnished Material, Deduct	*-1,454.83*	
08 71 11 00-2210	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	2,960.04	15.48
		For Owner Furnished Material, Deduct	*-2,898.12*	
08 71 11 00-2211	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	101.88	10.32
		For Owner Furnished Material, Deduct	*-81.24*	

08 71 11 00-2212 Cross Bar Exit Device, Narrow Stile (Von Duprin Series 55) *(08 71 11 00-2108)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2213	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	2,223.77	58.05
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*260.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*300.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.17*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*430.34*	
08 71 11 00-2214	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	2,843.14	79.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*331.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*381.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*502.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*546.83*	
08 71 11 00-2215	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	3,136.69	79.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*368.24*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*423.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*558.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*607.89*	
08 71 11 00-2216	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	2,915.71	79.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*340.40*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*391.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*516.00*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*561.92*	
08 71 11 00-2217	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	3,200.60	79.99
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*376.29*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*433.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*570.41*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*621.18*	
08 71 11 00-2218	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	2,167.13	72.24
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*248.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*286.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*376.96*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*410.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2219	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	2,358.86	72.24
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*272.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*313.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*413.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.39*	
08 71 11 00-2220	EA	Dummy Trim (DT) Pull Bracket (Von Duprin Series 55)	382.19	9.68
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.91*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.07*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*74.13*	
08 71 11 00-2221	EA	Cylinder Assembly (Von Duprin Series 55)	136.86	13.68
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*19.24*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.95*	
08 71 11 00-2222	EA	Night Latch Pull Trim (NL) With Cylinder (Von Duprin Series 55)	647.56	13.68
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.04*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*88.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*116.79*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*127.18*	
08 71 11 00-2223	EA	Thumbturn Trim (376T) With Cylinder (Von Duprin Series 55)	676.04	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2224	EA	Thumbturn - Blank Escutcheon (376T-BE) (Von Duprin Series 55)	543.38	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*71.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*93.93*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*102.29*	
08 71 11 00-2225	EA	Lever Trim (371L) With Cylinder (Von Duprin Series 55)	676.04	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2226	EA	Lever Trim (575L) With Cylinder (Von Duprin Series 55)	790.86	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*93.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*107.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*141.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*153.77*	
08 71 11 00-2227		Cross Bar Exit Device (Von Duprin Series 88) *(08 71 11 00-2108)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2228	EA	42" Crossbar, Rim Type, Exit Device	1,327.94	58.05
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*36.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*37.54*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*320.26*	
08 71 11 00-2229	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,586.84	58.05
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.39*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.94*	
08 71 11 00-2230	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,739.11	69.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*424.06*	
08 71 11 00-2231	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,299.12	69.67
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*576.95*	
08 71 11 00-2232	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,626.57	79.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*43.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*385.59*	
08 71 11 00-2233	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,135.80	79.99
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.57*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*61.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*524.61*	
08 71 11 00-2234	EA	42" Crossbar, Mortise Lock, Exit Device	1,796.67	72.24
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*49.70*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*437.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2235	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	1,928.83	72.24
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*53.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*55.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*473.75*	
08 71 11 00-2236	EA	Dummy Trim (Von Duprin Series 88, DT)	196.95	9.68
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.48*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*46.72*	
08 71 11 00-2237	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	315.00	12.90
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.65*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.92*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*76.13*	
08 71 11 00-2238	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	578.05	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*16.32*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.85*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*143.72*	
08 71 11 00-2239	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	534.72	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.98*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*15.46*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*131.89*	
08 71 11 00-2240	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	380.32	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	
08 71 11 00-2241	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	380.32	19.35
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	
08 71 11 00-2242		**Door Closers** *(08 71 11)*		
		Note: Includes standard cover and arm.		
08 71 11 00-2243	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	408.42	14.96
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2244	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	522.22	14.96
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2245	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	540.32	14.96
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2246	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	562.96	14.96
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2247	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	323.18	14.96
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2248	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	326.99	14.96
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2249	EA	Screen Door - Locking Handle	43.55	8.11
08 71 11 00-2250	EA	Screen Door - Closer	44.55	5.64
08 71 11 00-2251		**Concealed Door Closers** *(08 71 11)*		
08 71 11 00-2252	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,137.38	44.38
08 71 11 00-2253	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,244.04	44.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2254	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	617.00	18.06
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2255	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	679.40	18.06
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2256 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2257 Locksmith Services *(08 71 11 00-2256)*

08 71 11 00-2258	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.30	
		For >50, Deduct	*-0.46*	
08 71 11 00-2259	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	61.94	
		For >5, Deduct	*-6.19*	
08 71 11 00-2260	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	61.94	
		For >5, Deduct	*-6.19*	
08 71 11 00-2261	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	86.48	
		For >5, Deduct	*-6.19*	
08 71 11 00-2262	EA	Open Locked Doors	61.94	
08 71 11 00-2263	EA	Install Owner Furnished Cores And Cylinders	26.15	

08 71 11 00-2264 Mortise Locksets And Latchsets *(08 71 11 00-2256)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2265	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	895.63	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*27.85*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*25.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*42.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*297.94*	
08 71 11 00-2266	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	1,083.17	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.04*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.95*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.58*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.14*	
08 71 11 00-2267	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,215.82	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*38.42*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*34.93*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*58.21*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*410.97*	
08 71 11 00-2268	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	1,128.70	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*83.39*	
08 71 11 00-2269	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	1,128.70	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
08 71 11 00-2270	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,271.36	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*40.25*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*430.58*	
08 71 11 00-2271	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,081.86	12.90
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.00*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.68*	

08 71 11 00-2272 Locks And Latches *(08 71 11 00-2256)*

08 71 11 00-2273 Preassembled Locks And Latches *(08 71 11 00-2272)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2274	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) Note: Both sides always unlocked.	2,052.69	12.90
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*60.42*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*100.70*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*710.94*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*374.60*	
		For Grade 2, Deduct	*-783.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2275	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	2,228.77	12.90
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*65.70*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*109.50*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*773.09*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*407.35*	
		For Grade 2, Deduct	*-851.94*	
08 71 11 00-2276	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,544.48	12.90
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2277	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,544.48	12.90
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2278	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,544.48	12.90
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	

08 71 11 00-2279 Bored Locks And Latches *(08 71 11 00-2272)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2280	EA	Passage/Closet F75 Bored Latchset	248.62	12.90
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.85*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*69.55*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*36.65*	
		For Grade 2, Deduct	*-9.85*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.94*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2281	EA	Bath/Bedroom Privacy F76 Bored Lockset	295.60	12.90
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.38*	
		For Grade 2, Deduct	*-12.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.88*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2282	EA	Entrance/Office F82 Bored Lockset	333.48	12.90
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2283	EA	Classroom F84 Bored Lockset	333.48	12.90
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2284	EA	Storeroom/Closet F86 Bored Lockset	333.48	12.90
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2285	EA	Corridor/Dormitory F90 Bored Lockset	333.48	12.90
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2286		**Heavy-Duty Cylinder Lever Locksets** *(08 71 11 00-2272)* Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).		
08 71 11 00-2287	EA	Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	550.40	12.90
08 71 11 00-2288	EA	Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	599.42	12.90
08 71 11 00-2289	EA	Heavy-Duty Cylindrical, F82 Entrance Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	666.20	12.90
08 71 11 00-2290	EA	Heavy-Duty Cylindrical, F84 Classroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	666.20	12.90
08 71 11 00-2291	EA	Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	666.20	12.90
08 71 11 00-2292	EA	Heavy-Duty Cylindrical, F109 Entrance Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	666.20	12.90
08 71 11 00-2293	EA	Heavy-Duty Cylindrical Full Dummy Trim Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	510.35	12.90
08 71 11 00-2294		**Extra Heavy-Duty Cylinder Lever Locksets** *(08 71 11 00-2272)* Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2295	EA	Extra Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	616.89	12.90
08 71 11 00-2296	EA	Extra Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	697.37	12.90
08 71 11 00-2297	EA	Extra Heavy-Duty Cylindrical, F82 Entrance Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	764.19	12.90
08 71 11 00-2298	EA	Extra Heavy-Duty Cylindrical, F84 Classroom Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	764.19	12.90
08 71 11 00-2299	EA	Extra Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	764.19	12.90
08 71 11 00-2300	EA	Extra Heavy-Duty Cylindrical, F109 Entrance Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	764.19	12.90
08 71 11 00-2301	EA	Extra Heavy-Duty Cylindrical, F87 Utility Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	831.00	12.90
08 71 11 00-2302	EA	Extra Heavy-Duty Cylindrical Full Dummy Trim Lockset Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	541.56	12.90
08 71 11 00-2303		**Other Locks** *(08 71 11 00-2256)* Note: BHMA A156.5.		
08 71 11 00-2304	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	724.53	67.08
08 71 11 00-2305	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,760.06	134.17
08 71 11 00-2306	EA	Combination Lock, Security, CD-X09	4,007.14	39.23
08 71 11 00-2307	EA	Norden Box Lock	655.85	22.71
08 71 11 00-2308	EA	One Sided Deadbolt For Restroom Or Public Toilet Note: No exterior plate.	97.19	
08 71 11 00-2309	EA	Firehose Extinguisher Cabinet Lock	84.23	
08 71 11 00-2310	EA	Single Door Magnetic Locking Device, Aluminum Finish, Time Delay (ROFU 8011-LC-TD-US28)	940.01	32.51
08 71 11 00-2311	EA	Single Door Magnetic Locking Device, Brown Finish (ROFU 8011-LC-US40)	811.06	32.51
08 71 11 00-2312	EA	Single Door Magnetic Locking Device, Aluminum Finish (ROFU 8011-LC-US28)	811.06	32.51
08 71 11 00-2313	EA	12 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-12)	1,829.01	41.28
08 71 11 00-2314	EA	24 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-24)	1,923.25	41.28
08 71 11 00-2315	EA	1,200 Lb. Electromagnetic Lock With Infrared Remote Release (PowerMag RRPM1200PAK)	922.78	32.51
08 71 11 00-2316	EA	Surface Mounted Aluminum Storefront Door Closer (Norton 1601BF AL)	263.51	14.96
08 71 11 00-2317	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8301-689)	431.43	14.96
08 71 11 00-2318	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8301-689)	640.33	14.96
08 71 11 00-2319	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8501-689)	332.60	14.96
08 71 11 00-2320	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8501-689)	605.52	14.96
08 71 11 00-2321	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Full Metal Cover (Norton 8501M-689)	362.36	14.96
08 71 11 00-2322	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Architectural Plastic Cover (Norton 8501A-689)	528.17	14.96
08 71 11 00-2323	EA	12 Button Industrial Electronic Cylindrical Lock With Key Override (Alarm Lock DL3000IC26D)	1,676.84	32.69
08 71 11 00-2324	EA	12 Button Industrial Electronic Cylindrical Lock With HID Proximity Cards, Key Override (Alarm Lock PDL3000IC26D)	2,339.44	32.69
08 71 11 00-2325	EA	12 Button Industrial Electronic Mortise Lock With Key Override (Alarm Lock DL3500CRL26D)	1,870.53	32.69
08 71 11 00-2326	EA	3' General Security Chain With Green Vinyl Sleeve (Master Lock 73D)	12.30	
08 71 11 00-2327	EA	6' General Security Chain With Smoke Gray Vinyl Sleeve (Master Lock 74D)	24.10	
08 71 11 00-2328	EA	Resettable Combination Lock With 1" Hardened Steel Shackle (Master Lock 175D)	42.01	
08 71 11 00-2329	EA	2-1/8" Shrouded Iron Padlock (Master Lock 6521WO)	48.73	
08 71 11 00-2330	EA	2-5/8" Shrouded Iron Padlock (Master Lock 6527WO)	68.07	
08 71 11 00-2331	EA	1 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W1)	104.13	
08 71 11 00-2332	EA	15 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W15)	143.41	
08 71 11 00-2333	EA	27 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W27)	153.33	
08 71 11 00-2334	EA	Pin Tumbler Padlock, Red (American Lock A1105RED KD)	25.42	
08 71 11 00-2335	EA	Pin Tumbler Padlock, Red (American Lock A1106RED KD)	25.17	
08 71 11 00-2336	EA	6 Volt Battery (Alarm Lock BP6)	74.67	
08 71 11 00-2337	EA	6 Volt Battery (Alarm Lock S6061)	96.86	
08 71 11 00-2338	EA	6 Volt Battery (Alarm Lock S6065)	99.34	
08 71 11 00-2339	EA	Surface Mounted Door Alarm (Alarm Lock PG21MS)	460.53	26.15
08 71 11 00-2340	EA	Alarm Lock Keypad (Alarm Lock DK3000 26D)	788.84	26.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2341	EA	Removal And Replacement Of 2-3/8" Deadbolt (Lori Lock 4510 26D5001)	45.28	
08 71 11 00-2342	PR	Screen Door - Hinges	24.27	4.50

08 71 11 00-2343 Pushbutton Combination Locks *(08 71 11 00-2256)*

08 71 11 00-2344 Mechanical Pushbutton Combination Locks *(08 71 11 00-2343)*

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

08 71 11 00-2345 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)

(08 71 11 00-2344)

Note: Satin chrome or antique brass finish.

08 71 11 00-2346	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	720.36	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2347	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	789.72	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2348	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	817.46	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2349	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	886.83	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2350	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	838.27	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2351	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	907.64	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2352	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	935.38	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2353	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,004.74	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	

08 71 11 00-2354 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)

(08 71 11 00-2344)

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

08 71 11 00-2355	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	821.63	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2356	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	877.12	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2357	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	988.10	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2358	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,029.71	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2359	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,029.71	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2360	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	960.35	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2361		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) *(08 71 11 00-2344)*		
		Note: Satin chrome or antique brass finish.		
08 71 11 00-2362	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,039.43	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2363	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,081.04	32.69
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2364		Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) *(08 71 11 00-2344)*		
		Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2365	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	322.21	32.69
		For Schlage Core, Add	*50.61*	
08 71 11 00-2366	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	505.33	32.69
		For Schlage Core, Add	*50.61*	
08 71 11 00-2367		Electrical Pushbutton Combination Locks *(08 71 11 00-2343)*		
		Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2368		Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2367)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2369	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	755.04	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2370	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	921.51	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2371	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	963.13	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2372	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	893.76	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2373	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	824.40	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2374	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	963.13	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2375	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	990.87	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2376	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,032.49	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2377	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	963.13	32.69
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2378		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2367)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2379	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,032.49	32.69
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2380	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,032.49	32.69
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2381		Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2367)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2382	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,247.51	32.69
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2383	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,247.51	32.69
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2384		**Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)** *(08 71 11 00-2367)* Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2385	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,358.50	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2386	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,497.22	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2387	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,524.97	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2388	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,566.58	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2389	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,497.22	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2390		**Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)** *(08 71 11 00-2367)* Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2391	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,017.44	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2392	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,156.17	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2393	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,183.91	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2394	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,225.53	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2395	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,156.17	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*75.62*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2396		**Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)** *(08 71 11 00-2367)* Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2397	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	2,960.78	32.69
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	
08 71 11 00-2398		**Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)** *(08 71 11 00-2367)* Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2399	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,774.67	32.69
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 11 00-2400 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 11 00-2367)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2401	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	997.81	32.69
		For Owner Furnished Material, Deduct	*-867.04*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2402	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,164.28	32.69
		For Owner Furnished Material, Deduct	*-1,033.51*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2403	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,205.90	32.69
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2404	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,136.53	32.69
		For Owner Furnished Material, Deduct	*-1,005.76*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2405	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,067.17	32.69
		For Owner Furnished Material, Deduct	*-936.40*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2406	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,205.90	32.69
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2407	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,233.64	32.69
		For Owner Furnished Material, Deduct	*-1,102.87*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2408	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,275.26	32.69
		For Owner Furnished Material, Deduct	*-1,144.49*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2409	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,205.90	32.69
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2410 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2367)*

08 71 11 00-2411	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	798.24
08 71 11 00-2412	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,075.69
08 71 11 00-2413	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,491.87
08 71 11 00-2414	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	406.06
08 71 11 00-2415	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	129.61
		Note: Includes 4 C-cell battery pack.	
08 71 11 00-2416	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	158.74

08 71 11 00-2417 Electrical Pushbutton Combination Locks (Schlage) *(08 71 11 00-2367)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2418	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	907.37	32.25
		For Owner Furnished Material, Deduct	*-778.37*	
08 71 11 00-2419	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,082.11	32.25
		For Owner Furnished Material, Deduct	*-953.11*	
08 71 11 00-2420	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,246.63	32.25
		For Owner Furnished Material, Deduct	*-1,117.63*	
08 71 11 00-2421	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,689.14	32.25
		For Owner Furnished Material, Deduct	*-1,560.14*	
08 71 11 00-2422	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,865.01	32.25
		For Owner Furnished Material, Deduct	*-1,736.01*	
08 71 11 00-2423	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,071.52	32.25
		For Owner Furnished Material, Deduct	*-1,942.52*	
08 71 11 00-2424	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,887.71	32.25
		For Owner Furnished Material, Deduct	*-1,758.71*	

08 71 11 00-2425 Residential Locks And Latchsets *(08 71 11 00-2256)*

08 71 11 00-2426	EA	Residential Entry Lock Core Replacement, Master Keyed - Falcon Or Equal	49.39
08 71 11 00-2427	EA	Residential Deadbolt Core Replacement, Master Keyed - Falcon Or Equal	55.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2428	EA	Residential Entry Lockset With Knobs (Master Keyed)	48.45	7.84
08 71 11 00-2429	EA	Residential Privacy Lockset With Knobs	46.53	7.84
08 71 11 00-2430	EA	Residential Passage Lockset With Knobs	46.28	7.84
08 71 11 00-2431	EA	Residential Dummy Lockset With Knobs	34.97	6.54
08 71 11 00-2432	EA	Residential Entry Lockset With Levers (Master Keyed)	61.70	7.84
08 71 11 00-2433	EA	Residential Privacy Lockset With Levers	57.30	7.84
08 71 11 00-2434	EA	Residential Passage Lockset With Levers	54.12	7.84
08 71 11 00-2435	EA	Residential Dummy Lockset With Levers	36.49	6.54

08 71 11 00-2436 Deadbolts *(08 71 11 00-2256)*

08 71 11 00-2437 Cylindrical Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2436)*

Note: 2-3/8" or 2-3/4" backset.

08 71 11 00-2438	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	166.51	12.90
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2439	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	199.66	12.90
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

08 71 11 00-2440 Cylindrical Deadbolts, Grade 2, ANSI 156.5 *(08 71 11 00-2436)*

Note: 2-3/8" or 2-3/4" backset.

08 71 11 00-2441	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	143.80	12.90
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2442	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	180.02	12.90
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

08 71 11 00-2443 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2436)*

Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.

08 71 11 00-2444	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	218.58	12.90
08 71 11 00-2445	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	249.27	12.90
08 71 11 00-2446	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	212.44	12.90

08 71 11 00-2447 Mortised Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2436)*

Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.

08 71 11 00-2448	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	302.07	12.90
08 71 11 00-2449	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	352.41	12.90
08 71 11 00-2450	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	259.09	12.90

08 71 11 00-2451 Surface Mounted Deadbolts *(08 71 11 00-2436)*

08 71 11 00-2452	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	94.34	12.90
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2453	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	116.52	12.90
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2454	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	134.16	12.90
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2455	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	156.34	12.90
		For Brushed Chrome Finish, Add	*10.50*	

08 71 11 00-2456 Surface Mounted Deadlatches *(08 71 11 00-2256)*

08 71 11 00-2457	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	96.08	12.90
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2458	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	134.24	12.90
		For Brushed Chrome Finish, Add	*10.50*	

08 71 11 00-2459 Electric Strikes *(08 71 11 00-2256)*

08 71 11 00-2460	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	304.63	25.80
08 71 11 00-2461	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	1,085.49	25.80
08 71 11 00-2462	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	1,032.65	25.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2463	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	773.03	25.80
08 71 11 00-2464	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	1,091.12	25.80
08 71 11 00-2465	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	1,068.20	25.80
08 71 11 00-2466	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	1,173.98	25.80
08 71 11 00-2467	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	1,086.45	25.80
08 71 11 00-2468	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	486.30	25.80
08 71 11 00-2469	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	624.68	25.80
08 71 11 00-2470	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	255.99	25.80
08 71 11 00-2471	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	255.99	25.80
08 71 11 00-2472	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	356.13	25.80
08 71 11 00-2473	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	710.32	25.80
08 71 11 00-2474	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	302.37	25.80
08 71 11 00-2475	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	644.90	25.80
08 71 11 00-2476	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	558.56	25.80
08 71 11 00-2477	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	650.46	34.06
08 71 11 00-2478	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	758.15	34.06
08 71 11 00-2479	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	651.03	34.06

08 71 11 00-2480 Electric Hardware *(08 71 11 00-2256)*

08 71 11 00-2481	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	180.72	
08 71 11 00-2482	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	216.71	
08 71 11 00-2483	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	93.81	12.90
08 71 11 00-2484	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	367.32	12.90
08 71 11 00-2485	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	682.88	12.90
08 71 11 00-2486	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,079.81	12.90
08 71 11 00-2487	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,196.62	12.90
08 71 11 00-2488	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,440.20	12.90
08 71 11 00-2489	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,760.44	12.90
08 71 11 00-2490	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	72.86	12.90
08 71 11 00-2491	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	75.33	12.90
08 71 11 00-2492	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	90.49	12.90
08 71 11 00-2493	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	93.50	12.90
08 71 11 00-2494	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	95.03	12.90
08 71 11 00-2495	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	103.73	12.90
08 71 11 00-2496	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	74.42	12.90
08 71 11 00-2497	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	86.58	12.90
08 71 11 00-2498	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	96.20	12.90
08 71 11 00-2499	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	112.84	12.90
08 71 11 00-2500	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	117.45	12.90
08 71 11 00-2501	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	89.62	12.90
08 71 11 00-2502	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	106.64	12.90
08 71 11 00-2503	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	49.19	12.90
08 71 11 00-2504	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	62.36	12.90
08 71 11 00-2505	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	69.32	12.90
08 71 11 00-2506	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	76.77	12.90
08 71 11 00-2507	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	115.55	12.90
08 71 11 00-2508	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	131.74	12.90
08 71 11 00-2509	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	54.57	12.90
08 71 11 00-2510	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	59.65	12.90
08 71 11 00-2511	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	74.76	12.90
08 71 11 00-2512	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	98.82	12.90
08 71 11 00-2513	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	120.33	12.90
08 71 11 00-2514	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	155.67	12.90
08 71 11 00-2515	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	63.03	12.90
08 71 11 00-2516	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	70.82	12.90
08 71 11 00-2517	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	744.96	12.90
08 71 11 00-2518	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	797.69	18.06

08 71 11 00-2519 Magnetic Locks *(08 71 11 00-2256)*

08 71 11 00-2520	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	717.65	61.92
08 71 11 00-2521	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	877.87	69.67
08 71 11 00-2522	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	877.50	61.92
08 71 11 00-2523	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,037.40	69.67
08 71 11 00-2524	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	910.14	67.08
08 71 11 00-2525	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,019.77	67.08
08 71 11 00-2526	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,105.12	67.08
08 71 11 00-2527	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,200.60	77.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2528	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)	1,346.34	77.40
		Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2529	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P)	1,411.99	77.40
		Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2530	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	413.49	25.80
08 71 11 00-2531	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	740.91	25.80
08 71 11 00-2532	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	911.08	25.80
08 71 11 00-2533		**Occupancy Indicator Locks** *(08 71 11 00-2256)*		
08 71 11 00-2534	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571)	100.52	12.88
		Note: Standard finish is satin chrome		
		For Bright Brass Finish, Add	*5.41*	
		For Oil Rubbed Bronze Finish, Add	*14.48*	
		For Aged Bronze Finish, Add	*5.41*	
		For Satin Nickel Finish, Add	*5.41*	
08 71 11 00-2535	EA	Occupancy Indicator Lock And Lever (Vizilok C3F)	176.95	12.88
		Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
		For Oil Rubbed Bronze Finish, Add	*5.88*	
08 71 11 00-2536		**Door Coordinators** *(08 71 11)*		
08 71 11 00-2537	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)	427.01	16.13
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-145.00*	
08 71 11 00-2538	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series)	449.40	16.77
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-152.93*	
08 71 11 00-2539	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series)	458.67	17.42
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-155.60*	
08 71 11 00-2540	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series)	479.27	18.06
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-162.81*	
08 71 11 00-2541	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series)	517.64	18.71
		Note: Satin chrome finish. Includes two mounting brackets.		
		For Anodized Aluminum Finish, Deduct	*-177.13*	
08 71 11 00-2542	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	92.63	5.16
		For Anodized Aluminum Finish, Deduct	*-28.80*	
08 71 11 00-2543	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	101.31	5.81
		For Anodized Aluminum Finish, Deduct	*-31.24*	
08 71 11 00-2544	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	117.68	6.45
		For Anodized Aluminum Finish, Deduct	*-36.75*	
08 71 11 00-2545	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	76.98	6.45
08 71 11 00-2546	EA	7" Projection COR Series Gravity Type Door Coordinator	112.95	9.68
		For Anodized Aluminum Finish, Deduct	*-29.70*	
08 71 11 00-2547	EA	9" Projection COR Series Gravity Type Door Coordinator	124.83	9.68
		For Anodized Aluminum Finish, Deduct	*-34.45*	
08 71 11 00-2548		**Removal And Reinstallation Of Door Hardware** *(08 71 11)*		
		Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2549	EA	Removal And Reinstallation Of Door Lockset, Entrance	38.70	
08 71 11 00-2550	EA	Removal And Reinstallation Of Door Lockset, Mortise	61.92	
08 71 11 00-2551	EA	Removal And Reinstallation Of Deadbolt Lock	41.28	
08 71 11 00-2552	PR	Removal And Reinstallation Of Butts/Hinges	10.32	
08 71 11 00-2553	EA	Removal And Reinstallation Of Door Bumper	3.61	
08 71 11 00-2554	EA	Removal And Reinstallation Of Surface Mounted Panic Device	103.21	
08 71 11 00-2555	EA	Removal And Reinstallation Of Kick Plate	12.90	
08 71 11 00-2556	EA	Removal And Reinstallation Of Push Plate	10.32	
08 71 11 00-2557	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	51.60	
08 71 11 00-2558	EA	Removal And Reinstallation Of Door Handles	7.74	
08 71 11 00-2559		**Electromagnetic Door Release** *(08 71 11)*		
08 71 11 00-2560	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	453.88	32.51
08 71 11 00-2561	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	437.80	32.51
08 71 11 00-2562	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	518.87	32.51
08 71 11 00-2563	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	997.45	32.51
08 71 11 00-2564	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	954.78	32.51
08 71 11 00-2565	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	954.78	32.51
08 71 11 00-2566	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	850.40	32.51
08 71 11 00-2567	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,114.31	32.51
08 71 11 00-2568	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,018.58	32.51
08 71 11 00-2569	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,315.67	32.51
08 71 13		**Automatic Door Operators** *(08 71)*		
08 71 13 00-0001		Automatic Door Operators (LCN) *(08 71 13)*		
08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131)	3,319.49	64.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142)	3,319.49	64.50
08 71 13 00-0004	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153)	6,586.26	103.21
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,208.17	64.50
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,208.17	64.50
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553)	7,255.29	103.21
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563)	8,593.34	103.21
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805)	58.51	
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K)	359.75	
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813)	896.00	
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818)	175.97	
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T)	795.94	
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852)	256.65	
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866)	891.03	
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX)	90.74	
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607)	127.27	
08 71 13 00-0018		**Automatic Door Operators (Stanley)** *(08 71 13)*		
08 71 13 00-0019	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,051.28	64.50
08 71 13 00-0020	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	253.84	
08 71 13 00-0021	EA	Power Supply (Stanley Precision ELR151)	877.29	
08 71 13 00-0022	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,159.16	51.60
08 71 13 00-0023	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	433.33	34.42
08 71 13 00-0024	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	300.35	14.80
08 71 13 00-0025	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	167.72	14.80
08 71 13 00-0026	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	295.80	14.80
08 71 13 00-0027	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,108.68	22.23
08 71 13 00-0028		**Miscellaneous Devices** *(08 71 13)*		
08 71 13 00-0029	EA	Electric Power Transformer For Magnetic Monitor Switches (Von Duprin EPT-2)	603.48	19.35
08 71 13 00-0030	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	158.28	11.61
08 71 13 00-0031	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	212.30	11.61
08 71 13 00-0032	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	100.92	11.61
08 71 53		**Security Door Hardware** *(08 71)*		
08 71 53 00-0001		**Door Exit Alarm Hardware** *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	352.15	19.35
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	510.56	19.35
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	419.82	19.35
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	559.92	19.35
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	640.08	25.80
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	106.88	25.80

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001 Weather-Stripping And Seals *(08 72 33)*

08 72 33 00-0002 Astragals *(08 72 33 00-0001)*

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 72 33 00-0003 Adhesive Backed Astragals *(08 72 33 00-0002)*

08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	3.78	0.39
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	4.32	0.39
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	3.10	0.39

08 72 33 00-0007 Overlapping Astragals *(08 72 33 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0008		**Aluminum, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	13.43	2.32
		For Color Anodized Finish, Add	*2.65*	
08 72 33 00-0010		**Stainless Steel, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	32.28	2.32
08 72 33 00-0012		**"T" Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0013		**Aluminum, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	6.97	2.32
		For Color Anodized Finish, Add	*0.83*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	10.07	2.32
		For Color Anodized Finish, Add	*1.10*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	10.56	2.32
		For Color Anodized Finish, Add	*2.09*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	23.84	2.32
		For Color Anodized Finish, Add	*6.74*	
08 72 33 00-0018		**Brass/Bronze, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	33.00	2.32
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		**Locking Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0021		**Outswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0021)*		
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	33.61	2.32
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*5.80*	
08 72 33 00-0024	LF	Locking Spring-Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	39.83	2.32
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*7.05*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	38.33	2.32
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.02*	
08 72 33 00-0026	LF	Locking Spring-Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	43.38	2.32
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.33*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	40.22	2.32
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	39.99	2.32
		Note: Includes kerf-in foam seal.		
08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	20.57	2.32
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.20*	
08 72 33 00-0033	LF	Locking Spring-Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	25.77	2.32
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*4.24*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	22.54	2.32
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.59*	
08 72 33 00-0035	LF	Locking Spring-Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	27.69	2.32
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.62*	
08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	18.84	2.32
		For Color Anodized Finish, Add	*14.25*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	35.21	2.32
08 72 33 00-0039		Meeting Stile Astragals *(08 72 33 00-0002)*		
08 72 33 00-0040		One Piece, Meeting Stile Astragals *(08 72 33 00-0039)*		
		Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	9.89	2.32
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	15.72	3.45
		For Color Anodized Finish, Add	*3.54*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	23.41	3.45
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	24.39	3.45
		For Color Anodized Finish, Add	*4.38*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	19.69	3.45
08 72 33 00-0046		Two Piece, Meeting Stile Split Astragals *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	10.95	3.45
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	10.95	3.45
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	10.95	3.45
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	21.73	3.45
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.97*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	16.42	3.45
		For Color Anodized Finish, Add	*3.82*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	17.13	3.45
		For Color Anodized Finish, Add	*4.10*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	22.43	3.45
		For Color Anodized Finish, Add	*7.78*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	23.14	3.45
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	23.85	3.45
		For Color Anodized Finish, Add	*6.79*	
08 72 33 00-0056		Two Piece, Adjustable Meeting Stile Split Astragals *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0057		Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*		
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	48.95	3.45
		For Color Anodized Finish, Add	*10.52*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	50.06	3.45
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*8.64*	
08 72 33 00-0060		Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	103.10	3.45
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	96.37	3.45
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0063		Door Sweeps *(08 72 33 00-0001)*		
08 72 33 00-0064		Tack On Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	3.81	1.29
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	3.92	1.29

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08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	4.23	1.29
08 72 33 00-0068		**Aluminum Retainer Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0069		**35 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	10.28	2.57
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	10.81	2.57
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0072		**45 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	19.29	2.57
		For Color Anodized Finish, Add	*5.66*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	21.41	2.57
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	26.01	2.57
		For Color Anodized Finish, Add	*8.34*	
08 72 33 00-0076		**90 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	12.04	2.57
		For Color Anodized Finish, Add	*0.69*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	11.87	2.57
		For Color Anodized Finish, Add	*0.67*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	13.10	2.57
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	13.63	2.57
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	11.51	2.57
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	16.46	2.57
		For Color Anodized Finish, Add	*2.26*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	12.57	2.57
		For Color Anodized Finish, Add	*1.48*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	7.93	2.57
		For Color Anodized Finish, Add	*1.39*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	8.07	2.57
		For Color Anodized Finish, Add	*1.46*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	9.57	2.57
		For Color Anodized Finish, Add	*1.55*	
08 72 33 00-0087		**180 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		**180 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	9.92	2.57
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	10.28	2.57
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	13.10	2.57
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0092		**180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps** *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	13.28	2.57
		For Color Anodized Finish, Add	*3.25*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	13.63	2.57
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	15.12	2.57
		For Color Anodized Finish, Add	*3.99*	
08 72 33 00-0096		**Mortised, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	8.33	2.57
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	8.33	2.57
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	8.51	2.57
08 72 33 00-0100		**Aluminum Retainer Door Sweeps With Rain Drip** *(08 72 33 00-0063)*		

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08 72 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	7.98	2.57
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	10.28	2.57
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	12.00	2.57
		For Color Anodized Finish, Add	*1.37*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	12.31	2.57
		For Color Anodized Finish, Add	*1.43*	
08 72 33 00-0106		Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0107		90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	15.75	2.57
08 72 33 00-0109		Oak Retainer Door Sweeps *(08 72 33 00-0063)*		
08 72 33 00-0110		90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	11.69	2.57
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	14.48	2.57
08 72 33 00-0113		Door Shoes And Bottoms *(08 72 33 00-0001)*		
08 72 33 00-0114		Door Shoes *(08 72 33 00-0113)*		
08 72 33 00-0115		Aluminum Retainer Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	9.39	2.57
		For Color Anodized Finish, Add	*1.70*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	9.92	2.57
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	15.05	2.57
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0120		Side Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	11.69	2.57
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 211AV)	10.28	2.57
		For Color Anodized Finish, Add	*2.57*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 220AV)	11.34	2.57
		For Color Anodized Finish, Add	*2.48*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 217AV)	11.69	2.57
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2113AV)	18.88	2.57
		For Color Anodized Finish, Add	*2.75*	
08 72 33 00-0127	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2173AV)	19.23	2.57
		For Color Anodized Finish, Add	*2.82*	
08 72 33 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	10.63	2.57
		For Color Anodized Finish, Add	*2.74*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	11.69	2.57
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	11.87	2.57
		For Color Anodized Finish, Add	*2.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		Vinyl Door Shoes *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	14.09	2.57
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	18.11	2.57
08 72 33 00-0135		Door Bottoms *(08 72 33 00-0113)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0136		Automatic Door Bottoms *(08 72 33 00-0135)*		
08 72 33 00-0137		Aluminum Automatic Door Bottoms *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	28.43	2.57
		For Color Anodized Finish, Add	*4.66*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	43.00	2.57
		For Color Anodized Finish, Add	*7.57*	
08 72 33 00-0140		Door Top Protection *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	8.00	2.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	8.00	2.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	13.25	2.06
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.50*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	53.64	
08 72 33 00-0145		Perimeter Gasketing Weather-Strip *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	2.54	1.29
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	2.59	1.29
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	4.53	1.29
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	2.92	1.29
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	4.29	1.29
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	3.88	1.29
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.58	1.29
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.05	1.29
08 72 33 00-0155		Kerf-In Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	2.11	1.29
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	3.84	1.29
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	2.53	1.29
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	2.48	1.29
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.66	1.29
08 72 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	4.41	1.29
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	4.41	1.29
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	4.78	1.29
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	4.85	1.29
08 72 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	4.21	1.29
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	4.78	1.29
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	5.39	1.29
08 72 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	4.60	1.29
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	4.60	1.29
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	4.60	1.29
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	9.99	1.29
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	10.35	1.29
		For Color Anodized Finish, Add	*3.89*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	10.35	1.29
		For Color Anodized Finish, Add	*2.72*	
08 72 33 00-0179		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0180		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	9.73	1.29
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	11.13	1.29
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	13.60	1.29
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	23.48	1.29
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	20.19	1.29
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	12.47	2.57
		For Color Anodized Finish, Add	*2.93*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	13.09	2.57
		For Color Anodized Finish, Add	*3.18*	
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	19.99	1.29
		For Color Anodized Finish, Add	*3.48*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	21.23	1.29
		For Color Anodized Finish, Add	*3.73*	
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	17.03	4.13
		For Color Anodized Finish, Add	*2.69*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	20.03	4.13
		For Color Anodized Finish, Add	*3.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	22.42	5.15
		For Color Anodized Finish, Add	*6.68*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	25.80	5.15
		For Color Anodized Finish, Add	*6.46*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	29.85	5.15
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	35.86	5.15
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	43.04	6.18
		For Color Anodized Finish, Add	*6.89*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	47.11	6.18
		For Color Anodized Finish, Add	*7.91*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	53.59	6.18
		For Color Anodized Finish, Add	*9.53*	

08 72 43 00-0016 5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*

08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	19.50	4.13
		For Color Anodized Finish, Add	*3.22*	

08 72 43 00-0018 1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*

08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	19.68	4.13
		For Color Anodized Finish, Add	*4.69*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	23.84	5.15
		For Color Anodized Finish, Add	*7.67*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	27.28	5.15
		For Color Anodized Finish, Add	*7.20*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	30.20	5.15
		For Color Anodized Finish, Add	*6.06*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	35.86	5.15
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	45.16	6.18
		For Color Anodized Finish, Add	*10.39*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	48.88	6.18
		For Color Anodized Finish, Add	*13.36*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	52.59	6.18
		For Color Anodized Finish, Add	*14.85*	

08 72 43 00-0027 Brass/Bronze Saddle Thresholds *(08 72 43 00-0003)*

08 72 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*

08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	40.31	4.13

08 72 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*

08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	63.25	4.13
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	76.40	5.15
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	92.29	5.15
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	107.73	5.15
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	125.37	5.15
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	161.05	6.18

08 72 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds *(08 72 43 00-0027)*

08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	83.46	5.15
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	101.11	5.15
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	118.75	5.15
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	140.81	5.15
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	200.02	6.18
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	189.90	6.18

08 72 43 00-0044 Stainless Steel Saddle Thresholds *(08 72 43 00-0003)*

08 72 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds *(08 72 43 00-0044)*

08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	70.23	5.15
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	74.64	5.15

08 72 43 00-0048 Half Saddle Thresholds *(08 72 43 00-0002)*

08 72 43 00-0049 Aluminum Half Saddle Thresholds *(08 72 43 00-0048)*

Note: Includes mill finish.

08 72 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds *(08 72 43 00-0049)*

08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	30.61	5.15
		For Color Anodized Finish, Add	*7.09*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	43.46	5.15
		For Color Anodized Finish, Add	*3.06*	

08 72 43 00-0053 Offset Saddle Thresholds *(08 72 43 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0054		Aluminum Offset Saddle Thresholds *(08 72 43 00-0053)* Note: Includes mill finish.		
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	30.73	5.15
		For Color Anodized Finish, Add	*8.93*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	35.33	5.15
		For Color Anodized Finish, Add	*7.86*	
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	30.73	5.15
		For Color Anodized Finish, Add	*8.93*	
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	37.09	5.15
		For Color Anodized Finish, Add	*8.47*	
08 72 43 00-0062		Modular Ramp Thresholds *(08 72 43 00-0001)* Note: Includes mill finish.		
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	35.92	5.15
		For Non-Slip Surfacing, Add	*76.83*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	46.41	5.67
		For Non-Slip Surfacing, Add	*98.20*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	60.59	6.45
		For Non-Slip Surfacing, Add	*133.59*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	80.09	6.70
		For Non-Slip Surfacing, Add	*180.06*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	94.42	7.21
		For Non-Slip Surfacing, Add	*239.97*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	118.92	7.99
		For Non-Slip Surfacing, Add	*267.64*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	132.94	8.76
		For Non-Slip Surfacing, Add	*300.09*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	141.04	9.28
		For Non-Slip Surfacing, Add	*306.23*	
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	65.48	6.45
		For Non-Slip Surfacing, Add	*142.02*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	78.63	6.70
		For Non-Slip Surfacing, Add	*176.12*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	99.67	7.73
		For Non-Slip Surfacing, Add	*218.97*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	118.87	8.24
		For Non-Slip Surfacing, Add	*266.19*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	137.99	8.76
		For Non-Slip Surfacing, Add	*313.22*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	151.49	9.28
		For Non-Slip Surfacing, Add	*345.64*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	188.85	9.80
		For Non-Slip Surfacing, Add	*440.10*	
08 72 43 00-0080		7" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	76.76	6.96
		For Non-Slip Surfacing, Add	*175.98*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	90.94	7.73
		For Non-Slip Surfacing, Add	*211.37*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	110.96	8.24
		For Non-Slip Surfacing, Add	*255.07*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	125.29	8.76
		For Non-Slip Surfacing, Add	*290.98*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	149.27	9.28
		For Non-Slip Surfacing, Add	*339.87*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	162.78	9.80
		For Non-Slip Surfacing, Add	*372.32*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	189.88	10.31
		For Non-Slip Surfacing, Add	*423.18*	
08 72 43 00-0088		Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0089		Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	202.88	6.45
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	319.24	6.45
		For Non-Slip Surfacing, Add	*36.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	639.60	9.02
		For Non-Slip Surfacing, Add	*74.59*	
08 72 43 00-0093		**Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0088)*		
08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	202.88	6.45
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	319.24	6.45
		For Non-Slip Surfacing, Add	*36.76*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	639.60	9.02
		For Non-Slip Surfacing, Add	*74.59*	
08 72 43 00-0097		**Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0001)* Note: Includes vinyl or pile seal.		
08 72 43 00-0098		**Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0097)* Note: Includes mill finish.		
08 72 43 00-0099		**Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0098)*		
08 72 43 00-0100		**7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0099)*		
08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	39.92	5.15
		For Color Anodized Finish, Add	*9.46*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	30.91	5.15
		For Color Anodized Finish, Add	*9.02*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	45.58	5.15
		For Color Anodized Finish, Add	*11.45*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	48.05	5.15
		For Color Anodized Finish, Add	*12.31*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0105		**1" Height, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0099)*		
08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	28.79	5.15
		For Color Anodized Finish, Add	*7.96*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	31.26	5.15
		For Color Anodized Finish, Add	*9.19*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0108		**Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0098)*		
08 72 43 00-0109		**7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0108)*		
08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	33.91	5.15
		For Color Anodized Finish, Add	*8.41*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	36.21	5.15
		For Color Anodized Finish, Add	*9.33*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	39.57	5.15
		For Color Anodized Finish, Add	*9.34*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	43.37	5.15
		For Color Anodized Finish, Add	*10.67*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0114		**Brass/Bronze, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0097)*		
08 72 43 00-0115		**Brass/Bronze, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0114)*		
08 72 43 00-0116		**7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0115)*		
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	119.64	5.15
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	110.81	5.15
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	160.22	5.15
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	143.11	5.15
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0121		**1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds** *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	117.70	5.15
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	121.11	5.67
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	127.20	5.67
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	160.11	5.67
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	145.36	5.92
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	21.09	4.13
		For Color Anodized Finish, Add	*4.31*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	16.44	3.61
		For Color Anodized Finish, Add	*2.60*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	26.14	4.13
		For Color Anodized Finish, Add	*5.30*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	33.56	4.13
		For Color Anodized Finish, Add	*8.27*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	14.15	3.61
		For Color Anodized Finish, Add	*1.28*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	16.44	3.61
		For Color Anodized Finish, Add	*2.23*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	26.67	5.15
		For Color Anodized Finish, Add	*5.52*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	28.79	5.15
		For Color Anodized Finish, Add	*4.77*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	64.22	4.13
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	85.45	3.61
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	76.85	5.15
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	27.57	4.13
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	27.57	4.13
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	27.57	5.15
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets VCT Tile beneath a door.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	30.44	5.15
08 72 43 00-0158		**Residential Thresholds** *(08 72 43 00-0001)*		
08 72 43 00-0159		**Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	9.69	2.57
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	10.28	2.57
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	15.85	2.74
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	15.95	2.84
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	27.93	2.93
08 72 43 00-0165		**Vinyl Top, Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	12.93	2.57
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	16.48	2.84
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	37.16	2.84
08 72 43 00-0169		**Vinyl Top, Aluminum Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	12.99	2.57
		For Color Anodized Finish, Add	*2.62*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	15.59	2.84
		For Color Anodized Finish, Add	*3.39*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	17.01	2.84
		For Color Anodized Finish, Add	*3.96*	
08 72 43 00-0173		**Interlocking Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0174		**Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0175		**1/2" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	36.12	2.93
		For Color Anodized Finish, Add	*8.64*	
08 72 43 00-0177		**5/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	21.87	2.74
		For Color Anodized Finish, Add	*4.51*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	18.95	2.84
		For Color Anodized Finish, Add	*5.92*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	23.04	2.93
		For Color Anodized Finish, Add	*4.72*	
08 72 43 00-0181		**7/8" Height, Aluminum Interlocking Residential Thresholds** *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	25.87	2.93
		For Color Anodized Finish, Add	*9.28*	
08 72 43 00-0183		**Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0173)*		
08 72 43 00-0184		**1/2" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	88.92	2.93
08 72 43 00-0186		**5/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	66.66	2.84
08 72 43 00-0188		**7/8" Height, Brass/Bronze Interlocking Residential Thresholds** *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	91.13	2.93
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	131.05	3.01
08 72 43 00-0191		**Residential Door Sills** *(08 72 43 00-0001)*		
08 72 43 00-0192		**Fixed Aluminum Residential Door Sills** *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	17.38	2.93
		For Color Anodized Finish, Add	*5.04*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	18.99	3.01
		For Color Anodized Finish, Add	*4.58*	
08 72 43 00-0195		**Adjustable Aluminum Top, Aluminum Residential Door Sills** *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	28.18	2.93
		For Color Anodized Finish, Add	*7.30*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	28.92	3.01
		For Color Anodized Finish, Add	*7.49*	
08 72 43 00-0198		**Adjustable Wood Top, Aluminum Residential Door Sills** *(08 72 43 00-0191)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	28.82	2.84
		For Color Anodized Finish, Add	*7.60*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	29.03	2.93
		For Color Anodized Finish, Add	*5.43*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	30.42	3.01
		For Color Anodized Finish, Add	*5.72*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	9.57	2.57
		For Color Anodized Finish, Add	*3.09*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	10.98	2.57
		For Color Anodized Finish, Add	*2.92*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	12.40	2.57
		For Color Anodized Finish, Add	*1.81*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	13.15	4.78
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	15.03	4.78
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	17.55	4.78
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	23.18	4.78
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	29.83	4.78
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	81.34	4.28

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	1,729.02	109.92

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	12.72	2.58
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	32.08	2.58
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	29.46	2.58
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	32.71	2.58
08 78 00 00-0006	EA	Commercial U-Bar Lock	40.23	2.58
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	33.36	2.58
08 78 00 00-0008	EA	High Security Padlocks	29.89	2.58
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	14.63	2.58

08 79 Hardware Accessories *(08 70)*

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001		Key Cabinet *(08 79 13)*		
08 79 13 00-0002		Key Cabinets *(08 79 13 00-0001)*		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	532.05	9.28
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	724.71	10.31
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,653.25	15.45
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,328.57	20.61
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	4,648.12	13.66
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	10,572.27	10.31
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	222.61	4.13
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	319.95	5.15
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	296.54	7.74
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	339.41	7.74
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	26.32	
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	59.35	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.86	
		For Tinted Glass, Add	*2.22*	
		For Reflective Coated Glass, Add	*3.99*	
		For Low-E Coated Glass, Add	*2.22*	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.80*	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.50	
		For Low-E Coated Glass, Add	*2.38*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.52	
		For Tinted Glass, Add	*2.88*	
		For Reflective Coated Glass, Add	*5.18*	
		For Low-E Coated Glass, Add	*2.88*	
		For >50 To 200, Deduct	*-0.35*	
		For >200 To 400, Deduct	*-0.69*	
		For >400, Deduct	*-1.04*	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	19.16	
		For Reflective Coated Glass, Add	*8.62*	
		For Low-E Coated Glass, Add	*4.79*	
		For Tinted Glass, Add	*4.79*	
		For >50 To 200, Deduct	*-0.57*	
		For >200 To 400, Deduct	*-1.15*	
		For >400, Deduct	*-1.72*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.87	
		For Low-E Coated Glass, Add	*6.97*	
		For Reflective Coated Glass, Add	*12.54*	
		For Tinted Glass, Add	*6.97*	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.67*	
		For >400, Deduct	*-2.51*	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.63	
		For Low-E Coated Glass, Add	*7.66*	
		For Reflective Coated Glass, Add	*13.78*	
		For Tinted Glass, Add	*7.66*	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.76*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.64	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	
		For >50 To 200, Deduct	*-1.10*	
		For >200 To 400, Deduct	*-2.20*	
		For >400, Deduct	*-3.30*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	45.25	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
		For Tinted Glass, Add	*11.31*	
		For >50 To 200, Deduct	*-1.36*	
		For >200 To 400, Deduct	*-2.72*	
		For >400, Deduct	*-4.07*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.19	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	14.10	
		For Low-E Coated Glass, Add	*3.53*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	17.15	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.56	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
		For Tinted Glass, Add	*7.14*	
		For >50 To 200, Deduct	*-0.86*	
		For >200 To 400, Deduct	*-1.71*	
		For >400, Deduct	*-2.57*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	41.50	
		For Low-E Coated Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Tinted Glass, Add	*10.38*	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.49*	
		For >400, Deduct	*-3.74*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	45.58	
		For Low-E Coated Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Tinted Glass, Add	*11.40*	
		For >50 To 200, Deduct	*-1.37*	
		For >200 To 400, Deduct	*-2.73*	
		For >400, Deduct	*-4.10*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	54.53	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
		For >50 To 200, Deduct	*-1.64*	
		For >200 To 400, Deduct	*-3.27*	
		For >400, Deduct	*-4.91*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	67.37	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	
		For Tinted Glass, Add	*16.84*	
		For >50 To 200, Deduct	*-2.02*	
		For >200 To 400, Deduct	*-4.04*	
		For >400, Deduct	*-6.06*	

08 81 23 13-0021 Patterned Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0022 Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	72.10

08 81 23 13-0024 Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.80
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.80

08 81 23 13-0027 Wired Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	113.37
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	113.37

08 81 23 13-0031 Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*

08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	123.93

08 81 23 13-0033 Frosted Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0034 Frosted Factory Installed Glass *(08 81 23 13-0033)*

08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	57.32	
		For >50 To 200, Deduct	*-1.72*	
		For >200 To 400, Deduct	*-3.44*	
		For >400, Deduct	*-5.16*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	75.20	
		For >50 To 200, Deduct	*-2.26*	
		For >200 To 400, Deduct	*-4.51*	
		For >400, Deduct	*-6.77*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	95.06	
		For >50 To 200, Deduct	*-2.85*	
		For >200 To 400, Deduct	*-5.70*	
		For >400, Deduct	*-8.56*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	142.10	
		For >50 To 200, Deduct	*-4.26*	
		For >200 To 400, Deduct	*-8.53*	
		For >400, Deduct	*-12.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	54.41	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	108.33	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	167.43	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	221.59	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	36.98	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Low-E Coated Glass, Add	*9.25*	
		For >50 To 200, Deduct	*-1.11*	
		For >200 To 400, Deduct	*-2.22*	
		For >400, Deduct	*-3.33*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	46.16	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*9.23*	
		For >50 To 200, Deduct	*-1.38*	
		For >200 To 400, Deduct	*-2.77*	
		For >400, Deduct	*-4.15*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	53.32	
		For Reflective Coated Glass, Add	*16.00*	
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*10.66*	
		For Low-E Coated Glass, Add	*13.33*	
		For >50 To 200, Deduct	*-1.60*	
		For >200 To 400, Deduct	*-3.20*	
		For >400, Deduct	*-4.80*	
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	22.12	
		Note: Two 3/32" lites with 3/16" air space.		
		For Argon Gas, Add	*3.04*	
		For One Piece Fully Tempered Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.32*	
		For Low-E Coated Glass, Add	*5.53*	
		For Reflective Coated Glass, Add	*6.64*	
		For One Piece Obscure Glass, Add	*9.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-1.99*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	24.16	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	24.21	
		Note: Two 3/16" lites with 3/16" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.63*	
		For Low-E Coated Glass, Add	*6.05*	
		For Argon Gas, Add	*3.33*	
		For One Piece Obscure Glass, Add	*10.29*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.26*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.18*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	22.77	
		Note: Two 3/32" lites with 1/4" air space.		
		For Argon Gas, Add	*3.13*	
		For One Piece Fully Tempered Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.42*	
		For Low-E Coated Glass, Add	*5.69*	
		For Reflective Coated Glass, Add	*6.83*	
		For One Piece Obscure Glass, Add	*9.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.68*	
		For >200 To 400, Deduct	*-1.37*	
		For >400, Deduct	*-2.05*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	24.16	
		Note: Two 1/8" lites with 1/4" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: Two 3/16" lites with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	27.94	
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For Argon Gas, Add	*3.84*	
		For Tinted Glass, Add	*4.19*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.51*	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	24.44	
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	25.61	
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	28.40	
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass Note: Two 5/16" lites with 3/8" air space.	32.08	
		For One Piece Heat Strengthened Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.81*	
		For One Piece Obscure Glass, Add	*13.63*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.41*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Fully Tempered Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.62*	
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-2.89*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass	25.61	
		Note: Two 1/8" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: Two 3/16" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass	31.06	
		Note: Two 1/4" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*13.20*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.27*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Fully Tempered Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.32*	
		For >50 To 200, Deduct	*-0.93*	
		For >200 To 400, Deduct	*-1.86*	
		For >400, Deduct	*-2.80*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass	86.96	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*13.04*	
		For Argon Gas, Add	*11.96*	
		For Low-E Coated Glass, Add	*21.74*	
		For Reflective Coated Glass, Add	*26.09*	
		For >50 To 200, Deduct	*-2.61*	
		For >200 To 400, Deduct	*-5.22*	
		For >400, Deduct	*-7.83*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass	105.59	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*15.84*	
		For Argon Gas, Add	*14.52*	
		For Low-E Coated Glass, Add	*26.40*	
		For Reflective Coated Glass, Add	*31.68*	
		For >50 To 200, Deduct	*-3.17*	
		For >200 To 400, Deduct	*-6.34*	
		For >400, Deduct	*-9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	124.22	
		For Tinted Glass, Add	*18.63*	
		For Argon Gas, Add	*17.08*	
		For Low-E Coated Glass, Add	*31.06*	
		For Reflective Coated Glass, Add	*37.27*	
		For >50 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.45*	
		For >400, Deduct	*-11.18*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass	14.81	
		For Tinted Glass, Add	*2.22*	
		For Reflective Coated Glass, Add	*3.99*	
		For Low-E Coated Glass, Add	*2.22*	
		For >50 To 200, Deduct	*-0.80*	
		For >200 To 400, Deduct	*-1.48*	
		For >400, Deduct	*-2.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.46*	
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass	15.91	
		For Low-E Coated Glass, Add	*2.38*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For >50 To 200, Deduct	*-0.86*	
		For >200 To 400, Deduct	*-1.60*	
		For >400, Deduct	*-2.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.81*	
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass	18.39	
		For Tinted Glass, Add	*2.88*	
		For Reflective Coated Glass, Add	*5.18*	
		For Low-E Coated Glass, Add	*2.88*	
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.79*	
		For >400, Deduct	*-2.48*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass	26.94	
		For Reflective Coated Glass, Add	*8.62*	
		For Low-E Coated Glass, Add	*4.79*	
		For Tinted Glass, Add	*4.79*	
		For >50 To 200, Deduct	*-1.28*	
		For >200 To 400, Deduct	*-2.39*	
		For >400, Deduct	*-3.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.84*	
08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	36.57	
		For Low-E Coated Glass, Add	*6.97*	
		For Reflective Coated Glass, Add	*12.54*	
		For Tinted Glass, Add	*6.97*	
		For >50 To 200, Deduct	*-1.62*	
		For >200 To 400, Deduct	*-3.06*	
		For >400, Deduct	*-4.34*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.53*	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	40.25	
		For Low-E Coated Glass, Add	*7.66*	
		For Reflective Coated Glass, Add	*13.78*	
		For Tinted Glass, Add	*7.66*	
		For >50 To 200, Deduct	*-1.78*	
		For >200 To 400, Deduct	*-3.38*	
		For >400, Deduct	*-4.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	48.55	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	
		For >50 To 200, Deduct	*-2.17*	
		For >200 To 400, Deduct	*-4.10*	
		For >400, Deduct	*-5.80*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.93*	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	59.45	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
		For Tinted Glass, Add	*11.31*	
		For >50 To 200, Deduct	*-2.64*	
		For >200 To 400, Deduct	*-4.99*	
		For >400, Deduct	*-7.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.65*	

08 81 23 23-0011 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	19.14	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For >50 To 200, Deduct	*-0.93*	
		For >200 To 400, Deduct	*-1.74*	
		For >400, Deduct	*-2.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.46*	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	20.51	
		For Low-E Coated Glass, Add	*3.53*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For >50 To 200, Deduct	*-1.00*	
		For >200 To 400, Deduct	*-1.87*	
		For >400, Deduct	*-2.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.81*	
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	24.02	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
		For >50 To 200, Deduct	*-1.13*	
		For >200 To 400, Deduct	*-2.13*	
		For >400, Deduct	*-2.99*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0016	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	36.34	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
		For Tinted Glass, Add	*7.14*	
		For >50 To 200, Deduct	*-1.56*	
		For >200 To 400, Deduct	*-2.96*	
		For >400, Deduct	*-4.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.84*	
08 81 23 23-0017	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	50.20	
		For Low-E Coated Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Tinted Glass, Add	*10.38*	
		For >50 To 200, Deduct	*-2.03*	
		For >200 To 400, Deduct	*-3.88*	
		For >400, Deduct	*-5.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.53*	
08 81 23 23-0018	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	55.20	
		For Low-E Coated Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Tinted Glass, Add	*11.40*	
		For >50 To 200, Deduct	*-2.23*	
		For >200 To 400, Deduct	*-4.27*	
		For >400, Deduct	*-6.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	
08 81 23 23-0019	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	66.44	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
		For >50 To 200, Deduct	*-2.71*	
		For >200 To 400, Deduct	*-5.18*	
		For >400, Deduct	*-7.41*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.93*	
08 81 23 23-0020	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	81.57	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	
		For Tinted Glass, Add	*16.84*	
		For >50 To 200, Deduct	*-3.30*	
		For >200 To 400, Deduct	*-6.31*	
		For >400, Deduct	*-9.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.65*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	78.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	49.75	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.46*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	50.44	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.98*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	120.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	120.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0031		**Polished, Wired Field Installed Glass** *(08 81 23 23-0027)*		
08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	130.80	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0033		**Frosted Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0034		**Frosted Field Installed Glass** *(08 81 23 23-0033)*		
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	63.27	
		For >50 To 200, Deduct	*-2.26*	
		For >200 To 400, Deduct	*-4.39*	
		For >400, Deduct	*-6.41*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.46*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	81.61	
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.54*	
		For >400, Deduct	*-8.11*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.81*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	101.93	
		For >50 To 200, Deduct	*-3.47*	
		For >200 To 400, Deduct	*-6.80*	
		For >400, Deduct	*-10.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	150.80	
		For >50 To 200, Deduct	*-5.05*	
		For >200 To 400, Deduct	*-9.92*	
		For >400, Deduct	*-14.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.53*	
08 81 23 23-0039		**Fire Rated Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0040		**Fire Rated Field Installed Glass** *(08 81 23 23-0039)*		
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	61.28	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.50*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	115.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.50*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	174.30	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.50*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	228.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.50*	
08 81 23 23-0045		**Laminated Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0046		**Laminated Glass With PVB Interlayer, Field Installed Glass** *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	43.85	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Low-E Coated Glass, Add	*9.25*	
		For >50 To 200, Deduct	*-1.73*	
		For >200 To 400, Deduct	*-3.32*	
		For >400, Deduct	*-4.77*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	54.86	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*9.23*	
		For >50 To 200, Deduct	*-2.17*	
		For >200 To 400, Deduct	*-4.16*	
		For >400, Deduct	*-5.98*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.53*	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	62.94	
		For Reflective Coated Glass, Add	*16.00*	
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*10.66*	
		For Low-E Coated Glass, Add	*13.33*	
		For >50 To 200, Deduct	*-2.47*	
		For >200 To 400, Deduct	*-4.74*	
		For >400, Deduct	*-6.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	70.75	
		For Reflective Coated Glass, Add	*18.00*	
		For One Piece Fully Tempered Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*12.00*	
		For Low-E Coated Glass, Add	*15.00*	
		For >50 To 200, Deduct	*-2.77*	
		For >200 To 400, Deduct	*-5.32*	
		For >400, Deduct	*-7.66*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.07*	
08 81 23 23-0051		Insulated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0052		Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	29.81	
		Note: Two 3/32" lites with 3/16" air space.		
		For Argon Gas, Add	*3.04*	
		For One Piece Fully Tempered Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.32*	
		For Low-E Coated Glass, Add	*5.53*	
		For Reflective Coated Glass, Add	*6.64*	
		For One Piece Obscure Glass, Add	*9.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-1.36*	
		For >200 To 400, Deduct	*-2.56*	
		For >400, Deduct	*-3.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.77*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	32.17	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.73*	
		For >400, Deduct	*-3.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.01*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	32.36	
		Note: Two 3/16" lites with 3/16" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.63*	
		For Low-E Coated Glass, Add	*6.05*	
		For Argon Gas, Add	*3.33*	
		For One Piece Obscure Glass, Add	*10.29*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.26*	
		For >50 To 200, Deduct	*-1.46*	
		For >200 To 400, Deduct	*-2.76*	
		For >400, Deduct	*-3.89*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.11*	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	30.60	
		Note: Two 3/32" lites with 1/4" air space.		
		For Argon Gas, Add	*3.13*	
		For One Piece Fully Tempered Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.42*	
		For Low-E Coated Glass, Add	*5.69*	
		For Reflective Coated Glass, Add	*6.83*	
		For One Piece Obscure Glass, Add	*9.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-1.39*	
		For >200 To 400, Deduct	*-2.62*	
		For >400, Deduct	*-3.69*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	32.17	
		Note: Two 1/8" lites with 1/4" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.73*	
		For >400, Deduct	*-3.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.01*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	32.99	
		Note: Two 3/16" lites with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-2.83*	
		For >400, Deduct	*-4.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.41*	
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	32.99	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-2.83*	
		For >400, Deduct	*-4.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.41*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	37.27	
		Note: Two 1/4" lites with 1/4" air space.		
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For Argon Gas, Add	*3.84*	
		For Tinted Glass, Add	*4.19*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-1.68*	
		For >200 To 400, Deduct	*-3.17*	
		For >400, Deduct	*-4.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.00*	

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	32.99	
		Note: Two 1/8" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-2.83*	
		For >400, Deduct	*-4.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	34.94	
		Note: Two 3/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-3.03*	
		For >400, Deduct	*-4.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.00*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	37.93	
		Note: Two 1/4" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-1.71*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.15*	
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass	41.70	
		Note: Two 5/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.81*	
		For One Piece Obscure Glass, Add	*13.63*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.41*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Fully Tempered Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.62*	
		For >50 To 200, Deduct	*-1.83*	
		For >200 To 400, Deduct	*-3.46*	
		For >400, Deduct	*-4.91*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass	34.94	
		Note: Two 1/8" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-3.03*	
		For >400, Deduct	*-4.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.00*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass	37.93	
		Note: Two 3/16" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-1.71*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass	37.93	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-1.71*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.15*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass	40.68	
		Note: Two 1/4" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*13.20*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.27*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Fully Tempered Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.32*	
		For >50 To 200, Deduct	*-1.80*	
		For >200 To 400, Deduct	*-3.40*	
		For >400, Deduct	*-4.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	
08 81 23 23-0073		**Laminated Insulated Glass, Field Installed Glass** *(08 81 23 23-0051)*		
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass	96.58	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*13.04*	
		For Argon Gas, Add	*11.96*	
		For Low-E Coated Glass, Add	*21.74*	
		For Reflective Coated Glass, Add	*26.09*	
		For >50 To 200, Deduct	*-3.47*	
		For >200 To 400, Deduct	*-6.76*	
		For >400, Deduct	*-9.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.22*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass	116.58	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*15.84*	
		For Argon Gas, Add	*14.52*	
		For Low-E Coated Glass, Add	*26.40*	
		For Reflective Coated Glass, Add	*31.68*	
		For >50 To 200, Deduct	*-4.16*	
		For >200 To 400, Deduct	*-8.09*	
		For >400, Deduct	*-11.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.24*	
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass	136.82	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*18.63*	
		For Argon Gas, Add	*17.08*	
		For Low-E Coated Glass, Add	*31.06*	
		For Reflective Coated Glass, Add	*37.27*	
		For >50 To 200, Deduct	*-4.86*	
		For >200 To 400, Deduct	*-9.47*	
		For >400, Deduct	*-13.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.45*	
08 81 23 23-0077		**Spandrel Field Installed Glass** *(08 81 23 23)*		
08 81 23 23-0078		**Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass** *(08 81 23 23-0077)*		
08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	31.56	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.72*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	26.43	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.72*	
08 81 23 23-0081		**Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass** *(08 81 23 23-0077)*		
08 81 23 23-0082		**1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass** *(08 81 23 23-0081)*		
		Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	36.92	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.72*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	31.09	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.72*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0085		1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*			
08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass		47.02	
		For Glass Removal And Preparing Opening For New Glazing, Add		*5.72*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass		35.59	
		For Glass Removal And Preparing Opening For New Glazing, Add		*5.72*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001		Mirror Glass *(08 83 13)*			
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*			
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)		86.56	3.43
		For >50 To 200, Deduct		*-2.39*	
		For >200 To 400, Deduct		*-3.99*	
		For >400, Deduct		*-6.38*	
08 83 13 00-0004		Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*			
08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)		126.27	3.43
		For >50 To 200, Deduct		*-3.58*	
		For >200 To 400, Deduct		*-5.97*	
		For >400, Deduct		*-9.56*	
08 83 13 00-0006		Clear Mirror Glass *(08 83 13 00-0001)*			
08 83 13 00-0007	SF	1/8" Clear Mirror Glass		23.23	2.75
		For >50 To 200, Deduct		*-0.53*	
		For >200 To 400, Deduct		*-0.89*	
		For >400, Deduct		*-1.42*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass		27.79	3.21
		For >50 To 200, Deduct		*-0.64*	
		For >200 To 400, Deduct		*-1.07*	
		For >400, Deduct		*-1.72*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass		30.72	3.43
		For >50 To 200, Deduct		*-0.72*	
		For >200 To 400, Deduct		*-1.20*	
		For >400, Deduct		*-1.91*	
08 83 13 00-0010		Tempered, Clear Mirror Glass *(08 83 13 00-0001)*			
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass		44.52	2.75
		For >50 To 200, Deduct		*-1.17*	
		For >200 To 400, Deduct		*-1.95*	
		For >400, Deduct		*-3.12*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass		50.39	3.21
		For >50 To 200, Deduct		*-1.32*	
		For >200 To 400, Deduct		*-2.20*	
		For >400, Deduct		*-3.53*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass		55.92	3.43
		For >50 To 200, Deduct		*-1.47*	
		For >200 To 400, Deduct		*-2.46*	
		For >400, Deduct		*-3.93*	
08 83 13 00-0014		Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*			
08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing		32.54	3.43
		For >50 To 200, Deduct		*-0.77*	
		For >200 To 400, Deduct		*-1.29*	
		For >400, Deduct		*-2.06*	
08 83 13 00-0016		Laminated Safety Mirror Glass *(08 83 13 00-0001)*			
		Note: Clear glass laminated to face of mirror with PVB interlayer.			
08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass		72.67	3.43
		For >50 To 200, Deduct		*-1.98*	
		For >200 To 400, Deduct		*-3.29*	
		For >400, Deduct		*-5.27*	
08 83 13 00-0018		Accessories For Mirror Glass *(08 83 13)*			
08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass		3.54	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass		3.65	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass		5.13	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass		7.21	

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	12.80	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.32*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	13.57	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.49*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	16.98	
		For >50 To 200, Deduct	*-0.62*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.67*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.91	
		For >50 To 200, Deduct	*-1.11*	
		For >200 To 400, Deduct	*-2.21*	
		For >400, Deduct	*-3.32*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.80*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	35.20	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-3.01*	
		For >400, Deduct	*-4.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	21.76	
		For >50 To 200, Deduct	*-0.87*	
		For >200 To 400, Deduct	*-1.74*	
		For >400, Deduct	*-2.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.32*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	25.95	
		For >50 To 200, Deduct	*-1.07*	
		For >200 To 400, Deduct	*-2.15*	
		For >400, Deduct	*-3.22*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.49*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	27.51	
		For >50 To 200, Deduct	*-1.14*	
		For >200 To 400, Deduct	*-2.28*	
		For >400, Deduct	*-3.43*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.67*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	48.91	
		For >50 To 200, Deduct	*-2.21*	
		For >200 To 400, Deduct	*-4.41*	
		For >400, Deduct	*-6.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.80*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	51.90	
		For >50 To 200, Deduct	*-2.34*	
		For >200 To 400, Deduct	*-4.68*	
		For >400, Deduct	*-7.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	8.14	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.12*	
		For Colored, Add	*0.80*	
		For Shatterproof, Add	*2.41*	
		For Mirrored, Add	*3.22*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	8.38	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.32*	
		For Colored, Add	*0.81*	
		For Shatterproof, Add	*2.44*	
		For Mirrored, Add	*3.25*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	10.83	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.49*	
		For Colored, Add	*1.27*	
		For Shatterproof, Add	*3.80*	
		For Mirrored, Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	13.03	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.67*	
		For Colored, Add	*1.67*	
		For Shatterproof, Add	*5.02*	
		For Mirrored, Add	*6.69*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	13.45	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.69*	
		For Colored, Add	*1.75*	
		For Shatterproof, Add	*5.26*	
		For Mirrored, Add	*7.01*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.95	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.92*	
		For >400, Deduct	*-1.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*4.80*	
		For Colored, Add	*1.83*	
		For Shatterproof, Add	*5.49*	
		For Mirrored, Add	*7.32*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	17.25	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.15*	
		For Colored, Add	*2.42*	
		For Shatterproof, Add	*7.26*	
		For Mirrored, Add	*9.68*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	25.37	
		For >50 To 200, Deduct	*-0.94*	
		For >200 To 400, Deduct	*-1.89*	
		For >400, Deduct	*-2.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.52*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	36.08	
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.90*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.08*	

08 84 00 00-0023 Clear Polycarbonate Glazing (PolyGal) *(08 84)*

08 84 00 00-0024	SF	6mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	8.14	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.35*	
		For >400, Deduct	*-0.52*	
		For Colored, Add	*0.69*	
08 84 00 00-0025	SF	8mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	9.13	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.44*	
		For >400, Deduct	*-0.67*	
		For Colored, Add	*0.89*	
08 84 00 00-0026	SF	10mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	9.93	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.51*	
		For >400, Deduct	*-0.77*	
		For Colored, Add	*1.03*	
08 84 00 00-0027	SF	16mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	13.31	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.82*	
		For >400, Deduct	*-1.22*	
		For Colored, Add	*1.63*	
08 84 00 00-0028	SF	8mm Thick, Polycoolite Polycarbonate Glazing (PolyGal)	10.82	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.92*	
		For Colored, Add	*1.23*	
08 84 00 00-0029	SF	8mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	9.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.51*	
		For >400, Deduct	*-0.77*	
		For Colored, Add	*1.03*	
08 84 00 00-0030	SF	16mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	17.15	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.80*	
		For Colored, Add	*2.40*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 13 00-0001		**Window Tinting And Film** *(08 87 13)* Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.		
08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	5.22	
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	5.22	
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	8.95	
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	9.45	
		08 87 23 Safety and Security Films *(08 87)*		
		08 87 23 16 Security Films *(08 87 23)* Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.		
08 87 23 16-0001		**High Performance, Security And Safety Glazing Films** *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0002		**Clear, High Performance, Security And Safety Glazing Films** *(08 87 23 16-0001)*		
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	9.18	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.68*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	10.14	
		For >1,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.77*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	13.60	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-1.12*	
08 87 23 16-0006		**Tinted, High Performance Sun/Solar, Security And Safety Glazing Films** *(08 87 23 16-0001)*		
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	11.19	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.88*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	11.19	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.88*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	11.19	
		For >1,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.88*	
08 87 23 16-0010		**Security And Safety Glazing Films** *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	8.13	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.57*	
08 87 23 16-0012	SF	0.008" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	8.38	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
08 87 23 16-0013	SF	0.014" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	10.78	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.84*	
08 87 23 16-0014		**Anti-Graffiti Glazing Films** *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	8.13	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.57*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	8.38	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
		08 88 Special Function Glazing *(08 80)*		
		08 88 49 Radiation-Resistant Glazing *(08 88)*		
08 88 49 00-0001		**Leaded Glass (X-Ray Shielding)** *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	374.15	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	563.70	
08 88 49 00-0004		**Leaded Acrylic (X-Ray Shielding)** *(08 88 49)*		
08 88 49 00-0005	SF	7mm Thick, 0.3mm LE, 2.3 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	509.84	2.75
08 88 49 00-0006	SF	12mm Thick, 0.5mm LE, 3.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	685.72	4.58
08 88 49 00-0007	SF	18mm Thick, 0.8mm LE, 5.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	757.95	6.87
08 88 49 00-0008	SF	22mm Thick, 1mm LE, 7.2 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	779.15	8.25
08 88 49 00-0009	SF	35mm Thick, 1.5mm LE, 11.5 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	881.03	13.05
08 88 49 00-0010	SF	46mm Thick, 2mm LE, 15 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	1,160.36	17.40

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53		**Security Glazing** *(08 88)*		
08 88 53 00-0001		Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*		
08 88 53 00-0002		Ballistic Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	106.09	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.72*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	132.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.72*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	150.41	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.65*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	172.39	
		For Glass Removal And Preparing Opening For New Glazing, Add	*25.65*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	195.63	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.31*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	213.30	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.31*	
08 88 53 00-0009		Forced Entry Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	44.43	
		For Glass Removal And Preparing Opening For New Glazing, Add	*5.73*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	51.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.10*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	59.23	
		For Glass Removal And Preparing Opening For New Glazing, Add	*6.54*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	73.40	
		For Glass Removal And Preparing Opening For New Glazing, Add	*7.05*	
08 88 53 00-0014		Glass Clad Polycarbonate *(08 88 53)*		
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	165.85	
		For Glass Removal And Preparing Opening For New Glazing, Add	*27.85*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	183.26	
		For Glass Removal And Preparing Opening For New Glazing, Add	*32.24*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	243.21	
		For Glass Removal And Preparing Opening For New Glazing, Add	*36.64*	
08 88 53 00-0018		Ballistic Resistant Acrylic *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	179.47	
		For Glass Removal And Preparing Opening For New Glazing, Add	*27.85*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	210.48	
		For Glass Removal And Preparing Opening For New Glazing, Add	*32.24*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	284.06	
		For Glass Removal And Preparing Opening For New Glazing, Add	*36.64*	
08 88 53 00-0022		Ballistic Resistant Fiberglass *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	65.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.92*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	78.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.12*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	88.93	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.32*	
08 88 53 00-0026		Forced Entry And/or Ballistic Resistant Polycarbonate *(08 88 53)*		
08 88 53 00-0027		Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)* Note: (GE-Lexan MR10)		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	84.65	
		For Glass Removal And Preparing Opening For New Glazing, Add	*22.20*	
08 88 53 00-0029		Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	104.59	
		For Glass Removal And Preparing Opening For New Glazing, Add	*27.47*	
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)* Note: (GE-Lexgard MPC-500)		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	138.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.31*	
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)* Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Firegard)		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	153.36	
		For Glass Removal And Preparing Opening For New Glazing, Add	*31.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	129.70	
		For Glass Removal And Preparing Opening For New Glazing, Add	*27.47*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	304.74	
		For Glass Removal And Preparing Opening For New Glazing, Add	*60.82*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	310.14	
		For Glass Removal And Preparing Opening For New Glazing, Add	*60.82*	
08 88 53 00-0040		**Ballistic Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	201.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*41.03*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001		**Motorized Wall Louver Actuator** *(08 91 13)* See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,794.80	56.40
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	2,852.41	56.40
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	1,945.55	56.40
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,153.41	56.40

08 91 16 Operable Wall Louvers *(08 91)*

08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	513.90	14.93
		For Flange Frame, Add	*48.41*	
		For Clear Lacquer Finish, Add	*96.81*	
		For Baked Enamel Standard Colors, Add	*145.22*	
		For Anodized Finish, Add	*193.62*	
		For Kynar® Standard Colors Finish, Add	*266.23*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	643.03	18.25
		For Flange Frame, Add	*60.65*	
		For Clear Lacquer Finish, Add	*121.31*	
		For Baked Enamel Standard Colors, Add	*181.96*	
		For Anodized Finish, Add	*242.62*	
		For Kynar® Standard Colors Finish, Add	*333.60*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	760.37	21.57
		For Flange Frame, Add	*71.72*	
		For Clear Lacquer Finish, Add	*143.45*	
		For Baked Enamel Standard Colors, Add	*215.17*	
		For Anodized Finish, Add	*286.90*	
		For Kynar® Standard Colors Finish, Add	*394.48*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	890.67	24.89
		For Flange Frame, Add	*84.09*	
		For Clear Lacquer Finish, Add	*168.18*	
		For Baked Enamel Standard Colors, Add	*252.27*	
		For Anodized Finish, Add	*336.36*	
		For Kynar® Standard Colors Finish, Add	*462.50*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,003.30	28.19
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,187.78	31.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,355.76	34.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,503.52	39.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,603.18	43.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*151.69*	
		For Clear Lacquer Finish, Add	*303.39*	
		For Baked Enamel Standard Colors, Add	*455.08*	
		For Anodized Finish, Add	*606.77*	
		For Kynar® Standard Colors Finish, Add	*834.31*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,729.95	46.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,840.23	49.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,983.48	53.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*187.73*	
		For Clear Lacquer Finish, Add	*375.46*	
		For Baked Enamel Standard Colors, Add	*563.20*	
		For Anodized Finish, Add	*750.93*	
		For Kynar® Standard Colors Finish, Add	*1,032.53*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,120.85	56.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,289.79	61.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*216.70*	
		For Clear Lacquer Finish, Add	*433.41*	
		For Baked Enamel Standard Colors, Add	*650.11*	
		For Anodized Finish, Add	*866.82*	
		For Kynar® Standard Colors Finish, Add	*1,191.87*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,411.64	66.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*227.89*	
		For Clear Lacquer Finish, Add	*455.79*	
		For Baked Enamel Standard Colors, Add	*683.68*	
		For Anodized Finish, Add	*911.57*	
		For Kynar® Standard Colors Finish, Add	*1,253.41*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	573.54	18.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*53.71*	
		For Clear Lacquer Finish, Add	*107.41*	
		For Baked Enamel Standard Colors, Add	*161.12*	
		For Anodized Finish, Add	*214.82*	
		For Kynar® Standard Colors Finish, Add	*295.38*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	723.64	23.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	850.41	26.55
		For Flange Frame, Add	*79.73*	
		For Clear Lacquer Finish, Add	*159.47*	
		For Baked Enamel Standard Colors, Add	*239.20*	
		For Anodized Finish, Add	*318.93*	
		For Kynar® Standard Colors Finish, Add	*438.53*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,058.01	33.17
		For Flange Frame, Add	*99.17*	
		For Clear Lacquer Finish, Add	*198.33*	
		For Baked Enamel Standard Colors, Add	*297.50*	
		For Anodized Finish, Add	*396.66*	
		For Kynar® Standard Colors Finish, Add	*545.41*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,205.98	36.49
		For Flange Frame, Add	*113.30*	
		For Clear Lacquer Finish, Add	*226.60*	
		For Baked Enamel Standard Colors, Add	*339.90*	
		For Anodized Finish, Add	*453.20*	
		For Kynar® Standard Colors Finish, Add	*623.14*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,353.94	39.81
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,532.51	43.13
		For Flange Frame, Add	*144.63*	
		For Clear Lacquer Finish, Add	*289.25*	
		For Baked Enamel Standard Colors, Add	*433.88*	
		For Anodized Finish, Add	*578.50*	
		For Kynar® Standard Colors Finish, Add	*795.44*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,699.11	48.10
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,830.37	53.08
		For Flange Frame, Add	*172.42*	
		For Clear Lacquer Finish, Add	*344.84*	
		For Baked Enamel Standard Colors, Add	*517.26*	
		For Anodized Finish, Add	*689.68*	
		For Kynar® Standard Colors Finish, Add	*948.32*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,959.50	56.40
		For Flange Frame, Add	*184.67*	
		For Clear Lacquer Finish, Add	*369.34*	
		For Baked Enamel Standard Colors, Add	*554.01*	
		For Anodized Finish, Add	*738.68*	
		For Kynar® Standard Colors Finish, Add	*1,015.69*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,080.38	59.72
		For Flange Frame, Add	*196.09*	
		For Clear Lacquer Finish, Add	*392.19*	
		For Baked Enamel Standard Colors, Add	*588.28*	
		For Anodized Finish, Add	*784.38*	
		For Kynar® Standard Colors Finish, Add	*1,078.52*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,238.94	63.04
		For Flange Frame, Add	*211.29*	
		For Clear Lacquer Finish, Add	*422.57*	
		For Baked Enamel Standard Colors, Add	*633.86*	
		For Anodized Finish, Add	*845.15*	
		For Kynar® Standard Colors Finish, Add	*1,162.08*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,391.62	66.35
		For Flange Frame, Add	*225.89*	
		For Clear Lacquer Finish, Add	*451.78*	
		For Baked Enamel Standard Colors, Add	*677.67*	
		For Anodized Finish, Add	*903.56*	
		For Kynar® Standard Colors Finish, Add	*1,242.40*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,575.86	71.33
		For Flange Frame, Add	*243.32*	
		For Clear Lacquer Finish, Add	*486.64*	
		For Baked Enamel Standard Colors, Add	*729.96*	
		For Anodized Finish, Add	*973.28*	
		For Kynar® Standard Colors Finish, Add	*1,338.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,713.02	76.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*256.04*	
		For Clear Lacquer Finish, Add	*512.08*	
		For Baked Enamel Standard Colors, Add	*768.12*	
		For Anodized Finish, Add	*1,024.16*	
		For Kynar® Standard Colors Finish, Add	*1,408.23*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	639.07	21.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.59*	
		For Clear Lacquer Finish, Add	*119.19*	
		For Baked Enamel Standard Colors, Add	*178.78*	
		For Anodized Finish, Add	*238.38*	
		For Kynar® Standard Colors Finish, Add	*327.77*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	812.72	26.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.96*	
		For Clear Lacquer Finish, Add	*151.93*	
		For Baked Enamel Standard Colors, Add	*227.89*	
		For Anodized Finish, Add	*303.86*	
		For Kynar® Standard Colors Finish, Add	*417.80*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,009.94	31.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,189.27	38.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.30*	
		For Clear Lacquer Finish, Add	*222.59*	
		For Baked Enamel Standard Colors, Add	*333.89*	
		For Anodized Finish, Add	*445.18*	
		For Kynar® Standard Colors Finish, Add	*612.13*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,352.55	41.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,525.24	44.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,736.59	49.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,910.03	56.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,048.58	59.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*192.91*	
		For Clear Lacquer Finish, Add	*385.83*	
		For Baked Enamel Standard Colors, Add	*578.74*	
		For Anodized Finish, Add	*771.66*	
		For Kynar® Standard Colors Finish, Add	*1,061.03*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,193.75	66.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*206.10*	
		For Clear Lacquer Finish, Add	*412.21*	
		For Baked Enamel Standard Colors, Add	*618.31*	
		For Anodized Finish, Add	*824.42*	
		For Kynar® Standard Colors Finish, Add	*1,133.57*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,334.65	69.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*219.53*	
		For Clear Lacquer Finish, Add	*439.06*	
		For Baked Enamel Standard Colors, Add	*658.59*	
		For Anodized Finish, Add	*878.12*	
		For Kynar® Standard Colors Finish, Add	*1,207.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,528.54	72.99
		For Flange Frame, Add	*238.26*	
		For Clear Lacquer Finish, Add	*476.51*	
		For Baked Enamel Standard Colors, Add	*714.77*	
		For Anodized Finish, Add	*953.03*	
		For Kynar® Standard Colors Finish, Add	*1,310.41*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,691.82	76.31
		For Flange Frame, Add	*253.92*	
		For Clear Lacquer Finish, Add	*507.84*	
		For Baked Enamel Standard Colors, Add	*761.76*	
		For Anodized Finish, Add	*1,015.68*	
		For Kynar® Standard Colors Finish, Add	*1,396.57*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,896.09	81.29
		For Flange Frame, Add	*273.35*	
		For Clear Lacquer Finish, Add	*546.71*	
		For Baked Enamel Standard Colors, Add	*820.06*	
		For Anodized Finish, Add	*1,093.41*	
		For Kynar® Standard Colors Finish, Add	*1,503.44*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,043.85	86.25
		For Flange Frame, Add	*287.13*	
		For Clear Lacquer Finish, Add	*574.27*	
		For Baked Enamel Standard Colors, Add	*861.40*	
		For Anodized Finish, Add	*1,148.53*	
		For Kynar® Standard Colors Finish, Add	*1,579.23*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	710.47	24.89
		For Flange Frame, Add	*66.07*	
		For Clear Lacquer Finish, Add	*132.14*	
		For Baked Enamel Standard Colors, Add	*198.21*	
		For Anodized Finish, Add	*264.28*	
		For Kynar® Standard Colors Finish, Add	*363.39*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	946.12	33.17
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,125.68	38.15
		For Flange Frame, Add	*104.94*	
		For Clear Lacquer Finish, Add	*209.87*	
		For Baked Enamel Standard Colors, Add	*314.81*	
		For Anodized Finish, Add	*419.75*	
		For Kynar® Standard Colors Finish, Add	*577.15*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,322.88	43.13
		For Flange Frame, Add	*123.66*	
		For Clear Lacquer Finish, Add	*247.33*	
		For Baked Enamel Standard Colors, Add	*370.99*	
		For Anodized Finish, Add	*494.65*	
		For Kynar® Standard Colors Finish, Add	*680.15*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,501.47	46.44
		For Flange Frame, Add	*140.86*	
		For Clear Lacquer Finish, Add	*281.72*	
		For Baked Enamel Standard Colors, Add	*422.57*	
		For Anodized Finish, Add	*563.43*	
		For Kynar® Standard Colors Finish, Add	*774.72*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,683.37	51.42
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,906.71	54.74
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,093.33	59.72
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,248.36	63.04
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,412.38	69.67
		For Flange Frame, Add	*227.30*	
		For Clear Lacquer Finish, Add	*454.61*	
		For Baked Enamel Standard Colors, Add	*681.91*	
		For Anodized Finish, Add	*909.22*	
		For Kynar® Standard Colors Finish, Add	*1,250.17*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,571.90	74.65
		For Flange Frame, Add	*242.26*	
		For Clear Lacquer Finish, Add	*484.52*	
		For Baked Enamel Standard Colors, Add	*726.78*	
		For Anodized Finish, Add	*969.04*	
		For Kynar® Standard Colors Finish, Add	*1,332.44*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,778.76	77.97
		For Flange Frame, Add	*262.28*	
		For Clear Lacquer Finish, Add	*524.57*	
		For Baked Enamel Standard Colors, Add	*786.85*	
		For Anodized Finish, Add	*1,049.13*	
		For Kynar® Standard Colors Finish, Add	*1,442.56*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,957.34	81.29
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,172.22	86.25
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,341.17	91.23
		For Flange Frame, Add	*315.87*	
		For Clear Lacquer Finish, Add	*631.74*	
		For Baked Enamel Standard Colors, Add	*947.61*	
		For Anodized Finish, Add	*1,263.48*	
		For Kynar® Standard Colors Finish, Add	*1,737.29*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	776.00	28.19
		For Flange Frame, Add	*71.96*	
		For Clear Lacquer Finish, Add	*143.92*	
		For Baked Enamel Standard Colors, Add	*215.88*	
		For Anodized Finish, Add	*287.84*	
		For Kynar® Standard Colors Finish, Add	*395.78*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,054.05	36.49
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,234.78	41.47
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,452.00	46.44
		For Flange Frame, Add	*135.91*	
		For Clear Lacquer Finish, Add	*271.82*	
		For Baked Enamel Standard Colors, Add	*407.73*	
		For Anodized Finish, Add	*543.64*	
		For Kynar® Standard Colors Finish, Add	*747.51*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,654.30	50.42
		For Flange Frame, Add	*155.34*	
		For Clear Lacquer Finish, Add	*310.69*	
		For Baked Enamel Standard Colors, Add	*466.03*	
		For Anodized Finish, Add	*621.38*	
		For Kynar® Standard Colors Finish, Add	*854.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,843.11	54.74
		For Flange Frame, Add	*173.36*	
		For Clear Lacquer Finish, Add	*346.73*	
		For Baked Enamel Standard Colors, Add	*520.09*	
		For Anodized Finish, Add	*693.45*	
		For Kynar® Standard Colors Finish, Add	*953.50*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,093.55	58.06
		For Flange Frame, Add	*197.74*	
		For Clear Lacquer Finish, Add	*395.49*	
		For Baked Enamel Standard Colors, Add	*593.23*	
		For Anodized Finish, Add	*790.97*	
		For Kynar® Standard Colors Finish, Add	*1,087.59*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,304.89	63.04
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,475.02	68.01
		For Flange Frame, Add	*233.90*	
		For Clear Lacquer Finish, Add	*467.80*	
		For Baked Enamel Standard Colors, Add	*701.70*	
		For Anodized Finish, Add	*935.60*	
		For Kynar® Standard Colors Finish, Add	*1,286.44*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,649.85	72.99
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,830.58	77.97
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,057.44	81.29
		For Flange Frame, Add	*289.49*	
		For Clear Lacquer Finish, Add	*578.98*	
		For Baked Enamel Standard Colors, Add	*868.46*	
		For Anodized Finish, Add	*1,157.95*	
		For Kynar® Standard Colors Finish, Add	*1,592.18*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,250.17	84.60
		For Flange Frame, Add	*308.10*	
		For Clear Lacquer Finish, Add	*616.19*	
		For Baked Enamel Standard Colors, Add	*924.29*	
		For Anodized Finish, Add	*1,232.39*	
		For Kynar® Standard Colors Finish, Add	*1,694.53*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,494.49	89.57
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,674.04	94.55
		For Flange Frame, Add	*348.49*	
		For Clear Lacquer Finish, Add	*696.99*	
		For Baked Enamel Standard Colors, Add	*1,045.48*	
		For Anodized Finish, Add	*1,393.97*	
		For Kynar® Standard Colors Finish, Add	*1,916.71*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	889.81	31.51
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,136.06	39.81
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,337.97	44.79
		For Flange Frame, Add	*124.84*	
		For Clear Lacquer Finish, Add	*249.68*	
		For Baked Enamel Standard Colors, Add	*374.52*	
		For Anodized Finish, Add	*499.36*	
		For Kynar® Standard Colors Finish, Add	*686.62*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,566.77	51.42
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,784.23	54.74
		For Flange Frame, Add	*167.48*	
		For Clear Lacquer Finish, Add	*334.95*	
		For Baked Enamel Standard Colors, Add	*502.43*	
		For Anodized Finish, Add	*669.90*	
		For Kynar® Standard Colors Finish, Add	*921.11*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,989.90	58.06
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,262.70	61.38
		For Flange Frame, Add	*214.00*	
		For Clear Lacquer Finish, Add	*427.99*	
		For Baked Enamel Standard Colors, Add	*641.99*	
		For Anodized Finish, Add	*855.98*	
		For Kynar® Standard Colors Finish, Add	*1,176.97*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,477.59	66.35
		For Flange Frame, Add	*234.49*	
		For Clear Lacquer Finish, Add	*468.98*	
		For Baked Enamel Standard Colors, Add	*703.46*	
		For Anodized Finish, Add	*937.95*	
		For Kynar® Standard Colors Finish, Add	*1,289.68*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,670.08	71.33
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,849.63	76.31
		For Flange Frame, Add	*269.70*	
		For Clear Lacquer Finish, Add	*539.40*	
		For Baked Enamel Standard Colors, Add	*809.11*	
		For Anodized Finish, Add	*1,078.81*	
		For Kynar® Standard Colors Finish, Add	*1,483.36*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,046.85	81.29
		For Flange Frame, Add	*288.43*	
		For Clear Lacquer Finish, Add	*576.86*	
		For Baked Enamel Standard Colors, Add	*865.29*	
		For Anodized Finish, Add	*1,153.72*	
		For Kynar® Standard Colors Finish, Add	*1,586.36*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,291.39	84.60
		For Flange Frame, Add	*312.22*	
		For Clear Lacquer Finish, Add	*624.44*	
		For Baked Enamel Standard Colors, Add	*936.66*	
		For Anodized Finish, Add	*1,248.88*	
		For Kynar® Standard Colors Finish, Add	*1,717.20*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,502.95	87.91
		For Flange Frame, Add	*332.71*	
		For Clear Lacquer Finish, Add	*665.42*	
		For Baked Enamel Standard Colors, Add	*998.14*	
		For Anodized Finish, Add	*1,330.85*	
		For Kynar® Standard Colors Finish, Add	*1,829.92*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,777.90	92.89
		For Flange Frame, Add	*359.21*	
		For Clear Lacquer Finish, Add	*718.42*	
		For Baked Enamel Standard Colors, Add	*1,077.63*	
		For Anodized Finish, Add	*1,436.84*	
		For Kynar® Standard Colors Finish, Add	*1,975.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,965.69	97.87
		For Flange Frame, Add	*377.00*	
		For Clear Lacquer Finish, Add	*753.99*	
		For Baked Enamel Standard Colors, Add	*1,130.99*	
		For Anodized Finish, Add	*1,507.98*	
		For Kynar® Standard Colors Finish, Add	*2,073.47*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	961.22	34.83
		For Flange Frame, Add	*89.16*	
		For Clear Lacquer Finish, Add	*178.31*	
		For Baked Enamel Standard Colors, Add	*267.47*	
		For Anodized Finish, Add	*356.62*	
		For Kynar® Standard Colors Finish, Add	*490.35*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,223.95	43.13
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,451.58	49.76
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,690.01	54.74
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,931.02	58.06
		For Flange Frame, Add	*181.49*	
		For Clear Lacquer Finish, Add	*362.98*	
		For Baked Enamel Standard Colors, Add	*544.47*	
		For Anodized Finish, Add	*725.96*	
		For Kynar® Standard Colors Finish, Add	*998.20*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,163.77	61.38
		For Flange Frame, Add	*204.10*	
		For Clear Lacquer Finish, Add	*408.20*	
		For Baked Enamel Standard Colors, Add	*612.31*	
		For Anodized Finish, Add	*816.41*	
		For Kynar® Standard Colors Finish, Add	*1,122.56*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,451.68	66.35
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,687.75	71.33
		For Flange Frame, Add	*254.51*	
		For Clear Lacquer Finish, Add	*509.02*	
		For Baked Enamel Standard Colors, Add	*763.53*	
		For Anodized Finish, Add	*1,018.04*	
		For Kynar® Standard Colors Finish, Add	*1,399.81*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,890.86	76.31
		For Flange Frame, Add	*273.83*	
		For Clear Lacquer Finish, Add	*547.65*	
		For Baked Enamel Standard Colors, Add	*821.48*	
		For Anodized Finish, Add	*1,095.30*	
		For Kynar® Standard Colors Finish, Add	*1,506.04*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,097.49	81.29
		For Flange Frame, Add	*293.49*	
		For Clear Lacquer Finish, Add	*586.99*	
		For Baked Enamel Standard Colors, Add	*880.48*	
		For Anodized Finish, Add	*1,173.97*	
		For Kynar® Standard Colors Finish, Add	*1,614.21*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,299.42	86.25
		For Flange Frame, Add	*312.69*	
		For Clear Lacquer Finish, Add	*625.38*	
		For Baked Enamel Standard Colors, Add	*938.07*	
		For Anodized Finish, Add	*1,250.76*	
		For Kynar® Standard Colors Finish, Add	*1,719.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,576.93	89.57
		For Flange Frame, Add	*339.78*	
		For Clear Lacquer Finish, Add	*679.56*	
		For Baked Enamel Standard Colors, Add	*1,019.33*	
		For Anodized Finish, Add	*1,359.11*	
		For Kynar® Standard Colors Finish, Add	*1,868.78*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,806.16	92.89
		For Flange Frame, Add	*362.04*	
		For Clear Lacquer Finish, Add	*724.07*	
		For Baked Enamel Standard Colors, Add	*1,086.11*	
		For Anodized Finish, Add	*1,448.15*	
		For Kynar® Standard Colors Finish, Add	*1,991.20*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,090.75	96.21
		For Flange Frame, Add	*389.83*	
		For Clear Lacquer Finish, Add	*779.66*	
		For Baked Enamel Standard Colors, Add	*1,169.50*	
		For Anodized Finish, Add	*1,559.33*	
		For Kynar® Standard Colors Finish, Add	*2,144.08*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,298.55	101.19
		For Flange Frame, Add	*409.62*	
		For Clear Lacquer Finish, Add	*819.24*	
		For Baked Enamel Standard Colors, Add	*1,228.85*	
		For Anodized Finish, Add	*1,638.47*	
		For Kynar® Standard Colors Finish, Add	*2,252.90*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,117.22	39.81
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,438.83	48.10
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,686.26	56.40
		For Flange Frame, Add	*157.35*	
		For Clear Lacquer Finish, Add	*314.69*	
		For Baked Enamel Standard Colors, Add	*472.04*	
		For Anodized Finish, Add	*629.38*	
		For Kynar® Standard Colors Finish, Add	*865.40*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,948.47	59.72
		For Flange Frame, Add	*182.90*	
		For Clear Lacquer Finish, Add	*365.81*	
		For Baked Enamel Standard Colors, Add	*548.71*	
		For Anodized Finish, Add	*731.61*	
		For Kynar® Standard Colors Finish, Add	*1,005.97*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,234.22	63.04
		For Flange Frame, Add	*210.82*	
		For Clear Lacquer Finish, Add	*421.63*	
		For Baked Enamel Standard Colors, Add	*632.45*	
		For Anodized Finish, Add	*843.26*	
		For Kynar® Standard Colors Finish, Add	*1,159.48*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,489.37	66.35
		For Flange Frame, Add	*235.67*	
		For Clear Lacquer Finish, Add	*471.33*	
		For Baked Enamel Standard Colors, Add	*707.00*	
		For Anodized Finish, Add	*942.66*	
		For Kynar® Standard Colors Finish, Add	*1,296.16*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,825.54	71.33
		For Flange Frame, Add	*268.29*	
		For Clear Lacquer Finish, Add	*536.58*	
		For Baked Enamel Standard Colors, Add	*804.87*	
		For Anodized Finish, Add	*1,073.16*	
		For Kynar® Standard Colors Finish, Add	*1,475.59*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,152.31	76.31
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,394.28	81.29
		For Flange Frame, Add	*323.17*	
		For Clear Lacquer Finish, Add	*646.34*	
		For Baked Enamel Standard Colors, Add	*969.52*	
		For Anodized Finish, Add	*1,292.69*	
		For Kynar® Standard Colors Finish, Add	*1,777.45*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,632.72	86.25
		For Flange Frame, Add	*346.02*	
		For Clear Lacquer Finish, Add	*692.04*	
		For Baked Enamel Standard Colors, Add	*1,038.06*	
		For Anodized Finish, Add	*1,384.08*	
		For Kynar® Standard Colors Finish, Add	*1,903.11*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,865.48	89.57
		For Flange Frame, Add	*368.63*	
		For Clear Lacquer Finish, Add	*737.27*	
		For Baked Enamel Standard Colors, Add	*1,105.90*	
		For Anodized Finish, Add	*1,474.53*	
		For Kynar® Standard Colors Finish, Add	*2,027.48*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,175.97	92.89
		For Flange Frame, Add	*399.02*	
		For Clear Lacquer Finish, Add	*798.04*	
		For Baked Enamel Standard Colors, Add	*1,197.05*	
		For Anodized Finish, Add	*1,596.07*	
		For Kynar® Standard Colors Finish, Add	*2,194.60*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,433.47	96.21
		For Flange Frame, Add	*424.10*	
		For Clear Lacquer Finish, Add	*848.21*	
		For Baked Enamel Standard Colors, Add	*1,272.31*	
		For Anodized Finish, Add	*1,696.42*	
		For Kynar® Standard Colors Finish, Add	*2,332.57*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,767.50	99.53
		For Flange Frame, Add	*456.85*	
		For Clear Lacquer Finish, Add	*913.69*	
		For Baked Enamel Standard Colors, Add	*1,370.54*	
		For Anodized Finish, Add	*1,827.38*	
		For Kynar® Standard Colors Finish, Add	*2,512.65*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,011.83	104.50
		For Flange Frame, Add	*480.28*	
		For Clear Lacquer Finish, Add	*960.56*	
		For Baked Enamel Standard Colors, Add	*1,440.85*	
		For Anodized Finish, Add	*1,921.13*	
		For Kynar® Standard Colors Finish, Add	*2,641.55*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,183.90	43.13
		For Flange Frame, Add	*109.77*	
		For Clear Lacquer Finish, Add	*219.53*	
		For Baked Enamel Standard Colors, Add	*329.30*	
		For Anodized Finish, Add	*439.06*	
		For Kynar® Standard Colors Finish, Add	*603.71*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,530.05	53.08
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,787.12	59.72
		For Flange Frame, Add	*166.77*	
		For Clear Lacquer Finish, Add	*333.54*	
		For Baked Enamel Standard Colors, Add	*500.30*	
		For Anodized Finish, Add	*667.07*	
		For Kynar® Standard Colors Finish, Add	*917.22*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,076.41	63.04
		For Flange Frame, Add	*195.03*	
		For Clear Lacquer Finish, Add	*390.07*	
		For Baked Enamel Standard Colors, Add	*585.10*	
		For Anodized Finish, Add	*780.14*	
		For Kynar® Standard Colors Finish, Add	*1,072.69*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,376.09	68.01
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,646.53	71.33
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,007.45	76.31
		For Flange Frame, Add	*285.48*	
		For Clear Lacquer Finish, Add	*570.97*	
		For Baked Enamel Standard Colors, Add	*856.45*	
		For Anodized Finish, Add	*1,141.94*	
		For Kynar® Standard Colors Finish, Add	*1,570.16*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,343.64	81.29
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,603.28	86.25
		For Flange Frame, Add	*343.08*	
		For Clear Lacquer Finish, Add	*686.15*	
		For Baked Enamel Standard Colors, Add	*1,029.23*	
		For Anodized Finish, Add	*1,372.30*	
		For Kynar® Standard Colors Finish, Add	*1,886.92*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,858.20	91.23
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,106.27	94.55
		For Flange Frame, Add	*391.72*	
		For Clear Lacquer Finish, Add	*783.43*	
		For Baked Enamel Standard Colors, Add	*1,175.15*	
		For Anodized Finish, Add	*1,566.86*	
		For Kynar® Standard Colors Finish, Add	*2,154.44*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,443.85	97.87
		For Flange Frame, Add	*424.81*	
		For Clear Lacquer Finish, Add	*849.62*	
		For Baked Enamel Standard Colors, Add	*1,274.43*	
		For Anodized Finish, Add	*1,699.24*	
		For Kynar® Standard Colors Finish, Add	*2,336.46*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,714.29	101.19
		For Flange Frame, Add	*451.19*	
		For Clear Lacquer Finish, Add	*902.38*	
		For Baked Enamel Standard Colors, Add	*1,353.58*	
		For Anodized Finish, Add	*1,804.77*	
		For Kynar® Standard Colors Finish, Add	*2,481.56*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,066.01	104.50
		For Flange Frame, Add	*485.70*	
		For Clear Lacquer Finish, Add	*971.40*	
		For Baked Enamel Standard Colors, Add	*1,457.10*	
		For Anodized Finish, Add	*1,942.80*	
		For Kynar® Standard Colors Finish, Add	*2,671.35*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,322.32	107.82
		For Flange Frame, Add	*510.67*	
		For Clear Lacquer Finish, Add	*1,021.34*	
		For Baked Enamel Standard Colors, Add	*1,532.00*	
		For Anodized Finish, Add	*2,042.67*	
		For Kynar® Standard Colors Finish, Add	*2,808.67*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	287.56	16.59
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	694.00	6.64

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	385.53	14.93
		For Flange Frame, Add	*35.57*	
		For Clear Lacquer Finish, Add	*71.14*	
		For Baked Enamel Standard Colors, Add	*106.70*	
		For Anodized Finish, Add	*142.27*	
		For Kynar® Standard Colors Finish, Add	*195.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	456.94	18.25
		For Flange Frame, Add	*42.05*	
		For Clear Lacquer Finish, Add	*84.09*	
		For Baked Enamel Standard Colors, Add	*126.14*	
		For Anodized Finish, Add	*168.18*	
		For Kynar® Standard Colors Finish, Add	*231.25*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	529.54	21.57
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	622.14	24.89
		For Flange Frame, Add	*57.24*	
		For Clear Lacquer Finish, Add	*114.48*	
		For Baked Enamel Standard Colors, Add	*171.71*	
		For Anodized Finish, Add	*228.95*	
		For Kynar® Standard Colors Finish, Add	*314.81*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	699.45	28.19
		For Flange Frame, Add	*64.31*	
		For Clear Lacquer Finish, Add	*128.61*	
		For Baked Enamel Standard Colors, Add	*192.92*	
		For Anodized Finish, Add	*257.22*	
		For Kynar® Standard Colors Finish, Add	*353.68*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	828.57	31.51
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	896.44	34.83
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,000.62	39.81
		For Flange Frame, Add	*92.10*	
		For Clear Lacquer Finish, Add	*184.20*	
		For Baked Enamel Standard Colors, Add	*276.30*	
		For Anodized Finish, Add	*368.40*	
		For Kynar® Standard Colors Finish, Add	*506.54*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,062.60	43.13
		For Flange Frame, Add	*97.64*	
		For Clear Lacquer Finish, Add	*195.27*	
		For Baked Enamel Standard Colors, Add	*292.91*	
		For Anodized Finish, Add	*390.54*	
		For Kynar® Standard Colors Finish, Add	*536.99*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,149.32	46.44
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,224.27	49.76
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,314.52	53.08
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,398.89	56.40
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,470.08	61.38
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,568.38	66.35
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	446.34	18.25
		For Flange Frame, Add	*40.99*	
		For Clear Lacquer Finish, Add	*81.97*	
		For Baked Enamel Standard Colors, Add	*122.96*	
		For Anodized Finish, Add	*163.94*	
		For Kynar® Standard Colors Finish, Add	*225.42*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	532.85	23.23
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	618.40	26.55
		For Flange Frame, Add	*56.53*	
		For Clear Lacquer Finish, Add	*113.06*	
		For Baked Enamel Standard Colors, Add	*169.60*	
		For Anodized Finish, Add	*226.13*	
		For Kynar® Standard Colors Finish, Add	*310.93*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	775.35	33.17
		For Flange Frame, Add	*70.90*	
		For Clear Lacquer Finish, Add	*141.80*	
		For Baked Enamel Standard Colors, Add	*212.70*	
		For Anodized Finish, Add	*283.60*	
		For Kynar® Standard Colors Finish, Add	*389.95*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	892.70	36.49
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	995.91	39.81
		For Flange Frame, Add	*91.63*	
		For Clear Lacquer Finish, Add	*183.26*	
		For Baked Enamel Standard Colors, Add	*274.88*	
		For Anodized Finish, Add	*366.51*	
		For Kynar® Standard Colors Finish, Add	*503.95*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,067.31	43.13
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,187.97	48.10
		For Flange Frame, Add	*109.18*	
		For Clear Lacquer Finish, Add	*218.35*	
		For Baked Enamel Standard Colors, Add	*327.53*	
		For Anodized Finish, Add	*436.70*	
		For Kynar® Standard Colors Finish, Add	*600.47*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,269.77	53.08
		For Flange Frame, Add	*116.36*	
		For Clear Lacquer Finish, Add	*232.72*	
		For Baked Enamel Standard Colors, Add	*349.08*	
		For Anodized Finish, Add	*465.44*	
		For Kynar® Standard Colors Finish, Add	*639.99*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,382.40	56.40
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,466.77	59.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,561.74	63.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,661.42	66.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*152.87*	
		For Clear Lacquer Finish, Add	*305.74*	
		For Baked Enamel Standard Colors, Add	*458.61*	
		For Anodized Finish, Add	*611.48*	
		For Kynar® Standard Colors Finish, Add	*840.79*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,745.55	71.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,866.22	76.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*171.36*	
		For Clear Lacquer Finish, Add	*342.72*	
		For Baked Enamel Standard Colors, Add	*514.08*	
		For Anodized Finish, Add	*685.44*	
		For Kynar® Standard Colors Finish, Add	*942.49*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	515.40	21.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*47.23*	
		For Clear Lacquer Finish, Add	*94.45*	
		For Baked Enamel Standard Colors, Add	*141.68*	
		For Anodized Finish, Add	*188.91*	
		For Kynar® Standard Colors Finish, Add	*259.75*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	612.51	26.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.94*	
		For Clear Lacquer Finish, Add	*111.89*	
		For Baked Enamel Standard Colors, Add	*167.83*	
		For Anodized Finish, Add	*223.77*	
		For Kynar® Standard Colors Finish, Add	*307.69*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	761.44	31.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*69.84*	
		For Clear Lacquer Finish, Add	*139.68*	
		For Baked Enamel Standard Colors, Add	*209.52*	
		For Anodized Finish, Add	*279.36*	
		For Kynar® Standard Colors Finish, Add	*384.12*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	896.02	38.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,029.85	41.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,153.07	44.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*106.35*	
		For Clear Lacquer Finish, Add	*212.70*	
		For Baked Enamel Standard Colors, Add	*319.05*	
		For Anodized Finish, Add	*425.40*	
		For Kynar® Standard Colors Finish, Add	*584.93*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,251.36	49.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,382.40	56.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,471.49	59.72
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,615.48	66.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,708.09	69.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*156.88*	
		For Clear Lacquer Finish, Add	*313.75*	
		For Baked Enamel Standard Colors, Add	*470.63*	
		For Anodized Finish, Add	*627.50*	
		For Kynar® Standard Colors Finish, Add	*862.81*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,830.14	72.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*168.42*	
		For Clear Lacquer Finish, Add	*336.83*	
		For Baked Enamel Standard Colors, Add	*505.25*	
		For Anodized Finish, Add	*673.67*	
		For Kynar® Standard Colors Finish, Add	*926.29*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,949.84	76.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,036.34	81.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,185.28	86.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*201.28*	
		For Clear Lacquer Finish, Add	*402.55*	
		For Baked Enamel Standard Colors, Add	*603.83*	
		For Anodized Finish, Add	*805.10*	
		For Kynar® Standard Colors Finish, Add	*1,107.02*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	576.21	24.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*52.65*	
		For Clear Lacquer Finish, Add	*105.29*	
		For Baked Enamel Standard Colors, Add	*157.94*	
		For Anodized Finish, Add	*210.58*	
		For Kynar® Standard Colors Finish, Add	*289.55*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	743.55	33.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	868.93	38.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*79.26*	
		For Clear Lacquer Finish, Add	*158.52*	
		For Baked Enamel Standard Colors, Add	*237.79*	
		For Anodized Finish, Add	*317.05*	
		For Kynar® Standard Colors Finish, Add	*435.94*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,016.66	43.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.04*	
		For Clear Lacquer Finish, Add	*186.08*	
		For Baked Enamel Standard Colors, Add	*279.12*	
		For Anodized Finish, Add	*372.16*	
		For Kynar® Standard Colors Finish, Add	*511.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,178.77	46.44
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,311.20	51.42
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,410.88	54.74
		For Flange Frame, Add	*130.14*	
		For Clear Lacquer Finish, Add	*260.28*	
		For Baked Enamel Standard Colors, Add	*390.42*	
		For Anodized Finish, Add	*520.56*	
		For Kynar® Standard Colors Finish, Add	*715.77*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,550.39	59.72
		For Flange Frame, Add	*143.10*	
		For Clear Lacquer Finish, Add	*286.19*	
		For Baked Enamel Standard Colors, Add	*429.29*	
		For Anodized Finish, Add	*572.38*	
		For Kynar® Standard Colors Finish, Add	*787.02*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,663.02	63.04
		For Flange Frame, Add	*153.70*	
		For Clear Lacquer Finish, Add	*307.39*	
		For Baked Enamel Standard Colors, Add	*461.09*	
		For Anodized Finish, Add	*614.78*	
		For Kynar® Standard Colors Finish, Add	*845.32*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,831.75	69.67
		For Flange Frame, Add	*169.24*	
		For Clear Lacquer Finish, Add	*338.48*	
		For Baked Enamel Standard Colors, Add	*507.72*	
		For Anodized Finish, Add	*676.96*	
		For Kynar® Standard Colors Finish, Add	*930.83*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,938.28	74.65
		For Flange Frame, Add	*178.90*	
		For Clear Lacquer Finish, Add	*357.80*	
		For Baked Enamel Standard Colors, Add	*536.70*	
		For Anodized Finish, Add	*715.60*	
		For Kynar® Standard Colors Finish, Add	*983.94*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,068.58	77.97
		For Flange Frame, Add	*191.27*	
		For Clear Lacquer Finish, Add	*382.53*	
		For Baked Enamel Standard Colors, Add	*573.80*	
		For Anodized Finish, Add	*765.06*	
		For Kynar® Standard Colors Finish, Add	*1,051.96*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,197.69	81.29
		For Flange Frame, Add	*203.51*	
		For Clear Lacquer Finish, Add	*407.03*	
		For Baked Enamel Standard Colors, Add	*610.54*	
		For Anodized Finish, Add	*814.05*	
		For Kynar® Standard Colors Finish, Add	*1,119.32*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,301.87	86.25
		For Flange Frame, Add	*212.94*	
		For Clear Lacquer Finish, Add	*425.87*	
		For Baked Enamel Standard Colors, Add	*638.81*	
		For Anodized Finish, Add	*851.74*	
		For Kynar® Standard Colors Finish, Add	*1,171.14*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,472.00	91.23
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	638.20	28.19
		For Flange Frame, Add	*58.18*	
		For Clear Lacquer Finish, Add	*116.36*	
		For Baked Enamel Standard Colors, Add	*174.54*	
		For Anodized Finish, Add	*232.72*	
		For Kynar® Standard Colors Finish, Add	*319.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	838.52	36.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	970.97	41.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.80*	
		For Clear Lacquer Finish, Add	*177.60*	
		For Baked Enamel Standard Colors, Add	*266.41*	
		For Anodized Finish, Add	*355.21*	
		For Kynar® Standard Colors Finish, Add	*488.41*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,130.48	46.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,312.75	50.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*121.19*	
		For Clear Lacquer Finish, Add	*242.38*	
		For Baked Enamel Standard Colors, Add	*363.57*	
		For Anodized Finish, Add	*484.76*	
		For Kynar® Standard Colors Finish, Add	*666.54*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,452.10	54.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,572.98	58.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.69*	
		For Clear Lacquer Finish, Add	*291.37*	
		For Baked Enamel Standard Colors, Add	*437.06*	
		For Anodized Finish, Add	*582.74*	
		For Kynar® Standard Colors Finish, Add	*801.27*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,733.69	63.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*160.76*	
		For Clear Lacquer Finish, Add	*321.52*	
		For Baked Enamel Standard Colors, Add	*482.29*	
		For Anodized Finish, Add	*643.05*	
		For Kynar® Standard Colors Finish, Add	*884.19*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,853.17	68.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.71*	
		For Clear Lacquer Finish, Add	*343.43*	
		For Baked Enamel Standard Colors, Add	*515.14*	
		For Anodized Finish, Add	*686.86*	
		For Kynar® Standard Colors Finish, Add	*944.43*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,048.02	72.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.21*	
		For Clear Lacquer Finish, Add	*380.41*	
		For Baked Enamel Standard Colors, Add	*570.62*	
		For Anodized Finish, Add	*760.82*	
		For Kynar® Standard Colors Finish, Add	*1,046.13*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,173.40	77.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.75*	
		For Clear Lacquer Finish, Add	*403.49*	
		For Baked Enamel Standard Colors, Add	*605.24*	
		For Anodized Finish, Add	*806.99*	
		For Kynar® Standard Colors Finish, Add	*1,109.61*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,313.11	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.06*	
		For Clear Lacquer Finish, Add	*430.11*	
		For Baked Enamel Standard Colors, Add	*645.17*	
		For Anodized Finish, Add	*860.22*	
		For Kynar® Standard Colors Finish, Add	*1,182.80*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,458.73	84.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,579.38	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.02*	
		For Clear Lacquer Finish, Add	*480.05*	
		For Baked Enamel Standard Colors, Add	*720.07*	
		For Anodized Finish, Add	*960.09*	
		For Kynar® Standard Colors Finish, Add	*1,320.13*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,773.07	94.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*258.40*	
		For Clear Lacquer Finish, Add	*516.79*	
		For Baked Enamel Standard Colors, Add	*775.19*	
		For Anodized Finish, Add	*1,033.58*	
		For Kynar® Standard Colors Finish, Add	*1,421.18*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	744.95	31.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.19*	
		For Clear Lacquer Finish, Add	*136.38*	
		For Baked Enamel Standard Colors, Add	*204.57*	
		For Anodized Finish, Add	*272.76*	
		For Kynar® Standard Colors Finish, Add	*375.05*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	911.11	39.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*83.15*	
		For Clear Lacquer Finish, Add	*166.30*	
		For Baked Enamel Standard Colors, Add	*249.44*	
		For Anodized Finish, Add	*332.59*	
		For Kynar® Standard Colors Finish, Add	*457.31*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,058.85	44.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*96.93*	
		For Clear Lacquer Finish, Add	*193.86*	
		For Baked Enamel Standard Colors, Add	*290.78*	
		For Anodized Finish, Add	*387.71*	
		For Kynar® Standard Colors Finish, Add	*533.10*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,240.54	51.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,440.33	54.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*133.09*	
		For Clear Lacquer Finish, Add	*266.17*	
		For Baked Enamel Standard Colors, Add	*399.26*	
		For Anodized Finish, Add	*532.34*	
		For Kynar® Standard Colors Finish, Add	*731.97*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,598.89	58.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,735.08	61.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*161.23*	
		For Clear Lacquer Finish, Add	*322.47*	
		For Baked Enamel Standard Colors, Add	*483.70*	
		For Anodized Finish, Add	*644.93*	
		For Kynar® Standard Colors Finish, Add	*886.78*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,895.79	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.31*	
		For Clear Lacquer Finish, Add	*352.62*	
		For Baked Enamel Standard Colors, Add	*528.92*	
		For Anodized Finish, Add	*705.23*	
		For Kynar® Standard Colors Finish, Add	*969.69*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,031.75	71.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.91*	
		For Clear Lacquer Finish, Add	*377.82*	
		For Baked Enamel Standard Colors, Add	*566.73*	
		For Anodized Finish, Add	*755.64*	
		For Kynar® Standard Colors Finish, Add	*1,039.01*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,248.99	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,384.96	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,543.52	84.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.43*	
		For Clear Lacquer Finish, Add	*474.86*	
		For Baked Enamel Standard Colors, Add	*712.30*	
		For Anodized Finish, Add	*949.73*	
		For Kynar® Standard Colors Finish, Add	*1,305.88*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,703.26	87.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,847.48	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.17*	
		For Clear Lacquer Finish, Add	*532.34*	
		For Baked Enamel Standard Colors, Add	*798.51*	
		For Anodized Finish, Add	*1,064.68*	
		For Kynar® Standard Colors Finish, Add	*1,463.93*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,056.47	97.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.07*	
		For Clear Lacquer Finish, Add	*572.15*	
		For Baked Enamel Standard Colors, Add	*858.22*	
		For Anodized Finish, Add	*1,144.29*	
		For Kynar® Standard Colors Finish, Add	*1,573.40*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	814.00	34.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.43*	
		For Clear Lacquer Finish, Add	*148.87*	
		For Baked Enamel Standard Colors, Add	*223.30*	
		For Anodized Finish, Add	*297.73*	
		For Kynar® Standard Colors Finish, Add	*409.38*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	996.64	43.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*91.04*	
		For Clear Lacquer Finish, Add	*182.08*	
		For Baked Enamel Standard Colors, Add	*273.12*	
		For Anodized Finish, Add	*364.16*	
		For Kynar® Standard Colors Finish, Add	*500.71*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,168.92	49.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.94*	
		For Clear Lacquer Finish, Add	*213.88*	
		For Baked Enamel Standard Colors, Add	*320.82*	
		For Anodized Finish, Add	*427.76*	
		For Kynar® Standard Colors Finish, Add	*588.16*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,350.82	54.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.13*	
		For Clear Lacquer Finish, Add	*248.27*	
		For Baked Enamel Standard Colors, Add	*372.40*	
		For Anodized Finish, Add	*496.54*	
		For Kynar® Standard Colors Finish, Add	*682.74*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,580.05	58.06
		Note: Includes bird screen.		
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,764.52	61.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,912.28	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.96*	
		For Clear Lacquer Finish, Add	*355.91*	
		For Baked Enamel Standard Colors, Add	*533.87*	
		For Anodized Finish, Add	*711.83*	
		For Kynar® Standard Colors Finish, Add	*978.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,150.70	71.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,248.99	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,481.53	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,639.89	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*246.74*	
		For Clear Lacquer Finish, Add	*493.47*	
		For Baked Enamel Standard Colors, Add	*740.21*	
		For Anodized Finish, Add	*986.95*	
		For Kynar® Standard Colors Finish, Add	*1,357.05*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,817.29	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*263.81*	
		For Clear Lacquer Finish, Add	*527.63*	
		For Baked Enamel Standard Colors, Add	*791.44*	
		For Anodized Finish, Add	*1,055.26*	
		For Kynar® Standard Colors Finish, Add	*1,450.98*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,994.70	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*280.89*	
		For Clear Lacquer Finish, Add	*561.78*	
		For Baked Enamel Standard Colors, Add	*842.67*	
		For Anodized Finish, Add	*1,123.56*	
		For Kynar® Standard Colors Finish, Add	*1,544.90*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,141.49	96.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.91*	
		For Clear Lacquer Finish, Add	*589.81*	
		For Baked Enamel Standard Colors, Add	*884.72*	
		For Anodized Finish, Add	*1,179.62*	
		For Kynar® Standard Colors Finish, Add	*1,621.98*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,383.45	101.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	899.34	39.81
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,105.53	48.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.93*	
		For Clear Lacquer Finish, Add	*201.86*	
		For Baked Enamel Standard Colors, Add	*302.80*	
		For Anodized Finish, Add	*403.73*	
		For Kynar® Standard Colors Finish, Add	*555.13*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,294.07	56.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*118.13*	
		For Clear Lacquer Finish, Add	*236.25*	
		For Baked Enamel Standard Colors, Add	*354.38*	
		For Anodized Finish, Add	*472.51*	
		For Kynar® Standard Colors Finish, Add	*649.70*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,492.68	59.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.32*	
		For Clear Lacquer Finish, Add	*274.65*	
		For Baked Enamel Standard Colors, Add	*411.97*	
		For Anodized Finish, Add	*549.30*	
		For Kynar® Standard Colors Finish, Add	*755.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,767.84	63.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,957.03	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,131.85	71.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*198.92*	
		For Clear Lacquer Finish, Add	*397.84*	
		For Baked Enamel Standard Colors, Add	*596.76*	
		For Anodized Finish, Add	*795.68*	
		For Kynar® Standard Colors Finish, Add	*1,094.06*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,392.67	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,573.39	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.08*	
		For Clear Lacquer Finish, Add	*482.17*	
		For Baked Enamel Standard Colors, Add	*723.25*	
		For Anodized Finish, Add	*964.33*	
		For Kynar® Standard Colors Finish, Add	*1,325.96*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,847.17	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,023.39	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.42*	
		For Clear Lacquer Finish, Add	*568.85*	
		For Baked Enamel Standard Colors, Add	*853.27*	
		For Anodized Finish, Add	*1,137.70*	
		For Kynar® Standard Colors Finish, Add	*1,564.33*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,225.54	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.98*	
		For Clear Lacquer Finish, Add	*607.95*	
		For Baked Enamel Standard Colors, Add	*911.93*	
		For Anodized Finish, Add	*1,215.90*	
		For Kynar® Standard Colors Finish, Add	*1,671.86*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,419.44	96.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*322.70*	
		For Clear Lacquer Finish, Add	*645.40*	
		For Baked Enamel Standard Colors, Add	*968.10*	
		For Anodized Finish, Add	*1,290.80*	
		For Kynar® Standard Colors Finish, Add	*1,774.86*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,579.16	99.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*338.01*	
		For Clear Lacquer Finish, Add	*676.02*	
		For Baked Enamel Standard Colors, Add	*1,014.03*	
		For Anodized Finish, Add	*1,352.04*	
		For Kynar® Standard Colors Finish, Add	*1,859.06*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,862.36	104.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	966.02	43.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,192.04	53.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,389.04	59.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,619.44	63.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*149.34*	
		For Clear Lacquer Finish, Add	*298.67*	
		For Baked Enamel Standard Colors, Add	*448.01*	
		For Anodized Finish, Add	*597.35*	
		For Kynar® Standard Colors Finish, Add	*821.35*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,903.82	68.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.78*	
		For Clear Lacquer Finish, Add	*353.56*	
		For Baked Enamel Standard Colors, Add	*530.34*	
		For Anodized Finish, Add	*707.12*	
		For Kynar® Standard Colors Finish, Add	*972.28*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,116.54	71.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,299.63	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*214.70*	
		For Clear Lacquer Finish, Add	*429.40*	
		For Baked Enamel Standard Colors, Add	*644.11*	
		For Anodized Finish, Add	*858.81*	
		For Kynar® Standard Colors Finish, Add	*1,180.86*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,579.28	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.67*	
		For Clear Lacquer Finish, Add	*483.34*	
		For Baked Enamel Standard Colors, Add	*725.02*	
		For Anodized Finish, Add	*966.69*	
		For Kynar® Standard Colors Finish, Add	*1,329.20*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,774.15	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*260.16*	
		For Clear Lacquer Finish, Add	*520.33*	
		For Baked Enamel Standard Colors, Add	*780.49*	
		For Anodized Finish, Add	*1,040.65*	
		For Kynar® Standard Colors Finish, Add	*1,430.90*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,071.47	91.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*288.90*	
		For Clear Lacquer Finish, Add	*577.80*	
		For Baked Enamel Standard Colors, Add	*866.70*	
		For Anodized Finish, Add	*1,155.60*	
		For Kynar® Standard Colors Finish, Add	*1,588.95*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,259.48	94.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*307.04*	
		For Clear Lacquer Finish, Add	*614.07*	
		For Baked Enamel Standard Colors, Add	*921.11*	
		For Anodized Finish, Add	*1,228.15*	
		For Kynar® Standard Colors Finish, Add	*1,688.70*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,474.57	97.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*327.88*	
		For Clear Lacquer Finish, Add	*655.77*	
		For Baked Enamel Standard Colors, Add	*983.65*	
		For Anodized Finish, Add	*1,311.53*	
		For Kynar® Standard Colors Finish, Add	*1,803.36*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,684.95	101.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,862.36	104.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,162.25	107.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*394.66*	
		For Clear Lacquer Finish, Add	*789.32*	
		For Baked Enamel Standard Colors, Add	*1,183.98*	
		For Anodized Finish, Add	*1,578.64*	
		For Kynar® Standard Colors Finish, Add	*2,170.64*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,119.88	46.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.70*	
		For Clear Lacquer Finish, Add	*205.40*	
		For Baked Enamel Standard Colors, Add	*308.10*	
		For Anodized Finish, Add	*410.80*	
		For Kynar® Standard Colors Finish, Add	*564.84*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,387.11	56.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,615.48	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,867.08	69.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*172.77*	
		For Clear Lacquer Finish, Add	*345.55*	
		For Baked Enamel Standard Colors, Add	*518.32*	
		For Anodized Finish, Add	*691.10*	
		For Kynar® Standard Colors Finish, Add	*950.26*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,203.48	72.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.75*	
		For Clear Lacquer Finish, Add	*411.50*	
		For Baked Enamel Standard Colors, Add	*617.25*	
		For Anodized Finish, Add	*823.00*	
		For Kynar® Standard Colors Finish, Add	*1,131.63*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,436.25	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.36*	
		For Clear Lacquer Finish, Add	*456.73*	
		For Baked Enamel Standard Colors, Add	*685.09*	
		For Anodized Finish, Add	*913.46*	
		For Kynar® Standard Colors Finish, Add	*1,256.00*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,657.01	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.45*	
		For Clear Lacquer Finish, Add	*498.89*	
		For Baked Enamel Standard Colors, Add	*748.34*	
		For Anodized Finish, Add	*997.78*	
		For Kynar® Standard Colors Finish, Add	*1,371.95*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,917.83	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.53*	
		For Clear Lacquer Finish, Add	*549.06*	
		For Baked Enamel Standard Colors, Add	*823.59*	
		For Anodized Finish, Add	*1,098.12*	
		For Kynar® Standard Colors Finish, Add	*1,509.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,137.42	91.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*295.50*	
		For Clear Lacquer Finish, Add	*590.99*	
		For Baked Enamel Standard Colors, Add	*886.49*	
		For Anodized Finish, Add	*1,181.98*	
		For Kynar® Standard Colors Finish, Add	*1,625.22*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,476.92	97.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*328.12*	
		For Clear Lacquer Finish, Add	*656.24*	
		For Baked Enamel Standard Colors, Add	*984.35*	
		For Anodized Finish, Add	*1,312.47*	
		For Kynar® Standard Colors Finish, Add	*1,804.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,688.27	102.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,916.32	106.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.40*	
		For Clear Lacquer Finish, Add	*740.80*	
		For Baked Enamel Standard Colors, Add	*1,111.20*	
		For Anodized Finish, Add	*1,481.60*	
		For Kynar® Standard Colors Finish, Add	*2,037.19*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,149.08	109.48
		Note: Includes bird screen.		
		For Flange Frame, Add	*393.01*	
		For Clear Lacquer Finish, Add	*786.02*	
		For Baked Enamel Standard Colors, Add	*1,179.04*	
		For Anodized Finish, Add	*1,572.05*	
		For Kynar® Standard Colors Finish, Add	*2,161.57*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,350.05	112.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*412.45*	
		For Clear Lacquer Finish, Add	*824.89*	
		For Baked Enamel Standard Colors, Add	*1,237.34*	
		For Anodized Finish, Add	*1,649.78*	
		For Kynar® Standard Colors Finish, Add	*2,268.45*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,685.26	116.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*445.30*	
		For Clear Lacquer Finish, Add	*890.61*	
		For Baked Enamel Standard Colors, Add	*1,335.91*	
		For Anodized Finish, Add	*1,781.21*	
		For Kynar® Standard Colors Finish, Add	*2,449.17*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,180.70	49.76
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.12*	
		For Clear Lacquer Finish, Add	*216.23*	
		For Baked Enamel Standard Colors, Add	*324.35*	
		For Anodized Finish, Add	*432.47*	
		For Kynar® Standard Colors Finish, Add	*594.64*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,462.06	59.72
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,703.38	69.67
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.40*	
		For Clear Lacquer Finish, Add	*312.81*	
		For Baked Enamel Standard Colors, Add	*469.21*	
		For Anodized Finish, Add	*625.62*	
		For Kynar® Standard Colors Finish, Add	*860.22*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,973.61	74.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,334.75	77.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,580.46	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.79*	
		For Clear Lacquer Finish, Add	*483.58*	
		For Baked Enamel Standard Colors, Add	*725.37*	
		For Anodized Finish, Add	*967.16*	
		For Kynar® Standard Colors Finish, Add	*1,329.85*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,816.55	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*264.40*	
		For Clear Lacquer Finish, Add	*528.81*	
		For Baked Enamel Standard Colors, Add	*793.21*	
		For Anodized Finish, Add	*1,057.61*	
		For Kynar® Standard Colors Finish, Add	*1,454.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,089.35	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*291.02*	
		For Clear Lacquer Finish, Add	*582.04*	
		For Baked Enamel Standard Colors, Add	*873.06*	
		For Anodized Finish, Add	*1,164.08*	
		For Kynar® Standard Colors Finish, Add	*1,600.61*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,319.54	94.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*313.04*	
		For Clear Lacquer Finish, Add	*626.09*	
		For Baked Enamel Standard Colors, Add	*939.13*	
		For Anodized Finish, Add	*1,252.17*	
		For Kynar® Standard Colors Finish, Add	*1,721.74*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,688.27	102.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,921.99	107.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.64*	
		For Clear Lacquer Finish, Add	*741.27*	
		For Baked Enamel Standard Colors, Add	*1,111.91*	
		For Anodized Finish, Add	*1,482.54*	
		For Kynar® Standard Colors Finish, Add	*2,038.49*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,157.11	111.14
		Note: Includes bird screen.		
		For Flange Frame, Add	*393.48*	
		For Clear Lacquer Finish, Add	*786.97*	
		For Baked Enamel Standard Colors, Add	*1,180.45*	
		For Anodized Finish, Add	*1,573.93*	
		For Kynar® Standard Colors Finish, Add	*2,164.16*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,395.76	114.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*416.68*	
		For Clear Lacquer Finish, Add	*833.37*	
		For Baked Enamel Standard Colors, Add	*1,250.05*	
		For Anodized Finish, Add	*1,666.74*	
		For Kynar® Standard Colors Finish, Add	*2,291.76*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,619.10	117.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*438.36*	
		For Clear Lacquer Finish, Add	*876.71*	
		For Baked Enamel Standard Colors, Add	*1,315.07*	
		For Anodized Finish, Add	*1,753.42*	
		For Kynar® Standard Colors Finish, Add	*2,410.95*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,976.70	121.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*473.45*	
		For Clear Lacquer Finish, Add	*946.90*	
		For Baked Enamel Standard Colors, Add	*1,420.35*	
		For Anodized Finish, Add	*1,893.80*	
		For Kynar® Standard Colors Finish, Add	*2,603.98*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,255.63	53.08
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.95*	
		For Clear Lacquer Finish, Add	*229.89*	
		For Baked Enamel Standard Colors, Add	*344.84*	
		For Anodized Finish, Add	*459.79*	
		For Kynar® Standard Colors Finish, Add	*632.21*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,545.25	63.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.92*	
		For Clear Lacquer Finish, Add	*283.84*	
		For Baked Enamel Standard Colors, Add	*425.75*	
		For Anodized Finish, Add	*567.67*	
		For Kynar® Standard Colors Finish, Add	*780.55*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,792.45	72.99
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.65*	
		For Clear Lacquer Finish, Add	*329.30*	
		For Baked Enamel Standard Colors, Add	*493.94*	
		For Anodized Finish, Add	*658.59*	
		For Kynar® Standard Colors Finish, Add	*905.56*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,081.53	77.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*192.56*	
		For Clear Lacquer Finish, Add	*385.12*	
		For Baked Enamel Standard Colors, Add	*577.68*	
		For Anodized Finish, Add	*770.24*	
		For Kynar® Standard Colors Finish, Add	*1,059.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,463.86	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*230.13*	
		For Clear Lacquer Finish, Add	*460.26*	
		For Baked Enamel Standard Colors, Add	*690.39*	
		For Anodized Finish, Add	*920.52*	
		For Kynar® Standard Colors Finish, Add	*1,265.72*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,720.18	84.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,973.93	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,263.22	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*307.74*	
		For Clear Lacquer Finish, Add	*615.49*	
		For Baked Enamel Standard Colors, Add	*923.23*	
		For Anodized Finish, Add	*1,230.97*	
		For Kynar® Standard Colors Finish, Add	*1,692.59*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,511.08	97.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,904.54	106.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*369.22*	
		For Clear Lacquer Finish, Add	*738.44*	
		For Baked Enamel Standard Colors, Add	*1,107.66*	
		For Anodized Finish, Add	*1,476.88*	
		For Kynar® Standard Colors Finish, Add	*2,030.72*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,150.04	111.14
		Note: Includes bird screen.		
		For Flange Frame, Add	*392.78*	
		For Clear Lacquer Finish, Add	*785.55*	
		For Baked Enamel Standard Colors, Add	*1,178.33*	
		For Anodized Finish, Add	*1,571.10*	
		For Kynar® Standard Colors Finish, Add	*2,160.27*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,407.32	116.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*417.51*	
		For Clear Lacquer Finish, Add	*835.02*	
		For Baked Enamel Standard Colors, Add	*1,252.53*	
		For Anodized Finish, Add	*1,670.04*	
		For Kynar® Standard Colors Finish, Add	*2,296.30*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,645.97	119.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*440.71*	
		For Clear Lacquer Finish, Add	*881.42*	
		For Baked Enamel Standard Colors, Add	*1,322.13*	
		For Anodized Finish, Add	*1,762.84*	
		For Kynar® Standard Colors Finish, Add	*2,423.91*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,884.63	122.75
		Note: Includes bird screen.		
		For Flange Frame, Add	*463.91*	
		For Clear Lacquer Finish, Add	*927.82*	
		For Baked Enamel Standard Colors, Add	*1,391.74*	
		For Anodized Finish, Add	*1,855.65*	
		For Kynar® Standard Colors Finish, Add	*2,551.52*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,265.78	126.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*501.36*	
		For Clear Lacquer Finish, Add	*1,002.73*	
		For Baked Enamel Standard Colors, Add	*1,504.09*	
		For Anodized Finish, Add	*2,005.46*	
		For Kynar® Standard Colors Finish, Add	*2,757.50*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,315.27	56.40
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.25*	
		For Clear Lacquer Finish, Add	*240.49*	
		For Baked Enamel Standard Colors, Add	*360.74*	
		For Anodized Finish, Add	*480.99*	
		For Kynar® Standard Colors Finish, Add	*661.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,617.84	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.51*	
		For Clear Lacquer Finish, Add	*297.03*	
		For Baked Enamel Standard Colors, Add	*445.54*	
		For Anodized Finish, Add	*594.05*	
		For Kynar® Standard Colors Finish, Add	*816.82*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,893.31	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,191.81	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*202.93*	
		For Clear Lacquer Finish, Add	*405.85*	
		For Baked Enamel Standard Colors, Add	*608.78*	
		For Anodized Finish, Add	*811.70*	
		For Kynar® Standard Colors Finish, Add	*1,116.09*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,598.88	84.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*242.97*	
		For Clear Lacquer Finish, Add	*485.94*	
		For Baked Enamel Standard Colors, Add	*728.90*	
		For Anodized Finish, Add	*971.87*	
		For Kynar® Standard Colors Finish, Add	*1,336.32*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,870.50	87.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.47*	
		For Clear Lacquer Finish, Add	*538.93*	
		For Baked Enamel Standard Colors, Add	*808.40*	
		For Anodized Finish, Add	*1,077.87*	
		For Kynar® Standard Colors Finish, Add	*1,482.07*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,130.14	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.44*	
		For Clear Lacquer Finish, Add	*588.87*	
		For Baked Enamel Standard Colors, Add	*883.31*	
		For Anodized Finish, Add	*1,177.74*	
		For Kynar® Standard Colors Finish, Add	*1,619.39*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,442.99	96.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*325.06*	
		For Clear Lacquer Finish, Add	*650.11*	
		For Baked Enamel Standard Colors, Add	*975.17*	
		For Anodized Finish, Add	*1,300.22*	
		For Kynar® Standard Colors Finish, Add	*1,787.81*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,703.79	101.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*350.14*	
		For Clear Lacquer Finish, Add	*700.28*	
		For Baked Enamel Standard Colors, Add	*1,050.43*	
		For Anodized Finish, Add	*1,400.57*	
		For Kynar® Standard Colors Finish, Add	*1,925.78*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,121.99	109.48
		Note: Includes bird screen.		
		For Flange Frame, Add	*390.30*	
		For Clear Lacquer Finish, Add	*780.61*	
		For Baked Enamel Standard Colors, Add	*1,170.91*	
		For Anodized Finish, Add	*1,561.21*	
		For Kynar® Standard Colors Finish, Add	*2,146.67*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,376.92	114.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*414.80*	
		For Clear Lacquer Finish, Add	*829.60*	
		For Baked Enamel Standard Colors, Add	*1,244.40*	
		For Anodized Finish, Add	*1,659.20*	
		For Kynar® Standard Colors Finish, Add	*2,281.40*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,657.75	119.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*441.89*	
		For Clear Lacquer Finish, Add	*883.78*	
		For Baked Enamel Standard Colors, Add	*1,325.66*	
		For Anodized Finish, Add	*1,767.55*	
		For Kynar® Standard Colors Finish, Add	*2,430.38*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,962.36	122.75
		Note: Includes bird screen.		
		For Flange Frame, Add	*471.69*	
		For Clear Lacquer Finish, Add	*943.37*	
		For Baked Enamel Standard Colors, Add	*1,415.06*	
		For Anodized Finish, Add	*1,886.74*	
		For Kynar® Standard Colors Finish, Add	*2,594.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,236.34	126.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*498.42*	
		For Clear Lacquer Finish, Add	*996.84*	
		For Baked Enamel Standard Colors, Add	*1,495.26*	
		For Anodized Finish, Add	*1,993.68*	
		For Kynar® Standard Colors Finish, Add	*2,741.31*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,646.93	129.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*538.82*	
		For Clear Lacquer Finish, Add	*1,077.63*	
		For Baked Enamel Standard Colors, Add	*1,616.45*	
		For Anodized Finish, Add	*2,155.26*	
		For Kynar® Standard Colors Finish, Add	*2,963.49*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,392.35	61.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,699.62	71.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*155.70*	
		For Clear Lacquer Finish, Add	*311.39*	
		For Baked Enamel Standard Colors, Add	*467.09*	
		For Anodized Finish, Add	*622.79*	
		For Kynar® Standard Colors Finish, Add	*856.33*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,986.88	81.29
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,294.81	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,730.13	89.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,011.19	92.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*282.54*	
		For Clear Lacquer Finish, Add	*565.08*	
		For Baked Enamel Standard Colors, Add	*847.62*	
		For Anodized Finish, Add	*1,130.16*	
		For Kynar® Standard Colors Finish, Add	*1,553.97*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,279.29	96.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*308.69*	
		For Clear Lacquer Finish, Add	*617.37*	
		For Baked Enamel Standard Colors, Add	*926.06*	
		For Anodized Finish, Add	*1,234.74*	
		For Kynar® Standard Colors Finish, Add	*1,697.77*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,609.79	99.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*341.07*	
		For Clear Lacquer Finish, Add	*682.15*	
		For Baked Enamel Standard Colors, Add	*1,023.22*	
		For Anodized Finish, Add	*1,364.30*	
		For Kynar® Standard Colors Finish, Add	*1,875.91*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,884.74	104.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,327.67	112.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*410.21*	
		For Clear Lacquer Finish, Add	*820.41*	
		For Baked Enamel Standard Colors, Add	*1,230.62*	
		For Anodized Finish, Add	*1,640.83*	
		For Kynar® Standard Colors Finish, Add	*2,256.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,594.37	117.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*435.88*	
		For Clear Lacquer Finish, Add	*871.76*	
		For Baked Enamel Standard Colors, Add	*1,307.65*	
		For Anodized Finish, Add	*1,743.53*	
		For Kynar® Standard Colors Finish, Add	*2,397.35*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,901.12	122.75
		Note: Includes bird screen.		
		For Flange Frame, Add	*465.56*	
		For Clear Lacquer Finish, Add	*931.12*	
		For Baked Enamel Standard Colors, Add	*1,396.68*	
		For Anodized Finish, Add	*1,862.24*	
		For Kynar® Standard Colors Finish, Add	*2,560.59*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,224.56	126.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*497.24*	
		For Clear Lacquer Finish, Add	*994.48*	
		For Baked Enamel Standard Colors, Add	*1,491.73*	
		For Anodized Finish, Add	*1,988.97*	
		For Kynar® Standard Colors Finish, Add	*2,734.83*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,494.79	131.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*523.27*	
		For Clear Lacquer Finish, Add	*1,046.54*	
		For Baked Enamel Standard Colors, Add	*1,569.81*	
		For Anodized Finish, Add	*2,093.08*	
		For Kynar® Standard Colors Finish, Add	*2,877.99*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,930.12	134.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*566.14*	
		For Clear Lacquer Finish, Add	*1,132.28*	
		For Baked Enamel Standard Colors, Add	*1,698.42*	
		For Anodized Finish, Add	*2,264.56*	
		For Kynar® Standard Colors Finish, Add	*3,113.77*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,457.67	66.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.50*	
		For Clear Lacquer Finish, Add	*264.99*	
		For Baked Enamel Standard Colors, Add	*397.49*	
		For Anodized Finish, Add	*529.98*	
		For Kynar® Standard Colors Finish, Add	*728.73*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,776.71	76.31
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.41*	
		For Clear Lacquer Finish, Add	*324.82*	
		For Baked Enamel Standard Colors, Add	*487.23*	
		For Anodized Finish, Add	*649.64*	
		For Kynar® Standard Colors Finish, Add	*893.26*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,079.28	86.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.68*	
		For Clear Lacquer Finish, Add	*381.35*	
		For Baked Enamel Standard Colors, Add	*572.03*	
		For Anodized Finish, Add	*762.70*	
		For Kynar® Standard Colors Finish, Add	*1,048.72*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,404.87	91.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,854.34	94.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.52*	
		For Clear Lacquer Finish, Add	*533.05*	
		For Baked Enamel Standard Colors, Add	*799.57*	
		For Anodized Finish, Add	*1,066.09*	
		For Kynar® Standard Colors Finish, Add	*1,465.88*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,183.67	97.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*298.79*	
		For Clear Lacquer Finish, Add	*597.59*	
		For Baked Enamel Standard Colors, Add	*896.38*	
		For Anodized Finish, Add	*1,195.17*	
		For Kynar® Standard Colors Finish, Add	*1,643.36*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,469.42	101.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.71*	
		For Clear Lacquer Finish, Add	*653.41*	
		For Baked Enamel Standard Colors, Add	*980.12*	
		For Anodized Finish, Add	*1,306.82*	
		For Kynar® Standard Colors Finish, Add	*1,796.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,783.45	104.50
		Note: Includes bird screen.		
		For Flange Frame, Add	*357.44*	
		For Clear Lacquer Finish, Add	*714.89*	
		For Baked Enamel Standard Colors, Add	*1,072.33*	
		For Anodized Finish, Add	*1,429.78*	
		For Kynar® Standard Colors Finish, Add	*1,965.94*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,073.92	107.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*385.83*	
		For Clear Lacquer Finish, Add	*771.66*	
		For Baked Enamel Standard Colors, Add	*1,157.48*	
		For Anodized Finish, Add	*1,543.31*	
		For Kynar® Standard Colors Finish, Add	*2,122.05*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,551.00	116.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*431.88*	
		For Clear Lacquer Finish, Add	*863.75*	
		For Baked Enamel Standard Colors, Add	*1,295.63*	
		For Anodized Finish, Add	*1,727.51*	
		For Kynar® Standard Colors Finish, Add	*2,375.32*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,559.88	121.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.77*	
		For Clear Lacquer Finish, Add	*663.54*	
		For Baked Enamel Standard Colors, Add	*995.31*	
		For Anodized Finish, Add	*1,327.08*	
		For Kynar® Standard Colors Finish, Add	*1,824.73*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,140.94	126.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*488.88*	
		For Clear Lacquer Finish, Add	*977.76*	
		For Baked Enamel Standard Colors, Add	*1,466.64*	
		For Anodized Finish, Add	*1,955.52*	
		For Kynar® Standard Colors Finish, Add	*2,688.84*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,476.16	129.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*521.74*	
		For Clear Lacquer Finish, Add	*1,043.48*	
		For Baked Enamel Standard Colors, Add	*1,565.22*	
		For Anodized Finish, Add	*2,086.96*	
		For Kynar® Standard Colors Finish, Add	*2,869.56*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,760.52	134.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*549.18*	
		For Clear Lacquer Finish, Add	*1,098.36*	
		For Baked Enamel Standard Colors, Add	*1,647.54*	
		For Anodized Finish, Add	*2,196.72*	
		For Kynar® Standard Colors Finish, Add	*3,020.49*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,226.27	139.34
		Note: Includes bird screen.		
		For Flange Frame, Add	*594.76*	
		For Clear Lacquer Finish, Add	*1,189.52*	
		For Baked Enamel Standard Colors, Add	*1,784.28*	
		For Anodized Finish, Add	*2,379.04*	
		For Kynar® Standard Colors Finish, Add	*3,271.17*	

08 91 19 00-0227 Fixed Hurricane Louvers *(08 91 19)*

08 91 19 00-0228	EA	24" x 24" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	2,131.46	31.51
08 91 19 00-0229	EA	36" x 36" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,155.60	50.42
08 91 19 00-0230	EA	48" x 48" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,829.05	66.35
08 91 19 00-0231	EA	54" x 54" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	4,369.88	76.31
08 91 19 00-0232	EA	60" x 60" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	5,073.52	86.25
08 91 19 00-0233	EA	72" x 96" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	8,247.73	121.09

08 91 19 00-0234 Gable Louver Vents *(08 91 19)*

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0235 Aluminum Gable Louver Vents *(08 91 19 00-0234)*

Note: Includes screen.

08 91 19 00-0236 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0235)*

Note: Includes screen.

08 91 19 00-0237	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	157.62	4.90
08 91 19 00-0238	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	172.05	5.63
08 91 19 00-0239	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	198.70	6.35
08 91 19 00-0240	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	218.25	6.75
08 91 19 00-0241	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	250.01	7.15
08 91 19 00-0242	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	278.77	8.58
08 91 19 00-0243	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	321.92	10.73
08 91 19 00-0244	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	357.88	12.51
08 91 19 00-0245	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	408.21	15.02
08 91 19 00-0246	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	508.87	20.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247		**Square Aluminum Gable Louver Vents** *(08 91 19 00-0235)* Note: Includes screen.		
08 91 19 00-0248	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	144.24	4.51
08 91 19 00-0249	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	178.42	5.72
08 91 19 00-0250	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	224.35	6.75
08 91 19 00-0251	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	285.96	8.94
08 91 19 00-0252	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	365.07	12.87
08 91 19 00-0253	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	458.50	17.51
08 91 19 00-0254	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	566.40	22.88
08 91 19 00-0255		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0235)* Note: Includes screen.		
08 91 19 00-0256	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	144.24	4.51
08 91 19 00-0257	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	178.42	5.72
08 91 19 00-0258	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	224.35	6.75
08 91 19 00-0259	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	285.96	8.94
08 91 19 00-0260	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	365.07	12.87
08 91 19 00-0261	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	458.55	17.52
08 91 19 00-0262		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0235)* Note: Includes screen.		
08 91 19 00-0263	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	144.24	4.51
08 91 19 00-0264	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	157.62	4.90
08 91 19 00-0265	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	172.05	5.63
08 91 19 00-0266	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	178.42	5.72
08 91 19 00-0267	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	198.70	6.35
08 91 19 00-0268	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	218.25	6.75
08 91 19 00-0269	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	224.35	6.75
08 91 19 00-0270	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	250.01	7.15
08 91 19 00-0271	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	278.77	8.58
08 91 19 00-0272	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	285.96	8.94
08 91 19 00-0273	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	321.92	10.73
08 91 19 00-0274	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	357.88	12.51
08 91 19 00-0275	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	365.07	12.87
08 91 19 00-0276	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	408.21	15.02
08 91 19 00-0277	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	451.35	17.16
08 91 19 00-0278	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	458.55	17.52
08 91 19 00-0279	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	508.87	20.02
08 91 19 00-0280	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	566.40	22.88
08 91 19 00-0281		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0235)* Note: Includes screen.		
08 91 19 00-0282	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	144.24	4.51
08 91 19 00-0283	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	157.62	4.90
08 91 19 00-0284	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	172.05	5.63
08 91 19 00-0285	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	178.42	5.72
08 91 19 00-0286	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	198.70	6.35
08 91 19 00-0287	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	218.25	6.75
08 91 19 00-0288	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	224.35	6.75
08 91 19 00-0289	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	250.01	7.15
08 91 19 00-0290	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	278.77	8.58
08 91 19 00-0291	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	285.96	8.94
08 91 19 00-0292	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	321.92	10.73
08 91 19 00-0293	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	357.88	12.51
08 91 19 00-0294	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	365.07	12.87
08 91 19 00-0295	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	408.21	15.02
08 91 19 00-0296	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	451.35	17.16
08 91 19 00-0297	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	458.55	17.52
08 91 19 00-0298	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	508.87	20.02
08 91 19 00-0299	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	566.40	22.88
08 91 19 00-0300		**Triangle Aluminum Gable Louver Vents** *(08 91 19 00-0235)* Note: Includes screen.		
08 91 19 00-0301	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	306.62	5.63
08 91 19 00-0302	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	346.70	6.75
08 91 19 00-0303	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	372.35	7.15
08 91 19 00-0304	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	425.58	8.58
08 91 19 00-0305	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	475.59	8.94
08 91 19 00-0306	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	383.09	10.73
08 91 19 00-0307	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	449.64	12.51
08 91 19 00-0308	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	511.88	12.87
08 91 19 00-0309	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	579.49	15.02
08 91 19 00-0310	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	451.35	17.16
08 91 19 00-0311	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	525.84	17.52
08 91 19 00-0312	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	606.74	20.02
08 91 19 00-0313	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	688.74	22.88
08 91 19 00-0314	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	772.39	26.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0315		**Vinyl Gable Louver Vents** *(08 91 19 00-0234)* Note: Includes screen.		
08 91 19 00-0316	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	55.29	4.51
08 91 19 00-0317	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	69.00	4.90
08 91 19 00-0318	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	95.47	6.35
08 91 19 00-0319	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	136.89	7.15
08 91 19 00-0320	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	94.13	5.72
08 91 19 00-0321	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	108.23	6.75
08 91 19 00-0322	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	154.89	8.94
08 91 19 00-0323	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	227.14	12.87
08 91 19 00-0324	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	94.13	5.72
08 91 19 00-0325	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	107.04	6.35
08 91 19 00-0326	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	142.23	7.15
08 91 19 00-0327	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	199.74	10.73
08 91 19 00-0328	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	507.53	17.16
08 91 19 00-0329	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	92.18	5.63
08 91 19 00-0330	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	131.18	7.15
08 91 19 00-0331	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	131.31	8.58
08 91 19 00-0332	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	336.65	10.73
08 91 19 00-0333	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	336.65	10.73
08 91 19 00-0334	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	336.65	10.73
08 91 19 00-0335	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	336.65	10.73
08 91 19 00-0336	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	336.65	10.73
08 91 19 00-0337	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	355.97	17.16
08 91 19 00-0338	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	355.97	17.16
08 91 19 00-0339	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	355.97	17.16
08 91 19 00-0340	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	355.97	17.16
08 91 19 00-0341		**Wooden Gable Louver Vents** *(08 91 19 00-0234)* Note: Includes screen.		
08 91 19 00-0342		**Square Wooden Gable Louver Vents** *(08 91 19 00-0341)* Note: Includes screen.		
08 91 19 00-0343	EA	12" x 12" Square Fixed Wooden Cedar Gable Louver Vent	124.43	4.51
08 91 19 00-0344	EA	18" x 18" Square Fixed Wooden Cedar Gable Louver Vent	164.03	5.72
08 91 19 00-0345	EA	24" x 24" Square Fixed Wooden Cedar Gable Louver Vent	221.08	6.75
08 91 19 00-0346	EA	30" x 30" Square Fixed Wooden Cedar Gable Louver Vent	319.05	8.94
08 91 19 00-0347	EA	36" x 36" Square Fixed Wooden Cedar Gable Louver Vent	432.84	12.87
08 91 19 00-0348	EA	42" x 42" Square Fixed Wooden Cedar Gable Louver Vent	575.22	17.51
08 91 19 00-0349	EA	48" x 48" Square Fixed Wooden Cedar Gable Louver Vent	746.65	22.88
08 91 19 00-0350		**Rectangular Wooden Gable Louver Vents** *(08 91 19 00-0341)* Note: Includes screen.		
08 91 19 00-0351	EA	12" x 18" Rectangular Fixed Wooden Cedar Gable Louver Vent	140.99	4.90
08 91 19 00-0352	EA	12" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	158.59	5.63
08 91 19 00-0353	EA	18" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	188.22	6.35
08 91 19 00-0354	EA	18" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	211.70	6.75
08 91 19 00-0355	EA	24" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	252.46	7.15
08 91 19 00-0356	EA	24" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	286.94	8.58
08 91 19 00-0357	EA	30" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	366.87	10.73
08 91 19 00-0358	EA	30" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	414.67	12.51
08 91 19 00-0359	EA	36" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	491.64	15.02
08 91 19 00-0360	EA	42" x 48" Rectangular Fixed Wooden Cedar Gable Louver Vent	646.01	20.02
08 91 19 00-0361		**Round Wooden Gable Louver Vents** *(08 91 19 00-0341)* Note: Includes screen.		
08 91 19 00-0362	EA	12" Diameter Round Fixed Wooden Cedar Gable Louver Vent	108.30	4.51
08 91 19 00-0363	EA	18" Diameter Round Fixed Wooden Cedar Gable Louver Vent	206.73	5.72
08 91 19 00-0364	EA	24" Diameter Round Fixed Wooden Cedar Gable Louver Vent	316.46	6.75
08 91 19 00-0365	EA	30" Diameter Round Fixed Wooden Cedar Gable Louver Vent	417.96	8.94
08 91 19 00-0366	EA	36" Diameter Round Fixed Wooden Cedar Gable Louver Vent	552.98	12.87
08 91 19 00-0367	EA	42" Diameter Round Fixed Wooden Cedar Gable Louver Vent	700.53	17.52
08 91 19 00-0368		**Octagonal Wooden Gable Louver Vents** *(08 91 19 00-0341)* Note: Includes screen.		
08 91 19 00-0369	EA	12" x 12" Octagonal Fixed Wooden Cedar Gable Louver Vent	149.06	4.51
08 91 19 00-0370	EA	12" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	165.62	4.90
08 91 19 00-0371	EA	12" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	183.23	5.63
08 91 19 00-0372	EA	18" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	188.66	5.72
08 91 19 00-0373	EA	18" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	212.85	6.35
08 91 19 00-0374	EA	18" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	236.33	6.75
08 91 19 00-0375	EA	24" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	245.71	6.75
08 91 19 00-0376	EA	24" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	277.09	7.15
08 91 19 00-0377	EA	24" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	311.57	8.58
08 91 19 00-0378	EA	30" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	343.68	8.94
08 91 19 00-0379	EA	30" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	391.50	10.73
08 91 19 00-0380	EA	30" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	439.30	12.51
08 91 19 00-0381	EA	36" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	457.48	12.87
08 91 19 00-0382	EA	36" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	516.27	15.02
08 91 19 00-0383	EA	36" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	575.07	17.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0384	EA	42" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	599.91	17.52
08 91 19 00-0385	EA	42" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	670.64	20.02
08 91 19 00-0386	EA	48" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	771.28	22.88
08 91 19 00-0387		**Round Top Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0388	EA	12" x 12" Round Top Fixed Wooden Cedar Gable Louver Vent	128.12	4.51
08 91 19 00-0389	EA	12" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	144.69	4.90
08 91 19 00-0390	EA	12" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	162.29	5.63
08 91 19 00-0391	EA	18" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	167.72	5.72
08 91 19 00-0392	EA	18" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	191.92	6.35
08 91 19 00-0393	EA	18" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	215.39	6.75
08 91 19 00-0394	EA	24" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	224.78	6.75
08 91 19 00-0395	EA	24" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	256.16	7.15
08 91 19 00-0396	EA	24" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	290.64	8.58
08 91 19 00-0397	EA	30" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	322.74	8.94
08 91 19 00-0398	EA	30" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	370.56	10.73
08 91 19 00-0399	EA	30" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	418.37	12.51
08 91 19 00-0400	EA	36" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	436.54	12.87
08 91 19 00-0401	EA	36" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	495.34	15.02
08 91 19 00-0402	EA	36" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	554.14	17.16
08 91 19 00-0403	EA	42" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	578.97	17.52
08 91 19 00-0404	EA	42" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	649.70	20.02
08 91 19 00-0405	EA	48" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	750.34	22.88
08 91 19 00-0406		**Triangle Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0407	EA	4' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	253.58	6.75
08 91 19 00-0408	EA	4' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	268.49	7.15
08 91 19 00-0409	EA	5' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	272.78	8.58
08 91 19 00-0410	EA	5' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	285.29	8.94
08 91 19 00-0411	EA	5' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	304.39	10.73
08 91 19 00-0412	EA	6' Base 4/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	297.97	12.51
08 91 19 00-0413	EA	6' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	310.83	12.87
08 91 19 00-0414	EA	6' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	370.58	15.02
08 91 19 00-0415	EA	6' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	412.21	17.16
08 91 19 00-0416		**Composite Gable Louvers** *(08 91 19 00-0234)*		
08 91 19 00-0417		**Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0418		**Round Composite Gable Louvers** *(08 91 19 00-0417)*		
08 91 19 00-0419	EA	12" Diameter, Functional, Round Composite Gable Louver	94.42	6.70
08 91 19 00-0420	EA	12" Diameter, Non-Functional, Round Composite Gable Louver	86.15	6.70
08 91 19 00-0421	EA	18" Diameter, Functional, Round Composite Gable Louver	124.81	7.73
08 91 19 00-0422	EA	18" Diameter, Non-Functional, Round Composite Gable Louver	113.57	7.73
08 91 19 00-0423	EA	24" Diameter, Functional, Round Composite Gable Louver	159.37	9.02
08 91 19 00-0424	EA	24" Diameter, Non-Functional, Round Composite Gable Louver	144.78	9.02
08 91 19 00-0425		**Round Composite Gable Louvers With Keystones** *(08 91 19 00-0417)*		
08 91 19 00-0426	EA	18" Diameter, Functional, Round Composite Gable Louver With Keystones	231.02	7.73
08 91 19 00-0427	EA	18" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	219.87	7.73
08 91 19 00-0428	EA	24" Diameter, Functional, Round Composite Gable Louver With Keystones	242.90	9.02
08 91 19 00-0429	EA	24" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	233.33	9.02
08 91 19 00-0430		**Half Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0431		**Half Round Composite Gable Louvers** *(08 91 19 00-0430)*		
08 91 19 00-0432	EA	24" Diameter, Functional, Half Round Composite Gable Louver	138.65	9.02
08 91 19 00-0433	EA	24" Diameter, Non-Functional, Half Round Composite Gable Louver	130.47	9.02
08 91 19 00-0434	EA	36" Diameter, Functional, Half Round Composite Gable Louver	186.72	11.59
08 91 19 00-0435	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver	172.41	11.59
08 91 19 00-0436		**Half Round Composite Gable Louvers With Keystones** *(08 91 19 00-0430)*		
08 91 19 00-0437	EA	36" Diameter, Functional, Half Round Composite Gable Louver With Keystones	280.76	11.59
08 91 19 00-0438	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver With Keystones	251.69	11.59
08 91 19 00-0439		**Triangle Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0440	EA	48" W x 10" H, Functional, Triangle, Composite Gable Louver	217.44	14.17
08 91 19 00-0441	EA	48" W x 10" H, Non-Functional, Triangle, Composite Gable Louver	206.19	14.17
08 91 19 00-0442	EA	48" W x 12" H, Functional, Triangle Composite Gable Louver	225.12	15.45
08 91 19 00-0443	EA	48" W x 12" H, Non-Functional, Triangle Composite Gable Louver	212.85	15.45
08 91 19 00-0444		**Octagon Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0445	EA	12", Functional, Octagon Composite Gable Louver	198.25	6.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0446	EA	12", Non-Functional, Octagon Composite Gable Louver	192.88	6.70
08 91 19 00-0447	EA	18", Functional, Octagon Composite Gable Louver	115.61	7.73
08 91 19 00-0448	EA	18", Non-Functional, Octagon Composite Gable Louver	109.48	7.73

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	5.93	1.53
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	9.39	2.98
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	19.07	3.98
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	20.37	3.98

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	4.00	1.38
		For Colors, Add	*0.13*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	4.33	1.38
		For Colors, Add	*0.16*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001 Foundation Vents *(08 95 16)*

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.39	0.12
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.09	0.12
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.05	0.12
08 95 16 00-0005	SI	Plastic Foundation Vent	0.49	0.12

END OF SECTION 08

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	10.90
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	8.93
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	8.09
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	7.21
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	6.53

09 01 20 91-0007 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0008 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	10.12
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	8.15
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	6.68
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	5.20
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	4.21
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	3.24

09 01 20 91-0015 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	10.46
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	9.37
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	8.70
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	8.16
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	7.68
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	7.14

09 01 20 91-0022 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0007)*
Note: Includes plaster weld.

09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	18.89
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	13.97
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	10.53
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	8.56

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	5.02
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	6.26
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	35.06

09 01 50 Maintenance of Ceilings *(09 01)*

09 01 50 91 Ceiling Restoration *(09 01 50)*

09 01 50 91-0001 Repair Ceiling Suspension System *(09 01 50 91)*
See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	196.84
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	2.88
09 01 60 91-0004	SF	Repair Existing Terrazzo	15.82
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	3.17

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0007	CSF	Steam Clean Carpet	25.98	
		For Up To 1, Add	*11.69*	
		For >1 To 5, Add	*4.67*	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	31.20	
		For Up To 1, Add	*12.99*	
		For >1 To 5, Add	*5.20*	
		For Additional Coat, Add	*27.05*	
		For Stripping Existing Wax From Floor, Add	*31.36*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	23.24	
		For Up To 1, Add	*8.12*	
		For >1 To 5, Add	*3.25*	
		For Additional Coat, Add	*21.39*	
		For Stripping Existing Wax From Floor, Add	*31.36*	
09 01 60 91-0010	MSF	Vacuum Floors	13.04	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	4.89	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	9.43	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	4.48	

09 01 60 91-0015 Floor Sealants *(09 01 60 91)*

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	0.82	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	0.95	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.16	
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	37.89	

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	1.22	

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.25	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.29	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.35	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.87	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.36	
		For Up To 100, Add	*2.41*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.26*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	2.29	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*1.30*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.67*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*4.58*	
		For Up To 100, Add	*3.44*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.46*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 30,000, Deduct	*-0.32*	
		For >30,000, Deduct	*-0.42*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.18	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.05*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.30	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.08*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.24	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.32	
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.35	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.72	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.00	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.43	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.26*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.40	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.21*	
		For >15,000 To 30,000, Deduct	*-0.34*	
		For >30,000, Deduct	*-0.44*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	1.84	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.26*	
		For >30,000, Deduct	*-0.34*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.30	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 30,000, Deduct	*-0.32*	
		For >30,000, Deduct	*-0.42*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.98	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.42*	
		For >30,000, Deduct	*-0.55*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	3.73	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 15,000, Deduct	*-0.32*	
		For >15,000 To 30,000, Deduct	*-0.52*	
		For >30,000, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0031		**Tile Surfaces, Surface Preparation** *(09 01 90 52-0001)*		
09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.22	
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.03*	
		For >30,000, Deduct	*-0.04*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	20.67	
		For Up To 100, Add	*15.22*	
		For >100 To 250, Add	*7.10*	
		For >250 To 500, Add	*3.04*	
		For >5,000 To 10,000, Deduct	*-1.03*	
		For >10,000 To 15,000, Deduct	*-2.05*	
		For >15,000 To 30,000, Deduct	*-3.09*	
		For >30,000, Deduct	*-4.12*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.23	
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.03*	
		For >30,000, Deduct	*-0.04*	
09 01 90 52-0035		**Wood Surfaces, Surface Preparation** *(09 01 90 52-0001)*		
09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	0.74	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.23	
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.03*	
		For >30,000, Deduct	*-0.05*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.42	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.49	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.34	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.46	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.52	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.22	
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.03*	
		For >30,000, Deduct	*-0.04*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.34	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.31	
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.06*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.54	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.25	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 15,000, Deduct	*-0.02*	
		For >15,000 To 30,000, Deduct	*-0.04*	
		For >30,000, Deduct	*-0.05*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.38	
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations	0.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0056		Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*		
09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.60	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 01 90 61		**Repainting** *(09 01 90)*		
09 01 90 61-0001		Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*		
		Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	0.84	
09 01 90 91		**Paint Restoration** *(09 01 90)*		
09 01 90 91-0001		Paint Removal, Strip To Bare Wood *(09 01 90 91)*		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	3.72	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	3.97	
09 05		**Common Work Results for Finishes** *(09)*		
09 05 61		**Common Work Results for Flooring Preparation** *(09 05)*		
09 05 61 13		**Moisture Vapor Emission Control** *(09 05 61)*		
09 05 61 13-0001		Moisture Vapor Reduction System (Koster VAP) *(09 05 61 13)*		
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	12.28	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	9.75	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	6.50	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	5.42	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	4.33	
		Note: Clear		
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	2.90	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.06	
09 05 71		**Acoustic Underlayment** *(09 05)*		
09 05 71 00-0001		Tile And Stone Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.13	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.47*	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	2.80	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.22	
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.14	
09 20		**Plaster and Gypsum Board** *(09)*		
09 22		**Supports for Plaster and Gypsum Board** *(09 20)*		
		Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 22 13		**Metal Furring** *(09 22)*		
09 22 13 13		**Metal Channel Furring** *(09 22 13)*		
09 22 13 13-0001		Hat Furring Channel *(09 22 13 13)*		
		Note: Includes clips where required.		
09 22 13 13-0002		Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	2.44	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.33*	
		For 12" On Center, Add	*0.41*	
		For 22 Gauge, Add	*0.42*	
		For 20 Gauge, Add	*0.79*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	2.77	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.39*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.58*	
		For 20 Gauge, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0005		Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	3.31	1.24
		For Columns And Beams >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.42*	
		For 12" On Center, Add	*0.54*	
		For 22 Gauge, Add	*0.42*	
		For 20 Gauge, Add	*0.92*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	3.64	1.24
		For Columns And Beams >10' High, Add	*0.49*	
		For 24" On Center, Deduct	*-0.48*	
		For 12" On Center, Add	*0.60*	
		For 22 Gauge, Add	*0.59*	
		For 20 Gauge, Add	*1.14*	
09 22 13 13-0008		Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*		
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	3.36	0.99
		For Ceilings >10' High, Add	*0.30*	
		For 24" On Center, Deduct	*-0.47*	
		For 12" On Center, Add	*0.57*	
		For 22 Gauge, Add	*0.69*	
		For 20 Gauge, Add	*1.21*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	3.69	0.99
		For Ceilings >10' High, Add	*0.30*	
		For 24" On Center, Deduct	*-0.54*	
		For 12" On Center, Add	*0.64*	
		For 22 Gauge, Add	*0.86*	
		For 20 Gauge, Add	*1.43*	
09 22 13 13-0011		Z Furring Channel *(09 22 13 13)*		
09 22 13 13-0012		Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*		
09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	1.94	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.23*	
		For 12" On Center, Add	*0.31*	
		For 22 Gauge, Add	*0.17*	
		For 20 Gauge, Add	*0.46*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.01	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.24*	
		For 12" On Center, Add	*0.32*	
		For 22 Gauge, Add	*0.20*	
		For 20 Gauge, Add	*0.51*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.07	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.25*	
		For 12" On Center, Add	*0.33*	
		For 22 Gauge, Add	*0.23*	
		For 20 Gauge, Add	*0.55*	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.12	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.26*	
		For 12" On Center, Add	*0.34*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.58*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.16	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.27*	
		For 12" On Center, Add	*0.35*	
		For 22 Gauge, Add	*0.28*	
		For 20 Gauge, Add	*0.60*	
09 22 13 23		**Resilient Channel Furring** *(09 22 13)*		
09 22 13 23-0001		Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)* Note: Includes clips where required.		
09 22 13 23-0002		Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*		
09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	2.32	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.30*	
		For 12" On Center, Add	*0.38*	
		For 20 Gauge, Add	*0.71*	
09 22 13 23-0004		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*		
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	2.69	0.99
		For Ceilings >10' High, Add	*0.30*	
		For 24" On Center, Deduct	*-0.34*	
		For 12" On Center, Add	*0.44*	
		For 20 Gauge, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 23-0006		Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)* Note: Includes clips where required.		
09 22 13 23-0007		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*		
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	2.58	0.80
		For Walls >10' High, Add	*0.24*	
		For 24" On Center, Deduct	*-0.36*	
		For 12" On Center, Add	*0.44*	
		For 20 Gauge, Add	*0.88*	
09 22 13 23-0009		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*		
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	2.95	0.99
		For Ceilings >10' High, Add	*0.30*	
		For 24" On Center, Deduct	*-0.39*	
		For 12" On Center, Add	*0.49*	
		For 20 Gauge, Add	*0.94*	
09 22 16		**Non-Structural Metal Framing** *(09 22)* Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
09 22 16 13		**Non-Structural Metal Stud Framing** *(09 22 16)*		
09 22 16 13-0001		25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	1.77	0.34
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.35*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*0.84*	
		For Soffit, Columns Or Beams >10' High, Add	*1.09*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.38*	
		For Curved Wall, Add	*0.25*	
		For 12" On Center, Add	*0.31*	
		For 24" On Center, Deduct	*-0.31*	
		For Up To 100, Add	*0.52*	
		For >100 To 300, Add	*0.26*	
		For >1,000, Deduct	*-0.18*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	1.93	0.36
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.39*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*0.90*	
		For Soffit, Columns Or Beams >10' High, Add	*1.16*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.41*	
		For Curved Wall, Add	*0.26*	
		For 12" On Center, Add	*0.34*	
		For 24" On Center, Deduct	*-0.34*	
		For Up To 100, Add	*0.56*	
		For >100 To 300, Add	*0.28*	
		For >1,000, Deduct	*-0.20*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.12	0.37
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*0.95*	
		For Soffit, Columns Or Beams >10' High, Add	*1.22*	
		For Horizontal Installation Up To 10' High, Add	*0.35*	
		For Horizontal Installation >10' High, Add	*0.44*	
		For Curved Wall, Add	*0.28*	
		For 12" On Center, Add	*0.38*	
		For 24" On Center, Deduct	*-0.38*	
		For Up To 100, Add	*0.61*	
		For >100 To 300, Add	*0.30*	
		For >1,000, Deduct	*-0.23*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.29	0.39
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.46*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.01*	
		For Soffit, Columns Or Beams >10' High, Add	*1.30*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.47*	
		For Curved Wall, Add	*0.29*	
		For 12" On Center, Add	*0.41*	
		For 24" On Center, Deduct	*-0.41*	
		For Up To 100, Add	*0.65*	
		For >100 To 300, Add	*0.33*	
		For >1,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.64	0.41
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.08*	
		For Soffit, Columns Or Beams >10' High, Add	*1.39*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.52*	
		For Curved Wall, Add	*0.31*	
		For 12" On Center, Add	*0.48*	
		For 24" On Center, Deduct	*-0.48*	
		For Up To 100, Add	*0.73*	
		For >100 To 300, Add	*0.37*	
		For >1,000, Deduct	*-0.29*	
09 22 16 13-0007		**20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies** *(09 22 16 13)*		
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.10	0.35
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*0.90*	
		For Soffit, Columns Or Beams >10' High, Add	*1.16*	
		For Horizontal Installation Up To 10' High, Add	*0.34*	
		For Horizontal Installation >10' High, Add	*0.43*	
		For Curved Wall, Add	*0.26*	
		For 12" On Center, Add	*0.38*	
		For 24" On Center, Deduct	*-0.38*	
		For Up To 100, Add	*0.59*	
		For >100 To 300, Add	*0.30*	
		For >1,000, Deduct	*-0.23*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.37	0.37
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.47*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*0.97*	
		For Soffit, Columns Or Beams >10' High, Add	*1.24*	
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Curved Wall, Add	*0.27*	
		For 12" On Center, Add	*0.43*	
		For 24" On Center, Deduct	*-0.43*	
		For Up To 100, Add	*0.66*	
		For >100 To 300, Add	*0.33*	
		For >1,000, Deduct	*-0.26*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	2.67	0.38
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.03*	
		For Soffit, Columns Or Beams >10' High, Add	*1.31*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.50*	
		For Curved Wall, Add	*0.29*	
		For 12" On Center, Add	*0.49*	
		For 24" On Center, Deduct	*-0.49*	
		For Up To 100, Add	*0.72*	
		For >100 To 300, Add	*0.36*	
		For >1,000, Deduct	*-0.31*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners Assembly	2.85	0.40
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.57*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.08*	
		For Soffit, Columns Or Beams >10' High, Add	*1.37*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Curved Wall, Add	*0.30*	
		For 12" On Center, Add	*0.52*	
		For 24" On Center, Deduct	*-0.52*	
		For Up To 100, Add	*0.77*	
		For >100 To 300, Add	*0.38*	
		For >1,000, Deduct	*-0.33*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.35	0.42
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.87*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.27*	
		For Soffit, Columns Or Beams >10' High, Add	*1.58*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.70*	
		For Curved Wall, Add	*0.31*	
		For 12" On Center, Add	*0.82*	
		For 24" On Center, Deduct	*-0.82*	
		For Up To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
		For >1,000, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0013		18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*		
09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.62	0.37
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.72*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.10*	
		For Soffit, Columns Or Beams >10' High, Add	*1.37*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.59*	
		For Curved Wall, Add	*0.28*	
		For 12" On Center, Add	*0.68*	
		For 24" On Center, Deduct	*-0.68*	
		For Up To 100, Add	*0.91*	
		For >100 To 300, Add	*0.45*	
		For >1,000, Deduct	*-0.45*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.06	0.39
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.81*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.18*	
		For Soffit, Columns Or Beams >10' High, Add	*1.47*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Curved Wall, Add	*0.29*	
		For 12" On Center, Add	*0.76*	
		For 24" On Center, Deduct	*-0.76*	
		For Up To 100, Add	*1.01*	
		For >100 To 300, Add	*0.50*	
		For >1,000, Deduct	*-0.51*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.39	0.41
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.88*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.26*	
		For Soffit, Columns Or Beams >10' High, Add	*1.56*	
		For Horizontal Installation Up To 10' High, Add	*0.59*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Curved Wall, Add	*0.31*	
		For 12" On Center, Add	*0.83*	
		For 24" On Center, Deduct	*-0.83*	
		For Up To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
		For >1,000, Deduct	*-0.56*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.02	0.43
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*1.20*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.46*	
		For Soffit, Columns Or Beams >10' High, Add	*1.78*	
		For Horizontal Installation Up To 10' High, Add	*0.76*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.32*	
		For 12" On Center, Add	*1.15*	
		For 24" On Center, Deduct	*-1.15*	
		For Up To 100, Add	*1.42*	
		For >100 To 300, Add	*0.71*	
		For >1,000, Deduct	*-0.80*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.60	0.45
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*1.32*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.56*	
		For Soffit, Columns Or Beams >10' High, Add	*1.89*	
		For Horizontal Installation Up To 10' High, Add	*0.83*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Curved Wall, Add	*0.34*	
		For 12" On Center, Add	*1.26*	
		For 24" On Center, Deduct	*-1.26*	
		For Up To 100, Add	*1.54*	
		For >100 To 300, Add	*0.77*	
		For >1,000, Deduct	*-0.88*	
09 22 16 13-0019		16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.89	0.38
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.78*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.15*	
		For Soffit, Columns Or Beams >10' High, Add	*1.43*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.63*	
		For Curved Wall, Add	*0.29*	
		For 12" On Center, Add	*0.73*	
		For 24" On Center, Deduct	*-0.73*	
		For Up To 100, Add	*0.97*	
		For >100 To 300, Add	*0.48*	
		For >1,000, Deduct	*-0.49*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.71	0.40
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*0.94*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.26*	
		For Soffit, Columns Or Beams >10' High, Add	*1.56*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*0.72*	
		For Curved Wall, Add	*0.30*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
		For Up To 100, Add	*1.14*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.61*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.99	0.42
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*1.00*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.33*	
		For Soffit, Columns Or Beams >10' High, Add	*1.64*	
		For Horizontal Installation Up To 10' High, Add	*0.66*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.31*	
		For 12" On Center, Add	*0.95*	
		For 24" On Center, Deduct	*-0.95*	
		For Up To 100, Add	*1.21*	
		For >100 To 300, Add	*0.60*	
		For >1,000, Deduct	*-0.64*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	6.56	0.44
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*1.31*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.53*	
		For Soffit, Columns Or Beams >10' High, Add	*1.86*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*0.93*	
		For Curved Wall, Add	*0.33*	
		For 12" On Center, Add	*1.26*	
		For 24" On Center, Deduct	*-1.26*	
		For Up To 100, Add	*1.53*	
		For >100 To 300, Add	*0.77*	
		For >1,000, Deduct	*-0.88*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.29	0.46
		For Powder-Actuated Fasteners Every 2', Add	*0.03*	
		For Walls >10' High, Add	*1.46*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.65*	
		For Soffit, Columns Or Beams >10' High, Add	*1.99*	
		For Horizontal Installation Up To 10' High, Add	*0.90*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.35*	
		For 12" On Center, Add	*1.40*	
		For 24" On Center, Deduct	*-1.40*	
		For Up To 100, Add	*1.69*	
		For >100 To 300, Add	*0.84*	
		For >1,000, Deduct	*-0.98*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.08
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	1.36
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	1.86
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	2.38
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	2.86
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	3.43
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	1.55
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	1.97
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	2.77
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	3.57
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	4.38
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	5.23
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	2.23
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	2.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	4.07	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	5.27	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	6.55	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	7.78	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	2.74	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	3.54	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	5.09	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	6.63	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	8.26	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	9.82	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001 Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.02	0.22
		For Walls >10' High, Add	*0.06*	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.57	0.25
		For Walls >10' High, Add	*0.07*	
		For Up To 100, Add	*0.26*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.11	0.30
		For Walls >10' High, Add	*0.07*	
		For Up To 100, Add	*0.30*	
		For >100 To 500, Add	*0.15*	
		For >5,000, Deduct	*-0.06*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.19	0.32
		For Ceilings >10' High, Add	*0.09*	
		For Up To 100, Add	*0.31*	
		For >100 To 500, Add	*0.16*	
		For >5,000, Deduct	*-0.06*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.77	0.36
		For Ceilings >10' High, Add	*0.11*	
		For Up To 100, Add	*0.36*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.34	0.42
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.41*	
		For >100 To 500, Add	*0.21*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.37	0.40
		For Columns And Beams >10' High, Add	*0.12*	
		For Up To 100, Add	*0.40*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.98	0.47
		For Columns And Beams >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.58	0.54
		For Columns And Beams >10' High, Add	*0.16*	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.71	0.22
		For Walls >10' High, Add	*0.06*	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.00	0.25
		For Walls >10' High, Add	*0.07*	
		For Up To 100, Add	*0.26*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	1.88	0.32
		For Ceilings >10' High, Add	*0.09*	
		For Up To 100, Add	*0.31*	
		For >100 To 500, Add	*0.16*	
		For >5,000, Deduct	*-0.06*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.20	0.36
		For Ceilings >10' High, Add	*0.11*	
		For Up To 100, Add	*0.36*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.06	0.40
		For Columns And Beams >10' High, Add	*0.12*	
		For Up To 100, Add	*0.40*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.41	0.47
		For Columns And Beams >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0018		**Foil Back Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.71	0.22
		For Walls >10' High, Add	*0.06*	
		For Up To 100, Add	*0.23*	
		For >100 To 500, Add	*0.11*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.00	0.25
		For Walls >10' High, Add	*0.07*	
		For Up To 100, Add	*0.26*	
		For >100 To 500, Add	*0.13*	
		For >5,000, Deduct	*-0.05*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.88	0.32
		For Ceilings >10' High, Add	*0.09*	
		For Up To 100, Add	*0.31*	
		For >100 To 500, Add	*0.16*	
		For >5,000, Deduct	*-0.06*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.20	0.36
		For Ceilings >10' High, Add	*0.11*	
		For Up To 100, Add	*0.36*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.06	0.40
		For Columns And Beams >10' High, Add	*0.12*	
		For Up To 100, Add	*0.40*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.41	0.47
		For Columns And Beams >10' High, Add	*0.14*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		**Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.67	0.31
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.81	0.31
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.94	0.31
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.35*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.33	0.33
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.76	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.90	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.03	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.38	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.20	0.50
		For Columns And Beams >10' High, Add	*0.17*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.33	0.50
		For Columns And Beams >10' High, Add	*0.17*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.47	0.50
		For Columns And Beams >10' High, Add	*0.17*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.28*	
		For >5,000, Deduct	*-0.11*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.09	0.62
		For Columns And Beams >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0014		**Self-Furring, Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	1.71	0.33
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	1.85	0.33
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	1.98	0.33
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.33	0.33
		For Walls >10' High, Add	*0.09*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	2.47	0.62
		For Columns And Beams >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	2.60	0.62
		For Columns And Beams >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	2.74	0.62
		For Columns And Beams >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	3.29	0.71
		For Columns And Beams >10' High, Add	*0.24*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.79*	
		For >100 To 500, Add	*0.39*	
		For >5,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0023		**High Rib Metal Lath** *(09 22 36 23)*		
09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.14	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.34	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.46	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.69	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 33		**Fiberglass Lath** *(09 22 36)*		
09 22 36 33-0001		Non-Metallic, Fiberglass Lath *(09 22 36 33)*		
09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.45	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.71	0.36
		For Ceilings >10' High, Add	*0.12*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	2.40	0.33
		For Walls >10' High, Add	*0.09*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	2.66	0.33
		For Walls >10' High, Add	*0.09*	
		For Up To 100, Add	*0.37*	
		For >100 To 500, Add	*0.18*	
		For >5,000, Deduct	*-0.07*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001		Casing And Corner Beads *(09 23 13)*		
09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	2.37	0.50
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	2.39	0.50
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	2.66	0.50
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	2.17	0.50
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	2.18	0.50
09 23 13 00-0007		Trim *(09 23 13)*		
09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	2.44	0.50
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	2.44	0.50
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	2.44	0.50
		For Vinyl Instead Of Galvanized, Add	*0.22*	
		For Zinc Instead Of Galvanized, Add	*1.46*	
09 23 13 00-0011		Plaster Forms And Expansion Joints *(09 23 13)*		
09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	3.32	0.50
09 23 13 00-0013		One Skim Coat Gypsum Plaster On Walls *(09 23 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	0.74	
		For Walls >10' High, Add	*0.05*	
		For Horizontal Installation Up To 10' High, Add	*0.08*	
		For Horizontal Installation >10' High, Add	*0.16*	
		For Columns Or Beams Up To 10' High, Add	*0.17*	
		For Columns Or Beams >10' High, Add	*0.25*	
		For Up To 100, Add	*0.27*	
		For >100 To 500, Add	*0.14*	
		For >5,000, Deduct	*-0.11*	
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.54	
		For Walls >10' High, Add	*0.04*	
		For Horizontal Installation Up To 10' High, Add	*0.06*	
		For Horizontal Installation >10' High, Add	*0.12*	
		For Columns Or Beams Up To 10' High, Add	*0.12*	
		For Columns Or Beams >10' High, Add	*0.18*	
		For Up To 100, Add	*0.20*	
		For >100 To 500, Add	*0.10*	
		For >5,000, Deduct	*-0.08*	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	3.37	1.82
		For Walls >10' High, Add	*0.30*	
		For Horizontal Installation Up To 10' High, Add	*0.45*	
		For Horizontal Installation >10' High, Add	*0.90*	
		For Columns Or Beams Up To 10' High, Add	*0.93*	
		For Columns Or Beams >10' High, Add	*1.38*	
		For Up To 100, Add	*1.50*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.60*	
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	3.62	1.72
		For Walls >10' High, Add	*0.28*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Columns Or Beams Up To 10' High, Add	*0.87*	
		For Columns Or Beams >10' High, Add	*1.29*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.56*	
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	3.78	1.72
		For Walls >10' High, Add	*0.28*	
		For Horizontal Installation Up To 10' High, Add	*0.42*	
		For Horizontal Installation >10' High, Add	*0.84*	
		For Columns Or Beams Up To 10' High, Add	*0.87*	
		For Columns Or Beams >10' High, Add	*1.29*	
		For Up To 100, Add	*1.41*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.56*	

09 23 13 00-0020 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	4.11	2.22
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.11*	
		For Columns Or Beams >10' High, Add	*1.65*	
		For Up To 100, Add	*1.79*	
		For >100 To 500, Add	*0.90*	
		For >5,000, Deduct	*-0.72*	
09 23 13 00-0022	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	4.31	2.02
		For Walls >10' High, Add	*0.33*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*1.00*	
		For Columns Or Beams Up To 10' High, Add	*1.03*	
		For Columns Or Beams >10' High, Add	*1.53*	
		For Up To 100, Add	*1.67*	
		For >100 To 500, Add	*0.83*	
		For >5,000, Deduct	*-0.67*	
09 23 13 00-0023	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	3.96	2.02
		For Walls >10' High, Add	*0.33*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Columns Or Beams Up To 10' High, Add	*1.03*	
		For Columns Or Beams >10' High, Add	*1.52*	
		For Up To 100, Add	*1.66*	
		For >100 To 500, Add	*0.83*	
		For >5,000, Deduct	*-0.66*	

09 23 13 00-0024 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0025	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.47	
		For Walls >10' High, Add	*0.03*	
		For Columns Or Beams Up To 10' High, Add	*0.09*	
		For Columns Or Beams >10' High, Add	*0.13*	
		For Ceiling Application Up To 10' High, Add	*0.04*	
		For Ceiling Application >10' High, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	2.88	1.23
		For Walls >10' High, Add	*0.20*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.59*	
		For Columns Or Beams Up To 10' High, Add	*0.61*	
		For Columns Or Beams >10' High, Add	*0.91*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.39*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	4.27	1.92
		For Walls >10' High, Add	*0.31*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Columns Or Beams Up To 10' High, Add	*0.97*	
		For Columns Or Beams >10' High, Add	*1.44*	
		For Up To 100, Add	*1.56*	
		For >100 To 500, Add	*0.78*	
		For >5,000, Deduct	*-0.62*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	4.83	2.17
		For Walls >10' High, Add	*0.35*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*1.06*	
		For Columns Or Beams Up To 10' High, Add	*1.09*	
		For Columns Or Beams >10' High, Add	*1.62*	
		For Up To 100, Add	*1.77*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.71*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	5.28	1.53
		For Walls >10' High, Add	*0.42*	
		For Horizontal Installation Up To 10' High, Add	*0.63*	
		For Horizontal Installation >10' High, Add	*1.25*	
		For Columns Or Beams Up To 10' High, Add	*1.29*	
		For Columns Or Beams >10' High, Add	*1.92*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.88*	
		For Up To 100, Add	*2.09*	
		For >100 To 500, Add	*1.04*	
		For >5,000, Deduct	*-0.83*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	2.50	0.74
		For Walls >10' High, Add	*0.15*	
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.46*	
		For Columns Or Beams Up To 10' High, Add	*0.47*	
		For Columns Or Beams >10' High, Add	*0.70*	
		For Up To 100, Add	*0.77*	
		For >100 To 500, Add	*0.38*	
		For >5,000, Deduct	*-0.31*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	3.52	0.74
		For Walls >10' High, Add	*0.27*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Columns Or Beams Up To 10' High, Add	*0.84*	
		For Columns Or Beams >10' High, Add	*1.25*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.75*	
		For Up To 100, Add	*1.36*	
		For >100 To 500, Add	*0.68*	
		For >5,000, Deduct	*-0.54*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	2.10	0.49
		For Walls >10' High, Add	*0.20*	
		For Horizontal Installation Up To 10' High, Add	*0.30*	
		For Horizontal Installation >10' High, Add	*0.59*	
		For Columns Or Beams Up To 10' High, Add	*0.61*	
		For Columns Or Beams >10' High, Add	*0.91*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*0.74*	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	2.01	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	2.61	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	4.05	

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	2.40	0.33
		For Up To 50, Add	*1.57*	
		For >50 To 250, Add	*0.26*	
		For >1,000, Deduct	*-0.13*	
		For Installation On Wall, Add	*0.26*	
		For Installation On Ceiling, Add	*0.65*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	2.69	0.39
		For Up To 50, Add	*1.83*	
		For >50 To 250, Add	*0.31*	
		For >1,000, Deduct	*-0.15*	
		For Installation On Wall, Add	*0.31*	
		For Installation On Ceiling, Add	*0.77*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	3.42	0.45
		For Up To 50, Add	*2.21*	
		For >50 To 250, Add	*0.36*	
		For >1,000, Deduct	*-0.18*	
		For Installation On Wall, Add	*0.36*	
		For Installation On Ceiling, Add	*0.91*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units (DensShield) *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	2.43	0.36
		For Up To 50, Add	*1.31*	
		For >50 To 250, Add	*0.19*	
		For >1,000, Deduct	*-0.09*	
		For Installation On Wall, Add	*0.19*	
		For Installation On Ceiling, Add	*0.47*	
09 28 16 00-0003	SF	5/8" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	3.67	0.41
		For Up To 50, Add	*1.69*	
		For >50 To 250, Add	*0.21*	
		For >1,000, Deduct	*-0.10*	
		For Installation On Wall, Add	*0.21*	
		For Installation On Ceiling, Add	*0.52*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.06	0.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.10*	
		For Adhesive Applied Sheets, Add	*0.08*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.21*	
		For Walls >10' High, Add	*0.03*	
		For Up To 128, Add	*0.29*	
		For >128 To 320, Add	*0.17*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.11	0.24
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.11*	
		For Adhesive Applied Sheets, Add	*0.08*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.16*	
		For Horizontal Installation >10' High, Add	*0.23*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.31*	
		For >128 To 320, Add	*0.18*	
		For >1,536, Deduct	*-0.12*	
		For Foil Back Board, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0005	SF	1/2" Gypsum Board	1.18	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.13*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.18*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.34*	
		For >128 To 320, Add	*0.20*	
		For >1,536, Deduct	*-0.12*	
		For Foil Back Board, Add	*0.10*	
09 29 10 00-0006	SF	5/8" Gypsum Board	1.42	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.15*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.41*	
		For >128 To 320, Add	*0.23*	
		For >1,536, Deduct	*-0.15*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	1.47	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.16*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.43*	
		For >128 To 320, Add	*0.25*	
		For >1,536, Deduct	*-0.15*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	1.41	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.14*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.20*	
		For Horizontal Installation >10' High, Add	*0.29*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.40*	
		For >128 To 320, Add	*0.23*	
		For >1,536, Deduct	*-0.15*	
		For Foil Back Board, Add	*0.10*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	1.56	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.45*	
		For >128 To 320, Add	*0.26*	
		For >1,536, Deduct	*-0.17*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*

09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	2.70	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.18*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.68*	
		For >128 To 320, Add	*0.37*	
		For >1,536, Deduct	*-0.34*	

09 29 10 00-0015 Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*

Note: Water-resistant gypsum core.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	1.39	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.13*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.18*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.38*	
		For >128 To 320, Add	*0.22*	
		For >1,536, Deduct	*-0.16*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	1.98	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.15*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.52*	
		For >128 To 320, Add	*0.29*	
		For >1,536, Deduct	*-0.24*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	3.67	0.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.14*	
		For Adhesive Applied Sheets, Add	*0.08*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.16*	
		For Horizontal Installation >10' High, Add	*0.23*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.83*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.50*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	3.74	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.15*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.18*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.85*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.51*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	3.82	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.89*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.51*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.42	0.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.20*	
		For Horizontal Installation >10' High, Add	*0.29*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*1.00*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.61*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	7.35	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*1.61*	
		For >128 To 320, Add	*0.84*	
		For >1,536, Deduct	*-1.03*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.82	0.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.13*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.18*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.47*	
		For >128 To 320, Add	*0.26*	
		For >1,536, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.20	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.16*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.56*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.27*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.26	0.26
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.15*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.20*	
		For Horizontal Installation >10' High, Add	*0.29*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.51	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.23*	
		For Horizontal Installation >10' High, Add	*0.34*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.64*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	3.43	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.17*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.43*	
		For >1,536, Deduct	*-0.45*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	2.31	0.30
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.16*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*0.58*	
		For >128 To 320, Add	*0.32*	
		For >1,536, Deduct	*-0.29*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.24	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.19*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*1.17*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.72*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.62	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.20*	
		For Adhesive Applied Sheets, Add	*0.09*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.21*	
		For Horizontal Installation >10' High, Add	*0.31*	
		For Walls >10' High, Add	*0.05*	
		For Up To 128, Add	*1.45*	
		For >128 To 320, Add	*0.76*	
		For >1,536, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.37	
		For Up To 128, Add	*0.13*	
		For >128 To 320, Add	*0.08*	
		For >5,400, Deduct	*-0.04*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.03*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.26*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.26*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	0.47	
		For Up To 128, Add	*0.17*	
		For >128 To 320, Add	*0.10*	
		For >5,400, Deduct	*-0.05*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.04*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.34*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.34*	

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.46	
		For Up To 128, Add	*0.17*	
		For >128 To 320, Add	*0.10*	
		For >5,400, Deduct	*-0.05*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.20*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.04*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.33*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.33*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	0.60	
		For Up To 128, Add	*0.22*	
		For >128 To 320, Add	*0.14*	
		For >5,400, Deduct	*-0.06*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.27*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.06*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.44*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.44*	

09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	0.76	
		For ASTM C840 Level 1 Finish, Deduct	*-0.31*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.07*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.54*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	0.89	
		For ASTM C840 Level 1 Finish, Deduct	*-0.38*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.63*	

09 29 10 00-0046 Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	0.87	
		For ASTM C840 Level 1 Finish, Deduct	*-0.37*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.62*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.01	
		For ASTM C840 Level 1 Finish, Deduct	*-0.44*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.22*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	2.20	0.51
		For Up To 100, Add	*0.20*	
		For >500, Deduct	*-0.11*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	2.15	0.51
		For Up To 100, Add	*0.19*	
		For >500, Deduct	*-0.11*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.56	0.62
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.63	0.62
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.89	0.62
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.03	0.62
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.36	0.62
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.69	0.62
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.02	0.62
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.09	0.62
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.15	0.62
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.53	0.67
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.53	0.67
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.26	0.67
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.39	0.67
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.86	0.67
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.06	0.67
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.32	0.67
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.52	0.67
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.72	0.67
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.04	0.78
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	16.03	0.78
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	4.75	0.64
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	5.28	0.64
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	6.35	0.72
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	6.63	0.78
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.39	0.64
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.93	0.64
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	13.00	0.72
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	13.27	0.78
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	5.28	0.64
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.15	0.72
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	7.76	0.78
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.19	0.41
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.04	0.46
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.92	0.51
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.29	0.56
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.69	0.62
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.89	0.62
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.49	0.62
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.62	0.62
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.01	0.62
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.86	0.67
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.99	0.67
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.72	0.67
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.05	0.67
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.32	0.67
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.65	0.67
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.12	0.67
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.31	0.67
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.31	0.67
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	14.50	0.67
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	20.62	0.67
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	13.30	0.67
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	13.84	0.67
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	15.63	0.67
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	15.83	0.67
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	18.42	0.67
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	14.57	0.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	8.15	0.93
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.26	1.03
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.47	1.24
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.27	1.34
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.75	0.62
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.88	0.62
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.02	0.62
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.02	0.62
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.62	0.62
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.88	0.61
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.15	0.62
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.75	0.62
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.74	0.62
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.81	0.62
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.18	0.67
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.32	0.67
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.58	0.67
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.18	0.67
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.45	0.67
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.65	0.67
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.31	0.67
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.37	0.67
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.44	0.67
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	16.30	0.67
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	22.28	0.67
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.41	0.74
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	21.80	0.90
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	22.66	0.90
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	17.86	0.61
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.08	0.90
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.94	0.61
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0153		**Knee Brace Kit** *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	331.93	6.45
09 29 10 00-0155		**Wall Bumper Rail** *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.38	2.57
09 29 10 00-0157		**Corners For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	7.89	0.62
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.39	0.67
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.51	0.70
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.83	0.74
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.09	0.90
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.30	1.01
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.92	1.15
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	23.23	1.34
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	32.16	1.79
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	7.98	0.59
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	15.97	0.81
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.45	0.81
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	21.82	0.81
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	31.66	1.01
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	30.19	1.01
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	7.32	0.70
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	7.52	0.67
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	7.82	0.62
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.12	0.67
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.70	0.74
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.41	0.62
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.91	0.67
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	17.15	0.74
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	19.72	0.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	32.60	1.34
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	35.26	1.34
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	66.42	2.24
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	112.69	3.17
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.58	0.68
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.23	0.73
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.42	0.88
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.90	0.99
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	25.23	1.13
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	26.82	1.33
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	29.24	1.77
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	17.65	1.33
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	17.98	1.33
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.10	1.33
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.77	1.33

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	4.39	1.29
		For Horizontal Installation Up To 10' High, Add	*0.88*	
		For Horizontal Installation >10' High, Add	*1.29*	
		For Walls >10' High, Add	*0.21*	
		For Up To 128, Add	*1.39*	
		For >128 To 320, Add	*0.83*	
		For >1,536, Deduct	*-0.40*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	4.97	1.54
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Walls >10' High, Add	*0.25*	
		For Up To 128, Add	*1.61*	
		For >128 To 320, Add	*0.96*	
		For >1,536, Deduct	*-0.44*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.50	0.99
		For Horizontal Installation Up To 10' High, Add	*0.67*	
		For Horizontal Installation >10' High, Add	*0.99*	
		For Walls >10' High, Add	*0.16*	
		For Up To 128, Add	*1.50*	
		For >128 To 320, Add	*0.85*	
		For Glass Mat Surfaces, Add	*0.47*	
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.89	1.04
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.05*	
		For Walls >10' High, Add	*0.17*	
		For Up To 128, Add	*1.60*	
		For >128 To 320, Add	*0.90*	
		For Glass Mat Surfaces, Add	*0.47*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	6.63	1.04
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.05*	
		For Walls >10' High, Add	*0.17*	
		For Up To 128, Add	*1.74*	
		For >128 To 320, Add	*0.98*	
		For Glass Mat Surfaces, Add	*0.47*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	7.03	1.09
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.10*	
		For Walls >10' High, Add	*0.18*	
		For Up To 128, Add	*1.84*	
		For >128 To 320, Add	*1.03*	
		For Glass Mat Surfaces, Add	*0.47*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	15.34	1.93
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*6.72*	
		For >50 To 250, Add	*0.77*	
		For >1,000, Deduct	*-0.38*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.05*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.24*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	9.89	1.93
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*5.35*	
		For >50 To 250, Add	*0.77*	
		For >1,000, Deduct	*-0.38*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.05*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.24*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	10.85	1.20
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*6.31*	
		For >50 To 250, Add	*0.96*	
		For >1,000, Deduct	*-0.48*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.19*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.38*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	16.16	2.33
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*7.54*	
		For >50 To 250, Add	*0.93*	
		For >1,000, Deduct	*-0.47*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.17*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.36*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile	10.71	2.33
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*6.17*	
		For >50 To 250, Add	*0.93*	
		For >1,000, Deduct	*-0.47*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.17*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.36*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	11.94	1.47
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*7.40*	
		For >50 To 250, Add	*1.18*	
		For >1,000, Deduct	*-0.59*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.54*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile	14.13	4.05
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.68*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.87*	
		For Up To 50, Add	*9.59*	
		For >50 To 250, Add	*1.62*	
		For >1,000, Deduct	*-0.81*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile	15.75	2.42
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.93*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.12*	
		For Up To 50, Add	*11.21*	
		For >50 To 250, Add	*1.94*	
		For >1,000, Deduct	*-0.97*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim	8.23	1.68
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.24*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.34*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	16.92	1.68
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.24*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.34*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	19.70	1.68
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.24*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.34*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	18.61	0.37
09 30 13 00-0014		**Residential Ceramic Tiling** *(09 30 13)*		
09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade	7.65	1.93
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*4.79*	
		For >50 To 250, Add	*0.77*	
		For >1,000, Deduct	*-0.38*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.05*	
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade	8.47	2.33
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*5.61*	
		For >50 To 250, Add	*0.93*	
		For >1,000, Deduct	*-0.47*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade	9.95	1.93
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*5.37*	
		For >50 To 250, Add	*0.77*	
		For >1,000, Deduct	*-0.38*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.05*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile	9.73	1.35
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*6.48*	
		For >50 To 250, Add	*1.08*	
		For >1,000, Deduct	*-0.54*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.28*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.47*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	23.47	1.35
		For Up To 50, Add	*9.91*	
		For >50 To 250, Add	*1.08*	
		For >1,000, Deduct	*-0.54*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.28*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.47*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile	10.80	1.60
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*7.55*	
		For >50 To 250, Add	*1.29*	
		For >1,000, Deduct	*-0.65*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.44*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.63*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	24.54	1.60
		For Up To 50, Add	*10.98*	
		For >50 To 250, Add	*1.29*	
		For >1,000, Deduct	*-0.65*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.44*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.63*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	14.00	1.78
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.30*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.40*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	36.51	1.78
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.30*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.40*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.22	0.64
		For Up To 50, Add	*1.03*	
		For >50 To 250, Add	*0.19*	
		For >1,000, Deduct	*-0.10*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.62	
		For Up To 50, Add	*0.62*	
		For >50 To 250, Add	*0.12*	
		For >1,000, Deduct	*-0.06*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.35	1.28
		Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	*2.29*	
		For >50 To 250, Add	*0.39*	
		For >1,000, Deduct	*-0.19*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.73	1.72
		Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	*3.10*	
		For >50 To 250, Add	*0.51*	
		For >1,000, Deduct	*-0.26*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls	10.03	3.84
		Note: Includes 15 Lb. felt and expanded metal lath.		
		For Up To 50, Add	*8.28*	
		For >50 To 250, Add	*1.54*	
		For >1,000, Deduct	*-0.77*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,307.76	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,544.90	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,330.74	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	158.02	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	154.36	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	358.01	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	732.66	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	907.49	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	657.73	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	732.66	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	782.61	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	295.39	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	295.39	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	470.23	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	4.85	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	5.71	

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.17	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar Note: Impact and chemical resistant.	5.45	0.85
		For Up To 50, Add	*2.32*	
		For >50 To 250, Add	*0.26*	
		For >1,000, Deduct	*-0.13*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD) *(09 39)*

09 39 00 00-0002	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	8.61	0.36
09 39 00 00-0003	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.71	0.41

09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.40	
09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.52	
09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.66	
09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.89	
09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	4.81	
09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	4.99	
09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.12	
09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.61	
09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	5.27	
09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.84	
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.14	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.43	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.76	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.04	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.33	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.67	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.01	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.32	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.78	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.25	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.64	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.23	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.82	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.86	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.71	0.20
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.75*	
		For Individual Room Quantities <495, Add	*1.11*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.64	0.20
		For Up To 50, Add	*1.71*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.52*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.74*	
		For Individual Room Quantities <495, Add	*1.10*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.25	0.26
		For Up To 50, Add	*1.83*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.79*	
		For Individual Room Quantities <495, Add	*1.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.37	0.26
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.56*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.80*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	10.70	0.26
		For Up To 50, Add	*1.90*	
		For >50 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.82*	
		For Individual Room Quantities <495, Add	*1.22*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	10.68	0.26
		For Up To 50, Add	*1.89*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.82*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	11.20	0.26
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.27*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	11.18	0.26
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.26*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0011		Mineral Fiber Panels *(09 51 13)*		
09 51 13 00-0012		Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*		
		Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	1.46	0.20
		For Up To 50, Add	*0.49*	
		For >50 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.13*	
		For Individual Room Quantities <495, Add	*0.28*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	1.43	0.31
		For Up To 50, Add	*0.48*	
		For >50 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.12*	
		For Individual Room Quantities <495, Add	*0.28*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	1.87	0.20
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	1.85	0.31
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.14	0.20
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.14	0.20
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	2.36	0.31
		For Up To 50, Add	*0.62*	
		For >50 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.37*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	2.37	0.31
		For Up To 50, Add	*0.62*	
		For >50 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.37*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	2.65	0.31
		For Up To 50, Add	*0.67*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.22*	
		For Individual Room Quantities <495, Add	*0.40*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	2.12	0.20
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	2.11	0.31
		For Up To 50, Add	*0.58*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	2.55	0.20
		For Up To 50, Add	*0.65*	
		For >50 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.21*	
		For Individual Room Quantities <495, Add	*0.39*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	1.87	0.20
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	1.85	0.20
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.14	0.20
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	1.89	0.20
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	1.88	0.20
		For Up To 50, Add	*0.55*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.29	0.20
		For Up To 50, Add	*0.61*	
		For >50 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.29	0.20
		For Up To 50, Add	*0.61*	
		For >50 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.45	0.20
		For Up To 50, Add	*0.64*	
		For >50 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.38*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.02	0.20
		For Up To 50, Add	*0.72*	
		For >50 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.44*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.36	0.20
		For Up To 50, Add	*0.62*	
		For >50 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.37*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.04	0.20
		For Up To 50, Add	*0.72*	
		For >50 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.44*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.17	0.20
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	2.45	0.31
		For Up To 50, Add	*0.64*	
		For >50 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.38*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	2.39	0.31
		For Up To 50, Add	*0.63*	
		For >50 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.37*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	2.79	0.31
		For Up To 50, Add	*0.69*	
		For >50 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.41*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	2.79	0.31
		For Up To 50, Add	*0.69*	
		For >50 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.41*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	7.79	0.36
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.62	0.20
		For Up To 50, Add	*0.66*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.21*	
		For Individual Room Quantities <495, Add	*0.40*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.61	0.20
		For Up To 50, Add	*0.66*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.21*	
		For Individual Room Quantities <495, Add	*0.40*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.21	0.20
		For Up To 50, Add	*0.75*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.86	0.20
		For Up To 50, Add	*0.70*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	2.81	0.20
		For Up To 50, Add	*0.69*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	2.81	0.20
		For Up To 50, Add	*0.69*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.23*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.00	0.20
		For Up To 50, Add	*0.72*	
		For >50 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.43*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.15	0.20
		For Up To 50, Add	*0.74*	
		For >50 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.45*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	3.36	0.20
		For Up To 50, Add	*0.77*	
		For >50 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.47*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	3.33	0.20
		For Up To 50, Add	*0.77*	
		For >50 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.47*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.21	0.31
		For Up To 50, Add	*0.75*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.21	0.31
		For Up To 50, Add	*0.75*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.54	0.20
		For Up To 50, Add	*0.80*	
		For >50 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.49*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	3.44	0.20
		For Up To 50, Add	*0.78*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.48*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.41	0.31
		For Up To 50, Add	*0.93*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.58*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.37	0.31
		For Up To 50, Add	*0.92*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.57*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.41	0.31
		For Up To 50, Add	*0.93*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.58*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	4.37	0.31
		For Up To 50, Add	*0.92*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.57*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	4.91	0.20
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	4.87	0.31
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	4.86	0.31
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.31	0.20
		For Up To 50, Add	*1.06*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.42*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	5.31	0.20
		For Up To 50, Add	*1.06*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.42*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.89	0.20
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.89	0.20
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.89	0.20
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.89	0.20
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.26	0.26
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.26	0.26
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.26	0.26
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	5.26	0.26
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	5.61	0.20
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	5.62	0.20
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	5.61	0.20
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.43	0.20
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.33	0.20
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	6.38	0.20
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	5.97	0.20
		For Up To 50, Add	*1.16*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	5.85	0.20
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	6.51	0.26
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.51*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	6.51	0.26
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.51*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	6.51	0.20
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.51*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	6.51	0.26
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.51*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.33*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	1.80	0.20
		For Individual Room Quantities <495, Add	*0.31*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	1.88	0.20
		For Individual Room Quantities <495, Add	*0.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	3.24	0.20
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.30*	
		For Ceilings >10' High, Add	*0.05*	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	5.61	0.31
		For Up To 50, Add	*1.07*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*2.32*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	5.61	0.31
		For Up To 50, Add	*1.07*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*2.33*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.25*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	11.04	0.31
		For Up To 50, Add	*1.89*	
		For >50 To 200, Add	*1.22*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.84*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*4.77*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.52*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	10.91	0.31
		For Up To 50, Add	*1.86*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.83*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*4.71*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.52*	
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	10.81	0.31
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.83*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*4.66*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.51*	
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	10.78	0.31
		For Up To 50, Add	*1.85*	
		For >50 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.57*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.82*	
		For Vertical Application, Add	*0.26*	
		For Ceilings >10' High, Add	*0.04*	
		For Single Angled Tegular Edge (Reveal), Add	*4.65*	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	*0.51*	

09 51 13 00-0095 Vinyl Faced, Gypsum Core Panels *(09 51 13)*

Note: National Gypsum Gold Bond Gridstone.

09 51 13 00-0096	SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	5.75	0.20
		For Up To 50, Add	*1.09*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.45*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.04*	
09 51 13 00-0097	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	5.58	0.20
		For Up To 50, Add	*1.07*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.43*	
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.04*	

09 51 13 00-0098 Wood Fiber Panels *(09 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0099	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.11	0.31
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0100	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.02	0.31
		For Up To 50, Add	*1.54*	
		For >50 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*0.97*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0101	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.31	0.31
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.87*	
		For Individual Room Quantities <495, Add	*1.32*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0102	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.22	0.31
		For Up To 50, Add	*2.02*	
		For >50 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.29*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0103	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.41	0.31
		For Up To 50, Add	*2.53*	
		For >50 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.77*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-1.10*	
		For Individual Room Quantities <495, Add	*1.63*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0104	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.32	0.31
		For Up To 50, Add	*2.48*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.76*	
		For >2,500 To 4,000, Deduct	*-0.36*	
		For >4,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-1.09*	
		For Individual Room Quantities <495, Add	*1.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.06*	
09 51 13 00-0105	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	9.99	0.31
		For Up To 50, Add	*1.87*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.77*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.07*	
09 51 13 00-0106	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	9.90	0.31
		For Up To 50, Add	*1.82*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.54*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.76*	
		For Individual Room Quantities <495, Add	*1.16*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.06*	

09 51 13 00-0107 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0108	SF	Removal And Reinstallation Of Acoustical Panels Only	1.05	
		For Up To 50, Add	*0.58*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.11*	
		For Ceilings >10' High, Add	*0.08*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	5.25	0.56
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.30*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.33*	
		For >2,500, Deduct	*-0.26*	
		For Ceilings >10' High, Add	*0.10*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	5.97	0.56
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.41*	
		For >50 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.36*	
		For >2,500, Deduct	*-0.30*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.10*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	6.99	0.56
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.56*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.41*	
		For >2,500, Deduct	*-0.35*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.10*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	4.16	0.56
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
		For >2,500, Deduct	*-0.21*	
		For Ceilings >10' High, Add	*0.10*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Acoustical Snap-In Metal Pan Ceilings *(09 51 33 13)*

09 51 33 13-0002 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0003	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	23.28	0.45
		For Up To 50, Add	*3.85*	
		For >50 To 200, Add	*2.51*	
		For >200 To 500, Add	*1.21*	
		For >2,500 To 4,000, Deduct	*-0.58*	
		For >4,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-1.77*	
		For Ceilings >10' High, Add	*0.07*	
09 51 33 13-0004	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.02	0.45
		For Up To 50, Add	*4.11*	
		For >50 To 200, Add	*2.68*	
		For >200 To 500, Add	*1.30*	
		For >2,500 To 4,000, Deduct	*-0.63*	
		For >4,000 To 5,000, Deduct	*-1.25*	
		For >5,000, Deduct	*-1.90*	
		For Ceilings >10' High, Add	*0.07*	

09 51 33 13-0005 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13-0001)*

09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.77	0.51
		For Up To 50, Add	*2.93*	
		For >50 To 200, Add	*1.88*	
		For >200 To 500, Add	*0.89*	
		For >2,500 To 4,000, Deduct	*-0.42*	
		For >4,000 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.28*	
		For Ceilings >10' High, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.64	0.51
		For Up To 50, Add	*4.86*	
		For >50 To 200, Add	*3.17*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.74*	
		For >4,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.62	0.51
		For Up To 50, Add	*9.36*	
		For >50 To 200, Add	*6.17*	
		For >200 To 500, Add	*3.03*	
		For >2,500 To 4,000, Deduct	*-1.49*	
		For >4,000 To 5,000, Deduct	*-2.98*	
		For >5,000, Deduct	*-4.50*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0009	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.08	0.51
		For Up To 50, Add	*4.32*	
		For >50 To 200, Add	*2.81*	
		For >200 To 500, Add	*1.36*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.98*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.80	0.51
		For Up To 50, Add	*3.08*	
		For >50 To 200, Add	*1.99*	
		For >200 To 500, Add	*0.94*	
		For >2,500 To 4,000, Deduct	*-0.45*	
		For >4,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.36*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.83	0.51
		For Up To 50, Add	*4.74*	
		For >50 To 200, Add	*3.09*	
		For >200 To 500, Add	*1.49*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.16	0.51
		For Up To 50, Add	*9.29*	
		For >50 To 200, Add	*6.12*	
		For >200 To 500, Add	*3.01*	
		For >2,500 To 4,000, Deduct	*-1.48*	
		For >4,000 To 5,000, Deduct	*-2.96*	
		For >5,000, Deduct	*-4.46*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0013	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.85	0.51
		For Up To 50, Add	*4.29*	
		For >50 To 200, Add	*2.79*	
		For >200 To 500, Add	*1.34*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.96*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.43	0.51
		For Up To 50, Add	*3.93*	
		For >50 To 200, Add	*2.55*	
		For >200 To 500, Add	*1.22*	
		For >2,500 To 4,000, Deduct	*-0.59*	
		For >4,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.78*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.36	0.51
		For Up To 50, Add	*5.12*	
		For >50 To 200, Add	*3.34*	
		For >200 To 500, Add	*1.62*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-2.38*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	65.94	0.51
		For Up To 50, Add	*10.30*	
		For >50 To 200, Add	*6.80*	
		For >200 To 500, Add	*3.35*	
		For >2,500 To 4,000, Deduct	*-1.65*	
		For >4,000 To 5,000, Deduct	*-3.30*	
		For >5,000, Deduct	*-4.97*	
		For Ceilings >10' High, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0017	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.02	0.51
		For Up To 50, Add	*5.07*	
		For >50 To 200, Add	*3.31*	
		For >200 To 500, Add	*1.60*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-2.35*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.93	0.51
		For Up To 50, Add	*4.15*	
		For >50 To 200, Add	*2.70*	
		For >200 To 500, Add	*1.30*	
		For >2,500 To 4,000, Deduct	*-0.62*	
		For >4,000 To 5,000, Deduct	*-1.25*	
		For >5,000, Deduct	*-1.90*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.16	0.51
		For Up To 50, Add	*5.24*	
		For >50 To 200, Add	*3.42*	
		For >200 To 500, Add	*1.66*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.44*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.24	0.51
		For Up To 50, Add	*10.65*	
		For >50 To 200, Add	*7.03*	
		For >200 To 500, Add	*3.46*	
		For >2,500 To 4,000, Deduct	*-1.71*	
		For >4,000 To 5,000, Deduct	*-3.41*	
		For >5,000, Deduct	*-5.14*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0021	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.82	0.51
		For Up To 50, Add	*5.19*	
		For >50 To 200, Add	*3.39*	
		For >200 To 500, Add	*1.64*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-2.41*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.02	0.51
		For Up To 50, Add	*3.57*	
		For >50 To 200, Add	*2.31*	
		For >200 To 500, Add	*1.10*	
		For >2,500 To 4,000, Deduct	*-0.53*	
		For >4,000 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-1.60*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.50	0.51
		For Up To 50, Add	*5.74*	
		For >50 To 200, Add	*3.76*	
		For >200 To 500, Add	*1.83*	
		For >2,500 To 4,000, Deduct	*-0.89*	
		For >4,000 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-2.69*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.45	0.51
		For Up To 50, Add	*10.08*	
		For >50 To 200, Add	*6.65*	
		For >200 To 500, Add	*3.27*	
		For >2,500 To 4,000, Deduct	*-1.61*	
		For >4,000 To 5,000, Deduct	*-3.22*	
		For >5,000, Deduct	*-4.86*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0025	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.21	0.51
		For Up To 50, Add	*4.94*	
		For >50 To 200, Add	*3.23*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.76*	
		For >4,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-2.29*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.74	0.51
		For Up To 50, Add	*3.82*	
		For >50 To 200, Add	*2.48*	
		For >200 To 500, Add	*1.19*	
		For >2,500 To 4,000, Deduct	*-0.57*	
		For >4,000 To 5,000, Deduct	*-1.14*	
		For >5,000, Deduct	*-1.73*	
		For Ceilings >10' High, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	35.96	0.51
		For Up To 50, Add	*5.81*	
		For >50 To 200, Add	*3.80*	
		For >200 To 500, Add	*1.85*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.72*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.86	0.51
		For Up To 50, Add	*10.44*	
		For >50 To 200, Add	*6.89*	
		For >200 To 500, Add	*3.39*	
		For >2,500 To 4,000, Deduct	*-1.67*	
		For >4,000 To 5,000, Deduct	*-3.34*	
		For >5,000, Deduct	*-5.04*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0029	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.25	0.51
		For Up To 50, Add	*5.10*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.61*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.29	0.51
		For Up To 50, Add	*2.86*	
		For >50 To 200, Add	*1.84*	
		For >200 To 500, Add	*0.87*	
		For >2,500 To 4,000, Deduct	*-0.41*	
		For >4,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.25*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.94	0.51
		For Up To 50, Add	*4.30*	
		For >50 To 200, Add	*2.80*	
		For >200 To 500, Add	*1.35*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.97*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	55.81	0.51
		For Up To 50, Add	*8.78*	
		For >50 To 200, Add	*5.79*	
		For >200 To 500, Add	*2.84*	
		For >2,500 To 4,000, Deduct	*-1.40*	
		For >4,000 To 5,000, Deduct	*-2.79*	
		For >5,000, Deduct	*-4.21*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0033	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.56	0.51
		For Up To 50, Add	*4.10*	
		For >50 To 200, Add	*2.66*	
		For >200 To 500, Add	*1.28*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.23*	
		For >5,000, Deduct	*-1.87*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.44	0.51
		For Up To 50, Add	*3.03*	
		For >50 To 200, Add	*1.95*	
		For >200 To 500, Add	*0.92*	
		For >2,500 To 4,000, Deduct	*-0.44*	
		For >4,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.33*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.71	0.51
		For Up To 50, Add	*4.27*	
		For >50 To 200, Add	*2.78*	
		For >200 To 500, Add	*1.34*	
		For >2,500 To 4,000, Deduct	*-0.64*	
		For >4,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.95*	
		For Ceilings >10' High, Add	*0.08*	
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	55.92	0.51
		For Up To 50, Add	*8.80*	
		For >50 To 200, Add	*5.80*	
		For >200 To 500, Add	*2.85*	
		For >2,500 To 4,000, Deduct	*-1.40*	
		For >4,000 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-4.22*	
		For Ceilings >10' High, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0037	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.56	0.51
		For Up To 50, Add	*4.10*	
		For >50 To 200, Add	*2.66*	
		For >200 To 500, Add	*1.28*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.23*	
		For >5,000, Deduct	*-1.87*	
		For Ceilings >10' High, Add	*0.08*	

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.01	0.39
		For Up To 50, Add	*3.01*	
		For >50 To 200, Add	*1.96*	
		For >200 To 500, Add	*0.94*	
		For >2,500 To 4,000, Deduct	*-0.45*	
		For >4,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.37*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.60	0.39
		For Up To 50, Add	*3.40*	
		For >50 To 200, Add	*2.22*	
		For >200 To 500, Add	*1.07*	
		For >2,500 To 4,000, Deduct	*-0.52*	
		For >4,000 To 5,000, Deduct	*-1.03*	
		For >5,000, Deduct	*-1.56*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	30.94	0.39
		For Up To 50, Add	*4.95*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.59*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-2.34*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.05	0.39
		For Up To 50, Add	*4.22*	
		For >50 To 200, Add	*2.76*	
		For >200 To 500, Add	*1.34*	
		For >2,500 To 4,000, Deduct	*-0.65*	
		For >4,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.97*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.07	0.39
		For Up To 50, Add	*4.52*	
		For >50 To 200, Add	*2.96*	
		For >200 To 500, Add	*1.44*	
		For >2,500 To 4,000, Deduct	*-0.70*	
		For >4,000 To 5,000, Deduct	*-1.40*	
		For >5,000, Deduct	*-2.12*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	45.01	0.39
		For Up To 50, Add	*7.06*	
		For >50 To 200, Add	*4.66*	
		For >200 To 500, Add	*2.29*	
		For >2,500 To 4,000, Deduct	*-1.13*	
		For >4,000 To 5,000, Deduct	*-2.25*	
		For >5,000, Deduct	*-3.40*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.62	0.39
		For Up To 50, Add	*4.46*	
		For >50 To 200, Add	*2.92*	
		For >200 To 500, Add	*1.42*	
		For >2,500 To 4,000, Deduct	*-0.69*	
		For >4,000 To 5,000, Deduct	*-1.38*	
		For >5,000, Deduct	*-2.09*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.60	0.39
		For Up To 50, Add	*5.50*	
		For >50 To 200, Add	*3.62*	
		For >200 To 500, Add	*1.77*	
		For >2,500 To 4,000, Deduct	*-0.87*	
		For >4,000 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-2.61*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.78	0.39
		For Up To 50, Add	*4.48*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.43*	
		For >2,500 To 4,000, Deduct	*-0.69*	
		For >4,000 To 5,000, Deduct	*-1.39*	
		For >5,000, Deduct	*-2.10*	
		For Ceilings >10' High, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.81	0.39
		For Up To 50, Add	*5.53*	
		For >50 To 200, Add	*3.64*	
		For >200 To 500, Add	*1.78*	
		For >2,500 To 4,000, Deduct	*-0.87*	
		For >4,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.63*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.92	0.39
		For Up To 50, Add	*4.50*	
		For >50 To 200, Add	*2.95*	
		For >200 To 500, Add	*1.44*	
		For >2,500 To 4,000, Deduct	*-0.70*	
		For >4,000 To 5,000, Deduct	*-1.40*	
		For >5,000, Deduct	*-2.11*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.67	0.39
		For Up To 50, Add	*5.51*	
		For >50 To 200, Add	*3.62*	
		For >200 To 500, Add	*1.77*	
		For >2,500 To 4,000, Deduct	*-0.87*	
		For >4,000 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-2.62*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.92	0.39
		For Up To 50, Add	*4.50*	
		For >50 To 200, Add	*2.95*	
		For >200 To 500, Add	*1.44*	
		For >2,500 To 4,000, Deduct	*-0.70*	
		For >4,000 To 5,000, Deduct	*-1.40*	
		For >5,000, Deduct	*-2.11*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.96	0.39
		For Up To 50, Add	*5.56*	
		For >50 To 200, Add	*3.65*	
		For >200 To 500, Add	*1.79*	
		For >2,500 To 4,000, Deduct	*-0.87*	
		For >4,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.64*	
		For Ceilings >10' High, Add	*0.06*	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	23.67	0.39
		For Up To 50, Add	*3.86*	
		For >50 To 200, Add	*2.52*	
		For >200 To 500, Add	*1.22*	
		For >2,500 To 4,000, Deduct	*-0.59*	
		For >4,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.79*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.49	0.39
		For Up To 50, Add	*4.59*	
		For >50 To 200, Add	*3.01*	
		For >200 To 500, Add	*1.46*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.16*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.67	0.39
		For Up To 50, Add	*4.91*	
		For >50 To 200, Add	*3.22*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.53*	
		For >5,000, Deduct	*-2.32*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.72	0.39
		For Up To 50, Add	*4.62*	
		For >50 To 200, Add	*3.03*	
		For >200 To 500, Add	*1.48*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.17*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.52	0.39
		For Up To 50, Add	*4.74*	
		For >50 To 200, Add	*3.11*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.74*	
		For >4,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.23*	
		For Ceilings >10' High, Add	*0.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.36	0.39
		For Up To 50, Add	*5.02*	
		For >50 To 200, Add	*3.29*	
		For >200 To 500, Add	*1.61*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.06*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.89	0.39
		For Up To 50, Add	*2.85*	
		For >50 To 200, Add	*1.85*	
		For >200 To 500, Add	*0.88*	
		For >2,500 To 4,000, Deduct	*-0.42*	
		For >4,000 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.29*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.18	0.39
		For Up To 50, Add	*3.19*	
		For >50 To 200, Add	*2.07*	
		For >200 To 500, Add	*1.00*	
		For >2,500 To 4,000, Deduct	*-0.48*	
		For >4,000 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.46*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.69	0.39
		For Up To 50, Add	*4.47*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.42*	
		For >2,500 To 4,000, Deduct	*-0.69*	
		For >4,000 To 5,000, Deduct	*-1.38*	
		For >5,000, Deduct	*-2.10*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.41	0.39
		For Up To 50, Add	*3.22*	
		For >50 To 200, Add	*2.10*	
		For >200 To 500, Add	*1.01*	
		For >2,500 To 4,000, Deduct	*-0.49*	
		For >4,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.48*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.17	0.39
		For Up To 50, Add	*3.64*	
		For >50 To 200, Add	*2.37*	
		For >200 To 500, Add	*1.15*	
		For >2,500 To 4,000, Deduct	*-0.55*	
		For >4,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.68*	
		For Ceilings >10' High, Add	*0.06*	
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.33	0.39
		For Up To 50, Add	*4.86*	
		For >50 To 200, Add	*3.19*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.76*	
		For >4,000 To 5,000, Deduct	*-1.52*	
		For >5,000, Deduct	*-2.29*	
		For Ceilings >10' High, Add	*0.06*	

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 13 Curved Profile Ceiling Suspension *(09 53)*

09 53 13 00-0001 Perimeter Trim *(09 53 13)*

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	25.02
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	30.51
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	34.17
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	46.13
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	59.31
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	67.00

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0001		**Ceiling Suspension System Assemblies** *(09 53 23)* Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly Note: Excludes ceiling tile.	3.43	0.26
		For Fastening To Concrete, Add	*0.67*	
		For Fastening To Steel, Add	*0.72*	
		For Vertical Application, Add	*0.97*	
		For Individual Room Quantities <495, Add	*0.28*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*0.96*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.18*	
		For Ceilings >10' High, Add	*0.08*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	2.72	0.26
		For UL Listed (Fire Guard), Add	*0.27*	
		For 1-1/2" Wide Faced Grid, Add	*0.50*	
		For Fastening To Concrete, Add	*0.65*	
		For Fastening To Steel, Add	*0.70*	
		For Vertical Application, Add	*0.82*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.23*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.80*	
		For Up To 50, Add	*0.78*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.14*	
		For Ceilings >10' High, Add	*0.07*	
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	2.16	0.26
		For UL Listed (Fire Guard), Add	*0.20*	
		For 1-1/2" Wide Faced Grid, Add	*0.36*	
		For Fastening To Concrete, Add	*0.65*	
		For Fastening To Steel, Add	*0.70*	
		For Vertical Application, Add	*0.75*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.19*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.59*	
		For Up To 50, Add	*0.67*	
		For >50 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.12*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.06*	
		For Concealed Spline Grid, Add	*0.41*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	1.78	0.26
		For UL Listed (Fire Guard), Add	*0.16*	
		For 1-1/2" Wide Faced Grid, Add	*0.29*	
		For Fastening To Concrete, Add	*0.63*	
		For Fastening To Steel, Add	*0.68*	
		For Vertical Application, Add	*0.73*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.16*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.47*	
		For Up To 50, Add	*0.56*	
		For >50 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.10*	
		For Black Grid, Add	*0.13*	
		For Ceilings >10' High, Add	*0.05*	
		For Concealed Spline Grid, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	1.58	0.26
		For UL Listed (Fire Guard), Add	*0.14*	
		For 1-1/2" Wide Faced Grid, Add	*0.27*	
		For Fastening To Concrete, Add	*0.62*	
		For Fastening To Steel, Add	*0.67*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.14*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.43*	
		For Up To 50, Add	*0.49*	
		For >50 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
		For >2,500 To 4,000, Deduct	*-0.03*	
		For >4,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.08*	
		For Ceilings >10' High, Add	*0.05*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	2.43	0.26
		For UL Listed (Fire Guard), Add	*0.24*	
		For Fastening To Concrete, Add	*0.65*	
		For Fastening To Steel, Add	*0.70*	
		For Vertical Application, Add	*0.75*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*0.71*	
		For >50 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Black Grid, Add	*0.20*	
		For Ceilings >10' High, Add	*0.06*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	1.99	0.26
		For UL Listed (Fire Guard), Add	*0.19*	
		For Fastening To Concrete, Add	*0.63*	
		For Fastening To Steel, Add	*0.68*	
		For Vertical Application, Add	*0.73*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*0.59*	
		For >50 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.05*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.06	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.17	0.73
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.16	0.78
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	5.01	0.83
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	0.48	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	0.66	
09 53 23 00-0016	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	4.44	0.15
09 53 23 00-0017	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	76.09	10.48
09 53 23 00-0018	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	79.42	10.67
09 53 23 00-0019	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	92.52	10.67

09 53 23 00-0020 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 53 23 00-0021	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	1.42	
		For Up To 50, Add	*0.78*	
		For >50 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
		For Ceilings >10' High, Add	*0.11*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 53 23 00-0022	SF	Removal And Reinstallation Of Grid System Assembly	0.62	
			Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.		
			For Up To 50, Add	*0.34*	
			For >50 To 200, Add	*0.19*	
			For >200 To 500, Add	*0.06*	
			For >2,500 To 4,000, Deduct	*-0.02*	
			For >4,000 To 5,000, Deduct	*-0.03*	
			For >5,000, Deduct	*-0.05*	
			For Ceilings >10' High, Add	*0.05*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001 Translucent Ceiling Panels *(09 54 16)*

	09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	2.96	0.26
			For Ceilings >10' High, Add	*0.04*	
			For >100 To 200, Deduct	*-0.17*	
			For >200 To 300, Deduct	*-0.39*	
			For >300, Deduct	*-0.65*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

	09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	20.61	1.16
			For Up To 50, Add	*4.20*	
			For >50 To 200, Add	*2.62*	
			For >200 To 500, Add	*1.17*	
			For >2,500, Deduct	*-1.03*	
			For Ceilings >10' High, Add	*0.21*	
			For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.43*	
			For Curved Ceilings, Add	*0.77*	
	09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	15.97	1.16
			For Up To 50, Add	*3.48*	
			For >50 To 200, Add	*2.14*	
			For >200 To 500, Add	*0.93*	
			For >2,500, Deduct	*-0.80*	
			For Ceilings >10' High, Add	*0.20*	
			For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.20*	
			For Curved Ceilings, Add	*0.76*	
	09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	14.23	1.16
			For Up To 50, Add	*3.20*	
			For >50 To 200, Add	*1.96*	
			For >200 To 500, Add	*0.84*	
			For >2,500, Deduct	*-0.71*	
			For Ceilings >10' High, Add	*0.20*	
			For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.46*	
			For Curved Ceilings, Add	*0.75*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

	09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	19.87	1.79
			For Up To 50, Add	*3.84*	
			For >50 To 200, Add	*2.42*	
			For >200 To 500, Add	*1.10*	
			For >2,500, Deduct	*-0.99*	
			For Ceilings >10' High, Add	*0.16*	
	09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	30.51	1.16
			For Up To 50, Add	*5.49*	
			For >50 To 200, Add	*3.51*	
			For >200 To 500, Add	*1.64*	
			For >2,500, Deduct	*-1.53*	
			For Ceilings >10' High, Add	*0.17*	
	09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	21.53	1.16
			For Up To 50, Add	*4.14*	
			For >50 To 200, Add	*2.61*	
			For >200 To 500, Add	*1.19*	
			For >2,500, Deduct	*-1.08*	
			For Ceilings >10' High, Add	*0.17*	
	09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	19.76	1.16
			For Up To 50, Add	*3.80*	
			For >50 To 200, Add	*2.40*	
			For >200 To 500, Add	*1.09*	
			For >2,500, Deduct	*-0.99*	
			For Ceilings >10' High, Add	*0.16*	
	09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	17.23	0.87
			For Up To 50, Add	*3.32*	
			For >50 To 200, Add	*2.09*	
			For >200 To 500, Add	*0.95*	
			For >2,500, Deduct	*-0.86*	
			For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	11.18	1.73
		For Ceilings >10' High, Add	*0.25*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	14.55	2.03
		For Ceilings >10' High, Add	*0.28*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	19.88	2.37
		For Ceilings >10' High, Add	*0.36*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	31.25	5.49
		For Ceilings >10' High, Add	*0.80*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	45.72	6.42
		For Ceilings >10' High, Add	*0.97*	

09 54 53 Fiberglass Reinforced Panel Ceilings *(09 54)*

09 54 53 00-0001 Fiberglass Reinforced Plastic Ceiling Panels *(09 54 53)*

09 54 53 00-0002	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A Note: Excludes suspension system.	7.02	0.26
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.54*	
		For Ceilings >10' High, Add	*0.04*	
09 54 53 00-0003	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A Note: Excludes suspension system.	9.64	0.26
		For Up To 50, Add	*1.68*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.74*	
		For Ceilings >10' High, Add	*0.04*	
09 54 53 00-0004	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C Note: Excludes suspension system.	4.19	0.26
		For Up To 50, Add	*0.86*	
		For >50 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.04*	

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001 High Impact Ceilings *(09 57 63)*

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	7.26	0.51
		For Ceilings >10' High, Add	*0.06*	
09 57 63 00-0003	EA	High Impact Clips	2.96	0.41
		For Ceilings >10' High, Add	*0.10*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*
Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	1.85	1.03
09 61 13 00-0003	LF	2" Anti-Slip Tape	2.58	1.13
09 61 13 00-0004	LF	3" Anti-Slip Tape	3.29	1.25
09 61 13 00-0005	LF	4" Anti-Slip Tape	3.93	1.37
09 61 13 00-0006	LF	6" Anti-Slip Tape	5.37	1.51
09 61 13 00-0007	LF	12" Anti-Slip Tape	9.94	2.26
09 61 13 00-0008	LF	24" Anti-Slip Tape	13.78	3.39

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	24.77	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	28.84	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	13.33	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	17.01	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	14.98	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	19.87	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	16.57	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	22.77	5.90
		For Basket Weave Pattern, Add	*1.26*	
		For Herringbone Pattern, Add	*1.68*	
		For Epoxy Joints, Add	*3.82*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	16.05	3.69

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.34	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.36	
09 64 13 00-0004	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.39	
09 64 13 00-0005	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.46	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.39	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.45	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.26	0.23
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.38	0.23
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.76	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.99	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.08	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.36	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.38	0.15

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	9.95	0.51
		For Up To 20, Add	*2.94*	
		For >20 To 50, Add	*1.64*	
		For >50 To 100, Add	*0.82*	
		For >100 To 300, Add	*0.41*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	12.42	0.51
		For Factory Finish, Add	*1.01*	
		For Random Width Floor, Add	*2.99*	
		For Up To 20, Add	*2.91*	
		For >20 To 50, Add	*1.71*	
		For >50 To 100, Add	*0.85*	
		For >100 To 300, Add	*0.43*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	8.30	0.51
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*1.92*	
		For Up To 20, Add	*2.61*	
		For >20 To 50, Add	*1.44*	
		For >50 To 100, Add	*0.72*	
		For >100 To 300, Add	*0.36*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.99	0.51
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*2.10*	
		For Up To 20, Add	*2.71*	
		For >20 To 50, Add	*1.51*	
		For >50 To 100, Add	*0.75*	
		For >100 To 300, Add	*0.38*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	10.02	0.51
		For Factory Finish, Add	*0.70*	
		For Random Width Floor, Add	*2.35*	
		For Up To 20, Add	*2.87*	
		For >20 To 50, Add	*1.61*	
		For >50 To 100, Add	*0.80*	
		For >100 To 300, Add	*0.40*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	7.82	0.51
		For Factory Finish, Add	*0.55*	
		For Random Width Floor, Add	*1.84*	
		For Up To 20, Add	*2.22*	
		For >20 To 50, Add	*1.25*	
		For >50 To 100, Add	*0.62*	
		For >100 To 300, Add	*0.31*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.37	0.51
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*1.98*	
		For Up To 20, Add	*2.30*	
		For >20 To 50, Add	*1.30*	
		For >50 To 100, Add	*0.65*	
		For >100 To 300, Add	*0.33*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	9.42	0.51
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*2.24*	
		For Up To 20, Add	*2.46*	
		For >20 To 50, Add	*1.41*	
		For >50 To 100, Add	*0.70*	
		For >100 To 300, Add	*0.35*	
09 64 29 00-0011		Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*		
09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	8.41	0.51
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*1.95*	
		For Up To 20, Add	*2.63*	
		For >20 To 50, Add	*1.45*	
		For >50 To 100, Add	*0.72*	
		For >100 To 300, Add	*0.36*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	9.10	0.51
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*2.12*	
		For Up To 20, Add	*2.73*	
		For >20 To 50, Add	*1.52*	
		For >50 To 100, Add	*0.76*	
		For >100 To 300, Add	*0.38*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.13	0.51
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*2.38*	
		For Up To 20, Add	*2.88*	
		For >20 To 50, Add	*1.62*	
		For >50 To 100, Add	*0.81*	
		For >100 To 300, Add	*0.40*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	7.93	0.51
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*1.87*	
		For Up To 20, Add	*2.23*	
		For >20 To 50, Add	*1.26*	
		For >50 To 100, Add	*0.63*	
		For >100 To 300, Add	*0.31*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	8.62	0.51
		For Factory Finish, Add	*0.63*	
		For Random Width Floor, Add	*2.04*	
		For Up To 20, Add	*2.34*	
		For >20 To 50, Add	*1.33*	
		For >50 To 100, Add	*0.66*	
		For >100 To 300, Add	*0.33*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.53	0.51
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*2.27*	
		For Up To 20, Add	*2.47*	
		For >20 To 50, Add	*1.42*	
		For >50 To 100, Add	*0.71*	
		For >100 To 300, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0018		Unfinished Maple, Wood Strip Flooring *(09 64 29)*		
09 64 29 00-0019		25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*		
09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.93	0.51
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*2.58*	
		For Up To 20, Add	*3.00*	
		For >20 To 50, Add	*1.70*	
		For >50 To 100, Add	*0.85*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.79	0.51
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.30*	
		For Up To 20, Add	*2.83*	
		For >20 To 50, Add	*1.59*	
		For >50 To 100, Add	*0.79*	
		For >100 To 300, Add	*0.40*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.68	0.51
		For Factory Finish, Add	*0.84*	
		For Random Width Floor, Add	*2.55*	
		For Up To 20, Add	*2.65*	
		For >20 To 50, Add	*1.53*	
		For >50 To 100, Add	*0.77*	
		For >100 To 300, Add	*0.38*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.53	0.51
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*2.27*	
		For Up To 20, Add	*2.47*	
		For >20 To 50, Add	*1.42*	
		For >50 To 100, Add	*0.71*	
		For >100 To 300, Add	*0.35*	
09 64 29 00-0024		33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*		
09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.40	0.51
		For Factory Finish, Add	*1.04*	
		For Random Width Floor, Add	*3.20*	
		For Up To 20, Add	*3.37*	
		For >20 To 50, Add	*1.95*	
		For >50 To 100, Add	*0.97*	
		For >100 To 300, Add	*0.49*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.87	0.51
		For Factory Finish, Add	*0.88*	
		For Random Width Floor, Add	*2.82*	
		For Up To 20, Add	*3.14*	
		For >20 To 50, Add	*1.79*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.31	0.51
		For Factory Finish, Add	*1.10*	
		For Random Width Floor, Add	*3.21*	
		For Up To 20, Add	*3.04*	
		For >20 To 50, Add	*1.80*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.78	0.51
		For Factory Finish, Add	*0.95*	
		For Random Width Floor, Add	*2.83*	
		For Up To 20, Add	*2.81*	
		For >20 To 50, Add	*1.64*	
		For >50 To 100, Add	*0.82*	
		For >100 To 300, Add	*0.41*	
09 64 29 00-0029		Prefinished Engineered Wood Flooring *(09 64 29)*		
		Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	14.01	0.51
		For Up To 20, Add	*3.01*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	14.01	0.51
		For Up To 20, Add	*3.01*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	14.01	0.51
		For Up To 20, Add	*3.01*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	14.42	0.51
		For Up To 20, Add	*3.07*	
		For >20 To 50, Add	*1.85*	
		For >50 To 100, Add	*0.92*	
		For >100 To 300, Add	*0.46*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	8.73	2.57
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	10.78	2.68
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	11.80	3.35
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	12.65	3.35
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	14.60	3.35
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	13.74	3.35
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	15.14	3.35
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.38	0.64
		For Up To 20, Add	*1.02*	
		For >20 To 40, Add	*0.59*	
		For >40 To 80, Add	*0.23*	
		For >240 To 960, Deduct	*-0.27*	
		For >960, Deduct	*-0.41*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.80	0.64
		For Up To 20, Add	*1.08*	
		For >20 To 40, Add	*0.64*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.32*	
		For >960, Deduct	*-0.47*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.17	0.64
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.67*	
		For >40 To 80, Add	*0.27*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.54	0.64
		For Up To 20, Add	*1.19*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.88	0.64
		For Up To 20, Add	*1.39*	
		For >20 To 40, Add	*0.84*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.52*	
		For >960, Deduct	*-0.79*	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.89	0.64
		For Up To 20, Add	*1.10*	
		For >20 To 40, Add	*0.65*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.33*	
		For >960, Deduct	*-0.49*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.41	0.64
		For Up To 20, Add	*1.17*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.57*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.49	0.64
		For Up To 20, Add	*1.19*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.58*	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.89	0.64
		For Up To 20, Add	*1.25*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.64*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.13	0.64
		For Up To 20, Add	*1.43*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.55*	
		For >960, Deduct	*-0.82*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.46	0.64
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.10*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.96	0.64
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.15*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.83*	
		For >960, Deduct	*-1.25*	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.52	0.64
		For Up To 20, Add	*2.09*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.59*	
		For >240 To 960, Deduct	*-0.99*	
		For >960, Deduct	*-1.48*	
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.56	0.64
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.64*	
		For >240 To 960, Deduct	*-1.09*	
		For >960, Deduct	*-1.64*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	16.71	0.64
		For Up To 20, Add	*3.02*	
		For >20 To 40, Add	*1.93*	
		For >40 To 80, Add	*0.90*	
		For >240 To 960, Deduct	*-1.61*	
		For >960, Deduct	*-2.41*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.55	0.77
		For Up To 20, Add	*1.19*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.20	0.77
		For Up To 20, Add	*1.29*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.32*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.68*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.57	0.64
		For Up To 20, Add	*1.20*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.98	0.64
		For Up To 20, Add	*1.26*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.31*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.23	0.77
		For Up To 20, Add	*1.70*	
		For >20 To 40, Add	*1.03*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.65*	
		For >960, Deduct	*-0.97*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.96	1.03
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.88	1.10
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.18	1.18
		Note: Raised disc or other pattern.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.07	1.03
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.56	1.10
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.88	1.18
		Note: Smooth surface.		
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	7.04	0.61

09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*

09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats	25.19	0.95
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats	30.49	1.03
		Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats	33.01	1.15
		Note: Smooth, raised disc or other patterned surface.		

09 65 13 23-0016 Vinyl Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0017 Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*

09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	16.07	0.94
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	17.80	1.03
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	21.88	1.11
		For Abrasive Strip, Add	*2.75*	

09 65 13 23-0021 Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	8.62	0.61

09 65 13 33 Resilient Accessories *(09 65 13)*

09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*

09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.26	0.51
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.10	0.51

09 65 13 33-0004 Concrete Floor Prep *(09 65 13 33)*

09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	0.64	

09 65 13 36 Resilient Carpet Transitions *(09 65 13)*

09 65 13 36-0001 Vinyl Transition Strip *(09 65 13 36)*

09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	2.06	0.46
		For Up To 20, Add	*0.57*	
		For >20 To 40, Add	*0.33*	
		For >40 To 80, Add	*0.14*	
		For >240 To 960, Deduct	*-0.17*	
		For >960, Deduct	*-0.26*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.76	0.46
		For Up To 20, Add	*0.52*	
		For >20 To 40, Add	*0.30*	
		For >40 To 80, Add	*0.12*	
		For >240 To 960, Deduct	*-0.14*	
		For >960, Deduct	*-0.22*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.40	0.46
		For Up To 20, Add	*0.47*	
		For >20 To 40, Add	*0.27*	
		For >40 To 80, Add	*0.10*	
		For >240 To 960, Deduct	*-0.11*	
		For >960, Deduct	*-0.16*	

09 65 13 36-0005 Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*

09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.14	0.64
		For Up To 20, Add	*0.88*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.39*	
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.14	0.64
		For Up To 20, Add	*0.88*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.39*	
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	4.08	0.64
		For Up To 20, Add	*1.02*	
		For >20 To 40, Add	*0.61*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.36*	
		For >960, Deduct	*-0.53*	
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	7.42	0.64
		For Up To 20, Add	*1.53*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.69*	
		For >960, Deduct	*-1.04*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	7.44	0.64
		For Up To 20, Add	*1.53*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.69*	
		For >960, Deduct	*-1.04*	
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	4.58	0.64
		For Up To 20, Add	*1.10*	
		For >20 To 40, Add	*0.66*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.41*	
		For >960, Deduct	*-0.61*	
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	7.20	0.64
		For Up To 20, Add	*1.49*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.41*	
		For >240 To 960, Deduct	*-0.67*	
		For >960, Deduct	*-1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	7.50	0.64
		For Up To 20, Add	*1.54*	
		For >20 To 40, Add	*0.96*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	6.16	0.64
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.56*	
		For >960, Deduct	*-0.85*	
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	6.82	0.64
		For Up To 20, Add	*1.44*	
		For >20 To 40, Add	*0.89*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.95*	
09 65 13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	7.50	0.64
		For Up To 20, Add	*1.54*	
		For >20 To 40, Add	*0.96*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	6.03	0.64
		For Up To 20, Add	*1.32*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.55*	
		For >960, Deduct	*-0.83*	
09 65 13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	4.94	0.64
		For Up To 20, Add	*1.15*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	7.74	0.64
		For Up To 20, Add	*1.57*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.72*	
		For >960, Deduct	*-1.08*	
09 65 13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	10.26	0.64
		For Up To 20, Add	*1.95*	
		For >20 To 40, Add	*1.23*	
		For >40 To 80, Add	*0.56*	
		For >240 To 960, Deduct	*-0.97*	
		For >960, Deduct	*-1.46*	
09 65 13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	4.77	0.64
		For Up To 20, Add	*1.13*	
		For >20 To 40, Add	*0.68*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.64*	
09 65 13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	4.85	0.64
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.69*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	5.64	0.64
		For Up To 20, Add	*1.26*	
		For >20 To 40, Add	*0.77*	
		For >40 To 80, Add	*0.33*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.77*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.12	0.39
		For Up To 40, Add	*3.24*	
		For >40 To 100, Add	*1.62*	
		For >1,000, Deduct	*-1.03*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	8.93	0.39
		For Up To 40, Add	*2.80*	
		For >40 To 100, Add	*1.40*	
		For >1,000, Deduct	*-0.82*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	5.53	0.39
		For Up To 40, Add	*2.12*	
		For >40 To 100, Add	*1.06*	
		For >1,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	7.54	0.39
		For Up To 40, Add	*2.52*	
		For >40 To 100, Add	*1.26*	
		For >1,000, Deduct	*-0.68*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	10.24	0.39
		For Up To 40, Add	*3.06*	
		For >40 To 100, Add	*1.53*	
		For >1,000, Deduct	*-0.95*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	14.48	0.39
		For Up To 40, Add	*3.91*	
		For >40 To 100, Add	*1.96*	
		For >1,000, Deduct	*-1.37*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	3.93
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	4.40

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	8.54

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	3.68
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	3.17
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	5.28
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.12

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	3.51	0.77
		For 3/32" Thick, Deduct	*-0.26*	
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.17*	
		For >6,000, Deduct	*-0.30*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	3.35	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.17*	
		For >6,000, Deduct	*-0.29*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	3.35	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.17*	
		For >6,000, Deduct	*-0.29*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	5.56	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.42*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	5.58	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.42*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	6.00	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.27*	
		For >6,000, Deduct	*-0.45*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	6.07	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.45*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	6.34	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	8.75	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.61*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	9.70	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.20*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.67*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	18.06	0.77
		For Extra Stock, Material Only, Deduct	*-1.52*	
		For >1,000 To 3,000, Deduct	*-0.37*	
		For >3,000 To 6,000, Deduct	*-0.78*	
		For >6,000, Deduct	*-1.23*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	13.39	0.77
		For Extra Stock, Material Only, Deduct	*-1.52*	
		For Up To 20, Add	*2.65*	
		For >20 To 40, Add	*1.66*	
		For >40 To 80, Add	*0.75*	
		For >1,000 To 3,000, Deduct	*-0.28*	
		For >3,000 To 6,000, Deduct	*-0.59*	
		For >6,000, Deduct	*-0.95*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	4.92	0.77
		For Up To 20, Add	*1.26*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.31*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.41*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	5.21	0.77
		For Up To 20, Add	*1.31*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.33*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.25*	
		For >6,000, Deduct	*-0.43*	
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	5.31	0.77
		For Up To 20, Add	*1.32*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.33*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.44*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	5.47	1.03
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.45*	
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	5.69	1.03
		For Up To 20, Add	*1.38*	
		For >20 To 40, Add	*0.83*	
		For >40 To 80, Add	*0.35*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.27*	
		For >6,000, Deduct	*-0.46*	
09 65 19 23-0009	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	5.27	1.03
		For Up To 20, Add	*1.31*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.33*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.43*	
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	5.68	1.03
		For Up To 20, Add	*1.38*	
		For >20 To 40, Add	*0.83*	
		For >40 To 80, Add	*0.35*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.27*	
		For >6,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	4.45	0.77
		For Up To 20, Add	*1.19*	
		For >20 To 40, Add	*0.71*	
		For >40 To 80, Add	*0.29*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.38*	
09 65 19 23-0012	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	6.36	0.77
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.50*	
09 65 19 23-0013	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	5.43	1.03
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.44*	
09 65 19 23-0014	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	6.37	1.03
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.50*	
09 65 19 23-0015	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	5.43	1.03
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.44*	
09 65 19 23-0016	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	6.37	1.03
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.38*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.50*	
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	6.53	1.03
		For Up To 20, Add	*1.50*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.51*	
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	6.43	1.03
		For Up To 20, Add	*1.49*	
		For >20 To 40, Add	*0.91*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.50*	
09 65 19 23-0019	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	7.23	1.03
		For Up To 20, Add	*1.61*	
		For >20 To 40, Add	*0.99*	
		For >40 To 80, Add	*0.43*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.34*	
		For >6,000, Deduct	*-0.55*	
09 65 19 23-0020	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	6.48	1.03
		For Up To 20, Add	*1.50*	
		For >20 To 40, Add	*0.91*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.51*	
09 65 19 23-0021	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	5.29	1.03
		For Up To 20, Add	*1.32*	
		For >20 To 40, Add	*0.79*	
		For >40 To 80, Add	*0.33*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.44*	
09 65 19 23-0022	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	4.80	1.03
		For Up To 20, Add	*1.24*	
		For >20 To 40, Add	*0.74*	
		For >40 To 80, Add	*0.31*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0023	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	5.73	0.77
		For Up To 20, Add	*1.38*	
		For >20 To 40, Add	*0.84*	
		For >40 To 80, Add	*0.35*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.46*	
09 65 19 23-0024	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	4.99	0.77
		For Up To 20, Add	*1.27*	
		For >20 To 40, Add	*0.76*	
		For >40 To 80, Add	*0.32*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.25*	
		For >6,000, Deduct	*-0.42*	
09 65 19 23-0025	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	4.39	0.77
		For Up To 20, Add	*1.18*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.29*	
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.38*	
09 65 19 23-0026	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	6.17	0.77
		For Up To 20, Add	*1.45*	
		For >20 To 40, Add	*0.88*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.49*	
09 65 19 23-0027	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	4.39	0.77
		For Up To 20, Add	*1.18*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.29*	
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.38*	
09 65 19 23-0028	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	6.17	0.77
		For Up To 20, Add	*1.45*	
		For >20 To 40, Add	*0.88*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.29*	
		For >6,000, Deduct	*-0.49*	
09 65 19 23-0029	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	5.43	0.77
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.81*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.44*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	23.42	0.46
		For Up To 20, Add	*3.89*	
		For >20 To 40, Add	*2.53*	
		For >40 To 100, Add	*1.22*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	28.55	0.51
		For Up To 20, Add	*4.69*	
		For >20 To 40, Add	*3.06*	
		For >40 To 100, Add	*1.48*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	31.60	0.61
		For Up To 20, Add	*5.23*	
		For >20 To 40, Add	*3.41*	
		For >40 To 100, Add	*1.64*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	9.27	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.64*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	6.62	0.77
		For Extra Stock, Material Only, Deduct	*-0.90*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 43		**Linoleum Flooring** *(09 65)*		
		Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001		Linoleum Flooring *(09 65 43)*		
09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	6.24	0.77
		For Up To 20, Add	*1.46*	
		For >20 To 40, Add	*0.89*	
		For >40 To 100, Add	*0.38*	
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	4.89	0.39
		For Up To 20, Add	*1.05*	
		For >20 To 40, Add	*0.65*	
		For >40 To 100, Add	*0.28*	
		For 3.2mm Thickness, Add	*0.82*	
		For 2mm Thickness, Deduct	*-0.39*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams	3.94	
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66		**Resilient Athletic Flooring** *(09 65)*		
09 65 66 00-0001		Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*		
09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	7.56	0.36
		For Colors, Add	*1.41*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	8.74	0.45
		For Colors, Add	*1.62*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	9.84	0.71
		For Colors, Add	*1.76*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	14.56	0.87
		For Colors, Add	*2.66*	
09 65 66 00-0006		Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*		
09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	42.75	0.36
		For Colors, Add	*5.28*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	62.12	0.36
		For Colors, Add	*7.70*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	45.19	0.36
		For Colors, Add	*5.59*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	55.75	0.36
		For Colors, Add	*6.91*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	46.49	0.36
		For Colors, Add	*5.75*	
09 65 66 00-0012		Sheet Goods For Gym *(09 65 66)*		
09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	19.88	1.54
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	21.06	1.59
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.18	1.64
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	3.64	1.25
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	4.04	1.43
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	4.77	1.54
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	5.28	1.64
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	5.61	1.74
09 65 66 00-0021		Polyurethane Floor Systems *(09 65 66)*		
09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	20.84	1.03
09 66		**Terrazzo Flooring** *(09 60)*		
09 66 13		**Portland Cement Terrazzo Flooring** *(09 66)*		
		Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
09 66 13 13		**Sand Cushion Terrazzo Flooring** *(09 66 13)*		
09 66 13 13-0001		Floors Not Bonded To Concrete *(09 66 13 13)*		
		Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	24.05	1.72
		For Venetian Type Terrazzo, Add	*7.42*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.42*	
		For Colors, Add	*3.71*	
		For Up To 100, Add	*5.17*	
		For >100 To 250, Add	*2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	24.19	1.72
		For Venetian Type Terrazzo, Add	*7.49*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.49*	
		For Colors, Add	*3.75*	
		For Up To 100, Add	*5.18*	
		For >100 To 250, Add	*2.59*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	14.15	1.72
		For Venetian Type Terrazzo, Add	*5.40*	
		For Abrasive Heavy-Duty Terrazzo, Add	*5.40*	
		For Colors, Add	*2.70*	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.21*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	19.33	1.72
		For Venetian Type Terrazzo, Add	*6.13*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.13*	
		For Colors, Add	*3.06*	
		For Up To 100, Add	*4.06*	
		For >100 To 250, Add	*2.03*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	19.47	1.72
		For Venetian Type Terrazzo, Add	*6.20*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.20*	
		For Colors, Add	*3.10*	
		For Up To 100, Add	*4.07*	
		For >100 To 250, Add	*2.04*	

09 66 13 19-0004 Terrazzo Wainscot *(09 66 13 19)*

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	23.25	2.30
		For Venetian Type Terrazzo, Add	*3.96*	

09 66 13 19-0006 Terrazzo Base *(09 66 13 19)*

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	27.55	1.85
		For Venetian Type Terrazzo, Add	*8.65*	

09 66 13 19-0008 Terrazzo Curb *(09 66 13 19)*

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	64.10	12.31
		For Venetian Type Terrazzo, Add	*11.53*	

09 66 13 19-0010 Stairs Cast In Place *(09 66 13 19)*

Note: Topping applied to concrete or metal.

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	23.21	3.45
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	55.95	11.50
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	23.65	3.45
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	

09 66 13 19-0014 Divider Strips *(09 66 13 19)*

09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	5.52	0.57
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	5.50	0.57
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	8.91	0.57
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	13.99	0.57
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	5.13	0.57
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	8.32	0.57
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	5.21	0.57

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 13 Portland Cement Terrazzo Floor Tile *(09 66 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0001		**Flooring Tiles** *(09 66 16 13)* Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		**Terrazzo Tiles With Non-Slip Surface** *(09 66 16 13-0001)*		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	22.79	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	23.57	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	27.49	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	29.84	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	31.71	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0008		**Terrazzo Tile Thin Set** *(09 66 16 13-0001)*		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	22.76	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	24.45	1.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0011		**Thin Set Terrazzo Wainscot** *(09 66 16 13-0001)*		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	33.26	3.70
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	37.76	3.70
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014		**Thin Set Terrazzo Base, Gray Cement** *(09 66 16 13-0001)*		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	11.40	1.85
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	12.97	1.85
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	13.43	1.85
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	14.21	1.85
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019		**Terrazzo Curbs** *(09 66 16 13-0001)*		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	21.55	2.46
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	20.76	2.46
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		**Precast Terrazzo Stair Treads 12" Wide** *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	59.95	2.46
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	50.55	2.46
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	44.28	2.46
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	52.11	2.46
09 66 16 13-0027		**Stair Risers, 1" Thick To 6" High, Straight** *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	26.49	1.85
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	31.20	1.85
09 66 16 13-0030		**Stair Risers, 1" Thick To 6" High, Curved** *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	39.83	1.85
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	42.97	1.85
09 66 16 13-0033		**Tread And Riser** *(09 66 16 13)*		
09 66 16 13-0034		**Stair Stringers, Notched For Treads And Risers** *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	65.84	4.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	79.74	4.93
09 66 16 13-0037		**Structural Non-Slip Landings** *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	47.76	2.46
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	59.34	2.46
09 66 16 13-0040		**Combined Tread And Riser** *(09 66 16 13-0033)*		
09 66 16 13-0041		**Straight Sections** *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	106.69	4.93
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	128.63	4.93
09 66 16 13-0044		**Curved Sections** *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	134.90	4.93
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	172.51	4.93
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		**Epoxy Terrazzo** *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	18.90	1.72
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	20.85	3.08
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	38.78	3.08
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	15.80	3.08
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	28.19	3.08
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	17.56	3.08
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	34.70	3.08
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	26.18	3.08
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	29.35	3.08
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		**Epoxy Marble Chip Flooring** *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	14.28	1.72
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	15.57	1.72
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		**Epoxy Resinous Flooring** *(09 67 23)*		
		Note: Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polishing passes, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002	SF	Heavy-Duty Epoxy Resinous Chemical Resistant Industrial Flooring	16.94	4.88
		For Up To 250, Add	*1.61*	
		For >1,000 To 2,500, Deduct	*-1.46*	
		For >2,500, Deduct	*-2.08*	
09 67 23 00-0003		**Epoxy Resin Flooring** *(09 67 23)*		
		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0004	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	11.08	3.91
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*2.31*	
		For >500 To 1,000, Add	*1.43*	
		For >1,000 To 2,000, Add	*0.72*	
		For >10,000, Deduct	*-0.67*	
09 67 23 00-0005	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	18.90	3.91
		For Skid Resistant Abrasive Sand Finish, Add	*0.14*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.14*	
		For Up To 500, Add	*4.27*	
		For >500 To 1,000, Add	*2.61*	
		For >1,000 To 2,000, Add	*1.30*	
		For >10,000, Deduct	*-1.06*	
09 67 23 00-0006	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	12.95	4.37
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*2.66*	
		For >500 To 1,000, Add	*1.66*	
		For >1,000 To 2,000, Add	*0.83*	
		For >10,000, Deduct	*-0.79*	
09 67 23 00-0007	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	21.91	4.37
		For Skid Resistant Abrasive Sand Finish, Add	*0.16*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.16*	
		For Up To 500, Add	*4.90*	
		For >500 To 1,000, Add	*3.00*	
		For >1,000 To 2,000, Add	*1.50*	
		For >10,000, Deduct	*-1.24*	
09 67 23 00-0008	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	14.74	4.88
		For Skid Resistant Abrasive Sand Finish, Add	*0.08*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.08*	
		For Up To 500, Add	*3.05*	
		For >500 To 1,000, Add	*1.89*	
		For >1,000 To 2,000, Add	*0.95*	
		For >10,000, Deduct	*-0.90*	
09 67 23 00-0009	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	24.24	4.88
		For Skid Resistant Abrasive Sand Finish, Add	*0.18*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.18*	
		For Up To 500, Add	*5.42*	
		For >500 To 1,000, Add	*3.32*	
		For >1,000 To 2,000, Add	*1.66*	
		For >10,000, Deduct	*-1.37*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003	SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	36.32	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.86*	
		For >600 To 900, Deduct	*-1.55*	
		For >900 To 1,500, Deduct	*-2.24*	
		For >1,500 To 2,200, Deduct	*-3.25*	
		For >2,200 To 3,500, Deduct	*-4.16*	
		For >3,500, Deduct	*-5.07*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	38.07	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.92*	
		For >600 To 900, Deduct	*-1.64*	
		For >900 To 1,500, Deduct	*-2.36*	
		For >1,500 To 2,200, Deduct	*-3.43*	
		For >2,200 To 3,500, Deduct	*-4.38*	
		For >3,500, Deduct	*-5.33*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	43.60	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-1.92*	
		For >900 To 1,500, Deduct	*-2.75*	
		For >1,500 To 2,200, Deduct	*-3.98*	
		For >2,200 To 3,500, Deduct	*-5.07*	
		For >3,500, Deduct	*-6.16*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	49.00	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.13*	
		For >1,500 To 2,200, Deduct	*-4.52*	
		For >2,200 To 3,500, Deduct	*-5.75*	
		For >3,500, Deduct	*-6.97*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	52.15	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.34*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.35*	
		For >1,500 To 2,200, Deduct	*-4.84*	
		For >2,200 To 3,500, Deduct	*-6.14*	
		For >3,500, Deduct	*-7.44*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	55.39	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.50*	
		For >900 To 1,500, Deduct	*-3.57*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.55*	
		For >3,500, Deduct	*-7.93*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	56.34	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.55*	
		For >900 To 1,500, Deduct	*-3.64*	
		For >1,500 To 2,200, Deduct	*-5.26*	
		For >2,200 To 3,500, Deduct	*-6.66*	
		For >3,500, Deduct	*-8.07*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	56.95	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.58*	
		For >900 To 1,500, Deduct	*-3.68*	
		For >1,500 To 2,200, Deduct	*-5.32*	
		For >2,200 To 3,500, Deduct	*-6.74*	
		For >3,500, Deduct	*-8.16*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	57.45	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.61*	
		For >900 To 1,500, Deduct	*-3.72*	
		For >1,500 To 2,200, Deduct	*-5.37*	
		For >2,200 To 3,500, Deduct	*-6.80*	
		For >3,500, Deduct	*-8.24*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	59.17	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.69*	
		For >900 To 1,500, Deduct	*-3.84*	
		For >1,500 To 2,200, Deduct	*-5.54*	
		For >2,200 To 3,500, Deduct	*-7.02*	
		For >3,500, Deduct	*-8.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	62.59	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-2.86*	
		For >900 To 1,500, Deduct	*-4.08*	
		For >1,500 To 2,200, Deduct	*-5.88*	
		For >2,200 To 3,500, Deduct	*-7.45*	
		For >3,500, Deduct	*-9.01*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	66.26	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.76*	
		For >600 To 900, Deduct	*-3.05*	
		For >900 To 1,500, Deduct	*-4.34*	
		For >1,500 To 2,200, Deduct	*-6.25*	
		For >2,200 To 3,500, Deduct	*-7.90*	
		For >3,500, Deduct	*-9.56*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	73.29	3.09
		For Up To 15, Add	*1.51*	
		For >15 To 33, Add	*0.76*	
		For >200 To 400, Deduct	*-1.31*	
		For >400 To 600, Deduct	*-1.97*	
		For >600 To 900, Deduct	*-3.40*	
		For >900 To 1,500, Deduct	*-4.83*	
		For >1,500 To 2,200, Deduct	*-6.95*	
		For >2,200 To 3,500, Deduct	*-8.78*	
		For >3,500, Deduct	*-10.62*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	7.78	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	36.58	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.57*	
		For >400 To 600, Deduct	*-0.85*	
		For >600 To 900, Deduct	*-1.54*	
		For >900 To 1,500, Deduct	*-2.23*	
		For >1,500 To 2,200, Deduct	*-3.24*	
		For >2,200 To 3,500, Deduct	*-4.16*	
		For >3,500, Deduct	*-5.07*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	37.08	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.86*	
		For >600 To 900, Deduct	*-1.56*	
		For >900 To 1,500, Deduct	*-2.26*	
		For >1,500 To 2,200, Deduct	*-3.29*	
		For >2,200 To 3,500, Deduct	*-4.22*	
		For >3,500, Deduct	*-5.15*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	39.29	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.62*	
		For >400 To 600, Deduct	*-0.93*	
		For >600 To 900, Deduct	*-1.67*	
		For >900 To 1,500, Deduct	*-2.42*	
		For >1,500 To 2,200, Deduct	*-3.51*	
		For >2,200 To 3,500, Deduct	*-4.49*	
		For >3,500, Deduct	*-5.48*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	44.90	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.81*	
		For >1,500 To 2,200, Deduct	*-4.07*	
		For >2,200 To 3,500, Deduct	*-5.20*	
		For >3,500, Deduct	*-6.32*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	50.38	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.23*	
		For >900 To 1,500, Deduct	*-3.19*	
		For >1,500 To 2,200, Deduct	*-4.62*	
		For >2,200 To 3,500, Deduct	*-5.88*	
		For >3,500, Deduct	*-7.14*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	53.58	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.36*	
		For >600 To 900, Deduct	*-2.39*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-4.94*	
		For >2,200 To 3,500, Deduct	*-6.28*	
		For >3,500, Deduct	*-7.62*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	56.86	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.55*	
		For >900 To 1,500, Deduct	*-3.65*	
		For >1,500 To 2,200, Deduct	*-5.27*	
		For >2,200 To 3,500, Deduct	*-6.69*	
		For >3,500, Deduct	*-8.11*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	57.83	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.60*	
		For >900 To 1,500, Deduct	*-3.71*	
		For >1,500 To 2,200, Deduct	*-5.37*	
		For >2,200 To 3,500, Deduct	*-6.81*	
		For >3,500, Deduct	*-8.26*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	58.45	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.63*	
		For >900 To 1,500, Deduct	*-3.76*	
		For >1,500 To 2,200, Deduct	*-5.43*	
		For >2,200 To 3,500, Deduct	*-6.89*	
		For >3,500, Deduct	*-8.35*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	58.96	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.66*	
		For >900 To 1,500, Deduct	*-3.79*	
		For >1,500 To 2,200, Deduct	*-5.48*	
		For >2,200 To 3,500, Deduct	*-6.95*	
		For >3,500, Deduct	*-8.43*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	60.71	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.57*	
		For >600 To 900, Deduct	*-2.74*	
		For >900 To 1,500, Deduct	*-3.92*	
		For >1,500 To 2,200, Deduct	*-5.65*	
		For >2,200 To 3,500, Deduct	*-7.17*	
		For >3,500, Deduct	*-8.69*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	64.17	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.12*	
		For >400 To 600, Deduct	*-1.68*	
		For >600 To 900, Deduct	*-2.92*	
		For >900 To 1,500, Deduct	*-4.16*	
		For >1,500 To 2,200, Deduct	*-6.00*	
		For >2,200 To 3,500, Deduct	*-7.60*	
		For >3,500, Deduct	*-9.21*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	67.90	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.19*	
		For >400 To 600, Deduct	*-1.79*	
		For >600 To 900, Deduct	*-3.10*	
		For >900 To 1,500, Deduct	*-4.42*	
		For >1,500 To 2,200, Deduct	*-6.37*	
		For >2,200 To 3,500, Deduct	*-8.07*	
		For >3,500, Deduct	*-9.77*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	75.04	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.33*	
		For >400 To 600, Deduct	*-2.00*	
		For >600 To 900, Deduct	*-3.46*	
		For >900 To 1,500, Deduct	*-4.92*	
		For >1,500 To 2,200, Deduct	*-7.09*	
		For >2,200 To 3,500, Deduct	*-8.96*	
		For >3,500, Deduct	*-10.84*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	8.88	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	91.73	3.09
		For Up To 15, Add	*1.67*	
		For >15 To 33, Add	*0.83*	
		For >200 To 400, Deduct	*-1.67*	
		For >400 To 600, Deduct	*-2.50*	
		For >600 To 900, Deduct	*-4.29*	
		For >900 To 1,500, Deduct	*-6.09*	
		For >1,500 To 2,200, Deduct	*-8.76*	
		For >2,200 To 3,500, Deduct	*-11.05*	
		For >3,500, Deduct	*-13.34*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	16.74	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.44*	
		For >600 To 900, Deduct	*-0.76*	
		For >900 To 1,500, Deduct	*-1.09*	
		For >1,500 To 2,200, Deduct	*-1.57*	
		For >2,200 To 3,500, Deduct	*-1.99*	
		For >3,500, Deduct	*-2.40*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	17.59	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.46*	
		For >600 To 900, Deduct	*-0.80*	
		For >900 To 1,500, Deduct	*-1.15*	
		For >1,500 To 2,200, Deduct	*-1.65*	
		For >2,200 To 3,500, Deduct	*-2.09*	
		For >3,500, Deduct	*-2.53*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.28	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.56*	
		For >1,500 To 2,200, Deduct	*-0.82*	
		For >2,200 To 3,500, Deduct	*-1.05*	
		For >3,500, Deduct	*-1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.87	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.60*	
		For >1,500 To 2,200, Deduct	*-0.88*	
		For >2,200 To 3,500, Deduct	*-1.13*	
		For >3,500, Deduct	*-1.37*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	7.10	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.28*	
		For >900 To 1,500, Deduct	*-0.41*	
		For >1,500 To 2,200, Deduct	*-0.60*	
		For >2,200 To 3,500, Deduct	*-0.78*	
		For >3,500, Deduct	*-0.96*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.48	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.84*	
		For >2,200 To 3,500, Deduct	*-1.08*	
		For >3,500, Deduct	*-1.31*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.48	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.84*	
		For >2,200 To 3,500, Deduct	*-1.08*	
		For >3,500, Deduct	*-1.31*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.48	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.40*	
		For >900 To 1,500, Deduct	*-0.58*	
		For >1,500 To 2,200, Deduct	*-0.84*	
		For >2,200 To 3,500, Deduct	*-1.08*	
		For >3,500, Deduct	*-1.31*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	10.88	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.47*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-0.98*	
		For >2,200 To 3,500, Deduct	*-1.25*	
		For >3,500, Deduct	*-1.52*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.34	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.57*	
		For >1,500 To 2,200, Deduct	*-0.83*	
		For >2,200 To 3,500, Deduct	*-1.06*	
		For >3,500, Deduct	*-1.29*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.81	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.60*	
		For >1,500 To 2,200, Deduct	*-0.87*	
		For >2,200 To 3,500, Deduct	*-1.12*	
		For >3,500, Deduct	*-1.36*	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.48	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.50*	
		For >900 To 1,500, Deduct	*-0.72*	
		For >1,500 To 2,200, Deduct	*-1.04*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0017		**Froth Polyurethane Foam Carpet Padding** *(09 68 16 00-0002)*		
09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	18.03	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-0.83*	
		For >900 To 1,500, Deduct	*-1.18*	
		For >1,500 To 2,200, Deduct	*-1.70*	
		For >2,200 To 3,500, Deduct	*-2.15*	
		For >3,500, Deduct	*-2.60*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	20.50	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.55*	
		For >600 To 900, Deduct	*-0.95*	
		For >900 To 1,500, Deduct	*-1.35*	
		For >1,500 To 2,200, Deduct	*-1.94*	
		For >2,200 To 3,500, Deduct	*-2.46*	
		For >3,500, Deduct	*-2.97*	
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	22.39	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.61*	
		For >600 To 900, Deduct	*-1.04*	
		For >900 To 1,500, Deduct	*-1.48*	
		For >1,500 To 2,200, Deduct	*-2.13*	
		For >2,200 To 3,500, Deduct	*-2.69*	
		For >3,500, Deduct	*-3.25*	
09 68 16 00-0021		**Waffle Rubber Carpet Padding** *(09 68 16 00-0002)*		
09 68 16 00-0022	SY	3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	21.16	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.38*	
		For >400 To 600, Deduct	*-0.57*	
		For >600 To 900, Deduct	*-0.98*	
		For >900 To 1,500, Deduct	*-1.40*	
		For >1,500 To 2,200, Deduct	*-2.01*	
		For >2,200 To 3,500, Deduct	*-2.54*	
		For >3,500, Deduct	*-3.07*	
09 68 16 00-0023		**Flat Sponge Rubber Carpet Padding** *(09 68 16 00-0002)*		
09 68 16 00-0024	SY	0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	11.61	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.51*	
		For >900 To 1,500, Deduct	*-0.73*	
		For >1,500 To 2,200, Deduct	*-1.05*	
		For >2,200 To 3,500, Deduct	*-1.34*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0025	SY	0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	12.62	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.56*	
		For >900 To 1,500, Deduct	*-0.80*	
		For >1,500 To 2,200, Deduct	*-1.15*	
		For >2,200 To 3,500, Deduct	*-1.47*	
		For >3,500, Deduct	*-1.79*	
09 68 16 00-0026	SY	0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	13.37	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.34*	
		For >600 To 900, Deduct	*-0.59*	
		For >900 To 1,500, Deduct	*-0.85*	
		For >1,500 To 2,200, Deduct	*-1.23*	
		For >2,200 To 3,500, Deduct	*-1.56*	
		For >3,500, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0027	SY	0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	15.70	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.71*	
		For >900 To 1,500, Deduct	*-1.01*	
		For >1,500 To 2,200, Deduct	*-1.46*	
		For >2,200 To 3,500, Deduct	*-1.86*	
		For >3,500, Deduct	*-2.25*	
09 68 16 00-0028	SY	0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	15.90	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.28*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.72*	
		For >900 To 1,500, Deduct	*-1.03*	
		For >1,500 To 2,200, Deduct	*-1.48*	
		For >2,200 To 3,500, Deduct	*-1.88*	
		For >3,500, Deduct	*-2.28*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	4.11	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.13*	
		For >900 To 1,500, Deduct	*-0.20*	
		For >1,500 To 2,200, Deduct	*-0.30*	
		For >2,200 To 3,500, Deduct	*-0.41*	
		For >3,500, Deduct	*-0.51*	
09 68 16 00-0031	SY	0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	5.65	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.11*	
		For >600 To 900, Deduct	*-0.21*	
		For >900 To 1,500, Deduct	*-0.31*	
		For >1,500 To 2,200, Deduct	*-0.46*	
		For >2,200 To 3,500, Deduct	*-0.60*	
		For >3,500, Deduct	*-0.74*	
09 68 16 00-0032	SY	0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	4.94	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.17*	
		For >900 To 1,500, Deduct	*-0.26*	
		For >1,500 To 2,200, Deduct	*-0.39*	
		For >2,200 To 3,500, Deduct	*-0.51*	
		For >3,500, Deduct	*-0.63*	
09 68 16 00-0033	SY	0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	5.21	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.19*	
		For >900 To 1,500, Deduct	*-0.28*	
		For >1,500 To 2,200, Deduct	*-0.41*	
		For >2,200 To 3,500, Deduct	*-0.54*	
		For >3,500, Deduct	*-0.67*	
09 68 16 00-0034	SY	0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding	6.79	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.26*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.57*	
		For >2,200 To 3,500, Deduct	*-0.74*	
		For >3,500, Deduct	*-0.91*	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0036	SY	0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding	7.28	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.29*	
		For >900 To 1,500, Deduct	*-0.42*	
		For >1,500 To 2,200, Deduct	*-0.62*	
		For >2,200 To 3,500, Deduct	*-0.80*	
		For >3,500, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0037	SY	0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding	8.51	1.42
		For Up To 15, Add	*0.43*	
		For >15 To 33, Add	*0.22*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.35*	
		For >900 To 1,500, Deduct	*-0.51*	
		For >1,500 To 2,200, Deduct	*-0.74*	
		For >2,200 To 3,500, Deduct	*-0.96*	
		For >3,500, Deduct	*-1.17*	

09 68 16 00-0038 Residential Broadloom Carpet *(09 68 16)*

Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.

09 68 16 00-0039	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	31.34	3.78
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.86*	
		For Up To 15, Add	*1.94*	
		For >15 To 33, Add	*0.97*	
		For >200 To 400, Deduct	*-0.43*	
		For >400 To 600, Deduct	*-0.65*	
		For >600 To 900, Deduct	*-1.23*	
		For >900, Deduct	*-1.81*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	36.43	3.78
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.86*	
		For Up To 15, Add	*1.94*	
		For >15 To 33, Add	*0.97*	
		For >200 To 400, Deduct	*-0.53*	
		For >400 To 600, Deduct	*-0.80*	
		For >600 To 900, Deduct	*-1.48*	
		For >900, Deduct	*-2.16*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	43.42	3.78
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.86*	
		For Up To 15, Add	*1.94*	
		For >15 To 33, Add	*0.97*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.83*	
		For >900, Deduct	*-2.65*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	50.73	3.78
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.86*	
		For Up To 15, Add	*1.94*	
		For >15 To 33, Add	*0.97*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.20*	
		For >900, Deduct	*-3.16*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	52.01	3.78
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.86*	
		For Up To 15, Add	*1.94*	
		For >15 To 33, Add	*0.97*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.26*	
		For >900, Deduct	*-3.25*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	53.33	4.17
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.96*	
		For Up To 15, Add	*2.07*	
		For >15 To 33, Add	*1.04*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.30*	
		For >900, Deduct	*-3.32*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	55.52	4.17
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.96*	
		For Up To 15, Add	*2.07*	
		For >15 To 33, Add	*1.04*	
		For >200 To 400, Deduct	*-0.90*	
		For >400 To 600, Deduct	*-1.35*	
		For >600 To 900, Deduct	*-2.41*	
		For >900, Deduct	*-3.47*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	60.92	4.17
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.96*	
		For Up To 15, Add	*2.07*	
		For >15 To 33, Add	*1.04*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.68*	
		For >900, Deduct	*-3.85*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	61.56	4.17
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.96*	
		For Up To 15, Add	*2.07*	
		For >15 To 33, Add	*1.04*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.72*	
		For >900, Deduct	*-3.89*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	64.10	4.17
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*1.96*	
		For Up To 15, Add	*2.07*	
		For >15 To 33, Add	*1.04*	
		For >200 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.61*	
		For >600 To 900, Deduct	*-2.84*	
		For >900, Deduct	*-4.07*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0049 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0050 Non-Patterned Broadloom Carpet *(09 68 16 00-0049)*

09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	44.96	12.68
		For Up To 15, Add	*1.69*	
		For >15 To 33, Add	*0.85*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-1.95*	
		For >900, Deduct	*-2.81*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	45.33	12.68
		For Up To 15, Add	*1.69*	
		For >15 To 33, Add	*0.85*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-1.97*	
		For >900, Deduct	*-2.83*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	45.87	12.68
		For Up To 15, Add	*1.69*	
		For >15 To 33, Add	*0.85*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.00*	
		For >900, Deduct	*-2.87*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0054	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	48.74	13.75
		For Up To 15, Add	*1.83*	
		For >15 To 33, Add	*0.92*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.19*	
		For >600 To 900, Deduct	*-2.12*	
		For >900, Deduct	*-3.05*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0055	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	50.87	13.75
		For Up To 15, Add	*1.83*	
		For >15 To 33, Add	*0.92*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.22*	
		For >900, Deduct	*-3.19*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	52.51	13.75
		For Up To 15, Add	*1.83*	
		For >15 To 33, Add	*0.92*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.30*	
		For >900, Deduct	*-3.31*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	57.47	14.80
		For Up To 15, Add	*1.97*	
		For >15 To 33, Add	*0.99*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.53*	
		For >900, Deduct	*-3.63*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	59.47	14.80
		For Up To 15, Add	*1.97*	
		For >15 To 33, Add	*0.99*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.63*	
		For >900, Deduct	*-3.77*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	61.70	14.80
		For Up To 15, Add	*1.97*	
		For >15 To 33, Add	*0.99*	
		For >200 To 400, Deduct	*-1.04*	
		For >400 To 600, Deduct	*-1.56*	
		For >600 To 900, Deduct	*-2.74*	
		For >900, Deduct	*-3.92*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0060 Patterned Broadloom Carpet *(09 68 16 00-0049)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	46.35	12.68
		For Up To 15, Add	*1.86*	
		For >15 To 33, Add	*0.93*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.11*	
		For >600 To 900, Deduct	*-1.99*	
		For >900, Deduct	*-2.87*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	46.72	12.68
		For Up To 15, Add	*1.86*	
		For >15 To 33, Add	*0.93*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.01*	
		For >900, Deduct	*-2.90*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	47.28	12.68
		For Up To 15, Add	*1.86*	
		For >15 To 33, Add	*0.93*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.04*	
		For >900, Deduct	*-2.94*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	50.25	13.75
		For Up To 15, Add	*2.02*	
		For >15 To 33, Add	*1.01*	
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.16*	
		For >900, Deduct	*-3.11*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	52.42	13.75
		For Up To 15, Add	*2.02*	
		For >15 To 33, Add	*1.01*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.27*	
		For >900, Deduct	*-3.27*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0066	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	54.08	13.75
		For Up To 15, Add	*2.02*	
		For >15 To 33, Add	*1.01*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.32*	
		For >600 To 900, Deduct	*-2.35*	
		For >900, Deduct	*-3.38*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0067	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	59.18	14.80
		For Up To 15, Add	*2.17*	
		For >15 To 33, Add	*1.09*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.58*	
		For >900, Deduct	*-3.71*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0068	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	61.22	14.80
		For Up To 15, Add	*2.17*	
		For >15 To 33, Add	*1.09*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.51*	
		For >600 To 900, Deduct	*-2.68*	
		For >900, Deduct	*-3.85*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0069	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	63.48	14.80
		For Up To 15, Add	*2.17*	
		For >15 To 33, Add	*1.09*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.58*	
		For >600 To 900, Deduct	*-2.79*	
		For >900, Deduct	*-4.01*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0070		**Indoor/Outdoor Carpet** *(09 68 16)*		
		Note: Includes waterproof glue.		
09 68 16 00-0071	SY	Nylon Indoor/Outdoor Carpet	50.68	2.84
09 68 16 00-0072	SY	Ozite Indoor/Outdoor Carpet	37.00	2.84
09 68 16 00-0073		**Carpet Accessories** *(09 68 16)*		
09 68 16 00-0074	LF	Metal Carpet Saddle Strip, Up To 4" Wide	8.76	0.44
09 68 16 00-0075		**Removal And Reinstallation Of Carpet And Pad** *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076	SY	Removal And Reinstallation Of Carpet And Pad	17.91	
09 68 16 00-0077		**Carpeting Support Functions** *(09 68 16)*		
09 68 16 00-0078		**Relocate Partitions, Modular Workstations** *(09 68 16 00-0077)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079	EA	Relocate Modular Workstation	155.47	
09 68 16 00-0080		**Installation Of Owner Provided Broadloom Carpet** *(09 68 16)*		
09 68 16 00-0081	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	7.79	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*1.47*	
		For >15 To 33, Add	*0.74*	
09 68 16 00-0082	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	9.01	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*1.72*	
		For >15 To 33, Add	*0.86*	
09 68 16 00-0083	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	10.73	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.06*	
		For >15 To 33, Add	*1.03*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		**Panels, No Covering** *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	18.47	0.44
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	36.09	0.44
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	33.52	0.49
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	33.52	0.49
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	33.52	0.49
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	33.52	0.49
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	31.62	0.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	31.62	0.49
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	35.90	0.49
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	35.90	0.49
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808	35.90	0.49
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	35.90	0.49
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	34.00	0.49
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	34.00	0.49
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	43.48	0.49
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	43.48	0.49
09 69 13 00-0018		**Pedestals** *(09 69 13)*		
09 69 13 00-0019	EA	2-1/2" To 4" Finished Floor Height, Pedestal Assembly	24.59	2.22
09 69 13 00-0020	EA	6" To 12" Finished Floor Height, Pedestal Assembly	32.86	2.22
09 69 13 00-0021	EA	8" To 12" Finished Floor Height, Pedestal Assembly	35.24	2.22
09 69 13 00-0022	EA	18" To 24" Finished Floor Height, Pedestal Assembly	36.43	2.22
09 69 13 00-0023	EA	30" To 36" Finished Floor Height, Pedestal Assembly	40.75	2.22
09 69 13 00-0024		**Stringers** *(09 69 13)*		
09 69 13 00-0025	EA	2' Bolted Stringers, Access And Pedestal Floors	13.39	2.67
09 69 13 00-0026	EA	4' Bolted Stringers, Access And Pedestal Floors	25.33	4.00
09 69 13 00-0027	EA	6' Bolted Stringers, Access And Pedestal Floors	38.95	6.66
09 69 13 00-0028		**Understructure** *(09 69 13)*		
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height	5.95	0.67
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height	6.52	0.67
09 69 13 00-0031	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	7.67	0.67
09 69 53		**Access Flooring Accessories** *(09 69)*		
09 69 53 00-0001		**Accessories** *(09 69 53)*		
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors	39.29	1.78
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	63.09	3.11
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	19.98	3.11
09 69 53 00-0005	EA	Machine Cutouts	178.16	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate	68.58	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	170.47	0.22
09 69 53 00-0008	LF	Tate Handrail	131.77	1.47
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", and 24").	43.17	1.47
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille Note: Includes carpet trim to flush mount.	200.86	5.55
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	33.34	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	33.34	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	63.10	0.89
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	78.58	0.89
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	58.81	0.89
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	78.58	0.89
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	197.99	5.55
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	129.87	5.55
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	197.99	5.55
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	112.10	0.89
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	4.44	
09 69 53 00-0022		**Final Cleaning For Computer Room Raised Floor System** *(09 69 53)* Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	1.85	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	2.00	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	1.95	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001		**Cork Wall Covering** *(09 72 13)*		
09 72 13 00-0002	SF	1/8" Cork Wall Covering	3.87	0.41
09 72 13 00-0003	SF	1/4" Cork Wall Covering	5.65	0.41
09 72 13 00-0004	SF	1/2" Cork Wall Covering	7.07	0.41
09 72 13 00-0005	SF	3/4" Cork Wall Covering	11.22	0.41

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 16 13		**Flexible Vinyl Wall Coverings** *(09 72 16)*		
09 72 16 13-0001		Vinyl Wall Coverings *(09 72 16 13)*		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7 To 10 Oz./SY Vinyl Wall Covering	1.83	0.41
		For Owner Furnished Material, Deduct	*-1.18*	
09 72 16 13-0003	SF	11 To 14 Oz./SY Vinyl Wall Covering	2.42	0.41
		For Owner Furnished Material, Deduct	*-1.72*	
09 72 16 13-0004	SF	15 To 19 Oz./SY Vinyl Wall Covering	2.93	0.41
		For Owner Furnished Material, Deduct	*-2.15*	
09 72 16 13-0005	SF	20 To 25 Oz./SY Vinyl Wall Covering	3.35	0.41
		For Owner Furnished Material, Deduct	*-2.48*	
09 72 16 13-0006	SF	26 To 32 Oz./SY Vinyl Wall Covering	3.93	0.41
		For Owner Furnished Material, Deduct	*-3.02*	
09 72 16 13-0007	SF	33 To 38 Oz./SY Vinyl Wall Covering	4.77	0.41
		For Owner Furnished Material, Deduct	*-3.82*	
09 72 16 13-0008		Vinyl Wall Border *(09 72 16 13)*		
09 72 16 13-0009	LF	4" Vinyl Wall Cover Border	1.68	0.41
09 72 16 13-0010	LF	5" Vinyl Wall Cover Border	1.85	0.41
09 72 16 13-0011	LF	6" Vinyl Wall Cover Border	2.05	0.41
09 72 16 13-0012	LF	7" Vinyl Wall Cover Border	2.42	0.45
09 72 16 13-0013	LF	8" Vinyl Wall Cover Border	2.99	0.50
09 72 16 13-0014	LF	10" Vinyl Wall Cover Border	3.64	0.55
09 72 23		**Wallpapering** *(09 72)*		
09 72 23 00-0001		Wallpaper Coverings *(09 72 23)*		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	1.65	0.56
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.23	0.71
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	2.01	1.04
09 73		**Wall Carpeting** *(09 70)*		
09 73 00 00-0001		Carpet Wall Covering *(09 73)*		
09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	36.77	14.09
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	38.06	14.09
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	40.90	15.17
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	43.22	15.17
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	45.67	15.17
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	47.23	15.17
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	49.46	16.38
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	51.95	16.38
09 74		**Flexible Wood Sheets** *(09 70)*		
09 74 16		**Flexible Wood Veneers** *(09 74)*		
09 74 16 00-0001		Flexible Wood Veneer *(09 74 16)*		
09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	7.37	1.67
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	7.63	1.67
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	7.63	1.67
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	7.88	1.67
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	9.15	1.67
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	10.68	1.67
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	12.46	1.67
09 74 16 00-0009		Flexible Exotic Wood Veneer *(09 74 16)*		
09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	16.86	1.67
09 78		**Interior Wall Paneling** *(09 70)*		
09 78 23		**Recycled Resin Interior Wall Paneling** *(09 78)*		
09 78 23 00-0001		Varia Ecoresin Panels And Accessories *(09 78 23)*		
09 78 23 00-0002		4' x 8' Varia Ecoresin Panels And Accessories *(09 78 23 00-0001)*		
09 78 23 00-0003		4' x 8' Varia Ecoresin Panels *(09 78 23 00-0002)*		
09 78 23 00-0004	EA	1/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel	1,381.46	261.53
		For 6 To 14 Panels, Deduct	*-36.38*	
		For 15 To 29 Panels, Deduct	*-72.76*	
		For 30 To 59 Panels, Deduct	*-103.66*	
		For 60 To 99 Panels, Deduct	*-141.84*	
		For 100 To 199 Panels, Deduct	*-180.01*	
		For 200+ Panels, Deduct	*-210.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0005	EA	1/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel	1,650.88	272.00
		For 6 To 14 Panels, Deduct	*-48.55*	
		For 15 To 29 Panels, Deduct	*-97.09*	
		For 30 To 59 Panels, Deduct	*-133.51*	
		For 60 To 99 Panels, Deduct	*-179.63*	
		For 100 To 199 Panels, Deduct	*-225.76*	
		For 200+ Panels, Deduct	*-262.18*	
09 78 23 00-0006	EA	3/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel	1,921.75	282.45
		For 6 To 14 Panels, Deduct	*-60.78*	
		For 15 To 29 Panels, Deduct	*-121.56*	
		For 30 To 59 Panels, Deduct	*-163.53*	
		For 60 To 99 Panels, Deduct	*-217.65*	
		For 100 To 199 Panels, Deduct	*-271.77*	
		For 200+ Panels, Deduct	*-313.74*	
09 78 23 00-0007	EA	1/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel	2,069.91	292.92
		For 6 To 14 Panels, Deduct	*-66.88*	
		For 15 To 29 Panels, Deduct	*-133.76*	
		For 30 To 59 Panels, Deduct	*-178.82*	
		For 60 To 99 Panels, Deduct	*-237.26*	
		For 100 To 199 Panels, Deduct	*-295.69*	
		For 200+ Panels, Deduct	*-340.75*	
09 78 23 00-0008	EA	3/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel	2,652.31	303.37
		For 6 To 14 Panels, Deduct	*-94.69*	
		For 15 To 29 Panels, Deduct	*-189.39*	
		For 30 To 59 Panels, Deduct	*-246.23*	
		For 60 To 99 Panels, Deduct	*-322.00*	
		For 100 To 199 Panels, Deduct	*-397.78*	
		For 200+ Panels, Deduct	*-454.62*	
09 78 23 00-0009	EA	1/2" Thick, Group A, 4' x 8' Varia Ecoresin Panel	3,167.17	313.84
		For 6 To 14 Panels, Deduct	*-119.13*	
		For 15 To 29 Panels, Deduct	*-238.26*	
		For 30 To 59 Panels, Deduct	*-305.52*	
		For 60 To 99 Panels, Deduct	*-396.62*	
		For 100 To 199 Panels, Deduct	*-487.71*	
		For 200+ Panels, Deduct	*-554.98*	
09 78 23 00-0010	EA	3/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel	4,781.48	324.30
		For 6 To 14 Panels, Deduct	*-198.54*	
		For 15 To 29 Panels, Deduct	*-397.07*	
		For 30 To 59 Panels, Deduct	*-496.76*	
		For 60 To 99 Panels, Deduct	*-636.15*	
		For 100 To 199 Panels, Deduct	*-775.54*	
		For 200+ Panels, Deduct	*-875.22*	
09 78 23 00-0011	EA	1" Thick, Group A, 4' x 8' Varia Ecoresin Panel	5,694.29	334.76
		For 6 To 14 Panels, Deduct	*-242.87*	
		For 15 To 29 Panels, Deduct	*-485.74*	
		For 30 To 59 Panels, Deduct	*-603.81*	
		For 60 To 99 Panels, Deduct	*-770.45*	
		For 100 To 199 Panels, Deduct	*-937.10*	
		For 200+ Panels, Deduct	*-1,055.17*	
09 78 23 00-0012	EA	1/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel	1,598.59	261.53
		For 6 To 14 Panels, Deduct	*-47.24*	
		For 15 To 29 Panels, Deduct	*-94.48*	
		For 30 To 59 Panels, Deduct	*-129.72*	
		For 60 To 99 Panels, Deduct	*-174.41*	
		For 100 To 199 Panels, Deduct	*-219.09*	
		For 200+ Panels, Deduct	*-254.34*	
09 78 23 00-0013	EA	1/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel	1,861.47	272.00
		For 6 To 14 Panels, Deduct	*-59.07*	
		For 15 To 29 Panels, Deduct	*-118.15*	
		For 30 To 59 Panels, Deduct	*-158.78*	
		For 60 To 99 Panels, Deduct	*-211.22*	
		For 100 To 199 Panels, Deduct	*-263.67*	
		For 200+ Panels, Deduct	*-304.30*	
09 78 23 00-0014	EA	3/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel	2,125.80	282.45
		For 6 To 14 Panels, Deduct	*-70.98*	
		For 15 To 29 Panels, Deduct	*-141.97*	
		For 30 To 59 Panels, Deduct	*-188.01*	
		For 60 To 99 Panels, Deduct	*-248.26*	
		For 100 To 199 Panels, Deduct	*-308.50*	
		For 200+ Panels, Deduct	*-354.55*	
09 78 23 00-0015	EA	1/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel	2,336.41	292.92
		For 6 To 14 Panels, Deduct	*-80.21*	
		For 15 To 29 Panels, Deduct	*-160.41*	
		For 30 To 59 Panels, Deduct	*-210.80*	
		For 60 To 99 Panels, Deduct	*-277.23*	
		For 100 To 199 Panels, Deduct	*-343.66*	
		For 200+ Panels, Deduct	*-394.05*	
09 78 23 00-0016	EA	3/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel	2,867.26	303.37
		For 6 To 14 Panels, Deduct	*-105.44*	
		For 15 To 29 Panels, Deduct	*-210.88*	
		For 30 To 59 Panels, Deduct	*-272.02*	
		For 60 To 99 Panels, Deduct	*-354.25*	
		For 100 To 199 Panels, Deduct	*-436.47*	
		For 200+ Panels, Deduct	*-497.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0017	EA	1/2" Thick, Group B, 4' x 8' Varia Ecoresin Panel	3,457.64	313.84
		For 6 To 14 Panels, Deduct	*-133.65*	
		For 15 To 29 Panels, Deduct	*-267.31*	
		For 30 To 59 Panels, Deduct	*-340.38*	
		For 60 To 99 Panels, Deduct	*-440.19*	
		For 100 To 199 Panels, Deduct	*-539.99*	
		For 200+ Panels, Deduct	*-613.07*	
09 78 23 00-0018	EA	3/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel	4,938.33	324.30
		For 6 To 14 Panels, Deduct	*-206.38*	
		For 15 To 29 Panels, Deduct	*-412.76*	
		For 30 To 59 Panels, Deduct	*-515.58*	
		For 60 To 99 Panels, Deduct	*-659.67*	
		For 100 To 199 Panels, Deduct	*-803.77*	
		For 200+ Panels, Deduct	*-906.59*	
09 78 23 00-0019	EA	1" Thick, Group B, 4' x 8' Varia Ecoresin Panel	5,886.00	334.76
		For 6 To 14 Panels, Deduct	*-252.46*	
		For 15 To 29 Panels, Deduct	*-504.91*	
		For 30 To 59 Panels, Deduct	*-626.81*	
		For 60 To 99 Panels, Deduct	*-799.21*	
		For 100 To 199 Panels, Deduct	*-971.61*	
		For 200+ Panels, Deduct	*-1,093.51*	
09 78 23 00-0020	EA	1/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel	1,869.45	261.53
		For 6 To 14 Panels, Deduct	*-60.78*	
		For 15 To 29 Panels, Deduct	*-121.56*	
		For 30 To 59 Panels, Deduct	*-162.22*	
		For 60 To 99 Panels, Deduct	*-215.03*	
		For 100 To 199 Panels, Deduct	*-267.85*	
		For 200+ Panels, Deduct	*-308.51*	
09 78 23 00-0021	EA	1/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel	2,207.85	272.00
		For 6 To 14 Panels, Deduct	*-76.39*	
		For 15 To 29 Panels, Deduct	*-152.79*	
		For 30 To 59 Panels, Deduct	*-200.34*	
		For 60 To 99 Panels, Deduct	*-263.18*	
		For 100 To 199 Panels, Deduct	*-326.02*	
		For 200+ Panels, Deduct	*-373.57*	
09 78 23 00-0022	EA	3/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel	2,447.50	282.45
		For 6 To 14 Panels, Deduct	*-87.07*	
		For 15 To 29 Panels, Deduct	*-174.14*	
		For 30 To 59 Panels, Deduct	*-226.62*	
		For 60 To 99 Panels, Deduct	*-296.51*	
		For 100 To 199 Panels, Deduct	*-366.41*	
		For 200+ Panels, Deduct	*-418.89*	
09 78 23 00-0023	EA	1/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel	2,656.66	292.92
		For 6 To 14 Panels, Deduct	*-96.22*	
		For 15 To 29 Panels, Deduct	*-192.44*	
		For 30 To 59 Panels, Deduct	*-249.23*	
		For 60 To 99 Panels, Deduct	*-325.27*	
		For 100 To 199 Panels, Deduct	*-401.31*	
		For 200+ Panels, Deduct	*-458.10*	
09 78 23 00-0024	EA	3/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,141.02	303.37
		For 6 To 14 Panels, Deduct	*-119.13*	
		For 15 To 29 Panels, Deduct	*-238.26*	
		For 30 To 59 Panels, Deduct	*-304.87*	
		For 60 To 99 Panels, Deduct	*-395.31*	
		For 100 To 199 Panels, Deduct	*-485.75*	
		For 200+ Panels, Deduct	*-552.36*	
09 78 23 00-0025	EA	1/2" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,809.84	313.84
		For 6 To 14 Panels, Deduct	*-151.26*	
		For 15 To 29 Panels, Deduct	*-302.53*	
		For 30 To 59 Panels, Deduct	*-382.64*	
		For 60 To 99 Panels, Deduct	*-493.02*	
		For 100 To 199 Panels, Deduct	*-603.39*	
		For 200+ Panels, Deduct	*-683.51*	
09 78 23 00-0026	EA	3/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel	5,331.92	324.30
		For 6 To 14 Panels, Deduct	*-226.06*	
		For 15 To 29 Panels, Deduct	*-452.12*	
		For 30 To 59 Panels, Deduct	*-562.81*	
		For 60 To 99 Panels, Deduct	*-718.71*	
		For 100 To 199 Panels, Deduct	*-874.62*	
		For 200+ Panels, Deduct	*-985.31*	
09 78 23 00-0027	EA	1" Thick, Group C, 4' x 8' Varia Ecoresin Panel	6,244.73	334.76
		For 6 To 14 Panels, Deduct	*-270.39*	
		For 15 To 29 Panels, Deduct	*-540.78*	
		For 30 To 59 Panels, Deduct	*-669.86*	
		For 60 To 99 Panels, Deduct	*-853.02*	
		For 100 To 199 Panels, Deduct	*-1,036.18*	
		For 200+ Panels, Deduct	*-1,165.26*	
09 78 23 00-0028	EA	1/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel	2,046.64	261.53
		For 6 To 14 Panels, Deduct	*-69.64*	
		For 15 To 29 Panels, Deduct	*-139.28*	
		For 30 To 59 Panels, Deduct	*-183.48*	
		For 60 To 99 Panels, Deduct	*-241.61*	
		For 100 To 199 Panels, Deduct	*-299.74*	
		For 200+ Panels, Deduct	*-343.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0029	EA	1/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel	2,344.38	272.00
		For 6 To 14 Panels, Deduct	*-83.22*	
		For 15 To 29 Panels, Deduct	*-166.44*	
		For 30 To 59 Panels, Deduct	*-216.73*	
		For 60 To 99 Panels, Deduct	*-283.66*	
		For 100 To 199 Panels, Deduct	*-350.59*	
		For 200+ Panels, Deduct	*-400.88*	
09 78 23 00-0030	EA	3/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel	2,631.22	282.45
		For 6 To 14 Panels, Deduct	*-96.25*	
		For 15 To 29 Panels, Deduct	*-192.51*	
		For 30 To 59 Panels, Deduct	*-248.66*	
		For 60 To 99 Panels, Deduct	*-324.07*	
		For 100 To 199 Panels, Deduct	*-399.48*	
		For 200+ Panels, Deduct	*-455.63*	
09 78 23 00-0031	EA	1/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel	3,002.32	292.92
		For 6 To 14 Panels, Deduct	*-113.50*	
		For 15 To 29 Panels, Deduct	*-227.00*	
		For 30 To 59 Panels, Deduct	*-290.71*	
		For 60 To 99 Panels, Deduct	*-377.12*	
		For 100 To 199 Panels, Deduct	*-463.53*	
		For 200+ Panels, Deduct	*-527.24*	
09 78 23 00-0032	EA	3/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel	3,391.55	303.37
		For 6 To 14 Panels, Deduct	*-131.66*	
		For 15 To 29 Panels, Deduct	*-263.31*	
		For 30 To 59 Panels, Deduct	*-334.93*	
		For 60 To 99 Panels, Deduct	*-432.89*	
		For 100 To 199 Panels, Deduct	*-530.84*	
		For 200+ Panels, Deduct	*-602.47*	
09 78 23 00-0033	EA	1/2" Thick, Group D, 4' x 8' Varia Ecoresin Panel	4,144.61	313.84
		For 6 To 14 Panels, Deduct	*-168.00*	
		For 15 To 29 Panels, Deduct	*-336.00*	
		For 30 To 59 Panels, Deduct	*-422.82*	
		For 60 To 99 Panels, Deduct	*-543.23*	
		For 100 To 199 Panels, Deduct	*-663.65*	
		For 200+ Panels, Deduct	*-750.46*	
09 78 23 00-0034	EA	3/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel	5,623.12	324.30
		For 6 To 14 Panels, Deduct	*-240.62*	
		For 15 To 29 Panels, Deduct	*-481.24*	
		For 30 To 59 Panels, Deduct	*-597.75*	
		For 60 To 99 Panels, Deduct	*-762.39*	
		For 100 To 199 Panels, Deduct	*-927.03*	
		For 200+ Panels, Deduct	*-1,043.55*	
09 78 23 00-0035	EA	1" Thick, Group D, 4' x 8' Varia Ecoresin Panel	6,859.80	334.76
		For 6 To 14 Panels, Deduct	*-301.15*	
		For 15 To 29 Panels, Deduct	*-602.29*	
		For 30 To 59 Panels, Deduct	*-743.67*	
		For 60 To 99 Panels, Deduct	*-945.28*	
		For 100 To 199 Panels, Deduct	*-1,146.89*	
		For 200+ Panels, Deduct	*-1,288.27*	
09 78 23 00-0036	EA	7/16" Thick, Remix, 4' x 8' Varia Ecoresin Panel	2,709.14	313.84
		For 6 To 14 Panels, Deduct	*-96.23*	
		For 15 To 29 Panels, Deduct	*-192.46*	
		For 30 To 59 Panels, Deduct	*-250.56*	
		For 60 To 99 Panels, Deduct	*-327.91*	
		For 100 To 199 Panels, Deduct	*-405.26*	
		For 200+ Panels, Deduct	*-463.37*	
09 78 23 00-0037	EA	1/4" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	3,778.60	292.92
		For 6 To 14 Panels, Deduct	*-152.32*	
		For 15 To 29 Panels, Deduct	*-304.63*	
		For 30 To 59 Panels, Deduct	*-383.86*	
		For 60 To 99 Panels, Deduct	*-493.56*	
		For 100 To 199 Panels, Deduct	*-603.26*	
		For 200+ Panels, Deduct	*-682.49*	
09 78 23 00-0038	EA	3/8" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	4,324.69	303.37
		For 6 To 14 Panels, Deduct	*-178.31*	
		For 15 To 29 Panels, Deduct	*-356.63*	
		For 30 To 59 Panels, Deduct	*-446.91*	
		For 60 To 99 Panels, Deduct	*-572.86*	
		For 100 To 199 Panels, Deduct	*-698.81*	
		For 200+ Panels, Deduct	*-789.09*	
09 78 23 00-0039	EA	1/2" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	4,806.88	313.84
		For 6 To 14 Panels, Deduct	*-201.11*	
		For 15 To 29 Panels, Deduct	*-402.23*	
		For 30 To 59 Panels, Deduct	*-502.29*	
		For 60 To 99 Panels, Deduct	*-642.57*	
		For 100 To 199 Panels, Deduct	*-782.86*	
		For 200+ Panels, Deduct	*-882.92*	
09 78 23 00-0040	EA	1" Thick, Riverrock, 4' x 8' Varia Ecoresin Panel	7,405.34	334.76
		For 6 To 14 Panels, Deduct	*-328.42*	
		For 15 To 29 Panels, Deduct	*-656.84*	
		For 30 To 59 Panels, Deduct	*-809.14*	
		For 60 To 99 Panels, Deduct	*-1,027.11*	
		For 100 To 199 Panels, Deduct	*-1,245.09*	
		For 200+ Panels, Deduct	*-1,397.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0041	EA	3/8" Thick, Strata, 4' x 8' Varia Ecoresin Panel	4,169.29	303.37
		For 6 To 14 Panels, Deduct	*-170.54*	
		For 15 To 29 Panels, Deduct	*-341.09*	
		For 30 To 59 Panels, Deduct	*-428.26*	
		For 60 To 99 Panels, Deduct	*-549.55*	
		For 100 To 199 Panels, Deduct	*-670.84*	
		For 200+ Panels, Deduct	*-758.01*	
09 78 23 00-0042	EA	3/8" Thick, Timber, 4' x 8' Varia Ecoresin Panel	4,341.39	303.37
		For 6 To 14 Panels, Deduct	*-179.15*	
		For 15 To 29 Panels, Deduct	*-358.30*	
		For 30 To 59 Panels, Deduct	*-448.92*	
		For 60 To 99 Panels, Deduct	*-575.36*	
		For 100 To 199 Panels, Deduct	*-701.81*	
		For 200+ Panels, Deduct	*-792.43*	
09 78 23 00-0043	EA	1/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	3,499.72	272.00
		For 6 To 14 Panels, Deduct	*-140.99*	
		For 15 To 29 Panels, Deduct	*-281.97*	
		For 30 To 59 Panels, Deduct	*-355.37*	
		For 60 To 99 Panels, Deduct	*-456.96*	
		For 100 To 199 Panels, Deduct	*-558.55*	
		For 200+ Panels, Deduct	*-631.95*	
09 78 23 00-0044	EA	3/16" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	3,661.67	282.45
		For 6 To 14 Panels, Deduct	*-147.78*	
		For 15 To 29 Panels, Deduct	*-295.55*	
		For 30 To 59 Panels, Deduct	*-372.32*	
		For 60 To 99 Panels, Deduct	*-478.64*	
		For 100 To 199 Panels, Deduct	*-584.96*	
		For 200+ Panels, Deduct	*-661.72*	
09 78 23 00-0045	EA	1/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	3,815.63	292.92
		For 6 To 14 Panels, Deduct	*-154.17*	
		For 15 To 29 Panels, Deduct	*-308.33*	
		For 30 To 59 Panels, Deduct	*-388.31*	
		For 60 To 99 Panels, Deduct	*-499.12*	
		For 100 To 199 Panels, Deduct	*-609.92*	
		For 200+ Panels, Deduct	*-689.90*	
09 78 23 00-0046	EA	3/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	4,109.02	303.37
		For 6 To 14 Panels, Deduct	*-167.53*	
		For 15 To 29 Panels, Deduct	*-335.06*	
		For 30 To 59 Panels, Deduct	*-421.03*	
		For 60 To 99 Panels, Deduct	*-540.51*	
		For 100 To 199 Panels, Deduct	*-659.99*	
		For 200+ Panels, Deduct	*-745.96*	
09 78 23 00-0047	EA	1/2" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	4,404.58	313.84
		For 6 To 14 Panels, Deduct	*-181.00*	
		For 15 To 29 Panels, Deduct	*-362.00*	
		For 30 To 59 Panels, Deduct	*-454.01*	
		For 60 To 99 Panels, Deduct	*-582.23*	
		For 100 To 199 Panels, Deduct	*-710.44*	
		For 200+ Panels, Deduct	*-802.46*	
09 78 23 00-0048	EA	3/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	6,007.27	324.30
		For 6 To 14 Panels, Deduct	*-259.83*	
		For 15 To 29 Panels, Deduct	*-519.65*	
		For 30 To 59 Panels, Deduct	*-643.85*	
		For 60 To 99 Panels, Deduct	*-820.02*	
		For 100 To 199 Panels, Deduct	*-996.18*	
		For 200+ Panels, Deduct	*-1,120.38*	
09 78 23 00-0049	EA	1" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	6,955.66	334.76
		For 6 To 14 Panels, Deduct	*-305.94*	
		For 15 To 29 Panels, Deduct	*-611.88*	
		For 30 To 59 Panels, Deduct	*-755.17*	
		For 60 To 99 Panels, Deduct	*-959.66*	
		For 100 To 199 Panels, Deduct	*-1,164.14*	
		For 200+ Panels, Deduct	*-1,307.44*	
09 78 23 00-0050	EA	1/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	3,295.67	272.00
		For 6 To 14 Panels, Deduct	*-130.78*	
		For 15 To 29 Panels, Deduct	*-261.57*	
		For 30 To 59 Panels, Deduct	*-330.88*	
		For 60 To 99 Panels, Deduct	*-426.35*	
		For 100 To 199 Panels, Deduct	*-521.82*	
		For 200+ Panels, Deduct	*-591.14*	
09 78 23 00-0051	EA	3/16" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	3,457.61	282.45
		For 6 To 14 Panels, Deduct	*-137.57*	
		For 15 To 29 Panels, Deduct	*-275.15*	
		For 30 To 59 Panels, Deduct	*-347.83*	
		For 60 To 99 Panels, Deduct	*-448.03*	
		For 100 To 199 Panels, Deduct	*-548.23*	
		For 200+ Panels, Deduct	*-620.91*	
09 78 23 00-0052	EA	1/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	3,612.30	292.92
		For 6 To 14 Panels, Deduct	*-144.00*	
		For 15 To 29 Panels, Deduct	*-288.00*	
		For 30 To 59 Panels, Deduct	*-363.91*	
		For 60 To 99 Panels, Deduct	*-468.62*	
		For 100 To 199 Panels, Deduct	*-573.32*	
		For 200+ Panels, Deduct	*-649.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0053	EA	3/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	3,905.69	303.37
		For 6 To 14 Panels, Deduct	*-157.36*	
		For 15 To 29 Panels, Deduct	*-314.73*	
		For 30 To 59 Panels, Deduct	*-396.63*	
		For 60 To 99 Panels, Deduct	*-510.01*	
		For 100 To 199 Panels, Deduct	*-623.39*	
		For 200+ Panels, Deduct	*-705.29*	
09 78 23 00-0054	EA	1/2" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	4,201.25	313.84
		For 6 To 14 Panels, Deduct	*-170.83*	
		For 15 To 29 Panels, Deduct	*-341.67*	
		For 30 To 59 Panels, Deduct	*-429.61*	
		For 60 To 99 Panels, Deduct	*-551.73*	
		For 100 To 199 Panels, Deduct	*-673.84*	
		For 200+ Panels, Deduct	*-761.79*	
09 78 23 00-0055	EA	3/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	5,752.38	324.30
		For 6 To 14 Panels, Deduct	*-247.08*	
		For 15 To 29 Panels, Deduct	*-494.16*	
		For 30 To 59 Panels, Deduct	*-613.26*	
		For 60 To 99 Panels, Deduct	*-781.78*	
		For 100 To 199 Panels, Deduct	*-950.30*	
		For 200+ Panels, Deduct	*-1,069.40*	
09 78 23 00-0056	EA	1" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	6,692.06	334.76
		For 6 To 14 Panels, Deduct	*-292.76*	
		For 15 To 29 Panels, Deduct	*-585.52*	
		For 30 To 59 Panels, Deduct	*-723.54*	
		For 60 To 99 Panels, Deduct	*-920.12*	
		For 100 To 199 Panels, Deduct	*-1,116.70*	
		For 200+ Panels, Deduct	*-1,254.72*	
09 78 23 00-0057	EA	1/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	3,295.67	272.00
		For 6 To 14 Panels, Deduct	*-130.78*	
		For 15 To 29 Panels, Deduct	*-261.57*	
		For 30 To 59 Panels, Deduct	*-330.88*	
		For 60 To 99 Panels, Deduct	*-426.35*	
		For 100 To 199 Panels, Deduct	*-521.82*	
		For 200+ Panels, Deduct	*-591.14*	
09 78 23 00-0058	EA	3/16" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	3,457.61	282.45
		For 6 To 14 Panels, Deduct	*-137.57*	
		For 15 To 29 Panels, Deduct	*-275.15*	
		For 30 To 59 Panels, Deduct	*-347.83*	
		For 60 To 99 Panels, Deduct	*-448.03*	
		For 100 To 199 Panels, Deduct	*-548.23*	
		For 200+ Panels, Deduct	*-620.91*	
09 78 23 00-0059	EA	1/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	3,612.30	292.92
		For 6 To 14 Panels, Deduct	*-144.00*	
		For 15 To 29 Panels, Deduct	*-288.00*	
		For 30 To 59 Panels, Deduct	*-363.91*	
		For 60 To 99 Panels, Deduct	*-468.62*	
		For 100 To 199 Panels, Deduct	*-573.32*	
		For 200+ Panels, Deduct	*-649.23*	
09 78 23 00-0060	EA	3/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	3,905.69	303.37
		For 6 To 14 Panels, Deduct	*-157.36*	
		For 15 To 29 Panels, Deduct	*-314.73*	
		For 30 To 59 Panels, Deduct	*-396.63*	
		For 60 To 99 Panels, Deduct	*-510.01*	
		For 100 To 199 Panels, Deduct	*-623.39*	
		For 200+ Panels, Deduct	*-705.29*	
09 78 23 00-0061	EA	1/2" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	4,201.25	313.84
		For 6 To 14 Panels, Deduct	*-170.83*	
		For 15 To 29 Panels, Deduct	*-341.67*	
		For 30 To 59 Panels, Deduct	*-429.61*	
		For 60 To 99 Panels, Deduct	*-551.73*	
		For 100 To 199 Panels, Deduct	*-673.84*	
		For 200+ Panels, Deduct	*-761.79*	
09 78 23 00-0062	EA	3/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	5,752.38	324.30
		For 6 To 14 Panels, Deduct	*-247.08*	
		For 15 To 29 Panels, Deduct	*-494.16*	
		For 30 To 59 Panels, Deduct	*-613.26*	
		For 60 To 99 Panels, Deduct	*-781.78*	
		For 100 To 199 Panels, Deduct	*-950.30*	
		For 200+ Panels, Deduct	*-1,069.40*	
09 78 23 00-0063	EA	1" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	6,692.06	334.76
		For 6 To 14 Panels, Deduct	*-292.76*	
		For 15 To 29 Panels, Deduct	*-585.52*	
		For 30 To 59 Panels, Deduct	*-723.54*	
		For 60 To 99 Panels, Deduct	*-920.12*	
		For 100 To 199 Panels, Deduct	*-1,116.70*	
		For 200+ Panels, Deduct	*-1,254.72*	
09 78 23 00-0064	EA	1/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	4,363.87	272.00
		For 6 To 14 Panels, Deduct	*-184.19*	
		For 15 To 29 Panels, Deduct	*-368.39*	
		For 30 To 59 Panels, Deduct	*-459.07*	
		For 60 To 99 Panels, Deduct	*-586.58*	
		For 100 To 199 Panels, Deduct	*-714.10*	
		For 200+ Panels, Deduct	*-804.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0065	EA	3/16" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	4,525.09	282.45
		For 6 To 14 Panels, Deduct	*-190.95*	
		For 15 To 29 Panels, Deduct	*-381.90*	
		For 30 To 59 Panels, Deduct	*-475.93*	
		For 60 To 99 Panels, Deduct	*-608.15*	
		For 100 To 199 Panels, Deduct	*-740.37*	
		For 200+ Panels, Deduct	*-834.41*	
09 78 23 00-0066	EA	1/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	4,679.06	292.92
		For 6 To 14 Panels, Deduct	*-197.34*	
		For 15 To 29 Panels, Deduct	*-394.68*	
		For 30 To 59 Panels, Deduct	*-491.92*	
		For 60 To 99 Panels, Deduct	*-628.63*	
		For 100 To 199 Panels, Deduct	*-765.34*	
		For 200+ Panels, Deduct	*-862.58*	
09 78 23 00-0067	EA	3/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	4,973.89	303.37
		For 6 To 14 Panels, Deduct	*-210.77*	
		For 15 To 29 Panels, Deduct	*-421.55*	
		For 30 To 59 Panels, Deduct	*-524.82*	
		For 60 To 99 Panels, Deduct	*-670.24*	
		For 100 To 199 Panels, Deduct	*-815.66*	
		For 200+ Panels, Deduct	*-918.93*	
09 78 23 00-0068	EA	1/2" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	5,268.73	313.84
		For 6 To 14 Panels, Deduct	*-224.21*	
		For 15 To 29 Panels, Deduct	*-448.41*	
		For 30 To 59 Panels, Deduct	*-557.71*	
		For 60 To 99 Panels, Deduct	*-711.85*	
		For 100 To 199 Panels, Deduct	*-865.99*	
		For 200+ Panels, Deduct	*-975.29*	
09 78 23 00-0069	EA	3/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	7,086.36	324.30
		For 6 To 14 Panels, Deduct	*-313.78*	
		For 15 To 29 Panels, Deduct	*-627.56*	
		For 30 To 59 Panels, Deduct	*-773.34*	
		For 60 To 99 Panels, Deduct	*-981.88*	
		For 100 To 199 Panels, Deduct	*-1,190.42*	
		For 200+ Panels, Deduct	*-1,336.20*	
09 78 23 00-0070	EA	1" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	8,079.05	334.76
		For 6 To 14 Panels, Deduct	*-362.11*	
		For 15 To 29 Panels, Deduct	*-724.22*	
		For 30 To 59 Panels, Deduct	*-889.98*	
		For 60 To 99 Panels, Deduct	*-1,128.17*	
		For 100 To 199 Panels, Deduct	*-1,366.35*	
		For 200+ Panels, Deduct	*-1,532.12*	
09 78 23 00-0071	EA	1/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	2,806.95	272.00
		For 6 To 14 Panels, Deduct	*-106.35*	
		For 15 To 29 Panels, Deduct	*-212.70*	
		For 30 To 59 Panels, Deduct	*-272.24*	
		For 60 To 99 Panels, Deduct	*-353.04*	
		For 100 To 199 Panels, Deduct	*-433.85*	
		For 200+ Panels, Deduct	*-493.39*	
09 78 23 00-0072	EA	3/16" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	2,970.35	282.45
		For 6 To 14 Panels, Deduct	*-113.21*	
		For 15 To 29 Panels, Deduct	*-226.42*	
		For 30 To 59 Panels, Deduct	*-289.36*	
		For 60 To 99 Panels, Deduct	*-374.94*	
		For 100 To 199 Panels, Deduct	*-460.52*	
		For 200+ Panels, Deduct	*-523.46*	
09 78 23 00-0073	EA	1/4" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	3,123.59	292.92
		For 6 To 14 Panels, Deduct	*-119.57*	
		For 15 To 29 Panels, Deduct	*-239.13*	
		For 30 To 59 Panels, Deduct	*-305.26*	
		For 60 To 99 Panels, Deduct	*-395.31*	
		For 100 To 199 Panels, Deduct	*-485.36*	
		For 200+ Panels, Deduct	*-551.49*	
09 78 23 00-0074	EA	3/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	3,418.42	303.37
		For 6 To 14 Panels, Deduct	*-133.00*	
		For 15 To 29 Panels, Deduct	*-266.00*	
		For 30 To 59 Panels, Deduct	*-338.16*	
		For 60 To 99 Panels, Deduct	*-436.92*	
		For 100 To 199 Panels, Deduct	*-535.68*	
		For 200+ Panels, Deduct	*-607.84*	
09 78 23 00-0075	EA	1/2" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	4,293.29	313.84
		For 6 To 14 Panels, Deduct	*-175.44*	
		For 15 To 29 Panels, Deduct	*-350.87*	
		For 30 To 59 Panels, Deduct	*-440.66*	
		For 60 To 99 Panels, Deduct	*-565.53*	
		For 100 To 199 Panels, Deduct	*-690.41*	
		For 200+ Panels, Deduct	*-780.20*	
09 78 23 00-0076	EA	3/4" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	5,662.33	324.30
		For 6 To 14 Panels, Deduct	*-242.58*	
		For 15 To 29 Panels, Deduct	*-485.16*	
		For 30 To 59 Panels, Deduct	*-602.46*	
		For 60 To 99 Panels, Deduct	*-768.27*	
		For 100 To 199 Panels, Deduct	*-934.09*	
		For 200+ Panels, Deduct	*-1,051.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0077	EA	1" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	6,859.80	334.76
		For 6 To 14 Panels, Deduct	*-301.15*	
		For 15 To 29 Panels, Deduct	*-602.29*	
		For 30 To 59 Panels, Deduct	*-743.67*	
		For 60 To 99 Panels, Deduct	*-945.28*	
		For 100 To 199 Panels, Deduct	*-1,146.89*	
		For 200+ Panels, Deduct	*-1,288.27*	
09 78 23 00-0078	EA	3/8" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	6,749.76	303.37
		For 6 To 14 Panels, Deduct	*-299.57*	
		For 15 To 29 Panels, Deduct	*-599.13*	
		For 30 To 59 Panels, Deduct	*-737.92*	
		For 60 To 99 Panels, Deduct	*-936.62*	
		For 100 To 199 Panels, Deduct	*-1,135.32*	
		For 200+ Panels, Deduct	*-1,274.11*	
09 78 23 00-0079	EA	1/2" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	6,696.39	313.84
		For 6 To 14 Panels, Deduct	*-295.59*	
		For 15 To 29 Panels, Deduct	*-591.18*	
		For 30 To 59 Panels, Deduct	*-729.03*	
		For 60 To 99 Panels, Deduct	*-926.00*	
		For 100 To 199 Panels, Deduct	*-1,122.97*	
		For 200+ Panels, Deduct	*-1,260.82*	
09 78 23 00-0080	EA	3/4" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	7,543.13	324.30
		For 6 To 14 Panels, Deduct	*-336.62*	
		For 15 To 29 Panels, Deduct	*-673.24*	
		For 30 To 59 Panels, Deduct	*-828.15*	
		For 60 To 99 Panels, Deduct	*-1,050.39*	
		For 100 To 199 Panels, Deduct	*-1,272.63*	
		For 200+ Panels, Deduct	*-1,427.55*	
09 78 23 00-0081	EA	1" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	8,390.58	334.76
		For 6 To 14 Panels, Deduct	*-377.68*	
		For 15 To 29 Panels, Deduct	*-755.37*	
		For 30 To 59 Panels, Deduct	*-927.36*	
		For 60 To 99 Panels, Deduct	*-1,174.90*	
		For 100 To 199 Panels, Deduct	*-1,422.43*	
		For 200+ Panels, Deduct	*-1,594.43*	
09 78 23 00-0082	EA	3/8" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	6,576.88	303.37
		For 6 To 14 Panels, Deduct	*-290.92*	
		For 15 To 29 Panels, Deduct	*-581.84*	
		For 30 To 59 Panels, Deduct	*-717.17*	
		For 60 To 99 Panels, Deduct	*-910.69*	
		For 100 To 199 Panels, Deduct	*-1,104.20*	
		For 200+ Panels, Deduct	*-1,239.53*	
09 78 23 00-0083	EA	1/2" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	6,931.99	313.84
		For 6 To 14 Panels, Deduct	*-307.37*	
		For 15 To 29 Panels, Deduct	*-614.74*	
		For 30 To 59 Panels, Deduct	*-757.30*	
		For 60 To 99 Panels, Deduct	*-961.34*	
		For 100 To 199 Panels, Deduct	*-1,165.38*	
		For 200+ Panels, Deduct	*-1,307.94*	
09 78 23 00-0084	EA	3/4" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	7,778.73	324.30
		For 6 To 14 Panels, Deduct	*-348.40*	
		For 15 To 29 Panels, Deduct	*-696.80*	
		For 30 To 59 Panels, Deduct	*-856.43*	
		For 60 To 99 Panels, Deduct	*-1,085.73*	
		For 100 To 199 Panels, Deduct	*-1,315.04*	
		For 200+ Panels, Deduct	*-1,474.67*	
09 78 23 00-0085	EA	1" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	8,626.18	334.76
		For 6 To 14 Panels, Deduct	*-389.46*	
		For 15 To 29 Panels, Deduct	*-778.93*	
		For 30 To 59 Panels, Deduct	*-955.64*	
		For 60 To 99 Panels, Deduct	*-1,210.24*	
		For 100 To 199 Panels, Deduct	*-1,464.84*	
		For 200+ Panels, Deduct	*-1,641.55*	

09 78 23 00-0086 4' x 8' Varia Ecoresin Options *(09 78 23 00-0002)*

09 78 23 00-0087	EA	Varia Ecoresin XT (UV Protection) For 4' x 8' Panels, Both Sides Note: 1/8" is the minimum gauge when using UV	269.98
09 78 23 00-0088	EA	Premium Colors For 4' x 8' Panels, Per Layer Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver	282.23
09 78 23 00-0089	EA	Vision Plus Finish For 4' x 8' Panels, Per Side	618.48
09 78 23 00-0090	EA	Premium Finish For 4' x 8' Panels, Per Side Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost	309.24
09 78 23 00-0091	EA	Adding Woven/C3 To Non-Organic/Non-Play For 4' x 8' Panels, Per Additional Layer	85.89
09 78 23 00-0092	EA	Adding Woven/C3 To Organic/Play For 4' x 8' Panels, Per Additional Layer	294.51
09 78 23 00-0093	EA	Adding 4th Or 5th Layer Of C3 For 4' x 8' Panels Note: pays for both 4th and 5th layer	245.42
09 78 23 00-0094	SF	C3 Centered For 4' x 8' Panels, Additional Per SF Note: Add to Price Group B, only 1/2" and below	3.56
09 78 23 00-0095	EA	Custom Screen Prints One Time Set-up Charge For 4' x 8' Panels Note: Per color/pattern - add Price Group B for each sheet	1,840.70
09 78 23 00-0096	SF	HighRes Imagery Or Graphic Mirror 1 To 5 sheets For 4' x 8' Panels, Additional Per SF	52.94
09 78 23 00-0097	SF	HighRes Imagery Or Graphic Mirror >5 to 14 Sheets For 4' x 8' Panels, Additional Per SF	52.01
09 78 23 00-0098	SF	HighRes Imagery or Graphic Mirror >14 Sheets For 4' x 8' Panels, Additional Per SF	50.76
09 78 23 00-0099	EA	Custom Color Fossil Leaf For 4' x 8' Panels, Additional Per Sheet Note: Adds additional 3 weeks to lead time	113.46

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0100		4' x 10' Varia Ecoresin Panels And Accessories *(09 78 23 00-0001)*		
09 78 23 00-0101		4' x 10' Varia Ecoresin Panels *(09 78 23 00-0100)*		
09 78 23 00-0102	EA	1/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel	1,699.52	261.53
		For 6 To 14 Panels, Deduct	*-52.28*	
		For 15 To 29 Panels, Deduct	*-104.57*	
		For 30 To 59 Panels, Deduct	*-141.83*	
		For 60 To 99 Panels, Deduct	*-189.55*	
		For 100 To 199 Panels, Deduct	*-237.26*	
		For 200+ Panels, Deduct	*-274.52*	
09 78 23 00-0103	EA	1/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel	2,076.05	272.00
		For 6 To 14 Panels, Deduct	*-69.80*	
		For 15 To 29 Panels, Deduct	*-139.61*	
		For 30 To 59 Panels, Deduct	*-184.53*	
		For 60 To 99 Panels, Deduct	*-243.41*	
		For 100 To 199 Panels, Deduct	*-302.29*	
		For 200+ Panels, Deduct	*-347.21*	
09 78 23 00-0104	EA	3/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel	2,453.49	282.45
		For 6 To 14 Panels, Deduct	*-87.37*	
		For 15 To 29 Panels, Deduct	*-174.74*	
		For 30 To 59 Panels, Deduct	*-227.34*	
		For 60 To 99 Panels, Deduct	*-297.41*	
		For 100 To 199 Panels, Deduct	*-367.48*	
		For 200+ Panels, Deduct	*-420.09*	
09 78 23 00-0105	EA	1/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel	2,654.84	292.92
		For 6 To 14 Panels, Deduct	*-96.13*	
		For 15 To 29 Panels, Deduct	*-192.26*	
		For 30 To 59 Panels, Deduct	*-249.01*	
		For 60 To 99 Panels, Deduct	*-325.00*	
		For 100 To 199 Panels, Deduct	*-400.98*	
		For 200+ Panels, Deduct	*-457.74*	
09 78 23 00-0106	EA	3/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel	3,480.69	303.37
		For 6 To 14 Panels, Deduct	*-136.11*	
		For 15 To 29 Panels, Deduct	*-272.23*	
		For 30 To 59 Panels, Deduct	*-345.63*	
		For 60 To 99 Panels, Deduct	*-446.26*	
		For 100 To 199 Panels, Deduct	*-546.89*	
		For 200+ Panels, Deduct	*-620.29*	
09 78 23 00-0107	EA	1/2" Thick, Group A, 4' x 10' Varia Ecoresin Panel	4,209.42	313.84
		For 6 To 14 Panels, Deduct	*-171.24*	
		For 15 To 29 Panels, Deduct	*-342.48*	
		For 30 To 59 Panels, Deduct	*-430.59*	
		For 60 To 99 Panels, Deduct	*-552.95*	
		For 100 To 199 Panels, Deduct	*-675.31*	
		For 200+ Panels, Deduct	*-763.43*	
09 78 23 00-0108	EA	3/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel	6,518.49	324.30
		For 6 To 14 Panels, Deduct	*-285.39*	
		For 15 To 29 Panels, Deduct	*-570.77*	
		For 30 To 59 Panels, Deduct	*-705.20*	
		For 60 To 99 Panels, Deduct	*-896.70*	
		For 100 To 199 Panels, Deduct	*-1,088.20*	
		For 200+ Panels, Deduct	*-1,222.62*	
09 78 23 00-0109	EA	1" Thick, Group A, 4' x 10' Varia Ecoresin Panel	7,819.08	334.76
		For 6 To 14 Panels, Deduct	*-349.11*	
		For 15 To 29 Panels, Deduct	*-698.22*	
		For 30 To 59 Panels, Deduct	*-858.78*	
		For 60 To 99 Panels, Deduct	*-1,089.17*	
		For 100 To 199 Panels, Deduct	*-1,319.56*	
		For 200+ Panels, Deduct	*-1,480.13*	
09 78 23 00-0110	EA	1/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel	2,011.78	261.53
		For 6 To 14 Panels, Deduct	*-67.90*	
		For 15 To 29 Panels, Deduct	*-135.80*	
		For 30 To 59 Panels, Deduct	*-179.30*	
		For 60 To 99 Panels, Deduct	*-236.38*	
		For 100 To 199 Panels, Deduct	*-293.47*	
		For 200+ Panels, Deduct	*-336.97*	
09 78 23 00-0111	EA	1/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel	2,378.32	272.00
		For 6 To 14 Panels, Deduct	*-84.92*	
		For 15 To 29 Panels, Deduct	*-169.83*	
		For 30 To 59 Panels, Deduct	*-220.80*	
		For 60 To 99 Panels, Deduct	*-288.75*	
		For 100 To 199 Panels, Deduct	*-356.70*	
		For 200+ Panels, Deduct	*-407.67*	
09 78 23 00-0112	EA	3/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel	2,746.68	282.45
		For 6 To 14 Panels, Deduct	*-102.03*	
		For 15 To 29 Panels, Deduct	*-204.06*	
		For 30 To 59 Panels, Deduct	*-262.52*	
		For 60 To 99 Panels, Deduct	*-341.39*	
		For 100 To 199 Panels, Deduct	*-420.26*	
		For 200+ Panels, Deduct	*-478.72*	
09 78 23 00-0113	EA	1/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel	3,037.90	292.92
		For 6 To 14 Panels, Deduct	*-115.28*	
		For 15 To 29 Panels, Deduct	*-230.56*	
		For 30 To 59 Panels, Deduct	*-294.98*	
		For 60 To 99 Panels, Deduct	*-382.46*	
		For 100 To 199 Panels, Deduct	*-469.93*	
		For 200+ Panels, Deduct	*-534.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0114	EA	3/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel	3,790.22	303.37
		For 6 To 14 Panels, Deduct	*-151.59*	
		For 15 To 29 Panels, Deduct	*-303.18*	
		For 30 To 59 Panels, Deduct	*-382.77*	
		For 60 To 99 Panels, Deduct	*-492.69*	
		For 100 To 199 Panels, Deduct	*-602.60*	
		For 200+ Panels, Deduct	*-682.20*	
09 78 23 00-0115	EA	1/2" Thick, Group B, 4' x 10' Varia Ecoresin Panel	4,626.97	313.84
		For 6 To 14 Panels, Deduct	*-192.12*	
		For 15 To 29 Panels, Deduct	*-384.24*	
		For 30 To 59 Panels, Deduct	*-480.70*	
		For 60 To 99 Panels, Deduct	*-615.59*	
		For 100 To 199 Panels, Deduct	*-750.47*	
		For 200+ Panels, Deduct	*-846.94*	
09 78 23 00-0116	EA	3/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel	6,744.52	324.30
		For 6 To 14 Panels, Deduct	*-296.69*	
		For 15 To 29 Panels, Deduct	*-593.38*	
		For 30 To 59 Panels, Deduct	*-732.32*	
		For 60 To 99 Panels, Deduct	*-930.60*	
		For 100 To 199 Panels, Deduct	*-1,128.88*	
		For 200+ Panels, Deduct	*-1,267.83*	
09 78 23 00-0117	EA	1" Thick, Group B, 4' x 10' Varia Ecoresin Panel	8,095.03	334.76
		For 6 To 14 Panels, Deduct	*-362.91*	
		For 15 To 29 Panels, Deduct	*-725.81*	
		For 30 To 59 Panels, Deduct	*-891.90*	
		For 60 To 99 Panels, Deduct	*-1,130.56*	
		For 100 To 199 Panels, Deduct	*-1,369.23*	
		For 200+ Panels, Deduct	*-1,535.32*	
09 78 23 00-0118	EA	1/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel	2,401.19	261.53
		For 6 To 14 Panels, Deduct	*-87.37*	
		For 15 To 29 Panels, Deduct	*-174.74*	
		For 30 To 59 Panels, Deduct	*-226.03*	
		For 60 To 99 Panels, Deduct	*-294.80*	
		For 100 To 199 Panels, Deduct	*-363.56*	
		For 200+ Panels, Deduct	*-414.86*	
09 78 23 00-0119	EA	1/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel	2,876.66	272.00
		For 6 To 14 Panels, Deduct	*-109.83*	
		For 15 To 29 Panels, Deduct	*-219.67*	
		For 30 To 59 Panels, Deduct	*-280.60*	
		For 60 To 99 Panels, Deduct	*-363.50*	
		For 100 To 199 Panels, Deduct	*-446.40*	
		For 200+ Panels, Deduct	*-507.33*	
09 78 23 00-0120	EA	3/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel	3,209.62	282.45
		For 6 To 14 Panels, Deduct	*-125.17*	
		For 15 To 29 Panels, Deduct	*-250.35*	
		For 30 To 59 Panels, Deduct	*-318.07*	
		For 60 To 99 Panels, Deduct	*-410.83*	
		For 100 To 199 Panels, Deduct	*-503.59*	
		For 200+ Panels, Deduct	*-571.31*	
09 78 23 00-0121	EA	1/4" Thick, Group C, 4' x 10' Varia Ecoresin Panel	3,499.02	292.92
		For 6 To 14 Panels, Deduct	*-138.34*	
		For 15 To 29 Panels, Deduct	*-276.67*	
		For 30 To 59 Panels, Deduct	*-350.31*	
		For 60 To 99 Panels, Deduct	*-451.62*	
		For 100 To 199 Panels, Deduct	*-552.93*	
		For 200+ Panels, Deduct	*-626.58*	
09 78 23 00-0122	EA	3/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel	4,183.27	303.37
		For 6 To 14 Panels, Deduct	*-171.24*	
		For 15 To 29 Panels, Deduct	*-342.48*	
		For 30 To 59 Panels, Deduct	*-429.94*	
		For 60 To 99 Panels, Deduct	*-551.65*	
		For 100 To 199 Panels, Deduct	*-673.35*	
		For 200+ Panels, Deduct	*-760.81*	
09 78 23 00-0123	EA	1/2" Thick, Group C, 4' x 10' Varia Ecoresin Panel	5,133.48	313.84
		For 6 To 14 Panels, Deduct	*-217.44*	
		For 15 To 29 Panels, Deduct	*-434.89*	
		For 30 To 59 Panels, Deduct	*-541.48*	
		For 60 To 99 Panels, Deduct	*-691.56*	
		For 100 To 199 Panels, Deduct	*-841.64*	
		For 200+ Panels, Deduct	*-948.24*	
09 78 23 00-0124	EA	3/4" Thick, Group C, 4' x 10' Varia Ecoresin Panel	7,310.03	324.30
		For 6 To 14 Panels, Deduct	*-324.96*	
		For 15 To 29 Panels, Deduct	*-649.93*	
		For 30 To 59 Panels, Deduct	*-800.18*	
		For 60 To 99 Panels, Deduct	*-1,015.43*	
		For 100 To 199 Panels, Deduct	*-1,230.68*	
		For 200+ Panels, Deduct	*-1,380.93*	
09 78 23 00-0125	EA	1" Thick, Group C, 4' x 10' Varia Ecoresin Panel	8,610.61	334.76
		For 6 To 14 Panels, Deduct	*-388.69*	
		For 15 To 29 Panels, Deduct	*-777.37*	
		For 30 To 59 Panels, Deduct	*-953.77*	
		For 60 To 99 Panels, Deduct	*-1,207.90*	
		For 100 To 199 Panels, Deduct	*-1,462.04*	
		For 200+ Panels, Deduct	*-1,638.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0126	EA	1/16" Thick, Group D, 4' x 10' Varia Ecoresin Panel	2,656.26	261.53
		For 6 To 14 Panels, Deduct	*-100.12*	
		For 15 To 29 Panels, Deduct	*-200.24*	
		For 30 To 59 Panels, Deduct	*-256.64*	
		For 60 To 99 Panels, Deduct	*-333.06*	
		For 100 To 199 Panels, Deduct	*-409.47*	
		For 200+ Panels, Deduct	*-465.87*	
09 78 23 00-0127	EA	1/8" Thick, Group D, 4' x 10' Varia Ecoresin Panel	3,072.73	272.00
		For 6 To 14 Panels, Deduct	*-119.64*	
		For 15 To 29 Panels, Deduct	*-239.28*	
		For 30 To 59 Panels, Deduct	*-304.13*	
		For 60 To 99 Panels, Deduct	*-392.91*	
		For 100 To 199 Panels, Deduct	*-481.69*	
		For 200+ Panels, Deduct	*-546.55*	
09 78 23 00-0128	EA	3/16" Thick, Group D, 4' x 10' Varia Ecoresin Panel	3,473.77	282.45
		For 6 To 14 Panels, Deduct	*-138.38*	
		For 15 To 29 Panels, Deduct	*-276.76*	
		For 30 To 59 Panels, Deduct	*-349.77*	
		For 60 To 99 Panels, Deduct	*-450.45*	
		For 100 To 199 Panels, Deduct	*-551.13*	
		For 200+ Panels, Deduct	*-624.14*	
09 78 23 00-0129	EA	1/4" Thick, Group D, 4' x 10' Varia Ecoresin Panel	3,995.54	292.92
		For 6 To 14 Panels, Deduct	*-163.16*	
		For 15 To 29 Panels, Deduct	*-326.33*	
		For 30 To 59 Panels, Deduct	*-409.90*	
		For 60 To 99 Panels, Deduct	*-526.10*	
		For 100 To 199 Panels, Deduct	*-642.31*	
		For 200+ Panels, Deduct	*-725.88*	
09 78 23 00-0130	EA	3/8" Thick, Group D, 4' x 10' Varia Ecoresin Panel	4,543.63	303.37
		For 6 To 14 Panels, Deduct	*-189.26*	
		For 15 To 29 Panels, Deduct	*-378.52*	
		For 30 To 59 Panels, Deduct	*-473.18*	
		For 60 To 99 Panels, Deduct	*-605.70*	
		For 100 To 199 Panels, Deduct	*-738.22*	
		For 200+ Panels, Deduct	*-832.88*	
09 78 23 00-0131	EA	1/2" Thick, Group D, 4' x 10' Varia Ecoresin Panel	5,614.57	313.84
		For 6 To 14 Panels, Deduct	*-241.50*	
		For 15 To 29 Panels, Deduct	*-483.00*	
		For 30 To 59 Panels, Deduct	*-599.21*	
		For 60 To 99 Panels, Deduct	*-763.73*	
		For 100 To 199 Panels, Deduct	*-928.24*	
		For 200+ Panels, Deduct	*-1,044.46*	
09 78 23 00-0132	EA	3/4" Thick, Group D, 4' x 10' Varia Ecoresin Panel	7,728.48	324.30
		For 6 To 14 Panels, Deduct	*-345.89*	
		For 15 To 29 Panels, Deduct	*-691.77*	
		For 30 To 59 Panels, Deduct	*-850.40*	
		For 60 To 99 Panels, Deduct	*-1,078.20*	
		For 100 To 199 Panels, Deduct	*-1,306.00*	
		For 200+ Panels, Deduct	*-1,464.62*	
09 78 23 00-0133	EA	1" Thick, Group D, 4' x 10' Varia Ecoresin Panel	9,494.73	334.76
		For 6 To 14 Panels, Deduct	*-432.89*	
		For 15 To 29 Panels, Deduct	*-865.78*	
		For 30 To 59 Panels, Deduct	*-1,059.86*	
		For 60 To 99 Panels, Deduct	*-1,340.52*	
		For 100 To 199 Panels, Deduct	*-1,621.18*	
		For 200+ Panels, Deduct	*-1,815.26*	
09 78 23 00-0134	EA	1/8" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	3,737.18	272.00
		For 6 To 14 Panels, Deduct	*-152.86*	
		For 15 To 29 Panels, Deduct	*-305.72*	
		For 30 To 59 Panels, Deduct	*-383.86*	
		For 60 To 99 Panels, Deduct	*-492.58*	
		For 100 To 199 Panels, Deduct	*-601.29*	
		For 200+ Panels, Deduct	*-679.44*	
09 78 23 00-0135	EA	3/16" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	3,961.21	282.45
		For 6 To 14 Panels, Deduct	*-162.75*	
		For 15 To 29 Panels, Deduct	*-325.51*	
		For 30 To 59 Panels, Deduct	*-408.26*	
		For 60 To 99 Panels, Deduct	*-523.57*	
		For 100 To 199 Panels, Deduct	*-638.87*	
		For 200+ Panels, Deduct	*-721.63*	
09 78 23 00-0136	EA	1/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	4,169.83	292.92
		For 6 To 14 Panels, Deduct	*-171.88*	
		For 15 To 29 Panels, Deduct	*-343.75*	
		For 30 To 59 Panels, Deduct	*-430.81*	
		For 60 To 99 Panels, Deduct	*-552.25*	
		For 100 To 199 Panels, Deduct	*-673.68*	
		For 200+ Panels, Deduct	*-760.74*	
09 78 23 00-0137	EA	3/8" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	4,581.76	303.37
		For 6 To 14 Panels, Deduct	*-191.17*	
		For 15 To 29 Panels, Deduct	*-382.33*	
		For 30 To 59 Panels, Deduct	*-477.76*	
		For 60 To 99 Panels, Deduct	*-611.42*	
		For 100 To 199 Panels, Deduct	*-745.08*	
		For 200+ Panels, Deduct	*-840.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0138	EA	1/2" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	5,835.14	313.84
		For 6 To 14 Panels, Deduct	*-252.53*	
		For 15 To 29 Panels, Deduct	*-505.06*	
		For 30 To 59 Panels, Deduct	*-625.68*	
		For 60 To 99 Panels, Deduct	*-796.81*	
		For 100 To 199 Panels, Deduct	*-967.94*	
		For 200+ Panels, Deduct	*-1,088.57*	
09 78 23 00-0139	EA	3/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	7,784.76	324.30
		For 6 To 14 Panels, Deduct	*-348.70*	
		For 15 To 29 Panels, Deduct	*-697.40*	
		For 30 To 59 Panels, Deduct	*-857.15*	
		For 60 To 99 Panels, Deduct	*-1,086.64*	
		For 100 To 199 Panels, Deduct	*-1,316.13*	
		For 200+ Panels, Deduct	*-1,475.88*	
09 78 23 00-0140	EA	1" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	9,494.73	334.76
		For 6 To 14 Panels, Deduct	*-432.89*	
		For 15 To 29 Panels, Deduct	*-865.78*	
		For 30 To 59 Panels, Deduct	*-1,059.86*	
		For 60 To 99 Panels, Deduct	*-1,340.52*	
		For 100 To 199 Panels, Deduct	*-1,621.18*	
		For 200+ Panels, Deduct	*-1,815.26*	
09 78 23 00-0141	EA	3/8" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	8,783.59	303.37
		For 6 To 14 Panels, Deduct	*-401.26*	
		For 15 To 29 Panels, Deduct	*-802.52*	
		For 30 To 59 Panels, Deduct	*-981.98*	
		For 60 To 99 Panels, Deduct	*-1,241.69*	
		For 100 To 199 Panels, Deduct	*-1,501.41*	
		For 200+ Panels, Deduct	*-1,680.87*	
09 78 23 00-0142	EA	1/2" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	9,282.66	313.84
		For 6 To 14 Panels, Deduct	*-424.90*	
		For 15 To 29 Panels, Deduct	*-849.81*	
		For 30 To 59 Panels, Deduct	*-1,039.38*	
		For 60 To 99 Panels, Deduct	*-1,313.94*	
		For 100 To 199 Panels, Deduct	*-1,588.50*	
		For 200+ Panels, Deduct	*-1,778.07*	
09 78 23 00-0143	EA	3/4" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	10,488.86	324.30
		For 6 To 14 Panels, Deduct	*-483.91*	
		For 15 To 29 Panels, Deduct	*-967.81*	
		For 30 To 59 Panels, Deduct	*-1,181.64*	
		For 60 To 99 Panels, Deduct	*-1,492.25*	
		For 100 To 199 Panels, Deduct	*-1,802.87*	
		For 200+ Panels, Deduct	*-2,016.70*	
09 78 23 00-0144	EA	1" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	11,695.05	334.76
		For 6 To 14 Panels, Deduct	*-542.91*	
		For 15 To 29 Panels, Deduct	*-1,085.82*	
		For 30 To 59 Panels, Deduct	*-1,323.90*	
		For 60 To 99 Panels, Deduct	*-1,670.57*	
		For 100 To 199 Panels, Deduct	*-2,017.23*	
		For 200+ Panels, Deduct	*-2,255.32*	
09 78 23 00-0145	EA	3/8" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	9,122.17	303.37
		For 6 To 14 Panels, Deduct	*-418.19*	
		For 15 To 29 Panels, Deduct	*-836.37*	
		For 30 To 59 Panels, Deduct	*-1,022.61*	
		For 60 To 99 Panels, Deduct	*-1,292.48*	
		For 100 To 199 Panels, Deduct	*-1,562.35*	
		For 200+ Panels, Deduct	*-1,748.59*	
09 78 23 00-0146	EA	1/2" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	9,621.24	313.84
		For 6 To 14 Panels, Deduct	*-441.83*	
		For 15 To 29 Panels, Deduct	*-883.67*	
		For 30 To 59 Panels, Deduct	*-1,080.01*	
		For 60 To 99 Panels, Deduct	*-1,364.73*	
		For 100 To 199 Panels, Deduct	*-1,649.44*	
		For 200+ Panels, Deduct	*-1,845.79*	
09 78 23 00-0147	EA	3/4" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	10,827.44	324.30
		For 6 To 14 Panels, Deduct	*-500.83*	
		For 15 To 29 Panels, Deduct	*-1,001.67*	
		For 30 To 59 Panels, Deduct	*-1,222.27*	
		For 60 To 99 Panels, Deduct	*-1,543.04*	
		For 100 To 199 Panels, Deduct	*-1,863.81*	
		For 200+ Panels, Deduct	*-2,084.41*	
09 78 23 00-0148	EA	1" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	12,033.63	334.76
		For 6 To 14 Panels, Deduct	*-559.84*	
		For 15 To 29 Panels, Deduct	*-1,119.67*	
		For 30 To 59 Panels, Deduct	*-1,364.53*	
		For 60 To 99 Panels, Deduct	*-1,721.35*	
		For 100 To 199 Panels, Deduct	*-2,078.18*	
		For 200+ Panels, Deduct	*-2,323.04*	

09 78 23 00-0149 4' x 10' Varia Ecoresin Options *(09 78 23 00-0100)*

09 78 23 00-0150	EA	Varia Ecoresin XT (UV Protection) For 4' x 10' Panels, Both Sides Note: 1/8" is the minimum gauge when using UV	388.12
09 78 23 00-0151	EA	Premium Colors For 4' x 10' Panels, Per Layer Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver	405.73
09 78 23 00-0152	EA	Vision Plus Finish For 4' x 10' Panels, Per Side	889.07
09 78 23 00-0153	EA	Premium Finish For 4' x 10' Panels, Per Side Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost	444.53
09 78 23 00-0154	EA	Adding Woven/C3 To Non-Organic/Non-Play For 4' x 10' Panels, Per Additional Layer	123.47
09 78 23 00-0155	EA	Adding Woven/C3 To Organic/Play For 4' x 10' Panels, Per Additional Layer	423.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0156	EA	Adding 4th Or 5th Layer of C3 For 4' x 10' Panels Note: pays for both 4th and 5th layer	352.79	
09 78 23 00-0157	SF	C3 Centered For 4' x 10' Panels, Additional Per SF Note: Add to Price Group B, only 1/2" and below	4.11	
09 78 23 00-0158	EA	Custom Screen Prints One Time Set-up Charge For 4' x 10' Panels Note: Per color/pattern - add Price Group B for each sheet	2,646.00	
09 78 23 00-0159	SF	HighRes Imagery Or Graphic Mirror Up To 5 Sheets For 4' x 10' Panels, Additional Per SF	60.89	
09 78 23 00-0160	SF	HighRes Imagery Or Graphic Mirror >5 To 14 Sheets For 4' x 10' Panels, Additional Per SF	59.82	
09 78 23 00-0161	SF	HighRes Imagery Or Graphic Mirror >14 Sheets For 4' x 10' Panels, Additional Per SF	58.39	
09 78 23 00-0162	EA	Custom Color Fossil Leaf For 4' x 10' Panels, Additional Per Sheet Note: Adds additional 3 weeks to lead time	130.48	
09 78 23 00-0163		**Varia Ecoresin Panels Cutting, Seaming And Edge Finishes** *(09 78 23 00-0001)*		
09 78 23 00-0164		**Cutting** *(09 78 23 00-0163)*		
09 78 23 00-0165		**Saw Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0166	LF	Saw Cutting On <1/2" Thick Panels	1.52	
09 78 23 00-0167	LF	Saw Cutting On 1/2" Thick Panels	1.91	
09 78 23 00-0168	LF	Saw Cutting On >1/2" Thick Panels	3.05	
09 78 23 00-0169		**CNC Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0170	HR	CNC Cutting Programming	161.57	
09 78 23 00-0171	HR	CNC Cutting Modeling	237.82	
09 78 23 00-0172	EA	CNC Cutting Set-up Per Order	163.39	
09 78 23 00-0173	EA	CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	237.82	
09 78 23 00-0174	EA	CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	286.84	
09 78 23 00-0175	EA	CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	381.24	
09 78 23 00-0176	EA	CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	190.62	
09 78 23 00-0177	EA	CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	237.82	
09 78 23 00-0178	EA	CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	334.04	
09 78 23 00-0179	EA	CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	161.57	
09 78 23 00-0180	EA	CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	210.59	
09 78 23 00-0181	EA	CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	286.84	
09 78 23 00-0182	EA	CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42	
09 78 23 00-0183	EA	CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42	
09 78 23 00-0184	EA	CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42	
09 78 23 00-0185	EA	CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04	
09 78 23 00-0186	EA	CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	381.24	
09 78 23 00-0187	EA	CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	477.46	
09 78 23 00-0188	EA	CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	286.84	
09 78 23 00-0189	EA	CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04	
09 78 23 00-0190	EA	CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	381.24	
09 78 23 00-0191	EA	CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	248.72	
09 78 23 00-0192	EA	CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	314.07	
09 78 23 00-0193	EA	CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04	
09 78 23 00-0194	EA	CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0195	EA	CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0196	EA	CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0197		**Laser Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0198	EA	Laser Cutting Set-up On 4' x 8' Panels Per Order Note: Polished Cut Edge	192.44	
09 78 23 00-0199	EA	Laser Cutting Set-up On 4' x 10' Panels Per Order Note: Polished Cut Edge	288.66	
09 78 23 00-0200	SF	Laser Cutting	19.06	
09 78 23 00-0201	EA	Minimum Laser Cutting Fee On 4' x 8' Panels Per Order	381.24	
09 78 23 00-0202	EA	Minimum Laser Cutting Fee On 4' x 10' Panels Per Order	477.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0203		**Water Jet Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0204	EA	Water Jet Cutting Set-up On 4' x 8' Panels Per Order	172.47	
09 78 23 00-0205	EA	Water Jet Cutting Set-up On 4' x 10' Panels Per Order	230.56	
09 78 23 00-0206	LF	Water Jet Cutting 1-150 LF On <1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0207	LF	Water Jet Cutting 1-150 LF On 1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0208	LF	Water Jet Cutting 1-150 LF On >1/2" Thick Panels Note: C3 and HighRes Only	29.05	
09 78 23 00-0209	LF	Water Jet Cutting 151-300 LF On <1/2" Thick Panels Note: C3 and HighRes Only	23.60	
09 78 23 00-0210	LF	Water Jet Cutting 151-300 LF On 1/2" Thick Panels Note: C3 and HighRes Only	23.60	
09 78 23 00-0211	LF	Water Jet Cutting 151-300 LF On >1/2" Thick Panels Note: C3 and HighRes Only	27.23	
09 78 23 00-0212	LF	Water Jet Cutting 301+ LF On <1/2" Thick Panels Note: C3 and HighRes Only	19.97	
09 78 23 00-0213	LF	Water Jet Cutting 301+ LF On 1/2" Thick Panels Note: C3 and HighRes Only	19.97	
09 78 23 00-0214	LF	Water Jet Cutting 301+ LF On >1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0215		**Hand Cutting HighRes** *(09 78 23 00-0164)*		
09 78 23 00-0216	EA	Hand Cutting HighRes, Simple Design, Per Panel Note: 3 or less points to line up	161.57	
09 78 23 00-0217	EA	Hand Cutting HighRes, Complex Design, Per Panel Note: More than 3 points to line up	324.96	
09 78 23 00-0218		**Seaming** *(09 78 23 00-0163)*		
09 78 23 00-0219		**Tongue And Groove Wavy Glued Seams** *(09 78 23 00-0218)* Note: Per Seam		
09 78 23 00-0220	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On <1/2" Thick Panels	161.57	
09 78 23 00-0221	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On 1/2" Thick Panels	190.62	
09 78 23 00-0222	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On >1/2" Thick Panels	243.27	
09 78 23 00-0223	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On <1/2" Thick Panels	143.42	
09 78 23 00-0224	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On 1/2" Thick Panels	172.47	
09 78 23 00-0225	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On >1/2" Thick Panels	219.67	
09 78 23 00-0226	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On <1/2" Thick Panels	243.27	
09 78 23 00-0227	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On 1/2" Thick Panels	243.27	
09 78 23 00-0228	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On >1/2" Thick Panels	324.96	
09 78 23 00-0229	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On <1/2" Thick Panels	219.67	
09 78 23 00-0230	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On 1/2" Thick Panels	219.67	
09 78 23 00-0231	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On >1/2" Thick Panels	295.92	
09 78 23 00-0232	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >48 To 96" On <1/2" Thick Panels	486.54	
09 78 23 00-0233	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >48 To 96" On 1/2" Thick Panels	486.54	
09 78 23 00-0234	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >48 To 96" On >1/2" Thick Panels	571.86	
09 78 23 00-0235	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On <1/2" Thick Panels	428.44	
09 78 23 00-0236	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On 1/2" Thick Panels	428.44	
09 78 23 00-0237	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On >1/2" Thick Panels	515.58	
09 78 23 00-0238	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >96" To 120" On <1/2" Thick Panels	648.11	
09 78 23 00-0239	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >96" To 120" On 1/2" Thick Panels	648.11	
09 78 23 00-0240	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >96" To 120" On >1/2" Thick Panels	762.48	
09 78 23 00-0241	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On <1/2" Thick Panels	591.83	
09 78 23 00-0242	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On 1/2" Thick Panels	591.83	
09 78 23 00-0243	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On >1/2" Thick Panels	706.21	
09 78 23 00-0244		**Mitered Wavy Tongue And Groove Machining Only** *(09 78 23 00-0218)*		
09 78 23 00-0245	EA	Mitered Wavy Tongue And Groove Machining Only Set-up Per Order	91.79	
09 78 23 00-0246	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On <1/2" Thick Panels	9.53	
09 78 23 00-0247	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On 1/2" Thick Panels	9.53	
09 78 23 00-0248	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On >1/2" Thick Panels	13.34	
09 78 23 00-0249	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On <1/2" Thick Panels	8.59	
09 78 23 00-0250	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On 1/2" Thick Panels	8.59	
09 78 23 00-0251	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On >1/2" Thick Panels	12.40	
09 78 23 00-0252	LF	Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On <1/2" Thick Panels	6.68	
09 78 23 00-0253	LF	Mitered Wavy Tongue And Groove v>150 To 300 LF On 1/2" Thick Panels	6.68	
09 78 23 00-0254	LF	Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On >1/2" Thick Panels	10.49	
09 78 23 00-0255		**Tongue And Groove Quirk** *(09 78 23 00-0218)* Note: Half lap quirk loose joint (Includes solvent polishing of loose joints for better clarity).		
09 78 23 00-0256	EA	Tongue And Groove Quirk Set-up Per Order	91.79	
09 78 23 00-0257	LF	Tongue And Groove Quirk, Up To 50 LF On <1/2" Thick Panels	17.16	
09 78 23 00-0258	LF	Tongue And Groove Quirk Up To 50 LF On 1/2" Thick Panels	17.16	
09 78 23 00-0259	LF	Tongue And Groove Quirk Up To 50 LF On >1/2" Thick Panels	20.97	
09 78 23 00-0260	LF	Tongue And Groove Quirk, >50 To 150 LF On <1/2" Thick Panels	16.21	
09 78 23 00-0261	LF	Tongue And Groove Quirk >50 To 150 LF On 1/2" Thick Panels	16.21	
09 78 23 00-0262	LF	Tongue And Groove Quirk >50 To 150 LF On >1/2" Thick Panels	20.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0263	LF	Tongue And Groove Quirk, >150 LF On <1/2" Thick Panels	14.31	
09 78 23 00-0264	LF	Tongue And Groove Quirk >150 LF On 1/2" Thick Panels	14.31	
09 78 23 00-0265	LF	Tongue And Groove Quirk >150 LF On >1/2" Thick Panels	18.12	
09 78 23 00-0266		Edge Finishes *(09 78 23 00-0163)*		
09 78 23 00-0267		Eased Edges *(09 78 23 00-0266)*		
09 78 23 00-0268	LF	Eased Edges On <1/2" Thick Panels, Easing Each Side	1.91	
09 78 23 00-0269	LF	Eased Edges On 1/2" Thick Panels, Easing Each Side	1.91	
09 78 23 00-0270	LF	Eased Edges On >1/2" Thick Panels, Easing Each Side	3.81	
09 78 23 00-0271		Sanding Edges *(09 78 23 00-0266)*		
09 78 23 00-0272	LF	Sanding Edges On <1/2" Thick Panels	3.81	
09 78 23 00-0273	LF	Sanding Edges On 1/2" Thick Panels	5.72	
09 78 23 00-0274	LF	Sanding Edges On >1/2" Thick Panels	7.62	
09 78 23 00-0275		Edge Sealing *(09 78 23 00-0266)*		
09 78 23 00-0276	LF	Edge Sealing On <1/2" Thick Panels	8.59	
09 78 23 00-0277	LF	Edge Sealing On 1/2" Thick Panels	10.51	
09 78 23 00-0278	LF	Edge Sealing On >1/2" Thick Panels	13.34	
09 78 23 00-0279		Flame Polishing *(09 78 23 00-0266)*		
09 78 23 00-0280	LF	Flame Polishing, Up To 150 LF On <1/2" Thick Panels	5.72	
09 78 23 00-0281	LF	Flame Polishing, Up To 150 LF On 1/2" Thick Panels	7.62	
09 78 23 00-0282	LF	Flame Polishing, Up To 150 LF On >1/2" Thick Panels	11.44	
09 78 23 00-0283	LF	Flame Polishing, >150 To 300 LF On <1/2" Thick Panels	5.25	
09 78 23 00-0284	LF	Flame Polishing, >150 To 300 LF On 1/2" Thick Panels	7.15	
09 78 23 00-0285	LF	Flame Polishing, >150 To 300 LF On >1/2" Thick Panels	10.49	
09 78 23 00-0286	LF	Flame Polishing, >300 To 500 LF On <1/2" Thick Panels	4.77	
09 78 23 00-0287	LF	Flame Polishing, >300 To 500 LF On 1/2" Thick Panels	6.68	
09 78 23 00-0288	LF	Flame Polishing, >300 To 500 LF On >1/2" Thick Panels	9.53	
09 78 23 00-0289	LF	Flame Polishing, >500 LF On <1/2" Thick Panels	4.28	
09 78 23 00-0290	LF	Flame Polishing, >500 LF On 1/2" Thick Panels	5.72	
09 78 23 00-0291	LF	Flame Polishing, >500 LF On >1/2" Thick Panels	8.59	
09 78 23 00-0292		Radiused Edge, Beveled Edge *(09 78 23 00-0266)*		
09 78 23 00-0293	EA	Radiused Edge, Beveled Edge Set-up	87.14	
09 78 23 00-0294	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On <1/2" Thick Panels	3.81	
09 78 23 00-0295	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On 1/2" Thick Panels	3.81	
09 78 23 00-0296	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On >1/2" Thick Panels	3.81	
09 78 23 00-0297	LF	Radiused Edge, Beveled Edge, 1/8" Two Edges, On <1/2" Thick Panels	5.72	
09 78 23 00-0298	LF	Radiused Edge, Beveled Edge, 1/8" Two Edge, On 1/2" Thick Panels	5.72	
09 78 23 00-0299	LF	Radiused Edge, Beveled Edge, 1/8" Two Edge, On >1/2" Thick Panels	7.62	
09 78 23 00-0300	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On <1/2" Thick Panels	7.62	
09 78 23 00-0301	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On 1/2" Thick Panels	7.62	
09 78 23 00-0302	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On >1/2" Thick Panels	9.53	
09 78 23 00-0303	LF	Radiused Edge, Beveled Edge, >1/8" Two Edges, On <1/2" Thick Panels	11.44	
09 78 23 00-0304	LF	Radiused Edge, Beveled Edge, >1/8" Two Edge, On 1/2" Thick Panels	11.44	
09 78 23 00-0305	LF	Radiused Edge, Beveled Edge, >1/8" Two Edge, On >1/2" Thick Panels	13.34	
09 78 23 00-0306		Solvent And Machine Polishing *(09 78 23 00-0266)*		
09 78 23 00-0307	LF	Solvent And Machine Polishing, Up To 150 LF On <1/2" Thick Panels	4.77	
09 78 23 00-0308	LF	Solvent And Machine Polishing, Up To 150 LF On 1/2" Thick Panels	5.72	
09 78 23 00-0309	LF	Solvent And Machine Polishing, Up To 150 LF On >1/2" Thick Panels	7.62	
09 78 23 00-0310	LF	Solvent And Machine Polishing, >150 To 300 LF On <1/2" Thick Panels	4.28	
09 78 23 00-0311	LF	Solvent And Machine Polishing, >150 To 300 LF On 1/2" Thick Panels	5.25	
09 78 23 00-0312	LF	Solvent And Machine Polishing, >150 To 300 LF On >1/2" Thick Panels	7.15	
09 78 23 00-0313	LF	Solvent And Machine Polishing, >300 LF On <1/2" Thick Panels	3.81	
09 78 23 00-0314	LF	Solvent And Machine Polishing, >300 LF On 1/2" Thick Panels	4.77	
09 78 23 00-0315	LF	Solvent And Machine Polishing, >300 LF On >1/2" Thick Panels	6.68	
09 78 23 00-0316		Polishing River Rock *(09 78 23 00-0266)*		
09 78 23 00-0317	LF	Hand Polishing River Rock On >1/2" Thick Panels	22.87	

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.25	0.15
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.42	0.15
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.66	0.15
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.85	0.15
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.09	0.15
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.32	0.15
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.63	0.15
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.98	0.15
09 81 16 00-0011		4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*		
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.21	0.15
09 81 16 00-0013		Sound Attenuation Batts *(09 81 16)*		
		Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.25	0.20
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	1.44	0.20
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.60	0.20
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	1.99	0.20
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.11	0.20
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.08	0.20
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.22	0.20

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001		Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*		
		Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	10.34	1.03
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	16.06	1.03
09 84 13 00-0004		Sound Absorbing Acoustical Wall Panel System *(09 84 13)*		
		See CSI section 06 11 16 00-0190 for wood furring.		
09 84 13 00-0005		Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	12.32	1.16
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	11.14	1.16
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	14.87	1.16
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	14.90	1.16
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	16.79	1.16
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	16.79	1.16
09 84 13 00-0012		Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	14.92	1.16
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	18.00	1.16
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	18.00	1.16
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	21.07	1.16
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	21.07	1.16
09 84 13 00-0018		Sound Absorbing Panel, Eggcrate Style *(09 84 13)*		
		Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF	2" Thick (Eggcrate Style) Polyurethane Sound Wave	9.94	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick (Eggcrate Style) Polyurethane Sound Wave	14.69	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick (Eggcrate Style) Polyurethane Sound Wave	21.29	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0022	SF	2" Thick (Eggcrate Style) Melamine Sound Wave	15.52	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0023	SF	3" Thick (Eggcrate Style) Melamine Sound Wave	23.50	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick (Eggcrate Style) Melamine Sound Wave	30.85	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 84 13 00-0025 Sound Deadening Fiberboard *(09 84 13)*

09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	0.92	0.26
		For Horizontal Installation Up To 10' High, Add	*0.16*	
		For Horizontal Installation >10' High, Add	*0.24*	
		For Walls >10' High, Add	*0.04*	
		For Up To 128, Add	*0.28*	
		For >128 To 320, Add	*0.16*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	1.45	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.33	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.57	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.67	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.28	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0012	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0016	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0017	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0018	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0019	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0020	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0022	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.81	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0023	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.09	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.02*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	0.87	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0027	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0028	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.75	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0029	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.77	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0030	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0031	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.53	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0032	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.76	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0033	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	0.81	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0034	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.61	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0035	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.15	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0038	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0039	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	1.66	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0040	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	0.98	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0041	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.61	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0042	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0043	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.45	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0044	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.89	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0045	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0046	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.77	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0047	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.07	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0048	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	0.96	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0049	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0052	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Epoxy Paint, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.10	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0054	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0055	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0056	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0057	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0058	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.49	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0059	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.85	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0060	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.09	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.02*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	
		For Epoxy Paint, Add	*0.01*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.78	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.83	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.56	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.60	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	0.67	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.29	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.64	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.34	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.78	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.83	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.55	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.73	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.78	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.52	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.67	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.34	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	8.64	
		For Work >15' To 20' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.58*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*2.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*5.09*	
		For >100 To 250, Add	*2.45*	
		For >250 To 500, Add	*1.07*	
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000 To 10,000, Deduct	*-0.86*	
		For >10,000 To 20,000, Deduct	*-1.30*	
		For >20,000, Deduct	*-1.73*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	9.65	
		For Work >15' To 20' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.76*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*2.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*3.88*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*5.68*	
		For >100 To 250, Add	*2.73*	
		For >250 To 500, Add	*1.19*	
		For >2,500 To 5,000, Deduct	*-0.48*	
		For >5,000 To 10,000, Deduct	*-0.97*	
		For >10,000 To 20,000, Deduct	*-1.45*	
		For >20,000, Deduct	*-1.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	17.86	
		For Work >15' To 20' Above Floor, Add	*1.99*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*10.62*	
		For >100 To 250, Add	*5.10*	
		For >250 To 500, Add	*2.22*	
		For >2,500 To 5,000, Deduct	*-0.89*	
		For >5,000 To 10,000, Deduct	*-1.79*	
		For >10,000 To 20,000, Deduct	*-2.68*	
		For >20,000, Deduct	*-3.57*	
09 91 13 00-0086		Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*		
09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	0.76	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.63	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0090		Paint Exterior Stucco Walls *(09 91 13 00-0001)*		
09 91 13 00-0091	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0093	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.88	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0094	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0095	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0096	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.57	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.65	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0098	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0099	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	1.51	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0100	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0103	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0104	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0105	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.51	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0106	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.72	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0107	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.41	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0109	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.66	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0110	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	0.74	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0111	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.26	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0112	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.13	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0113 Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*

Note: Includes shingles, shakes or rough sawn siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.84	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.13	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.18	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.27	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	0.90	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	0.97	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.88	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0124	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0125	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0126	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	1.40	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0127	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0128	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0129	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.28	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.71	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0131	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	0.86	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0132	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	1.67	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0133	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.12	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	

09 91 13 00-0134 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0135 Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0136	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0137	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0138	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.15	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0139	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.52	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0140	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.52	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0141	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0142	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0143	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0144	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	0.92	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0145	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.10	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0146		Paint Exterior Drywall/Plaster *(09 91 13 00-0134)*		
09 91 13 00-0147	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0148	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0149	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.15	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0150	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0151	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.52	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0152	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0153	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0154	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0156	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.10	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
		For Epoxy Paint, Add	*0.01*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0159	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0160	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.47	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0162	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	0.72	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0163	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0164	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.35	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0165	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0167	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.10	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0168	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.13	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.90	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.18	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.25	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	2.32	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	0.97	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.04	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.95	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	0.83	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	0.88	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.67	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.65	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.71	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.31	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	0.74	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	0.81	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.42	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0190		Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.83	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.88	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.67	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.78	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.84	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.57	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.74	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.74	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.42	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	0.83	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	0.91	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.71	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0204		Paint Exterior Floors *(09 91 13)*		
09 91 13 00-0205		Paint Exterior Concrete Floors *(09 91 13 00-0204)*		
09 91 13 00-0206	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.52	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0207	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.52	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0208	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.46	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0212	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.44	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0213	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.46	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0214	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0215	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.96	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0216	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.20	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000 To 20,000, Deduct	*-0.78*	
		For >20,000, Deduct	*-1.04*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.56	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000 To 20,000, Deduct	*-0.98*	
		For >20,000, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0218	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.08	
		For Up To 100, Add	*0.04*	
		For >100 To 250, Add	*0.02*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0221	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0222	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.30	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.18	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0226	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0227	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0228	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.02	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0229	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.01	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0230	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.61	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000 To 20,000, Deduct	*-0.99*	
		For >20,000, Deduct	*-1.32*	
09 91 13 00-0231	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.11	
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	

09 91 13 00-0232 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0233 Paint Exterior Door Frames *(09 91 13 00-0232)*

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	0.69	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.20*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	0.86	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.24*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.46	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.41*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	0.70	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.20*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	0.87	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.24*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.47	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.41*	

09 91 13 00-0240 Paint Exterior Metal Doors *(09 91 13 00-0232)*

09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: One face	42.94	
		For Half Louvered Door, Add	*2.35*	
		For Full Louvered Door, Add	*3.91*	
		For Electrostatic Painting, Add	*8.39*	
		For >5 To 10, Deduct	*-2.15*	
		For >10 To 25, Deduct	*-4.29*	
		For >25, Deduct	*-6.44*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face	42.94	
		For Half Louvered Door, Add	*2.35*	
		For Full Louvered Door, Add	*3.91*	
		For Electrostatic Painting, Add	*8.39*	
		For >5 To 10, Deduct	*-2.15*	
		For >10 To 25, Deduct	*-4.29*	
		For >25, Deduct	*-6.44*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face	80.69	
		For Half Louvered Door, Add	*3.96*	
		For Full Louvered Door, Add	*6.61*	
		For Electrostatic Painting, Add	*16.21*	
		For >5 To 10, Deduct	*-4.03*	
		For >10 To 25, Deduct	*-8.07*	
		For >25, Deduct	*-12.10*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces	77.12	
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For Electrostatic Painting, Add	*15.07*	
		For >5 To 10, Deduct	*-3.86*	
		For >10 To 25, Deduct	*-7.71*	
		For >25, Deduct	*-11.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	77.12	
		Note: Both faces		
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For Electrostatic Painting, Add	*15.07*	
		For >5 To 10, Deduct	*-3.86*	
		For >10 To 25, Deduct	*-7.71*	
		For >25, Deduct	*-11.57*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	145.59	
		Note: Both faces		
		For Half Louvered Door, Add	*7.12*	
		For Full Louvered Door, Add	*11.87*	
		For Electrostatic Painting, Add	*29.28*	
		For >5 To 10, Deduct	*-7.28*	
		For >10 To 25, Deduct	*-14.56*	
		For >25, Deduct	*-21.84*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	43.68	
		Note: One face		
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For Electrostatic Painting, Add	*8.87*	
		For >5 To 10, Deduct	*-2.18*	
		For >10 To 25, Deduct	*-4.37*	
		For >25, Deduct	*-6.55*	
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	43.68	
		Note: One face		
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For Electrostatic Painting, Add	*8.87*	
		For >5 To 10, Deduct	*-2.18*	
		For >10 To 25, Deduct	*-4.37*	
		For >25, Deduct	*-6.55*	
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	82.73	
		Note: One face		
		For Half Louvered Door, Add	*3.46*	
		For Full Louvered Door, Add	*5.76*	
		For Electrostatic Painting, Add	*17.23*	
		For >5 To 10, Deduct	*-4.14*	
		For >10 To 25, Deduct	*-8.27*	
		For >25, Deduct	*-12.41*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	78.44	
		Note: Both faces		
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For Electrostatic Painting, Add	*15.94*	
		For >5 To 10, Deduct	*-3.92*	
		For >10 To 25, Deduct	*-7.84*	
		For >25, Deduct	*-11.77*	
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	78.44	
		Note: Both faces		
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For Electrostatic Painting, Add	*15.94*	
		For >5 To 10, Deduct	*-3.92*	
		For >10 To 25, Deduct	*-7.84*	
		For >25, Deduct	*-11.77*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	149.35	
		Note: Both faces		
		For Half Louvered Door, Add	*6.21*	
		For Full Louvered Door, Add	*10.35*	
		For Electrostatic Painting, Add	*31.13*	
		For >5 To 10, Deduct	*-7.47*	
		For >10 To 25, Deduct	*-14.94*	
		For >25, Deduct	*-22.40*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	1.53	
		For Electrostatic Painting, Add	*0.22*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	1.71	
		For Electrostatic Painting, Add	*0.27*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	3.40	
		For Electrostatic Painting, Add	*0.51*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	1.74	
		For Electrostatic Painting, Add	*0.24*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	1.92	
		For Electrostatic Painting, Add	*0.29*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.70	
		For Electrostatic Painting, Add	*0.55*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	39.20	
		Note: One face		
		For Half Louvered Door, Add	*2.35*	
		For Full Louvered Door, Add	*3.91*	
		For >5 To 10, Deduct	*-1.96*	
		For >10 To 25, Deduct	*-3.92*	
		For >25, Deduct	*-5.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	39.20	
		Note: One face		
		For Half Louvered Door, Add	*2.35*	
		For Full Louvered Door, Add	*3.91*	
		For >5 To 10, Deduct	*-1.96*	
		For >10 To 25, Deduct	*-3.92*	
		For >25, Deduct	*-5.88*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	73.25	
		Note: One face		
		For Half Louvered Door, Add	*3.96*	
		For Full Louvered Door, Add	*6.61*	
		For >5 To 10, Deduct	*-3.66*	
		For >10 To 25, Deduct	*-7.33*	
		For >25, Deduct	*-10.99*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	70.39	
		Note: Both faces		
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For >5 To 10, Deduct	*-3.52*	
		For >10 To 25, Deduct	*-7.04*	
		For >25, Deduct	*-10.56*	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	70.39	
		Note: Both faces		
		For Half Louvered Door, Add	*4.21*	
		For Full Louvered Door, Add	*7.01*	
		For >5 To 10, Deduct	*-3.52*	
		For >10 To 25, Deduct	*-7.04*	
		For >25, Deduct	*-10.56*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	132.13	
		Note: Both faces		
		For Half Louvered Door, Add	*7.12*	
		For Full Louvered Door, Add	*11.87*	
		For >5 To 10, Deduct	*-6.61*	
		For >10 To 25, Deduct	*-13.21*	
		For >25, Deduct	*-19.82*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	39.56	
		Note: One face		
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For >5 To 10, Deduct	*-1.98*	
		For >10 To 25, Deduct	*-3.96*	
		For >25, Deduct	*-5.93*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	39.56	
		Note: One face		
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For >5 To 10, Deduct	*-1.98*	
		For >10 To 25, Deduct	*-3.96*	
		For >25, Deduct	*-5.93*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	74.55	
		Note: One face		
		For Half Louvered Door, Add	*3.46*	
		For Full Louvered Door, Add	*5.76*	
		For >5 To 10, Deduct	*-3.73*	
		For >10 To 25, Deduct	*-7.46*	
		For >25, Deduct	*-11.18*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	71.04	
		Note: Both faces		
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For >5 To 10, Deduct	*-3.55*	
		For >10 To 25, Deduct	*-7.10*	
		For >25, Deduct	*-10.66*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	71.04	
		Note: Both faces		
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For >5 To 10, Deduct	*-3.55*	
		For >10 To 25, Deduct	*-7.10*	
		For >25, Deduct	*-10.66*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	134.54	
		Note: Both faces		
		For Half Louvered Door, Add	*6.21*	
		For Full Louvered Door, Add	*10.35*	
		For >5 To 10, Deduct	*-6.73*	
		For >10 To 25, Deduct	*-13.45*	
		For >25, Deduct	*-20.18*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.48	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.62	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.25	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.68	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.83	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.54	

09 91 13 00-0278 Paint Exterior Metal Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over rust inhibitive primer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	53.19	
		For Electrostatic Painting, Add	*8.04*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-5.32*	
		For >25, Deduct	*-7.98*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	68.48	
		For Electrostatic Painting, Add	*11.05*	
		For >5 To 10, Deduct	*-3.42*	
		For >10 To 25, Deduct	*-6.85*	
		For >25, Deduct	*-10.27*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	93.75	
		For Electrostatic Painting, Add	*15.35*	
		For >5 To 10, Deduct	*-4.69*	
		For >10 To 25, Deduct	*-9.38*	
		For >25, Deduct	*-14.06*	
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	105.67	
		For Electrostatic Painting, Add	*17.31*	
		For >5 To 10, Deduct	*-5.28*	
		For >10 To 25, Deduct	*-10.57*	
		For >25, Deduct	*-15.85*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	116.93	
		For Electrostatic Painting, Add	*19.12*	
		For >5 To 10, Deduct	*-5.85*	
		For >10 To 25, Deduct	*-11.69*	
		For >25, Deduct	*-17.54*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	3.70	
		For Electrostatic Painting, Add	*0.60*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	50.70	
		For >5 To 10, Deduct	*-2.54*	
		For >10 To 25, Deduct	*-5.07*	
		For >25, Deduct	*-7.61*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	64.64	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.70*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	88.29	
		For >5 To 10, Deduct	*-4.41*	
		For >10 To 25, Deduct	*-8.83*	
		For >25, Deduct	*-13.24*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	99.50	
		For >5 To 10, Deduct	*-4.98*	
		For >10 To 25, Deduct	*-9.95*	
		For >25, Deduct	*-14.93*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	110.14	
		For >5 To 10, Deduct	*-5.51*	
		For >10 To 25, Deduct	*-11.01*	
		For >25, Deduct	*-16.52*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	3.62	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	0.93	
		For Electrostatic Painting, Add	*0.15*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	0.87	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	1.48	
		For Electrostatic Painting, Add	*0.23*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	0.93	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	0.87	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.48	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	0.91	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	0.91	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.59	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.15	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.15	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0307		Paint Exterior Roofing And Trim *(09 91 13)*		
09 91 13 00-0308		Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*		
09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	1.58	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	2.95	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 91 13 00-0311		Paint Metal Roofing *(09 91 13 00-0307)*		
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	0.73	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.25	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0314		Paint Fascia Board *(09 91 13 00-0307)*		
09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.66	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.66	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.13	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0318		Paint Soffit *(09 91 13 00-0307)*		
09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	0.86	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	0.86	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	1.43	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0322		Paint Metal Surfaces *(09 91 13)*		
		Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0323		Paint Structural Steel *(09 91 13 00-0322)*		
09 91 13 00-0324		Paint Structural Steel, Brush Work *(09 91 13 00-0323)*		
09 91 13 00-0325	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	0.64	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0326	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.59	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0327		Paint Structural Steel, Spray Work *(09 91 13 00-0323)*		
09 91 13 00-0328	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.55	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0329	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.49	
		For Electrostatic Painting, Add	*0.09*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0330		**Paint Metal Decking, Beams And Bar Joist** *(09 91 13 00-0323)*		
09 91 13 00-0331	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.61	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0332	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.61	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0333	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.07	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0334	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	0.92	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0335	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	0.87	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0336	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.67	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.35*	
09 91 13 00-0337	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	0.78	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0338	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	0.78	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0339	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.39	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0340		**Paint Steel Pipes** *(09 91 13 00-0322)*		
		Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0341	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.07	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0342	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.21	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0343	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	1.38	
		For Electrostatic Painting, Add	*0.22*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0344	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	1.70	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0345	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	2.14	
		For Electrostatic Painting, Add	*0.33*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0346	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.07	
		For Electrostatic Painting, Add	*0.17*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0347	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.21	
		For Electrostatic Painting, Add	*0.19*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0348	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	1.38	
		For Electrostatic Painting, Add	*0.22*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0349	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	1.70	
		For Electrostatic Painting, Add	*0.27*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0350	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	2.14	
		For Electrostatic Painting, Add	*0.33*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0351	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.33	
		For Electrostatic Painting, Add	*0.39*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0352	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.42	
		For Electrostatic Painting, Add	*0.38*	
		For Epoxy Paint, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0353	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	2.65	
		For Electrostatic Painting, Add	*0.42*	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0354	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	3.31	
		For Electrostatic Painting, Add	*0.52*	
		For Epoxy Paint, Add	*0.55*	
09 91 13 00-0355	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	4.12	
		For Electrostatic Painting, Add	*0.66*	
		For Epoxy Paint, Add	*0.69*	
09 91 13 00-0356	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	4.28	
		For Electrostatic Painting, Add	*0.49*	
		For Epoxy Paint, Add	*0.33*	

09 91 13 00-0357 Paint Metal Louvers *(09 91 13 00-0322)*

09 91 13 00-0358	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	0.79	
		For Electrostatic Painting, Add	*0.11*	
09 91 13 00-0359	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	0.83	
		For Electrostatic Painting, Add	*0.12*	
09 91 13 00-0360	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.71	
		For Electrostatic Painting, Add	*0.26*	

09 91 13 00-0361 Paint Ladders *(09 91 13 00-0322)*

09 91 13 00-0362	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	1.88	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0363	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	2.09	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0364	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.03	
		For Epoxy Paint, Add	*0.28*	

09 91 13 00-0365 Paint Handrails *(09 91 13 00-0322)*

09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	0.83	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	0.90	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.40	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0369	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	1.89	
		For Epoxy Paint, Add	*0.37*	
09 91 13 00-0370	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	2.01	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0371	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.30	
		For Epoxy Paint, Add	*0.58*	
09 91 13 00-0372	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	1.99	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0373	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	2.11	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0374	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.45	
		For Epoxy Paint, Add	*0.59*	
09 91 13 00-0375	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.07	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0376	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.14	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0377	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.14	
		For Epoxy Paint, Add	*0.38*	

09 91 13 00-0378 Paint Grating *(09 91 13 00-0322)*

09 91 13 00-0379	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	1.40	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0380	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	1.47	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0381	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	2.30	
		For Epoxy Paint, Add	*0.27*	

09 91 13 00-0382 Equipment And Tanks *(09 91 13 00-0322)*

09 91 13 00-0383 Paint Valves *(09 91 13 00-0382)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0384	EA	Prime And Paint 4" Diameter And Smaller Valve	18.31	
09 91 13 00-0385	EA	Prime And Paint 6" To 10" Diameter Valve	22.99	
09 91 13 00-0386	EA	Prime And Paint 12" To 18" Diameter Valve	29.80	
09 91 13 00-0387	EA	Prime And Paint 20" To 24" Diameter Valve	38.73	
09 91 13 00-0388	EA	Prime And Paint >24" To 36" Diameter Valve	52.35	
09 91 13 00-0389	EA	Prime And Paint >36" To 48" Diameter Valve	73.22	

09 91 13 00-0390 Paint Pumps And Motors *(09 91 13 00-0382)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0391	EA	Prime And Paint Pump Under 1 HP	57.49	
09 91 13 00-0392	EA	Prime And Paint Pump, 1 HP To 5 HP	78.79	
09 91 13 00-0393	EA	Prime And Paint Pump, >5 HP To 10 HP	97.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0394	EA	Prime And Paint Pump, >10 HP To 20 HP	112.49	
09 91 13 00-0395	EA	Prime And Paint Pump, >20 HP To 30 HP	131.24	
09 91 13 00-0396	EA	Prime And Paint Pump, >30 HP To 50 HP	149.99	
09 91 13 00-0397	EA	Prime And Paint Pump, >50 HP To 75 HP	166.62	
09 91 13 00-0398	EA	Prime And Paint Pump, >75 HP	187.49	

09 91 13 00-0399 Paint Storage Tanks *(09 91 13 00-0382)*

09 91 13 00-0400	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	0.82	
09 91 13 00-0401	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.15	
09 91 13 00-0402	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	2.23	
09 91 13 00-0403	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	0.99	
09 91 13 00-0404	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	1.34	
09 91 13 00-0405	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	2.61	
09 91 13 00-0406	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.00	
09 91 13 00-0407	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.34	
09 91 13 00-0408	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	2.62	
09 91 13 00-0409	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.09	
09 91 13 00-0410	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	1.51	
09 91 13 00-0411	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	2.97	

09 91 13 00-0412 Other Site Work Painting *(09 91 13)*

09 91 13 00-0413 Paint Fencing *(09 91 13 00-0412)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0414	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.55	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0415	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.06	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0416	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.57	
		For Epoxy Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0417	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.09	
		For Epoxy Paint, Add	*0.23*	
		For Electrostatic Painting, Add	*0.20*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0418	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.56	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0419	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.50	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0420	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.40	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
09 91 13 00-0421	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.58	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0422	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	0.58	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0423	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.44	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0424	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.52	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 91 13 00-0425	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	0.97	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0426	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.46	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
09 91 13 00-0427	SF	2 Coats Paint, Sprayed, Paint Wood Fences	0.89	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0428		**Paint Shutters Or Blinds, Solid Panel** *(09 91 13 00-0412)*		
09 91 13 00-0429	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	1.52	
09 91 13 00-0430	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	1.54	
09 91 13 00-0431	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.78	
09 91 13 00-0432	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.19	
09 91 13 00-0433	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.21	
09 91 13 00-0434	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.28	
09 91 13 00-0435		**Paint Shutters Or Blinds, Louvered Panel** *(09 91 13 00-0412)*		
09 91 13 00-0436	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	1.84	
09 91 13 00-0437	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	1.86	
09 91 13 00-0438	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.35	
09 91 13 00-0439	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	1.40	
09 91 13 00-0440	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	1.42	
09 91 13 00-0441	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.67	
09 91 13 00-0442		**Paint Flagpoles** *(09 91 13 00-0412)*		
09 91 13 00-0443	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	133.55	
09 91 13 00-0444	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	182.13	
09 91 13 00-0445	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	230.75	
09 91 13 00-0446	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	279.36	
09 91 13 00-0447	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	390.87	
09 91 13 00-0448	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	441.28	
09 91 13 00-0449	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	491.67	
09 91 13 00-0450		**Paint Lattice Or Trellis** *(09 91 13 00-0412)*		
09 91 13 00-0451	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	0.92	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0452	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.74	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 91 13 00-0453		**Paint Exterior Stairs** *(09 91 13)*		
09 91 13 00-0454		**Paint Exterior Concrete Stairs** *(09 91 13 00-0453)*		
09 91 13 00-0455	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	8.17	
09 91 13 00-0456	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	8.17	
09 91 13 00-0457	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	14.49	
09 91 13 00-0458	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	32.91	
09 91 13 00-0459	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	16.36	
09 91 13 00-0460		**Paint Exterior Metal Stairs** *(09 91 13 00-0453)*		
09 91 13 00-0461	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	4.66	
		For Oil Based Paint, Add	*0.28*	
09 91 13 00-0462	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	4.66	
		For Oil Based Paint, Add	*0.28*	
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	9.30	
		For Oil Based Paint, Add	*0.56*	
09 91 13 00-0464		**Paint Exterior Wood Stairs** *(09 91 13 00-0453)*		
09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	4.52	
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	4.51	
09 91 13 00-0467	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	10.83	
09 91 13 00-0468	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	29.25	
09 91 13 00-0469	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	9.03	
09 91 13 00-0470		**Paint Exterior Stair Nosing** *(09 91 13 00-0453)*		
09 91 13 00-0471	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	0.93	
09 91 13 00-0472		**Paint Exterior Trim** *(09 91 13)*		
09 91 13 00-0473		**Paint Exterior Metal Trim And Gutters** *(09 91 13 00-0472)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0474	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	0.69	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0475	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	0.74	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0476	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.37	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0477	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0478	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	0.68	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0479	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.26	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0480	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	1.04	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0481	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	1.08	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0482 Paint Exterior Wood Trim *(09 91 13 00-0472)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0483	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.09	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0484	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.19	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0485	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	2.22	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0486	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0487	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.03	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0488	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.97	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0489	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	0.90	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0490	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	0.97	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0491	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	1.88	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0492 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0493	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	0.88	
		For Epoxy Paint, Add	*0.16*	
		For Electrostatic Painting, Add	*0.15*	
09 91 13 00-0494	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	0.75	
		For Epoxy Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.12*	
09 91 13 00-0495	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.54	
		For Epoxy Paint, Add	*0.25*	
		For Electrostatic Painting, Add	*0.24*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0322 for additional interior materials.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0002		Paint Interior Brick Walls *(09 91 23 00-0001)*		
09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.12	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	1.36	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.54	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	1.25	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.54	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.66	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.12	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	0.69	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.59	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.59	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	0.56	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.49	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.49	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.09	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.43	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	0.81	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	0.90	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.65	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.70	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	0.75	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.43	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.67	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	0.76	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.45	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.14	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	0.69	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	1.56	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.35	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.61	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	0.73	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.24	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	0.85	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.67	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0060		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*		
09 91 23 00-0061		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*		
09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.09	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.06*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	1.63	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	1.81	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.00	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.10	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	0.75	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0082 Paint Interior Galvanized Walls *(09 91 23 00-0081)*

Note: Linseed oil or acrylic latex paint.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	0.82	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	0.88	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.65	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.63	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	0.71	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	1.35	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.66	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	0.77	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.39	
		For Electrostatic Painting, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0092		Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*		
		Note: Alkyd enamel paint.		
09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	0.82	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	0.88	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.64	
		For Electrostatic Painting, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	0.76	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	0.82	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.58	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.70	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.77	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.39	
		For Electrostatic Painting, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	0.79	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	0.95	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.69	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.76	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	0.69	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0113	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.48	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.39	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.11	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.51	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.03	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.54	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.02	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*

Note: Includes grid.

09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.23	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.10	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0144	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0145	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0146	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0147	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0148	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.50	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.52	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.55	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

09 91 23 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.10	
		For Epoxy Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0156	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	0.61	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0157	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	0.63	
		For Epoxy Paint, Add	*0.08*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0158	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.14	
		For Epoxy Paint, Add	*0.15*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.55	
		For Epoxy Paint, Add	*0.08*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.51	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.96	
		For Epoxy Paint, Add	*0.14*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.53	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0163	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.50	
		For Epoxy Paint, Add	*0.08*	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0164	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.85	
		For Epoxy Paint, Add	*0.16*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	0.88	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	0.94	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	1.76	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	0.69	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	0.75	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.41	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	0.77	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	0.85	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	1.47	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.88	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.94	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.76	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.82	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.88	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.69	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.77	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.85	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.47	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.17	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.35	
		For Electrostatic Painting, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.03	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.13	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.96	
		For Electrostatic Painting, Add	*0.38*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.13	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.07*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	0.66	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.29	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	1.52	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	1.29	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.07	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 23 00-0215 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0216 Paint Interior Concrete Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.08	
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.02*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*0.00*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.01*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0218	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.49	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0219	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0220	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0221	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0222	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0223	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0224	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0225	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.43	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0226	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.15*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.52	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0228	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.51	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0229	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.49	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.05	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	6.66	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0232 Paint Interior Wood Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0233	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.11	
		For Up To 100, Add	*0.06*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	
09 91 23 00-0234	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0235	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0236	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0237	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0238	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.56	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0239	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0240	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 23 00-0241	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0242	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0243	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.05	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0244	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	6.66	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	

09 91 23 00-0245 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0246 Paint Interior Door Frames *(09 91 23 00-0245)*

09 91 23 00-0247	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Painting One Face Of Frame Only, Deduct	*-0.18*	
09 91 23 00-0248	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.22*	
09 91 23 00-0249	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.38*	
09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Painting One Face Of Frame Only, Deduct	*-0.20*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.24*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	

09 91 23 00-0253 Paint Interior Metal Doors *(09 91 23 00-0245)*

09 91 23 00-0254	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	44.68	
		For Electrostatic Painting, Add	*8.56*	
		For Half Louvered Door, Add	*2.61*	
		For Full Louvered Door, Add	*4.35*	
		For Oil Based Paint, Add	*3.60*	
		For >5 To 10, Deduct	*-2.23*	
		For >10 To 25, Deduct	*-4.47*	
		For >25, Deduct	*-6.70*	
09 91 23 00-0255	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	44.68	
		For Electrostatic Painting, Add	*8.56*	
		For Half Louvered Door, Add	*2.61*	
		For Full Louvered Door, Add	*4.35*	
		For Oil Based Paint, Add	*3.60*	
		For >5 To 10, Deduct	*-2.23*	
		For >10 To 25, Deduct	*-4.47*	
		For >25, Deduct	*-6.70*	
09 91 23 00-0256	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	83.61	
		For Electrostatic Painting, Add	*16.50*	
		For Half Louvered Door, Add	*4.40*	
		For Full Louvered Door, Add	*7.34*	
		For Oil Based Paint, Add	*6.89*	
		For >5 To 10, Deduct	*-4.18*	
		For >10 To 25, Deduct	*-8.36*	
		For >25, Deduct	*-12.54*	
09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	80.23	
		For Electrostatic Painting, Add	*15.38*	
		For Half Louvered Door, Add	*4.67*	
		For Full Louvered Door, Add	*7.79*	
		For Oil Based Paint, Add	*6.47*	
		For >5 To 10, Deduct	*-4.01*	
		For >10 To 25, Deduct	*-8.02*	
		For >25, Deduct	*-12.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	80.23	
		For Electrostatic Painting, Add	*15.38*	
		For Half Louvered Door, Add	*4.67*	
		For Full Louvered Door, Add	*7.79*	
		For Oil Based Paint, Add	*6.47*	
		For >5 To 10, Deduct	*-4.01*	
		For >10 To 25, Deduct	*-8.02*	
		For >25, Deduct	*-12.03*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	150.86	
		For Electrostatic Painting, Add	*29.81*	
		For Half Louvered Door, Add	*7.91*	
		For Full Louvered Door, Add	*13.18*	
		For Oil Based Paint, Add	*12.45*	
		For >5 To 10, Deduct	*-7.54*	
		For >10 To 25, Deduct	*-15.09*	
		For >25, Deduct	*-22.63*	
09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	43.68	
		For Electrostatic Painting, Add	*8.87*	
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For Oil Based Paint, Add	*3.69*	
		For >5 To 10, Deduct	*-2.18*	
		For >10 To 25, Deduct	*-4.37*	
		For >25, Deduct	*-6.55*	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	43.68	
		For Electrostatic Painting, Add	*8.87*	
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For Oil Based Paint, Add	*3.69*	
		For >5 To 10, Deduct	*-2.18*	
		For >10 To 25, Deduct	*-4.37*	
		For >25, Deduct	*-6.55*	
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	82.73	
		For Electrostatic Painting, Add	*17.23*	
		For Half Louvered Door, Add	*3.46*	
		For Full Louvered Door, Add	*5.76*	
		For Oil Based Paint, Add	*7.12*	
		For >5 To 10, Deduct	*-4.14*	
		For >10 To 25, Deduct	*-8.27*	
		For >25, Deduct	*-12.41*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	78.44	
		For Electrostatic Painting, Add	*15.94*	
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For Oil Based Paint, Add	*6.62*	
		For >5 To 10, Deduct	*-3.92*	
		For >10 To 25, Deduct	*-7.84*	
		For >25, Deduct	*-11.77*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	78.44	
		For Electrostatic Painting, Add	*15.94*	
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For Oil Based Paint, Add	*6.62*	
		For >5 To 10, Deduct	*-3.92*	
		For >10 To 25, Deduct	*-7.84*	
		For >25, Deduct	*-11.77*	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	149.35	
		For Electrostatic Painting, Add	*31.13*	
		For Half Louvered Door, Add	*6.21*	
		For Full Louvered Door, Add	*10.35*	
		For Oil Based Paint, Add	*12.87*	
		For >5 To 10, Deduct	*-7.47*	
		For >10 To 25, Deduct	*-14.94*	
		For >25, Deduct	*-22.40*	

09 91 23 00-0266 Paint Interior Wood Doors *(09 91 23 00-0245)*

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	35.12	
		For Oil Based Paint, Add	*2.64*	
		For Half Louvered Door, Add	*2.61*	
		For Full Louvered Door, Add	*4.35*	
		For >5 To 10, Deduct	*-1.76*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.27*	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	35.12	
		For Oil Based Paint, Add	*2.64*	
		For Half Louvered Door, Add	*2.61*	
		For Full Louvered Door, Add	*4.35*	
		For >5 To 10, Deduct	*-1.76*	
		For >10 To 25, Deduct	*-3.51*	
		For >25, Deduct	*-5.27*	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	64.61	
		For Oil Based Paint, Add	*4.99*	
		For Half Louvered Door, Add	*4.40*	
		For Full Louvered Door, Add	*7.34*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	63.04	
		For Oil Based Paint, Add	*4.75*	
		For Half Louvered Door, Add	*4.67*	
		For Full Louvered Door, Add	*7.79*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.30*	
		For >25, Deduct	*-9.46*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	63.04	
		For Oil Based Paint, Add	*4.75*	
		For Half Louvered Door, Add	*4.67*	
		For Full Louvered Door, Add	*7.79*	
		For >5 To 10, Deduct	*-3.15*	
		For >10 To 25, Deduct	*-6.30*	
		For >25, Deduct	*-9.46*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	116.48	
		For Oil Based Paint, Add	*9.01*	
		For Half Louvered Door, Add	*7.91*	
		For Full Louvered Door, Add	*13.18*	
		For >5 To 10, Deduct	*-5.82*	
		For >10 To 25, Deduct	*-11.65*	
		For >25, Deduct	*-17.47*	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	33.16	
		For Oil Based Paint, Add	*2.63*	
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.97*	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	33.16	
		For Oil Based Paint, Add	*2.63*	
		For Half Louvered Door, Add	*2.05*	
		For Full Louvered Door, Add	*3.41*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.97*	
09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	61.83	
		For Oil Based Paint, Add	*5.03*	
		For Half Louvered Door, Add	*3.46*	
		For Full Louvered Door, Add	*5.76*	
		For >5 To 10, Deduct	*-3.09*	
		For >10 To 25, Deduct	*-6.18*	
		For >25, Deduct	*-9.27*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	59.53	
		For Oil Based Paint, Add	*4.73*	
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.95*	
		For >25, Deduct	*-8.93*	
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	59.53	
		For Oil Based Paint, Add	*4.73*	
		For Half Louvered Door, Add	*3.67*	
		For Full Louvered Door, Add	*6.12*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.95*	
		For >25, Deduct	*-8.93*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	111.53	
		For Oil Based Paint, Add	*9.08*	
		For Half Louvered Door, Add	*6.21*	
		For Full Louvered Door, Add	*10.35*	
		For >5 To 10, Deduct	*-5.58*	
		For >10 To 25, Deduct	*-11.15*	
		For >25, Deduct	*-16.73*	

09 91 23 00-0279 Paint Interior Metal Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	57.09	
		For Oil Based Paint, Add	*3.76*	
		For Electrostatic Painting, Add	*8.43*	
		For >5 To 10, Deduct	*-2.85*	
		For >10 To 25, Deduct	*-5.71*	
		For >25, Deduct	*-8.56*	
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	72.98	
		For Oil Based Paint, Add	*5.05*	
		For Electrostatic Painting, Add	*11.50*	
		For >5 To 10, Deduct	*-3.65*	
		For >10 To 25, Deduct	*-7.30*	
		For >25, Deduct	*-10.95*	
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	99.74	
		For Oil Based Paint, Add	*6.98*	
		For Electrostatic Painting, Add	*15.94*	
		For >5 To 10, Deduct	*-4.99*	
		For >10 To 25, Deduct	*-9.97*	
		For >25, Deduct	*-14.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	112.42	
		For Oil Based Paint, Add	*7.87*	
		For Electrostatic Painting, Add	*17.99*	
		For >5 To 10, Deduct	*-5.62*	
		For >10 To 25, Deduct	*-11.24*	
		For >25, Deduct	*-16.86*	
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	124.42	
		For Oil Based Paint, Add	*8.70*	
		For Electrostatic Painting, Add	*19.87*	
		For >5 To 10, Deduct	*-6.22*	
		For >10 To 25, Deduct	*-12.44*	
		For >25, Deduct	*-18.66*	
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	3.94	
		For Oil Based Paint, Add	*0.28*	
		For Electrostatic Painting, Add	*0.63*	

09 91 23 00-0286 Paint Interior Wood Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	50.74	
		For Oil Based Paint, Add	*3.13*	
		For >5 To 10, Deduct	*-2.54*	
		For >10 To 25, Deduct	*-5.07*	
		For >25, Deduct	*-7.61*	
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	63.16	
		For Oil Based Paint, Add	*4.07*	
		For >5 To 10, Deduct	*-3.16*	
		For >10 To 25, Deduct	*-6.32*	
		For >25, Deduct	*-9.47*	
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	84.78	
		For Oil Based Paint, Add	*5.53*	
		For >5 To 10, Deduct	*-4.24*	
		For >10 To 25, Deduct	*-8.48*	
		For >25, Deduct	*-12.72*	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	95.55	
		For Oil Based Paint, Add	*6.24*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.56*	
		For >25, Deduct	*-14.33*	
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	107.08	
		For Oil Based Paint, Add	*6.96*	
		For >5 To 10, Deduct	*-5.35*	
		For >10 To 25, Deduct	*-10.71*	
		For >25, Deduct	*-16.06*	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	3.54	
		For Oil Based Paint, Add	*0.23*	

09 91 23 00-0293 Paint Interior Security Screens *(09 91 23 00-0245)*

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.15*	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.13*	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	1.48	
		For Oil Based Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.23*	

09 91 23 00-0297 Paint Interior Window Guards *(09 91 23 00-0245)*

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	0.93	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	0.87	
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.48	
		For Oil Based Paint, Add	*0.10*	

09 91 23 00-0301 Paint Interior Window Trim *(09 91 23 00-0245)*

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.26*	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.82	
		For Oil Based Paint, Add	*0.13*	
		For Painting One Face Of Frame Only, Deduct	*-0.56*	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.11	
		For Painting One Face Of Frame Only, Deduct	*-0.37*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.11	
		For Painting One Face Of Frame Only, Deduct	*-0.37*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	2.35	
		For Painting One Face Of Frame Only, Deduct	*-0.77*	

09 91 23 00-0308 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0309 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0308)*

09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	0.69	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	0.98	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.82	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0313 Paint Exposed Metal Lockers And Cabinets *(09 91 23 00-0308)*

09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	0.88	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	0.80	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.54	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.23*	

09 91 23 00-0317 Paint Interior Stairs *(09 91 23)*

09 91 23 00-0318 Paint Interior Concrete Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	8.78	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	8.78	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	11.24	
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	29.66	
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	17.57	

09 91 23 00-0324 Paint Interior Metal Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	5.24	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	5.05	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	10.12	

09 91 23 00-0328 Paint Interior Wood Stairs *(09 91 23 00-0317)*

Note: Includes the riser and tread.

09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	4.70	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	4.70	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	9.20	
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	27.62	
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	9.43	

09 91 23 00-0334 Paint Interior Stair Nosing *(09 91 23 00-0317)*

09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	0.88	

09 91 23 00-0336 Paint Interior Trim *(09 91 23)*

09 91 23 00-0337 Paint Interior Metal Trim *(09 91 23 00-0336)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	0.74	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	0.79	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	1.46	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	0.64	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	0.69	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.28	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0344		**Paint Interior Wood Trim** *(09 91 23 00-0336)*		
09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.44	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.03*	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.49	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.03*	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.99	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	1.41	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	1.56	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	2.87	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.18*	
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	1.20	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.08*	
09 91 23 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	1.33	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	2.43	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.16*	

09 91 23 00-0354 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0354)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0356	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.10	
		For Electrostatic Painting, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.05*	
		For >100 To 250, Add	*0.03*	
		For >250 To 500, Add	*0.01*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.02*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0357	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces		0.58	
		For Electrostatic Painting, Add		*0.10*	
		For Work >15' To 20' Above Floor, Add		*0.05*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.08*	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		*0.12*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.17*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.27*	
		For >100 To 250, Add		*0.14*	
		For >250 To 500, Add		*0.06*	
		For >2,500 To 5,000, Deduct		*-0.03*	
		For >5,000 To 10,000, Deduct		*-0.06*	
		For >10,000 To 20,000, Deduct		*-0.09*	
		For >20,000, Deduct		*-0.12*	
09 91 23 00-0358	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces		0.64	
		For Electrostatic Painting, Add		*0.10*	
		For Work >15' To 20' Above Floor, Add		*0.06*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.09*	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		*0.15*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.20*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.32*	
		For >100 To 250, Add		*0.16*	
		For >250 To 500, Add		*0.07*	
		For >2,500 To 5,000, Deduct		*-0.03*	
		For >5,000 To 10,000, Deduct		*-0.06*	
		For >10,000 To 20,000, Deduct		*-0.10*	
		For >20,000, Deduct		*-0.13*	
09 91 23 00-0359	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces		1.18	
		For Electrostatic Painting, Add		*0.19*	
		For Work >15' To 20' Above Floor, Add		*0.11*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.18*	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		*0.28*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.39*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.60*	
		For >100 To 250, Add		*0.30*	
		For >250 To 500, Add		*0.13*	
		For >2,500 To 5,000, Deduct		*-0.06*	
		For >5,000 To 10,000, Deduct		*-0.12*	
		For >10,000 To 20,000, Deduct		*-0.18*	
		For >20,000, Deduct		*-0.24*	
09 91 23 00-0360	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces		0.79	
		For Electrostatic Painting, Add		*0.12*	
		For Work >15' To 20' Above Floor, Add		*0.07*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.12*	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		*0.20*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.27*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.41*	
		For >100 To 250, Add		*0.20*	
		For >250 To 500, Add		*0.09*	
		For >2,500 To 5,000, Deduct		*-0.04*	
		For >5,000 To 10,000, Deduct		*-0.08*	
		For >10,000 To 20,000, Deduct		*-0.12*	
		For >20,000, Deduct		*-0.16*	
09 91 23 00-0361	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces		0.79	
		For Electrostatic Painting, Add		*0.12*	
		For Work >15' To 20' Above Floor, Add		*0.07*	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		*0.12*	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		*0.20*	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		*0.27*	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		*0.41*	
		For >100 To 250, Add		*0.20*	
		For >250 To 500, Add		*0.09*	
		For >2,500 To 5,000, Deduct		*-0.04*	
		For >5,000 To 10,000, Deduct		*-0.08*	
		For >10,000 To 20,000, Deduct		*-0.12*	
		For >20,000, Deduct		*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0362	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.31	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0363		**Stencil Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0364	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.12	
		For >200 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.18*	
		For >2,000, Deduct	*-0.22*	
09 91 23 00-0365	EA	1" To 2" High, Stencil Painting, Per Letter/Number	1.28	
		For >200 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000, Deduct	*-0.26*	
09 91 23 00-0366	EA	2" To 3" High, Stencil Painting, Per Letter/Number	2.10	
		For >200 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.34*	
		For >2,000, Deduct	*-0.42*	
09 91 23 00-0367	EA	3" To 4" High, Stencil Painting, Per Letter/Number	2.57	
		For >200 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.51*	
09 91 23 00-0368	EA	4" To 6" High, Stencil Painting, Per Letter/Number	3.52	
		For >200 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000, Deduct	*-0.70*	
09 91 23 00-0369	EA	6" To 12" High, Stencil Painting, Per Letter/Number	4.64	
		For >200 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.74*	
		For >2,000, Deduct	*-0.93*	
09 91 23 00-0370	EA	Over 12" High, Stencil Painting, Per Letter/Number	5.44	
		For >200 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-0.87*	
		For >2,000, Deduct	*-1.09*	
09 91 23 00-0371		**Logo Painting** *(09 91 23)*		
09 91 23 00-0372	SF	Simple Design, Paint Logo	19.17	
09 91 23 00-0373	SF	Complex Design, Paint Logo	22.46	
09 91 23 00-0374		**Paint Additives** *(09 91 23)*		
09 91 23 00-0375	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0376	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	
09 91 23 00-0377		**Hand Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0378	EA	Up To 1" High, Hand Paint, Per Letter/Number	1.35	
09 91 23 00-0379	EA	1" To 2" High, Hand Paint, Per Letter/Number	1.55	
09 91 23 00-0380	EA	2" To 3" High, Hand Paint, Per Letter/Number	2.32	
09 91 23 00-0381	EA	3" To 4" High, Hand Paint, Per Letter/Number	2.83	
09 91 23 00-0382	EA	4" To 6" High, Hand Paint, Per Letter/Number	3.88	
09 91 23 00-0383	EA	6" To 12" High, Hand Paint, Per Letter/Number	4.89	
09 91 23 00-0384	EA	Over 12" High, Hand Paint, Per Letter/Number	5.73	
09 91 23 00-0385		**Glove/Mitt Application** *(09 91 23)*		
09 91 23 00-0386		**Conduit/Pipe** *(09 91 23 00-0385)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0387	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	25.11	
		For Work >15' To 20' Above Floor, Add	*3.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*8.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.87*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	54.42	
		For Work >15' To 20' Above Floor, Add	*3.88*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*10.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*14.24*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	44.69	
		For Work >15' To 20' Above Floor, Add	*2.85*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.75*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*7.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*10.44*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0390	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	38.31	
		For Work >15' To 20' Above Floor, Add	*2.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*5.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0391	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	79.62	
		For Work >15' To 20' Above Floor, Add	*3.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*8.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.87*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0392	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	74.63	
		For Work >15' To 20' Above Floor, Add	*2.85*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.75*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*7.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*10.44*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0393 Ductwork *(09 91 23 00-0385)*

09 91 23 00-0394	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	25.11	
		For Work >15' To 20' Above Floor, Add	*3.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*8.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.87*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0395	CSF	Metal Primer Ductwork With Glove/Mitt	57.04	
		For Work >15' To 20' Above Floor, Add	*3.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*8.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.87*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0396	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	40.59	
		For Work >15' To 20' Above Floor, Add	*2.59*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*6.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*9.49*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0397	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	75.45	
		For Work >15' To 20' Above Floor, Add	*3.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*8.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.87*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0398	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	67.76	
		For Work >15' To 20' Above Floor, Add	*2.59*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*4.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*6.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*9.49*	
		Note: Applied only to work area above 40'.		

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	67.54
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	43.03
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	54.57
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	154.56
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	45.00
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	69.38
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	55.69
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	43.03
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	39.10
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	68.91
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	57.38
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	57.38
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	64.69
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	42.19
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	115.59
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	45.00
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	36.00
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	93.10
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	58.05
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	65.50

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	31.50
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	156.20
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	16.88
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	97.60
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	51.19
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	22.41
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	33.99
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	92.71
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	91.52
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	74.71
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	68.48
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	65.00
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	76.58
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	67.99
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	96.78
09 91 33 00-0038	GAL	Cold Galvanizing Paint	372.72
09 91 33 00-0039	GAL	High Heat Paint	163.65
09 91 33 00-0040	GAL	Heat Resistant Paint	109.10
09 91 33 00-0041	GAL	Zinc Chromate Paint	98.71
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	38.96
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	109.10
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	67.99
09 91 33 00-0045	GAL	Alkyd Latex, Black	80.96
09 91 33 00-0046	GAL	Alkyd Latex, White	73.60
09 91 33 00-0047	GAL	Alkyd Latex, Colors	88.75
09 91 33 00-0048	QT	Wrought Iron Paint, Black	99.58
09 91 33 00-0049	GAL	Vinyl Paint	86.07
09 91 33 00-0050	GAL	Silicone Alkyd	104.63
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	106.32
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	133.32
09 91 33 00-0053	GAL	Chlorinated Rubber	97.88
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	101.26
09 91 33 00-0055	GAL	Coal Tar Epoxy	72.57
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	90.57
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	118.13
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	81.00
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	51.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	63.43	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	105.47	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	35.72	
09 91 33 00-0063	GAL	Linseed Oil	31.22	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	51.19	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	57.66	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	52.74	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	42.38	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	29.25	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	54.57	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	48.66	
09 91 33 00-0072	GAL	Varnish, Clear	47.44	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.45	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.79	
09 91 33 00-0075	GAL	Polyurethane	54.06	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	51.34	
09 91 33 00-0077	GAL	Shellac, Clear	67.35	
09 91 33 00-0078	GAL	Acetone	22.22	
09 91 33 00-0079	GAL	Paint Thinner	5.48	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	22.50	
09 91 33 00-0081	GAL	Turpentine	30.94	
09 91 33 00-0082	GAL	Wood Filler Paste	52.88	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	42.19	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	109.22	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.55
		For Ceiling Work, Add	*0.06*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.03*
		For >20,000, Deduct	*-0.05*
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.45
		For Ceiling Work, Add	*0.05*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.03*
		For >20,000, Deduct	*-0.04*
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.22
		For Ceiling Work, Add	*0.01*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.02*
		For >20,000, Deduct	*-0.03*

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	0.63
		For Up To 100, Add	*0.42*
		For >100 To 250, Add	*0.20*
		For >250 To 500, Add	*0.09*
		For >4,000, Deduct	*-0.03*
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	0.95
		For Up To 100, Add	*0.62*
		For >100 To 250, Add	*0.29*
		For >250 To 500, Add	*0.13*
		For >4,000, Deduct	*-0.05*

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.37
		For Up To 100, Add	*0.18*
		For >100 To 250, Add	*0.09*
		For >250 To 500, Add	*0.04*
		For >4,000, Deduct	*-0.02*
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.31
		For Up To 100, Add	*0.14*
		For >100 To 250, Add	*0.07*
		For >250 To 500, Add	*0.03*
		For >4,000, Deduct	*-0.02*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0007		**Stain Wood Door And Window** *(09 93 23 13)*		
09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	29.17	
		For Up To 4, Add	*20.43*	
		For >4 To 10, Add	*9.61*	
		For >10 To 20, Add	*4.13*	
		For >160, Deduct	*-1.46*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	21.88	
		For Up To 4, Add	*14.29*	
		For >4 To 10, Add	*6.77*	
		For >10 To 20, Add	*2.93*	
		For >160, Deduct	*-1.09*	
09 93 23 13-0010		**Stain Wood Cabinet** *(09 93 23 13)*		
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	0.75	
09 93 23 53		**Interior Finishing** *(09 93 23)*		
09 93 23 53-0001		**Concrete Finishes** *(09 93 23 53)*		
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.56	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0003		**Wood Trim Finishes** *(09 93 23 53)*		
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	0.85	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.53	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0006		**Wood Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	1.62	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >4,000, Deduct	*-0.08*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.43	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	1.86	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >4,000, Deduct	*-0.09*	
09 93 23 53-0010		**Wood Door And Window Finishes** *(09 93 23 53)* See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	21.16	
		For Up To 4, Add	*14.73*	
		For >4 To 10, Add	*6.93*	
		For >10 To 20, Add	*2.98*	
		For >160, Deduct	*-1.06*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	66.00	
		For Up To 4, Add	*44.26*	
		For >4 To 10, Add	*20.92*	
		For >10 To 20, Add	*9.03*	
		For >160, Deduct	*-3.30*	
09 93 23 53-0013		**Cabinet Finishes** *(09 93 23 53)*		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	0.76	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	0.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.14	
		For Stage Or Dance Floors, Deduct	*-0.04*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.18	
		For Stage Or Dance Floors, Deduct	*-0.04*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.22	
		For Stage Or Dance Floors, Deduct	*-0.04*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.14	
		For Stage Or Dance Floors, Deduct	*-0.04*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.18	
		For Stage Or Dance Floors, Deduct	*-0.04*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	2.22	
		For Stage Or Dance Floors, Deduct	*-0.04*	

09 96 High-Performance Coatings *(09 90)*

09 96 13 Abrasion-Resistant Coatings *(09 96)*

09 96 13 00-0001 High-Performance Coatings (Colortex PolyShield Plus) *(09 96 13)*
Note: Excludes primer.

09 96 13 00-0002	SF	Two Step, Water-Based High-Performance Coating (Colortex PolyShield Plus)	2.49	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	0.96	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.07	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*
Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.56	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.47	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.47	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	1.62	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.56	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	1.90	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	0.61	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.53	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.51	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	1.69	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	1.61	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	1.95	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	2.12

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	3.88

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.22
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	5.72
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	8.78

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	2.68

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.

09 97 13 23-0003	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	0.76
		For Up To 100, Add	*0.57*
		For >100 To 250, Add	*0.27*
		For >250 To 500, Add	*0.11*
09 97 13 23-0004	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	0.73
		For Up To 100, Add	*0.55*
		For >100 To 250, Add	*0.26*
		For >250 To 500, Add	*0.11*
09 97 13 23-0005	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	0.73
		For Up To 100, Add	*0.55*
		For >100 To 250, Add	*0.26*
		For >250 To 500, Add	*0.11*
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	0.98
		For Up To 100, Add	*0.74*
		For >100 To 250, Add	*0.34*
		For >250 To 500, Add	*0.15*

09 97 13 23-0007 SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0008	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	0.83	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	1.07	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0012	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	0.97	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	

09 97 13 23-0013 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0014	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.60	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0015	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.55	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 97 13 23-0016	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.54	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 97 13 23-0017	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	0.76	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	

09 97 13 23-0018 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.54	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.34	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.25	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0022	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	1.91	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	

09 97 13 23-0023 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0024	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	2.98	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0025	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	2.57	
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0026	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	2.37	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0027	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	3.58	
		For Up To 100, Add	*2.51*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	

09 97 13 23-0028 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0029	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.23	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0030	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	1.90	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0031	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	1.80	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0032	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	2.60	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	

09 97 13 23-0033 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0034 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0035	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.66	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0036	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.51	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 97 13 23-0037	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.47	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
09 97 13 23-0038	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	0.76	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0039	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	0.81	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0040	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.62	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0041	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.56	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 97 13 23-0042	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	0.95	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	

09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0044	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.97	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0045	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.49	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0046	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.42	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0047	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.32	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0048	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.48	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0049	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.12	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0050	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.06	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0051	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.75	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0052	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.56	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0053	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.91	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0054	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.78	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0055	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.07	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.92	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.43	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.34	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.31	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	

09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0061	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.50	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.26	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.17	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.81	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.96	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.81	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0067	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.75	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.16	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.84	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.52	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.41	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.24	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.17	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.97	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.91	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0076	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.42	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	

09 97 13 23-0077 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0078	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.80	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0079	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.19	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0080	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.03	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0081	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.09	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0082	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.96	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0083	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.53	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0084	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.42	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0085	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.16	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	

09 97 13 23-0086 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.17	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.53	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.37	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0090	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.48	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0091	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.60	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0092	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.07	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0093	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	1.94	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0094	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	2.85	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	

09 97 13 23-0095 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0096	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.46	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*1.45*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0097	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.18	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.05	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.22	
		For Up To 100, Add	*3.43*	
		For >100 To 250, Add	*1.70*	
		For >250 To 500, Add	*0.75*	

09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.68	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.16	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.08	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.04	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.90	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.50	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0107	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.43	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0108	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	3.18	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	

09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0033)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0110	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.75	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0111	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.30	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0112	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.18	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0113	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	3.24	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	

09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0115	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.49	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0116	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.90	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0117	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.70	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0118	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.81	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	

09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0120	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	1.62	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0121	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.29	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0122	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.26	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0123	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.70	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	

09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0033)*

Note: Installed over existing primer.

09 97 13 23-0125	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.27	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0126	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.92	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0127	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.76	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0128	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.56	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0002		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.73	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.65	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.91	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0006		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.51	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.42	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	0.71	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0010		SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.25	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	1.65	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0014		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	2.26	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	2.16	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	3.10	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0018		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	1.79	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	1.79	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	2.59	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 24-0022		Protective Coatings For Tanks *(09 97 13 24)*		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023		1.5 Mil Prime Coat For Tanks *(09 97 13 24-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.42	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.36	
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	0.71	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.50	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.43	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	0.87	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.28	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.07	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.06	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.96	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.81	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.55	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.59	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.29	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.73	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.20	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.97	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.04	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.08	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	0.96	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.03	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.69	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.61	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.30	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.29	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.12	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.60	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.83	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.72	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.76	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.90	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.74	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.33	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.22	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	

09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.23	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.07	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.83	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.69	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	

09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.89	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.45*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.65	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.41*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.54	
		For Up To 100, Add	*3.21*	
		For >100 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.70*	

09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.81	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.63	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.62	
		For Up To 100, Add	*1.58*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.22	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.08	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	2.86	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	

09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.14	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.90	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	2.55	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	

09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.54	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.46	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.08	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	

09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*

09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.22	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.26	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.20*	

09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.18	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.16	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.55	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.68	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.56	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.10	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	5.15	
		For Up To 100, Add	*2.65*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.57*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	1.73	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	1.39	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	11.24	
		Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	6.54	
		Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	12.17	
		Note: Includes two coats of primer and white or black surface coat.		
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.05	
09 97 63 00-0003		ENECON Coatings *(09 97 63)*		
09 97 63 00-0004		METALCLAD Systems *(09 97 63 00-0003)*		
		Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.		
09 97 63 00-0005	CI	DurAlloy	15.13	
09 97 63 00-0006	CI	SpeedAlloy	24.10	
09 97 63 00-0007	CI	SpeedAlloy QS	16.57	
09 97 63 00-0008	CI	CeramAlloy CP+ (AC)	16.29	
09 97 63 00-0009	SF	CeramAlloy CL+ (AC)	41.54	
09 97 63 00-0010	CI	CeramAlloy CBX	21.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0011		**FLEXICLAD Systems** *(09 97 63 00-0003)*		
		Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.		
09 97 63 00-0012	CI	DuraTough DP	23.83	
09 97 63 00-0013	SF	DuraTough DL (One Coat 12 Mil)	203.00	
09 97 63 00-0014		**ENESEAL Systems** *(09 97 63 00-0003)*		
		Note: Material only.		
09 97 63 00-0015	SF	ENESEAL HR (One Coat 6 Mil)	1.74	
09 97 63 00-0016	SF	ENESEAL CR (Corrosion Resistant) (One Coat 6 Mil)	3.99	
09 97 63 00-0017		**ENECETE Systems** *(09 97 63 00-0003)*		
		Note: Material only.		
09 97 63 00-0018	SF	1/4" DuraQuartz	60.96	
09 97 63 00-0019	CI	WP (Superfast Water Plug)	1.31	
09 97 63 00-0020	SF	WS (Water Seal)	10.44	
09 97 63 00-0021	SF	DuraFill Bulk Resin (One Coat 6 Mil)	4.96	
09 97 63 00-0022	SF	Permaflex (Flexible Primer)	2.83	
09 97 63 00-0023	SF	Xypex	1.86	
09 97 63 00-0024		**CHEMCLAD Systems** *(09 97 63 00-0003)*		
		Note: Material only.		
09 97 63 00-0025	SF	Chemclad SC (One Coat 6 Mil)	11.61	
09 97 63 00-0026	SF	Chemclad XC (One Coat 8 Mil)	14.11	
09 97 63 00-0027	SF	Chemclad P4C Primer	3.10	
09 97 63 00-0028	SF	NSP 120 Potable Water	3.30	
09 97 63 00-0029		**ENECLAD Systems** *(09 97 63 00-0003)*		
		Note: Material only.		
09 97 63 00-0030	SF	Eneclad FPS 2000 (Floor Protection System) (One Coat 8 Mil)	5.16	
09 97 63 00-0031	SF	Eneclad Superbond (One Coat 4 Mil)	5.78	
09 97 63 00-0032	SF	Eneclad CFS (Clear Floor Sealer) (One Coat 2 Mil)	2.48	
09 97 63 00-0033	SF	Eneclad SPS (Self Priming Screed) (One Coat 1/8")	9.87	
09 97 63 00-0034		**ENECON Crew For ENECON Coating Systems** *(09 97 63 00-0003)*		
09 97 63 00-0035	DAY	ENECON 2 Man Crew For Application Of ENECON Products	1,500.00	
09 97 63 00-0036		**Thortex Coatings** *(09 97 63)*		
09 97 63 00-0037		**Thortex Concrete Protection System** *(09 97 63 00-0036)*		
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0038	SF	1/4" Thortex Wall Tech L W Concrete Repair And Protection System	42.50	
		For >1,000, Deduct	*-2.50*	
09 97 63 00-0039	SF	1/4" Thortex Floor Tech P R Concrete Repair And Protection System	42.50	
		For >1,000, Deduct	*-2.50*	
09 97 63 00-0040	SF	Thortex Floor Tech RS (Resurfacing Screed) Floor Repair and Protection System	32.81	
		For >2,000, Deduct	*-1.75*	
09 97 63 00-0041		**Thortex Floor Repair and Protection System** *(09 97 63 00-0036)*		
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0042	SF	Thortex Floor Tech HB Floor Repair and Protection System (One Coat 8-10 Mil Average)	3.85	
		For >5,000, Deduct	*-0.25*	
09 97 63 00-0043	SF	Thortex Floor Tech SP Primer (One Coat 4 Mil)	3.23	
		For >10,000, Deduct	*-0.15*	
09 97 63 00-0044		**Thortex Chemical Protection System** *(09 97 63 00-0036)*		
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0045	SF	Thortex Chemi Tech UC/Hycote 175 Chemical Protection System (One Coat 10 Mil Average)	12.82	
		For >9500, Deduct	*-0.25*	
09 97 63 00-0046	SF	Thortex Chemi Tech USR Chemical Protection System (One Coat 20 Mil Average)	31.30	
		For >9500, Deduct	*-1.85*	
09 97 63 00-0047	SF	Thortex Chemi Tech CR Chemical Protection System (One Coat 10 Mil Average)	7.69	
		For >9500, Deduct	*-0.50*	
09 97 63 00-0048	SF	Thortex Chemi Tech EP Chemical Protection System (One Coat 10 Mil Average)	4.61	
		For >9,500, Deduct	*-0.25*	
09 97 63 00-0049		**Thortex Metal Repair Systems** *(09 97 63 00-0036)*		
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.		
09 97 63 00-0050	CI	Thortex Metal Tech EG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	
09 97 63 00-0051	CI	Thortex Metal Tech RG Metal Repair System	23.07	
		For >5,000, Deduct	*-1.50*	
09 97 63 00-0052	CI	Thortex Metal Tech FG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	
09 97 63 00-0053	CI	Thortex Metal Tech XG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0054	CI	Thortex Metal Tech SG Metal Repair System	63.06	
09 97 63 00-0055	SF	Thortex Metal Tech Polymer pipe wrap system (1/4 inch wrap with mesh) per SF of pipe exterior (100 SF minimum)	364.02	

09 97 63 00-0056 Thortex Rubber Repair System *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0057	CI	Thortex Flexi Tech 80 FG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0058	CI	Thortex Flexi Tech 80 EG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0059	CI	Thortex Flexi Tech 80 BG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	

09 97 63 00-0060 Thortex Ceramic Repair System *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0061	CI	Thortex Cerami Flex EG Ceramic Repair System	7.95	
		For >7,500, Deduct	*-0.50*	
09 97 63 00-0062	SF	Thortex Cerami Flex FG Ceramic Repair System	7.95	
		For >7,500, Deduct	*-0.50*	
09 97 63 00-0063	CI	Thortex Cerami Tech EG Ceramic Repair System	12.82	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0064	SF	Thortex Cerami Tech FG Ceramic Repair System	24.46	
		For >7,500, Deduct	*-1.50*	
09 97 63 00-0065	SF	Thortex Cerami Tech CR Ceramic Repair System	15.38	
		For >7,500, Deduct	*-1.50*	

09 97 63 00-0066 Thortex Corrosion Protection Systems *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0067	SF	Thortex Corro Tech GP Corrosion Protection System	4.36	
		For >7,500, Deduct	*-0.50*	

09 97 63 00-0068 Thortex Miscellaneous Coating Systems *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0069	SF	Thortex Glaze Tech Coating for Glass	4.30	
		For >10,750, Deduct	*-0.86*	
09 97 63 00-0070	SF	Thortex Therma Tech LG Encapsulation System	1.68	
		For >29,500, Deduct	*-0.29*	

09 97 63 00-0071 Thortex Crew for Thortex Coating Systems *(09 97 63 00-0036)*

Note: Includes all labor, equipment, subcontractor costs, travel expenses necessary to install tasks.

09 97 63 00-0072	DAY	Application Of Thortex Coating System, Per Man (Minimum 3 Men Per Crew) (3M Skotchkote) Note: Excludes grit blast and generator. Excludes material.	1,350.00	

END OF SECTION 09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 30 Operation and Maintenance of Fireplaces and Stoves *(10 01)*

10 01 30 00-0001 Fireplace Cleaning *(10 01 30)*

10 01 30 00-0002	EA	Inspect And Clean Fireplace Insert	111.01	
10 01 30 00-0003	EA	Inspect And Clean Fireplace Insert And Chimney	133.21	
10 01 30 00-0004	EA	Inspect And Clean Fireplace Brick/Masonry Chimney	177.62	

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.96	
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	21.07	
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.91	
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.80	
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	28.65	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.87	
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.69	
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	39.12	
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	61.75	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.63	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	161.30	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	225.82	
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	92.98	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	294.35	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	230.35	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	194.65	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	161.55	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	75.99	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	22.21	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	4.45	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	37.11	4.39
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.17	2.07
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.77	1.78
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.68	1.17
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.26	0.64

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	39.74	4.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.74	2.07
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.13	1.78
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.54	1.17
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.06	0.64
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	35.49	4.39
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	23.52	2.07
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	20.18	1.78
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.36	1.17
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	14.78	0.64
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	5.63	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	11.43	2.07
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	14.35	2.07
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	16.48	2.83
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	17.48	5.16
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	10.02	2.83
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	9.68	2.83
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	10.67	2.83
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.56	2.83
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	10.67	2.83
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,001.46	51.60
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,259.42	51.60
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,565.84	54.96
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,865.56	54.96
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,589.07	59.08
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,828.14	59.08
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,334.83	61.92
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,928.29	61.92
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,770.93	51.60
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,305.26	51.60
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,790.62	54.96
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,281.21	54.96
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,887.42	59.08
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,103.62	59.08
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,999.02	61.92
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,720.72	61.92
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,098.99	51.60
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,535.90	51.60
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,002.38	54.96
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,503.90	54.96
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,468.00	59.08
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,698.12	59.08
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,743.63	61.92
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,542.44	61.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0029		**Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)** *(10 11 13 33)*		
10 11 13 33-0030		**One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,411.52	51.60
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,671.47	51.60
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,924.21	54.96
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,375.51	54.96
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,699.86	59.08
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,116.36	59.08
10 11 13 33-0037		**Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,582.54	51.60
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,986.12	51.60
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,384.48	54.96
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,127.03	54.96
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,581.57	59.08
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,255.51	59.08
10 11 13 33-0044		**Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,927.53	51.60
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,477.73	51.60
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,022.71	54.96
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,055.50	54.96
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,652.16	59.08
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,601.45	59.08
10 11 13 33-0051		**Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)** *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		**One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,865.65	103.21
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,095.90	103.21
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,346.52	106.43
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,768.23	106.43
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,228.21	109.65
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,635.01	109.65
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,508.04	116.10
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,620.58	116.10
10 11 13 33-0061		**Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,484.82	103.21
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,789.23	103.21
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,122.96	106.43
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,742.71	106.43
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,353.00	109.65
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,941.93	109.65
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,125.33	116.10
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,303.68	116.10
10 11 13 33-0070		**Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,277.87	103.21
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,046.14	103.21
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,447.07	106.43
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,252.92	106.43
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,094.05	109.65
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,908.85	109.65
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,504.02	116.10
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,817.77	116.10
10 11 13 33-0079		**Sliding Chalkboard And Markerboard Accessories** *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	600.65	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,029.12	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0001		Porcelain Enamel Steel Markerboards *(10 11 16 13)*		
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	37.28	4.39
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.75	2.07
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.77	1.78
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.89	1.17
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	16.03	0.64
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	39.78	4.39
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.50	2.07
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.88	1.78
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.30	1.17
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.34	0.64
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	35.47	4.39
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	23.53	2.07
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.39	1.78
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.48	1.17
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	14.50	0.64
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	27.84	4.39
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	18.26	2.07
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	15.86	1.78
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.26	1.17
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	10.52	0.64
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)* Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	26.99	4.39
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	17.86	2.07
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.30	1.78
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.27	1.17
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.62	0.64
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	46.39	4.39
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	32.75	2.07
		For Magnetic Surface, Add	*2.86*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.24	1.78
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	26.03	1.17
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	23.40	0.64
		For Magnetic Surface, Add	*2.21*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	46.39	4.39
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	32.75	2.07
		For Magnetic Surface, Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.24	1.78
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	26.03	1.17
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	23.40	0.64
		For Magnetic Surface, Add	*2.21*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	92.99	4.39
		For Magnetic Surface, Add	*8.42*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	60.75	2.07
		For Magnetic Surface, Add	*5.66*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	51.24	1.78
		For Magnetic Surface, Add	*4.77*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	44.22	1.17
		For Magnetic Surface, Add	*4.19*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	35.02	0.64
		For Magnetic Surface, Add	*3.37*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	21.34	1.78
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	19.18	1.17
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	17.00	0.64
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)*		
		Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	30.96	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	36.12	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	41.28	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	46.44	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	51.60	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	11.19	2.07
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	13.81	2.07
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	13.75	2.07
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	6.43	2.07
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*		
		See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	1,976.17	51.60
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,225.70	51.60
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,523.69	54.96
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,814.97	54.96
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,530.06	59.08
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,760.70	59.08
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,250.53	61.92
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,827.13	61.92
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,745.63	51.60
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,271.53	51.60
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,748.47	54.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,230.63	54.96
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,828.41	59.08
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,036.18	59.08
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,914.72	61.92
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,619.56	61.92

10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,073.70	51.60
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,502.17	51.60
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,960.22	54.96
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,453.32	54.96
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,408.98	59.08
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,630.68	59.08
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,659.33	61.92
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,466.57	61.92

10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*

10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,377.80	51.60
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,629.32	51.60
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,873.63	54.96
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,308.07	54.96
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,615.55	59.08
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,015.20	59.08

10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,515.10	51.60
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,901.82	51.60
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,283.32	54.96
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,992.14	54.96
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,412.96	59.08
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,053.19	59.08

10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,826.37	51.60
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,351.28	51.60
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,870.96	54.96
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,853.17	54.96
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,399.25	59.08
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,297.95	59.08

10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*

Note: Excludes remotes.

10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,823.50	103.21
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,043.21	103.21
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,283.29	106.43
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,683.93	106.43
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,122.83	109.65
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,508.55	109.65
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,360.51	116.10
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,451.97	116.10

10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,400.52	103.21
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,683.85	103.21
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,996.51	106.43
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,574.10	106.43
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,142.24	109.65
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,689.02	109.65
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,830.27	116.10
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,966.46	116.10

10 11 16 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,151.41	103.21
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,888.07	103.21
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,257.39	106.43
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,000.01	106.43
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,777.92	109.65
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,529.49	109.65
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,061.43	116.10
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,311.95	116.10

10 11 16 33-0079 Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*

See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

10 11 16 53 Electronic Markerboards *(10 11 16)*

10 11 16 53-0001 Interactive White Boards *(10 11 16 53)*

10 11 16 53-0002	EA	Mobile System, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 378 Mobile System) Note: Includes ActivBoard 378, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.	10,280.35
10 11 16 53-0003	EA	Mobile System, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 387 Mobile System) Note: Includes ActivBoard 387, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.	10,741.48
10 11 16 53-0004	EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	7,850.38
10 11 16 53-0005	EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	8,235.47
10 11 16 53-0006	EA	Fixed Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 395 PRO) Note: Includes ActivBoard 395 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	9,022.81
10 11 16 53-0007	EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	8,799.61
10 11 16 53-0008	EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	10,045.62
10 11 16 53-0009	EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	9,359.22
10 11 16 53-0010	EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	9,727.14
10 11 16 53-0011	EA	Adjustable Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 395 PRO) Note: Includes ActivBoard 395 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	16,999.63
10 11 16 53-0012	EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	11,490.68
10 11 16 53-0013	EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	10,485.04

10 11 23 Tackboards *(10 11)*

10 11 23 13 Fixed Tackboards *(10 11 23)*

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 Fixed Tackboards *(10 11 23 13)*

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*

10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	22.12	4.39
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.41	2.07
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.64	1.78
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.78	1.17
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.56	0.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0009		**1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	23.69	4.39
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.14	2.07
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.26	1.78
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.20	1.17
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	7.65	0.64
10 11 23 13-0015		**1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.86	4.39
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.67	2.07
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	14.74	1.78
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	11.72	1.17
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	9.77	0.64
10 11 23 13-0021		**Burlap Backed Cork Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		**5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	26.67	4.39
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.88	2.07
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.42	1.78
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	15.58	1.17
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	14.46	0.64
10 11 23 13-0028		**1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	30.49	4.39
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.95	2.07
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.52	1.78
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.56	1.17
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.64	0.64
10 11 23 13-0034		**Polyester Fabric Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		**5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	23.20	4.39
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.73	2.07
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	13.13	1.78
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.31	1.17
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	9.93	0.64
10 11 23 13-0041		**1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.35	4.39
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.53	2.07
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	16.48	1.78
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.63	1.17
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	11.76	0.64
10 11 23 13-0047		**Vinyl Fabric Surface, Fixed Tackboards** *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		**5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series)** *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	22.12	4.39
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.49	2.07
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.76	1.78
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.78	1.17
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	8.37	0.64
10 11 23 13-0054		**1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series)** *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.86	4.39
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.44	2.07
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.74	1.78
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.72	1.17
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	9.77	0.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 12 Display Cases *(10 10)*				
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,897.11	79.06
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,066.25	79.06
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	1,997.37	79.06
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	2,101.12	35.15
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,191.50	79.06
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,661.85	79.06
10 13 Directories *(10 10)*				
10 13 11 Directory and Bulletin Boards *(10 13)*		Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	42.25	4.39
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	29.23	2.07
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	26.76	1.78
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.84	1.17
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	17.20	0.64
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	42.75	4.39
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	29.56	2.07
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	27.42	1.78
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.76	1.17
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	17.69	0.64
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	116.98	4.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	96.67	2.07
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	80.85	1.78
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	75.84	1.17
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	69.39	0.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0023		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*		
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	99.41	4.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	83.62	1.78
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	60.19	1.17
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	54.97	0.64
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	103.81	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.01*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	83.01	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.78*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	70.18	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.32*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	51.87	1.17
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.91*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	49.26	0.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.59*	
10 13 11 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*		
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	164.62	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.17*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	96.60	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	81.30	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.55*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	63.09	1.17
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.15*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	59.21	0.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.58*	
10 13 11 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*		
10 13 11 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*		
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	161.55	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	109.60	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	106.95	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0047		Wall Mounted Bulletin Boards *(10 13 11)*		
10 13 11 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)* Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*		
10 13 11 00-0050		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*		
10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	113.99	4.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	94.43	2.07
		For Fluorescent Lights, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	78.62	1.78
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	73.73	1.17
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	68.39	0.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0056		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*		
10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	94.11	4.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	78.58	1.78
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	56.29	1.17
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	51.99	0.64
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0061		Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*		
10 13 11 00-0062		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*		
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.54	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.55*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.73	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.32*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	72.90	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.87*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.60	1.17
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.46*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	51.99	0.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.14*	
10 13 11 00-0068		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*		
10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	167.35	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.71*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	99.32	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.04*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.02	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.09*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.82	1.17
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.70*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	61.93	0.64
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.13*	
10 13 11 00-0074		Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*		
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*		
10 13 11 00-0076		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*		
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	158.82	4.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.88	2.07
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	104.25	1.78
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	283.65	12.88
		For >5 To 10, Deduct	*-30.69*	
		For >10 Each, Deduct	*-53.90*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	304.09	12.88
		For >5 To 10, Deduct	*-32.93*	
		For >10 Each, Deduct	*-58.19*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	338.48	12.88
		For >5 To 10, Deduct	*-36.72*	
		For >10 Each, Deduct	*-65.41*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	312.39	12.88
		For >5 To 10, Deduct	*-33.85*	
		For >10 Each, Deduct	*-59.93*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	199.75	12.88
		For >5 To 10, Deduct	*-21.46*	
		For >10 Each, Deduct	*-36.28*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	191.45	12.88
		For >5 To 10, Deduct	*-20.54*	
		For >10 Each, Deduct	*-34.54*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque	213.44	15.98
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-22.83*	
		For >10 Each, Deduct	*-37.74*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	217.95	15.98
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-23.33*	
		For >10 Each, Deduct	*-38.68*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	333.58	15.98
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-36.05*	
		For >10 Each, Deduct	*-62.97*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	248.84	32.21
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-26.73*	
		For >10 Each, Deduct	*-45.17*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	211.20	32.21
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-22.59*	
		For >10 Each, Deduct	*-37.27*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	109.67	8.78
		For >5 To 10, Deduct	*-11.72*	
		For >10 Each, Deduct	*-19.25*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	241.91	8.78
		For >5 To 10, Deduct	*-26.27*	
		For >10 Each, Deduct	*-47.02*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	79.56	8.78
		For >5 To 10, Deduct	*-8.41*	
		For >10 Each, Deduct	*-12.92*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	105.54	8.78
		For >5 To 10, Deduct	*-11.27*	
		For >10 Each, Deduct	*-18.38*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering	205.82	32.21
		For >5 To 10, Deduct	*-22.00*	
		For >10 Each, Deduct	*-36.14*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	38.54	3.22
		For Installation With Adhesive, Deduct	*-3.22*	
		For Clear Anodized, Add	*2.57*	
		For Satin Face And Enameled Return, Add	*7.70*	
		For Patina Finish, Add	*10.26*	
		For Color Anodized, Add	*12.83*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	47.47	3.48
		For Installation With Adhesive, Deduct	*-3.76*	
		For Clear Anodized, Add	*3.36*	
		For Satin Face And Enameled Return, Add	*10.07*	
		For Patina Finish, Add	*13.42*	
		For Color Anodized, Add	*16.78*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	52.44	3.74
		For Installation With Adhesive, Deduct	*-4.12*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*11.25*	
		For Patina Finish, Add	*15.00*	
		For Color Anodized, Add	*18.75*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	60.44	4.28
		For Installation With Adhesive, Deduct	*-4.72*	
		For Clear Anodized, Add	*4.34*	
		For Satin Face And Enameled Return, Add	*13.03*	
		For Patina Finish, Add	*17.37*	
		For Color Anodized, Add	*21.72*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	67.39	4.50
		For Installation With Adhesive, Deduct	*-5.17*	
		For Clear Anodized, Add	*4.94*	
		For Satin Face And Enameled Return, Add	*14.81*	
		For Patina Finish, Add	*19.74*	
		For Color Anodized, Add	*24.68*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	81.80	5.15
		For Installation With Adhesive, Deduct	*-6.15*	
		For Clear Anodized, Add	*6.12*	
		For Satin Face And Enameled Return, Add	*18.36*	
		For Patina Finish, Add	*24.48*	
		For Color Anodized, Add	*30.60*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	92.71	5.41
		For Installation With Adhesive, Deduct	*-6.80*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*21.32*	
		For Patina Finish, Add	*28.42*	
		For Color Anodized, Add	*35.53*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	108.07	5.80
		For Installation With Adhesive, Deduct	*-7.72*	
		For Clear Anodized, Add	*8.49*	
		For Satin Face And Enameled Return, Add	*25.46*	
		For Patina Finish, Add	*33.95*	
		For Color Anodized, Add	*42.44*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	133.38	6.70
		For Installation With Adhesive, Deduct	*-9.35*	
		For Clear Anodized, Add	*10.66*	
		For Satin Face And Enameled Return, Add	*31.98*	
		For Patina Finish, Add	*42.64*	
		For Color Anodized, Add	*53.30*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	161.20	7.73
		For Installation With Adhesive, Deduct	*-11.15*	
		For Clear Anodized, Add	*13.03*	
		For Satin Face And Enameled Return, Add	*39.08*	
		For Patina Finish, Add	*52.11*	
		For Color Anodized, Add	*65.14*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	176.49	8.59
		For Installation With Adhesive, Deduct	*-12.26*	
		For Clear Anodized, Add	*14.21*	
		For Satin Face And Enameled Return, Add	*42.64*	
		For Patina Finish, Add	*56.85*	
		For Color Anodized, Add	*71.06*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	198.96	9.28
		For Installation With Adhesive, Deduct	*-13.66*	
		For Clear Anodized, Add	*16.19*	
		For Satin Face And Enameled Return, Add	*48.56*	
		For Patina Finish, Add	*64.74*	
		For Color Anodized, Add	*80.93*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	246.52	10.31
		For Installation With Adhesive, Deduct	*-16.45*	
		For Clear Anodized, Add	*20.53*	
		For Satin Face And Enameled Return, Add	*61.59*	
		For Patina Finish, Add	*82.12*	
		For Color Anodized, Add	*102.65*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	302.99	11.59
		For Installation With Adhesive, Deduct	*-19.79*	
		For Clear Anodized, Add	*25.66*	
		For Satin Face And Enameled Return, Add	*76.98*	
		For Patina Finish, Add	*102.64*	
		For Color Anodized, Add	*128.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	371.30	12.88
		For Installation With Adhesive, Deduct	*-23.72*	
		For Clear Anodized, Add	*31.98*	
		For Satin Face And Enameled Return, Add	*95.93*	
		For Patina Finish, Add	*127.91*	
		For Color Anodized, Add	*159.89*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	49.67	3.54
		For Installation With Adhesive, Deduct	*-3.90*	
		For Oxidized Finish, Add	*5.33*	
		For Polished Or Patina Finish, Add	*10.65*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	78.00	3.86
		For Installation With Adhesive, Deduct	*-5.45*	
		For Oxidized Finish, Add	*9.38*	
		For Polished Or Patina Finish, Add	*18.77*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	85.80	4.13
		For Installation With Adhesive, Deduct	*-5.94*	
		For Oxidized Finish, Add	*10.40*	
		For Polished Or Patina Finish, Add	*20.79*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	106.46	4.64
		For Installation With Adhesive, Deduct	*-7.18*	
		For Oxidized Finish, Add	*13.19*	
		For Polished Or Patina Finish, Add	*26.37*	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	119.58	4.94
		For Installation With Adhesive, Deduct	*-7.96*	
		For Oxidized Finish, Add	*14.96*	
		For Polished Or Patina Finish, Add	*29.92*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	164.69	5.67
		For Installation With Adhesive, Deduct	*-10.50*	
		For Oxidized Finish, Add	*21.30*	
		For Polished Or Patina Finish, Add	*42.60*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	191.08	5.92
		For Installation With Adhesive, Deduct	*-11.93*	
		For Oxidized Finish, Add	*25.11*	
		For Polished Or Patina Finish, Add	*50.21*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	215.10	6.45
		For Installation With Adhesive, Deduct	*-13.33*	
		For Oxidized Finish, Add	*28.40*	
		For Polished Or Patina Finish, Add	*56.80*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	256.43	7.48
		For Installation With Adhesive, Deduct	*-15.81*	
		For Oxidized Finish, Add	*33.98*	
		For Polished Or Patina Finish, Add	*67.96*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	302.82	8.50
		For Installation With Adhesive, Deduct	*-18.54*	
		For Oxidized Finish, Add	*40.32*	
		For Polished Or Patina Finish, Add	*80.64*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	357.37	10.31
		For Installation With Adhesive, Deduct	*-21.99*	
		For Oxidized Finish, Add	*47.42*	
		For Polished Or Patina Finish, Add	*94.84*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	368.91	11.08
		For Installation With Adhesive, Deduct	*-22.88*	
		For Oxidized Finish, Add	*48.69*	
		For Polished Or Patina Finish, Add	*97.38*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	540.10	12.88
		For Installation With Adhesive, Deduct	*-32.16*	
		For Oxidized Finish, Add	*73.29*	
		For Polished Or Patina Finish, Add	*146.57*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	656.43	14.49
		For Installation With Adhesive, Deduct	*-38.62*	
		For Oxidized Finish, Add	*89.77*	
		For Polished Or Patina Finish, Add	*179.54*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	844.65	16.75
		For Installation With Adhesive, Deduct	*-48.93*	
		For Oxidized Finish, Add	*116.65*	
		For Polished Or Patina Finish, Add	*233.30*	

10 14 19 00-0034 Molded Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	29.35	2.57
		For Installation With Adhesive, Deduct	*-2.50*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	31.54	2.83
		For Installation With Adhesive, Deduct	*-2.71*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	35.05	3.09
		For Installation With Adhesive, Deduct	*-2.99*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	48.25	3.35
		For Installation With Adhesive, Deduct	*-3.75*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	52.21	3.61
		For Installation With Adhesive, Deduct	*-4.05*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	56.77	3.86
		For Installation With Adhesive, Deduct	*-4.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	66.15	4.50
		For Installation With Adhesive, Deduct	*-5.11*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	88.67	5.67
		For Installation With Adhesive, Deduct	*-6.70*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	115.74	6.70
		For Installation With Adhesive, Deduct	*-8.47*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	180.60	8.24
		For Installation With Adhesive, Deduct	*-12.33*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	282.39	9.66
		For Installation With Adhesive, Deduct	*-17.98*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	379.56	11.08
		For Installation With Adhesive, Deduct	*-23.41*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	742.46	14.81
		For Installation With Adhesive, Deduct	*-43.05*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	34.59	3.22
		For Installation With Adhesive, Deduct	*-3.02*	
		For Clear Anodized, Add	*2.17*	
		For Satin Face And Enameled Return, Add	*7.60*	
		For Color Anodized, Add	*10.86*	
		For Polished Or Patina Finish, Add	*10.86*	
		For Polished Anodized Finish, Add	*16.28*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	52.44	3.74
		For Installation With Adhesive, Deduct	*-4.12*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*13.13*	
		For Color Anodized, Add	*18.75*	
		For Polished Or Patina Finish, Add	*18.75*	
		For Polished Anodized Finish, Add	*28.13*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	73.31	4.50
		For Installation With Adhesive, Deduct	*-5.47*	
		For Clear Anodized, Add	*5.53*	
		For Satin Face And Enameled Return, Add	*19.34*	
		For Color Anodized, Add	*27.64*	
		For Polished Or Patina Finish, Add	*27.64*	
		For Polished Anodized Finish, Add	*41.45*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.67	5.15
		For Installation With Adhesive, Deduct	*-6.64*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*24.87*	
		For Color Anodized, Add	*35.53*	
		For Polished Or Patina Finish, Add	*35.53*	
		For Polished Anodized Finish, Add	*53.30*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	106.09	5.80
		For Installation With Adhesive, Deduct	*-7.62*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.02*	
		For Color Anodized, Add	*41.45*	
		For Polished Or Patina Finish, Add	*41.45*	
		For Polished Anodized Finish, Add	*62.18*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	121.54	6.70
		For Installation With Adhesive, Deduct	*-8.76*	
		For Clear Anodized, Add	*9.48*	
		For Satin Face And Enameled Return, Add	*33.16*	
		For Color Anodized, Add	*47.38*	
		For Polished Or Patina Finish, Add	*47.38*	
		For Polished Anodized Finish, Add	*71.06*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	143.43	7.73
		For Installation With Adhesive, Deduct	*-10.26*	
		For Clear Anodized, Add	*11.25*	
		For Satin Face And Enameled Return, Add	*39.38*	
		For Color Anodized, Add	*56.26*	
		For Polished Or Patina Finish, Add	*56.26*	
		For Polished Anodized Finish, Add	*84.38*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	169.35	9.28
		For Installation With Adhesive, Deduct	*-12.18*	
		For Clear Anodized, Add	*13.23*	
		For Satin Face And Enameled Return, Add	*46.29*	
		For Color Anodized, Add	*66.13*	
		For Polished Or Patina Finish, Add	*66.13*	
		For Polished Anodized Finish, Add	*99.19*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	191.25	10.31
		For Installation With Adhesive, Deduct	*-13.69*	
		For Clear Anodized, Add	*15.00*	
		For Satin Face And Enameled Return, Add	*52.51*	
		For Color Anodized, Add	*75.01*	
		For Polished Or Patina Finish, Add	*75.01*	
		For Polished Anodized Finish, Add	*112.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	233.90	11.59
		For Installation With Adhesive, Deduct	*-16.33*	
		For Clear Anodized, Add	*18.75*	
		For Satin Face And Enameled Return, Add	*65.63*	
		For Color Anodized, Add	*93.76*	
		For Polished Or Patina Finish, Add	*93.76*	
		For Polished Anodized Finish, Add	*140.64*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	273.99	12.24
		For Installation With Adhesive, Deduct	*-18.60*	
		For Clear Anodized, Add	*22.50*	
		For Satin Face And Enameled Return, Add	*78.76*	
		For Color Anodized, Add	*112.52*	
		For Polished Or Patina Finish, Add	*112.52*	
		For Polished Anodized Finish, Add	*168.77*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	351.57	12.88
		For Installation With Adhesive, Deduct	*-22.73*	
		For Clear Anodized, Add	*30.00*	
		For Satin Face And Enameled Return, Add	*105.01*	
		For Color Anodized, Add	*150.02*	
		For Polished Or Patina Finish, Add	*150.02*	
		For Polished Anodized Finish, Add	*225.03*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	519.13	15.45
		For Installation With Adhesive, Deduct	*-32.14*	
		For Clear Anodized, Add	*45.73*	
		For Satin Face And Enameled Return, Add	*160.05*	
		For Color Anodized, Add	*228.65*	
		For Polished Or Patina Finish, Add	*228.65*	
		For Polished Anodized Finish, Add	*342.97*	
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	48.49	3.22
		For Installation With Adhesive, Deduct	*-3.71*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*12.46*	
		For Color Anodized, Add	*17.81*	
		For Polished Or Patina Finish, Add	*17.81*	
		For Polished Anodized Finish, Add	*26.71*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.20	3.74
		For Installation With Adhesive, Deduct	*-5.20*	
		For Clear Anodized, Add	*5.93*	
		For Satin Face And Enameled Return, Add	*20.74*	
		For Color Anodized, Add	*29.63*	
		For Polished Or Patina Finish, Add	*29.63*	
		For Polished Anodized Finish, Add	*44.45*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	94.86	4.50
		For Installation With Adhesive, Deduct	*-6.55*	
		For Clear Anodized, Add	*7.68*	
		For Satin Face And Enameled Return, Add	*26.89*	
		For Color Anodized, Add	*38.41*	
		For Polished Or Patina Finish, Add	*38.41*	
		For Polished Anodized Finish, Add	*57.62*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	121.52	5.15
		For Installation With Adhesive, Deduct	*-8.14*	
		For Clear Anodized, Add	*10.09*	
		For Satin Face And Enameled Return, Add	*35.32*	
		For Color Anodized, Add	*50.46*	
		For Polished Or Patina Finish, Add	*50.46*	
		For Polished Anodized Finish, Add	*75.68*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	141.74	5.80
		For Installation With Adhesive, Deduct	*-9.41*	
		For Clear Anodized, Add	*11.86*	
		For Satin Face And Enameled Return, Add	*41.49*	
		For Color Anodized, Add	*59.28*	
		For Polished Or Patina Finish, Add	*59.28*	
		For Polished Anodized Finish, Add	*88.91*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	167.02	6.70
		For Installation With Adhesive, Deduct	*-11.03*	
		For Clear Anodized, Add	*14.02*	
		For Satin Face And Enameled Return, Add	*49.08*	
		For Color Anodized, Add	*70.12*	
		For Polished Or Patina Finish, Add	*70.12*	
		For Polished Anodized Finish, Add	*105.17*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	196.31	7.73
		For Installation With Adhesive, Deduct	*-12.91*	
		For Clear Anodized, Add	*16.54*	
		For Satin Face And Enameled Return, Add	*57.89*	
		For Color Anodized, Add	*82.70*	
		For Polished Or Patina Finish, Add	*82.70*	
		For Polished Anodized Finish, Add	*124.04*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	244.74	9.28
		For Installation With Adhesive, Deduct	*-15.95*	
		For Clear Anodized, Add	*20.76*	
		For Satin Face And Enameled Return, Add	*72.67*	
		For Color Anodized, Add	*103.82*	
		For Polished Or Patina Finish, Add	*103.82*	
		For Polished Anodized Finish, Add	*155.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	285.76	10.31
		For Installation With Adhesive, Deduct	*-18.41*	
		For Clear Anodized, Add	*24.45*	
		For Satin Face And Enameled Return, Add	*85.59*	
		For Color Anodized, Add	*122.27*	
		For Polished Or Patina Finish, Add	*122.27*	
		For Polished Anodized Finish, Add	*183.40*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	333.29	11.59
		For Installation With Adhesive, Deduct	*-21.30*	
		For Clear Anodized, Add	*28.69*	
		For Satin Face And Enameled Return, Add	*100.42*	
		For Color Anodized, Add	*143.46*	
		For Polished Or Patina Finish, Add	*143.46*	
		For Polished Anodized Finish, Add	*215.18*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	377.50	12.24
		For Installation With Adhesive, Deduct	*-23.77*	
		For Clear Anodized, Add	*32.85*	
		For Satin Face And Enameled Return, Add	*114.99*	
		For Color Anodized, Add	*164.27*	
		For Polished Or Patina Finish, Add	*164.27*	
		For Polished Anodized Finish, Add	*246.41*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	423.57	12.88
		For Installation With Adhesive, Deduct	*-26.33*	
		For Clear Anodized, Add	*37.20*	
		For Satin Face And Enameled Return, Add	*130.21*	
		For Color Anodized, Add	*186.02*	
		For Polished Or Patina Finish, Add	*186.02*	
		For Polished Anodized Finish, Add	*279.03*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	594.80	15.45
		For Installation With Adhesive, Deduct	*-35.92*	
		For Clear Anodized, Add	*53.30*	
		For Satin Face And Enameled Return, Add	*186.54*	
		For Color Anodized, Add	*266.48*	
		For Polished Or Patina Finish, Add	*266.48*	
		For Polished Anodized Finish, Add	*399.72*	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	64.56	3.22
		For Installation With Adhesive, Deduct	*-4.52*	
		For Clear Anodized, Add	*5.17*	
		For Satin Face And Enameled Return, Add	*18.09*	
		For Color Anodized, Add	*25.84*	
		For Polished Or Patina Finish, Add	*25.84*	
		For Polished Anodized Finish, Add	*38.76*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.82	3.74
		For Installation With Adhesive, Deduct	*-5.79*	
		For Clear Anodized, Add	*7.09*	
		For Satin Face And Enameled Return, Add	*24.81*	
		For Color Anodized, Add	*35.44*	
		For Polished Or Patina Finish, Add	*35.44*	
		For Polished Anodized Finish, Add	*53.16*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.68	4.50
		For Installation With Adhesive, Deduct	*-7.24*	
		For Clear Anodized, Add	*9.06*	
		For Satin Face And Enameled Return, Add	*31.72*	
		For Color Anodized, Add	*45.32*	
		For Polished Or Patina Finish, Add	*45.32*	
		For Polished Anodized Finish, Add	*67.98*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	129.33	5.15
		For Installation With Adhesive, Deduct	*-8.53*	
		For Clear Anodized, Add	*10.87*	
		For Satin Face And Enameled Return, Add	*38.05*	
		For Color Anodized, Add	*54.36*	
		For Polished Or Patina Finish, Add	*54.36*	
		For Polished Anodized Finish, Add	*81.54*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	151.69	5.80
		For Installation With Adhesive, Deduct	*-9.90*	
		For Clear Anodized, Add	*12.85*	
		For Satin Face And Enameled Return, Add	*44.98*	
		For Color Anodized, Add	*64.25*	
		For Polished Or Patina Finish, Add	*64.25*	
		For Polished Anodized Finish, Add	*96.38*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	188.81	6.70
		For Installation With Adhesive, Deduct	*-12.12*	
		For Clear Anodized, Add	*16.20*	
		For Satin Face And Enameled Return, Add	*56.71*	
		For Color Anodized, Add	*81.01*	
		For Polished Or Patina Finish, Add	*81.01*	
		For Polished Anodized Finish, Add	*121.52*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	235.69	7.73
		For Installation With Adhesive, Deduct	*-14.88*	
		For Clear Anodized, Add	*20.48*	
		For Satin Face And Enameled Return, Add	*71.67*	
		For Color Anodized, Add	*102.39*	
		For Polished Or Patina Finish, Add	*102.39*	
		For Polished Anodized Finish, Add	*153.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	285.73	9.28
		For Installation With Adhesive, Deduct	*-18.00*	
		For Clear Anodized, Add	*24.86*	
		For Satin Face And Enameled Return, Add	*87.02*	
		For Color Anodized, Add	*124.32*	
		For Polished Or Patina Finish, Add	*124.32*	
		For Polished Anodized Finish, Add	*186.47*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	351.77	10.31
		For Installation With Adhesive, Deduct	*-21.71*	
		For Clear Anodized, Add	*31.05*	
		For Satin Face And Enameled Return, Add	*108.69*	
		For Color Anodized, Add	*155.27*	
		For Polished Or Patina Finish, Add	*155.27*	
		For Polished Anodized Finish, Add	*232.91*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	417.67	11.59
		For Installation With Adhesive, Deduct	*-25.52*	
		For Clear Anodized, Add	*37.13*	
		For Satin Face And Enameled Return, Add	*129.95*	
		For Color Anodized, Add	*185.65*	
		For Polished Or Patina Finish, Add	*185.65*	
		For Polished Anodized Finish, Add	*278.47*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	485.51	12.24
		For Installation With Adhesive, Deduct	*-29.17*	
		For Clear Anodized, Add	*43.66*	
		For Satin Face And Enameled Return, Add	*152.79*	
		For Color Anodized, Add	*218.28*	
		For Polished Or Patina Finish, Add	*218.28*	
		For Polished Anodized Finish, Add	*327.41*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	549.59	12.88
		For Installation With Adhesive, Deduct	*-32.63*	
		For Clear Anodized, Add	*49.81*	
		For Satin Face And Enameled Return, Add	*174.32*	
		For Color Anodized, Add	*249.03*	
		For Polished Or Patina Finish, Add	*249.03*	
		For Polished Anodized Finish, Add	*373.55*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	776.00	15.45
		For Installation With Adhesive, Deduct	*-44.98*	
		For Clear Anodized, Add	*71.42*	
		For Satin Face And Enameled Return, Add	*249.96*	
		For Color Anodized, Add	*357.08*	
		For Polished Or Patina Finish, Add	*357.08*	
		For Polished Anodized Finish, Add	*535.62*	
10 14 19 00-0093		**3/4" Deep, Satin Finish, Aluminum Characters** *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.25	3.22
		For Installation With Adhesive, Deduct	*-4.70*	
		For Clear Anodized, Add	*5.54*	
		For Satin Face And Enameled Return, Add	*19.38*	
		For Color Anodized, Add	*27.69*	
		For Polished Or Patina Finish, Add	*27.69*	
		For Polished Anodized Finish, Add	*41.53*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	89.95	3.74
		For Installation With Adhesive, Deduct	*-5.99*	
		For Clear Anodized, Add	*7.50*	
		For Satin Face And Enameled Return, Add	*26.25*	
		For Color Anodized, Add	*37.51*	
		For Polished Or Patina Finish, Add	*37.51*	
		For Polished Anodized Finish, Add	*56.26*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	120.84	4.50
		For Installation With Adhesive, Deduct	*-7.85*	
		For Clear Anodized, Add	*10.28*	
		For Satin Face And Enameled Return, Add	*35.98*	
		For Color Anodized, Add	*51.40*	
		For Polished Or Patina Finish, Add	*51.40*	
		For Polished Anodized Finish, Add	*77.10*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	164.86	5.15
		For Installation With Adhesive, Deduct	*-10.30*	
		For Clear Anodized, Add	*14.43*	
		For Satin Face And Enameled Return, Add	*50.49*	
		For Color Anodized, Add	*72.13*	
		For Polished Or Patina Finish, Add	*72.13*	
		For Polished Anodized Finish, Add	*108.19*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.55	5.80
		For Installation With Adhesive, Deduct	*-12.85*	
		For Clear Anodized, Add	*18.74*	
		For Satin Face And Enameled Return, Add	*65.58*	
		For Color Anodized, Add	*93.68*	
		For Polished Or Patina Finish, Add	*93.68*	
		For Polished Anodized Finish, Add	*140.52*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	267.45	6.70
		For Installation With Adhesive, Deduct	*-16.05*	
		For Clear Anodized, Add	*24.07*	
		For Satin Face And Enameled Return, Add	*84.23*	
		For Color Anodized, Add	*120.33*	
		For Polished Or Patina Finish, Add	*120.33*	
		For Polished Anodized Finish, Add	*180.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	336.96	7.73
		For Installation With Adhesive, Deduct	*-19.94*	
		For Clear Anodized, Add	*30.60*	
		For Satin Face And Enameled Return, Add	*107.11*	
		For Color Anodized, Add	*153.02*	
		For Polished Or Patina Finish, Add	*153.02*	
		For Polished Anodized Finish, Add	*229.53*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	417.99	9.28
		For Installation With Adhesive, Deduct	*-24.61*	
		For Clear Anodized, Add	*38.09*	
		For Satin Face And Enameled Return, Add	*133.31*	
		For Color Anodized, Add	*190.45*	
		For Polished Or Patina Finish, Add	*190.45*	
		For Polished Anodized Finish, Add	*285.67*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	516.79	10.31
		For Installation With Adhesive, Deduct	*-29.96*	
		For Clear Anodized, Add	*47.56*	
		For Satin Face And Enameled Return, Add	*166.45*	
		For Color Anodized, Add	*237.78*	
		For Polished Or Patina Finish, Add	*237.78*	
		For Polished Anodized Finish, Add	*356.67*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	618.32	11.59
		For Installation With Adhesive, Deduct	*-35.55*	
		For Clear Anodized, Add	*57.19*	
		For Satin Face And Enameled Return, Add	*200.18*	
		For Color Anodized, Add	*285.97*	
		For Polished Or Patina Finish, Add	*285.97*	
		For Polished Anodized Finish, Add	*428.96*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	724.04	12.24
		For Installation With Adhesive, Deduct	*-41.10*	
		For Clear Anodized, Add	*67.51*	
		For Satin Face And Enameled Return, Add	*236.28*	
		For Color Anodized, Add	*337.54*	
		For Polished Or Patina Finish, Add	*337.54*	
		For Polished Anodized Finish, Add	*506.31*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	834.62	12.88
		For Installation With Adhesive, Deduct	*-46.88*	
		For Clear Anodized, Add	*78.31*	
		For Satin Face And Enameled Return, Add	*274.08*	
		For Color Anodized, Add	*391.55*	
		For Polished Or Patina Finish, Add	*391.55*	
		For Polished Anodized Finish, Add	*587.32*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,159.73	15.45
		For Installation With Adhesive, Deduct	*-64.17*	
		For Clear Anodized, Add	*109.79*	
		For Satin Face And Enameled Return, Add	*384.26*	
		For Color Anodized, Add	*548.95*	
		For Polished Or Patina Finish, Add	*548.95*	
		For Polished Anodized Finish, Add	*823.42*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	78.02	3.22
		For Installation With Adhesive, Deduct	*-5.19*	
		For Clear Anodized, Add	*6.51*	
		For Satin Face And Enameled Return, Add	*22.80*	
		For Color Anodized, Add	*32.57*	
		For Polished Or Patina Finish, Add	*32.57*	
		For Polished Anodized Finish, Add	*48.86*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	97.82	3.74
		For Installation With Adhesive, Deduct	*-6.39*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.01*	
		For Color Anodized, Add	*41.44*	
		For Polished Or Patina Finish, Add	*41.44*	
		For Polished Anodized Finish, Add	*62.16*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	130.79	4.50
		For Installation With Adhesive, Deduct	*-8.34*	
		For Clear Anodized, Add	*11.28*	
		For Satin Face And Enameled Return, Add	*39.46*	
		For Color Anodized, Add	*56.38*	
		For Polished Or Patina Finish, Add	*56.38*	
		For Polished Anodized Finish, Add	*84.56*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	184.76	5.15
		For Installation With Adhesive, Deduct	*-11.30*	
		For Clear Anodized, Add	*16.42*	
		For Satin Face And Enameled Return, Add	*57.45*	
		For Color Anodized, Add	*82.08*	
		For Polished Or Patina Finish, Add	*82.08*	
		For Polished Anodized Finish, Add	*123.11*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	257.81	5.80
		For Installation With Adhesive, Deduct	*-15.21*	
		For Clear Anodized, Add	*23.46*	
		For Satin Face And Enameled Return, Add	*82.12*	
		For Color Anodized, Add	*117.31*	
		For Polished Or Patina Finish, Add	*117.31*	
		For Polished Anodized Finish, Add	*175.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	342.30	6.70
		For Installation With Adhesive, Deduct	*-19.79*	
		For Clear Anodized, Add	*31.55*	
		For Satin Face And Enameled Return, Add	*110.43*	
		For Color Anodized, Add	*157.76*	
		For Polished Or Patina Finish, Add	*157.76*	
		For Polished Anodized Finish, Add	*236.63*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	437.09	7.73
		For Installation With Adhesive, Deduct	*-24.95*	
		For Clear Anodized, Add	*40.62*	
		For Satin Face And Enameled Return, Add	*142.16*	
		For Color Anodized, Add	*203.09*	
		For Polished Or Patina Finish, Add	*203.09*	
		For Polished Anodized Finish, Add	*304.63*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	544.95	9.28
		For Installation With Adhesive, Deduct	*-30.96*	
		For Clear Anodized, Add	*50.79*	
		For Satin Face And Enameled Return, Add	*177.75*	
		For Color Anodized, Add	*253.93*	
		For Polished Or Patina Finish, Add	*253.93*	
		For Polished Anodized Finish, Add	*380.89*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	665.30	10.31
		For Installation With Adhesive, Deduct	*-37.39*	
		For Clear Anodized, Add	*62.41*	
		For Satin Face And Enameled Return, Add	*218.42*	
		For Color Anodized, Add	*312.04*	
		For Polished Or Patina Finish, Add	*312.04*	
		For Polished Anodized Finish, Add	*468.05*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	824.60	11.59
		For Installation With Adhesive, Deduct	*-45.87*	
		For Clear Anodized, Add	*77.82*	
		For Satin Face And Enameled Return, Add	*272.38*	
		For Color Anodized, Add	*389.11*	
		For Polished Or Patina Finish, Add	*389.11*	
		For Polished Anodized Finish, Add	*583.67*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	991.82	12.24
		For Installation With Adhesive, Deduct	*-54.49*	
		For Clear Anodized, Add	*94.29*	
		For Satin Face And Enameled Return, Add	*330.00*	
		For Color Anodized, Add	*471.43*	
		For Polished Or Patina Finish, Add	*471.43*	
		For Polished Anodized Finish, Add	*707.15*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,179.66	12.88
		For Installation With Adhesive, Deduct	*-64.14*	
		For Clear Anodized, Add	*112.81*	
		For Satin Face And Enameled Return, Add	*394.85*	
		For Color Anodized, Add	*564.07*	
		For Polished Or Patina Finish, Add	*564.07*	
		For Polished Anodized Finish, Add	*846.10*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,682.03	15.45
		For Installation With Adhesive, Deduct	*-90.29*	
		For Clear Anodized, Add	*162.02*	
		For Satin Face And Enameled Return, Add	*567.07*	
		For Color Anodized, Add	*810.10*	
		For Polished Or Patina Finish, Add	*810.10*	
		For Polished Anodized Finish, Add	*1,215.14*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	51.16	3.22
		For Installation With Adhesive, Deduct	*-3.85*	
		For Oxidized Finish, Add	*5.74*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	68.21	3.74
		For Installation With Adhesive, Deduct	*-4.90*	
		For Oxidized Finish, Add	*7.99*	
		For Polished Finish, Add	*15.98*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	97.34	4.50
		For Installation With Adhesive, Deduct	*-6.67*	
		For Oxidized Finish, Add	*11.90*	
		For Polished Finish, Add	*23.79*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	131.36	5.15
		For Installation With Adhesive, Deduct	*-8.63*	
		For Oxidized Finish, Add	*16.61*	
		For Polished Finish, Add	*33.23*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	172.23	5.80
		For Installation With Adhesive, Deduct	*-10.93*	
		For Oxidized Finish, Add	*22.36*	
		For Polished Finish, Add	*44.71*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	220.95	6.70
		For Installation With Adhesive, Deduct	*-13.73*	
		For Oxidized Finish, Add	*29.12*	
		For Polished Finish, Add	*58.25*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	279.77	7.73
		For Installation With Adhesive, Deduct	*-17.08*	
		For Oxidized Finish, Add	*37.33*	
		For Polished Finish, Add	*74.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	342.01	9.28
		For Installation With Adhesive, Deduct	*-20.81*	
		For Oxidized Finish, Add	*45.74*	
		For Polished Finish, Add	*91.47*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	420.17	10.31
		For Installation With Adhesive, Deduct	*-25.13*	
		For Oxidized Finish, Add	*56.84*	
		For Polished Finish, Add	*113.68*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	503.06	11.59
		For Installation With Adhesive, Deduct	*-29.79*	
		For Oxidized Finish, Add	*68.50*	
		For Polished Finish, Add	*137.00*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	628.70	12.24
		For Installation With Adhesive, Deduct	*-36.33*	
		For Oxidized Finish, Add	*86.96*	
		For Polished Finish, Add	*173.92*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	692.22	12.88
		For Installation With Adhesive, Deduct	*-39.76*	
		For Oxidized Finish, Add	*96.10*	
		For Polished Finish, Add	*192.21*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,060.83	15.45
		For Installation With Adhesive, Deduct	*-59.23*	
		For Oxidized Finish, Add	*149.85*	
		For Polished Finish, Add	*299.70*	
10 14 19 00-0136		3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	64.56	3.22
		For Installation With Adhesive, Deduct	*-4.52*	
		For Oxidized Finish, Add	*7.75*	
		For Polished Finish, Add	*15.50*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	86.86	3.74
		For Installation With Adhesive, Deduct	*-5.84*	
		For Oxidized Finish, Add	*10.79*	
		For Polished Finish, Add	*21.58*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	129.07	4.50
		For Installation With Adhesive, Deduct	*-8.26*	
		For Oxidized Finish, Add	*16.65*	
		For Polished Finish, Add	*33.31*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	175.66	5.15
		For Installation With Adhesive, Deduct	*-10.84*	
		For Oxidized Finish, Add	*23.26*	
		For Polished Finish, Add	*46.52*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	239.29	5.80
		For Installation With Adhesive, Deduct	*-14.28*	
		For Oxidized Finish, Add	*32.42*	
		For Polished Finish, Add	*64.83*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	308.32	6.70
		For Installation With Adhesive, Deduct	*-18.10*	
		For Oxidized Finish, Add	*42.23*	
		For Polished Finish, Add	*84.46*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	391.76	7.73
		For Installation With Adhesive, Deduct	*-22.68*	
		For Oxidized Finish, Add	*54.13*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	463.98	9.28
		For Installation With Adhesive, Deduct	*-26.91*	
		For Oxidized Finish, Add	*64.03*	
		For Polished Finish, Add	*128.06*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	590.70	10.31
		For Installation With Adhesive, Deduct	*-33.66*	
		For Oxidized Finish, Add	*82.42*	
		For Polished Finish, Add	*164.84*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	685.74	11.59
		For Installation With Adhesive, Deduct	*-38.93*	
		For Oxidized Finish, Add	*95.90*	
		For Polished Finish, Add	*191.81*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	854.80	12.24
		For Installation With Adhesive, Deduct	*-47.64*	
		For Oxidized Finish, Add	*120.88*	
		For Polished Finish, Add	*241.75*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	980.53	12.88
		For Installation With Adhesive, Deduct	*-54.18*	
		For Oxidized Finish, Add	*139.35*	
		For Polished Finish, Add	*278.70*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,370.52	15.45
		For Installation With Adhesive, Deduct	*-74.71*	
		For Oxidized Finish, Add	*196.30*	
		For Polished Finish, Add	*392.60*	
10 14 19 00-0150		1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	85.62	3.22
		For Installation With Adhesive, Deduct	*-5.57*	
		For Oxidized Finish, Add	*10.91*	
		For Polished Finish, Add	*21.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	113.50	3.74
		For Installation With Adhesive, Deduct	*-7.17*	
		For Oxidized Finish, Add	*14.78*	
		For Polished Finish, Add	*29.57*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	168.72	4.50
		For Installation With Adhesive, Deduct	*-10.24*	
		For Oxidized Finish, Add	*22.60*	
		For Polished Finish, Add	*45.20*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	236.58	5.15
		For Installation With Adhesive, Deduct	*-13.89*	
		For Oxidized Finish, Add	*32.40*	
		For Polished Finish, Add	*64.79*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	336.17	5.80
		For Installation With Adhesive, Deduct	*-19.13*	
		For Oxidized Finish, Add	*46.95*	
		For Polished Finish, Add	*93.89*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	453.94	6.70
		For Installation With Adhesive, Deduct	*-25.38*	
		For Oxidized Finish, Add	*64.07*	
		For Polished Finish, Add	*128.15*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	565.95	7.73
		For Installation With Adhesive, Deduct	*-31.39*	
		For Oxidized Finish, Add	*80.25*	
		For Polished Finish, Add	*160.51*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	674.37	9.28
		For Installation With Adhesive, Deduct	*-37.43*	
		For Oxidized Finish, Add	*95.59*	
		For Polished Finish, Add	*191.18*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	931.75	10.31
		For Installation With Adhesive, Deduct	*-50.71*	
		For Oxidized Finish, Add	*133.58*	
		For Polished Finish, Add	*267.16*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,051.09	11.59
		For Installation With Adhesive, Deduct	*-57.19*	
		For Oxidized Finish, Add	*150.71*	
		For Polished Finish, Add	*301.41*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,324.40	12.24
		For Installation With Adhesive, Deduct	*-71.12*	
		For Oxidized Finish, Add	*191.32*	
		For Polished Finish, Add	*382.63*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,557.15	12.88
		For Installation With Adhesive, Deduct	*-83.01*	
		For Oxidized Finish, Add	*225.84*	
		For Polished Finish, Add	*451.69*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,369.51	15.45
		For Installation With Adhesive, Deduct	*-124.66*	
		For Oxidized Finish, Add	*346.15*	
		For Polished Finish, Add	*692.30*	
10 14 19 00-0164		3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	108.59	3.22
		For Installation With Adhesive, Deduct	*-6.72*	
		For Oxidized Finish, Add	*14.36*	
		For Polished Finish, Add	*28.71*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	156.11	3.74
		For Installation With Adhesive, Deduct	*-9.30*	
		For Oxidized Finish, Add	*21.18*	
		For Polished Finish, Add	*42.35*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	216.30	4.50
		For Installation With Adhesive, Deduct	*-12.62*	
		For Oxidized Finish, Add	*29.74*	
		For Polished Finish, Add	*59.48*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	297.49	5.15
		For Installation With Adhesive, Deduct	*-16.94*	
		For Oxidized Finish, Add	*41.53*	
		For Polished Finish, Add	*83.06*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	410.69	5.80
		For Installation With Adhesive, Deduct	*-22.85*	
		For Oxidized Finish, Add	*58.13*	
		For Polished Finish, Add	*116.25*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	570.44	6.70
		For Installation With Adhesive, Deduct	*-31.20*	
		For Oxidized Finish, Add	*81.55*	
		For Polished Finish, Add	*163.10*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	715.26	7.73
		For Installation With Adhesive, Deduct	*-38.86*	
		For Oxidized Finish, Add	*102.65*	
		For Polished Finish, Add	*205.30*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	832.92	9.28
		For Installation With Adhesive, Deduct	*-45.36*	
		For Oxidized Finish, Add	*119.37*	
		For Polished Finish, Add	*238.75*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,121.22	10.31
		For Installation With Adhesive, Deduct	*-60.18*	
		For Oxidized Finish, Add	*162.00*	
		For Polished Finish, Add	*324.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,224.63	11.59
		For Installation With Adhesive, Deduct	*-65.87*	
		For Oxidized Finish, Add	*176.74*	
		For Polished Finish, Add	*353.48*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,567.89	12.24
		For Installation With Adhesive, Deduct	*-83.29*	
		For Oxidized Finish, Add	*227.84*	
		For Polished Finish, Add	*455.68*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,005.63	12.88
		For Installation With Adhesive, Deduct	*-105.43*	
		For Oxidized Finish, Add	*293.12*	
		For Polished Finish, Add	*586.23*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,048.82	15.45
		For Installation With Adhesive, Deduct	*-158.63*	
		For Oxidized Finish, Add	*448.05*	
		For Polished Finish, Add	*896.09*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	58.90	3.22
		For Installation With Adhesive, Deduct	*-4.23*	
		For Oxidized Finish, Add	*6.90*	
		For Polished Or Patina Finish, Add	*13.81*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	79.04	3.74
		For Installation With Adhesive, Deduct	*-5.45*	
		For Oxidized Finish, Add	*9.62*	
		For Polished Or Patina Finish, Add	*19.23*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	113.37	4.50
		For Installation With Adhesive, Deduct	*-7.47*	
		For Oxidized Finish, Add	*14.30*	
		For Polished Or Patina Finish, Add	*28.60*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	153.74	5.15
		For Installation With Adhesive, Deduct	*-9.75*	
		For Oxidized Finish, Add	*19.97*	
		For Polished Or Patina Finish, Add	*39.94*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	202.34	5.80
		For Installation With Adhesive, Deduct	*-12.44*	
		For Oxidized Finish, Add	*26.87*	
		For Polished Or Patina Finish, Add	*53.75*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	260.18	6.70
		For Installation With Adhesive, Deduct	*-15.69*	
		For Oxidized Finish, Add	*35.01*	
		For Polished Or Patina Finish, Add	*70.02*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	330.06	7.73
		For Installation With Adhesive, Deduct	*-19.60*	
		For Oxidized Finish, Add	*44.87*	
		For Polished Or Patina Finish, Add	*89.74*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	411.84	9.28
		For Installation With Adhesive, Deduct	*-24.30*	
		For Oxidized Finish, Add	*56.21*	
		For Polished Or Patina Finish, Add	*112.42*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	498.15	10.31
		For Installation With Adhesive, Deduct	*-29.03*	
		For Oxidized Finish, Add	*68.54*	
		For Polished Or Patina Finish, Add	*137.08*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	595.34	11.59
		For Installation With Adhesive, Deduct	*-34.41*	
		For Oxidized Finish, Add	*82.34*	
		For Polished Or Patina Finish, Add	*164.69*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	703.12	12.24
		For Installation With Adhesive, Deduct	*-40.05*	
		For Oxidized Finish, Add	*98.12*	
		For Polished Or Patina Finish, Add	*196.25*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	822.38	12.88
		For Installation With Adhesive, Deduct	*-46.27*	
		For Oxidized Finish, Add	*115.63*	
		For Polished Or Patina Finish, Add	*231.26*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,274.82	15.45
		For Installation With Adhesive, Deduct	*-69.93*	
		For Oxidized Finish, Add	*181.95*	
		For Polished Or Patina Finish, Add	*363.89*	

10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	73.63	3.22
		For Installation With Adhesive, Deduct	*-4.97*	
		For Oxidized Finish, Add	*9.11*	
		For Polished Or Patina Finish, Add	*18.23*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	98.91	3.74
		For Installation With Adhesive, Deduct	*-6.44*	
		For Oxidized Finish, Add	*12.60*	
		For Polished Or Patina Finish, Add	*25.19*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	149.59	4.50
		For Installation With Adhesive, Deduct	*-9.28*	
		For Oxidized Finish, Add	*19.73*	
		For Polished Or Patina Finish, Add	*39.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	203.00	5.15
		For Installation With Adhesive, Deduct	*-12.21*	
		For Oxidized Finish, Add	*27.36*	
		For Polished Or Patina Finish, Add	*54.72*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	282.96	5.80
		For Installation With Adhesive, Deduct	*-16.47*	
		For Oxidized Finish, Add	*38.97*	
		For Polished Or Patina Finish, Add	*77.93*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	362.87	6.70
		For Installation With Adhesive, Deduct	*-20.82*	
		For Oxidized Finish, Add	*50.41*	
		For Polished Or Patina Finish, Add	*100.82*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	458.69	7.73
		For Installation With Adhesive, Deduct	*-26.03*	
		For Oxidized Finish, Add	*64.17*	
		For Polished Or Patina Finish, Add	*128.33*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	569.23	9.28
		For Installation With Adhesive, Deduct	*-32.17*	
		For Oxidized Finish, Add	*79.82*	
		For Polished Or Patina Finish, Add	*159.64*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	694.63	10.31
		For Installation With Adhesive, Deduct	*-38.85*	
		For Oxidized Finish, Add	*98.01*	
		For Polished Or Patina Finish, Add	*196.02*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	831.40	11.59
		For Installation With Adhesive, Deduct	*-46.21*	
		For Oxidized Finish, Add	*117.75*	
		For Polished Or Patina Finish, Add	*235.51*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	984.40	12.24
		For Installation With Adhesive, Deduct	*-54.12*	
		For Oxidized Finish, Add	*140.32*	
		For Polished Or Patina Finish, Add	*280.63*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,123.01	12.88
		For Installation With Adhesive, Deduct	*-61.30*	
		For Oxidized Finish, Add	*160.72*	
		For Polished Or Patina Finish, Add	*321.44*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,553.81	15.45
		For Installation With Adhesive, Deduct	*-83.87*	
		For Oxidized Finish, Add	*223.80*	
		For Polished Or Patina Finish, Add	*447.59*	

10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	76.85	3.22
		For Installation With Adhesive, Deduct	*-5.13*	
		For Oxidized Finish, Add	*9.60*	
		For Polished Or Patina Finish, Add	*19.19*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	121.99	3.74
		For Installation With Adhesive, Deduct	*-7.59*	
		For Oxidized Finish, Add	*16.06*	
		For Polished Or Patina Finish, Add	*32.12*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	179.15	4.50
		For Installation With Adhesive, Deduct	*-10.76*	
		For Oxidized Finish, Add	*24.17*	
		For Polished Or Patina Finish, Add	*48.33*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	253.59	5.15
		For Installation With Adhesive, Deduct	*-14.74*	
		For Oxidized Finish, Add	*34.95*	
		For Polished Or Patina Finish, Add	*69.89*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	354.62	5.80
		For Installation With Adhesive, Deduct	*-20.05*	
		For Oxidized Finish, Add	*49.71*	
		For Polished Or Patina Finish, Add	*99.43*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	491.24	6.70
		For Installation With Adhesive, Deduct	*-27.24*	
		For Oxidized Finish, Add	*69.67*	
		For Polished Or Patina Finish, Add	*139.34*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	644.15	7.73
		For Installation With Adhesive, Deduct	*-35.30*	
		For Oxidized Finish, Add	*91.98*	
		For Polished Or Patina Finish, Add	*183.97*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	809.07	9.28
		For Installation With Adhesive, Deduct	*-44.16*	
		For Oxidized Finish, Add	*115.80*	
		For Polished Or Patina Finish, Add	*231.59*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,000.77	10.31
		For Installation With Adhesive, Deduct	*-54.16*	
		For Oxidized Finish, Add	*143.93*	
		For Polished Or Patina Finish, Add	*287.86*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,204.70	11.59
		For Installation With Adhesive, Deduct	*-64.87*	
		For Oxidized Finish, Add	*173.75*	
		For Polished Or Patina Finish, Add	*347.50*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,435.77	12.24
		For Installation With Adhesive, Deduct	*-76.68*	
		For Oxidized Finish, Add	*208.02*	
		For Polished Or Patina Finish, Add	*416.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,678.03	12.88
		For Installation With Adhesive, Deduct	*-89.05*	
		For Oxidized Finish, Add	*243.98*	
		For Polished Or Patina Finish, Add	*487.95*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,366.51	15.45
		For Installation With Adhesive, Deduct	*-124.51*	
		For Oxidized Finish, Add	*345.70*	
		For Polished Or Patina Finish, Add	*691.40*	

10 14 19 00-0221 Satin Finish, Copper Characters *(10 14 19 00-0049)*

10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	51.16	3.22
		For Installation With Adhesive, Deduct	*-3.85*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	69.63	3.74
		For Installation With Adhesive, Deduct	*-4.98*	
		For Polished Finish, Add	*16.41*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	102.81	4.50
		For Installation With Adhesive, Deduct	*-6.94*	
		For Polished Finish, Add	*25.43*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	140.93	5.15
		For Installation With Adhesive, Deduct	*-9.11*	
		For Polished Finish, Add	*36.10*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	183.17	5.80
		For Installation With Adhesive, Deduct	*-11.48*	
		For Polished Finish, Add	*47.99*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	237.36	6.70
		For Installation With Adhesive, Deduct	*-14.55*	
		For Polished Finish, Add	*63.17*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	301.65	7.73
		For Installation With Adhesive, Deduct	*-18.17*	
		For Polished Finish, Add	*81.22*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	373.46	9.28
		For Installation With Adhesive, Deduct	*-22.38*	
		For Polished Finish, Add	*100.91*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	452.79	10.31
		For Installation With Adhesive, Deduct	*-26.76*	
		For Polished Finish, Add	*123.47*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	539.98	11.59
		For Installation With Adhesive, Deduct	*-31.64*	
		For Polished Finish, Add	*148.08*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	638.29	12.24
		For Installation With Adhesive, Deduct	*-36.81*	
		For Polished Finish, Add	*176.80*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	744.76	12.88
		For Installation With Adhesive, Deduct	*-42.39*	
		For Polished Finish, Add	*207.97*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,087.98	15.45
		For Installation With Adhesive, Deduct	*-60.58*	
		For Polished Finish, Add	*307.84*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	60.74	3.22
		For Installation With Adhesive, Deduct	*-4.33*	
		For Polished Finish, Add	*14.36*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	86.04	3.74
		For Installation With Adhesive, Deduct	*-5.80*	
		For Polished Finish, Add	*21.33*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	132.48	4.50
		For Installation With Adhesive, Deduct	*-8.43*	
		For Polished Finish, Add	*34.33*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	189.06	5.15
		For Installation With Adhesive, Deduct	*-11.51*	
		For Polished Finish, Add	*50.54*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	263.15	5.80
		For Installation With Adhesive, Deduct	*-15.48*	
		For Polished Finish, Add	*71.99*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	332.11	6.70
		For Installation With Adhesive, Deduct	*-19.28*	
		For Polished Finish, Add	*91.60*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	423.48	7.73
		For Installation With Adhesive, Deduct	*-24.27*	
		For Polished Finish, Add	*117.77*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	524.82	9.28
		For Installation With Adhesive, Deduct	*-29.95*	
		For Polished Finish, Add	*146.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	638.00	10.31
		For Installation With Adhesive, Deduct	*-36.02*	
		For Polished Finish, Add	*179.03*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	762.10	11.59
		For Installation With Adhesive, Deduct	*-42.74*	
		For Polished Finish, Add	*214.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	903.49	12.24
		For Installation With Adhesive, Deduct	*-50.07*	
		For Polished Finish, Add	*256.36*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,022.05	12.88
		For Installation With Adhesive, Deduct	*-56.26*	
		For Polished Finish, Add	*291.16*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,447.13	15.45
		For Installation With Adhesive, Deduct	*-78.54*	
		For Polished Finish, Add	*415.59*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	47.46	3.22
		For Installation With Adhesive, Deduct	*-3.66*	
		For Polished Finish, Add	*10.37*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	65.08	3.74
		For Installation With Adhesive, Deduct	*-4.75*	
		For Polished Finish, Add	*15.04*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	85.47	4.50
		For Installation With Adhesive, Deduct	*-6.08*	
		For Polished Finish, Add	*20.23*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	113.97	5.15
		For Installation With Adhesive, Deduct	*-7.76*	
		For Polished Finish, Add	*28.01*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	142.49	5.80
		For Installation With Adhesive, Deduct	*-9.44*	
		For Polished Finish, Add	*35.79*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	177.21	6.70
		For Installation With Adhesive, Deduct	*-11.54*	
		For Polished Finish, Add	*45.13*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	214.19	7.73
		For Installation With Adhesive, Deduct	*-13.80*	
		For Polished Finish, Add	*54.98*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	256.68	9.28
		For Installation With Adhesive, Deduct	*-16.54*	
		For Polished Finish, Add	*65.87*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	302.30	10.31
		For Installation With Adhesive, Deduct	*-19.24*	
		For Polished Finish, Add	*78.32*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	355.86	11.59
		For Installation With Adhesive, Deduct	*-22.43*	
		For Polished Finish, Add	*92.84*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	420.69	12.24
		For Installation With Adhesive, Deduct	*-25.93*	
		For Polished Finish, Add	*111.52*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	487.23	12.88
		For Installation With Adhesive, Deduct	*-29.51*	
		For Polished Finish, Add	*130.71*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	680.81	15.45
		For Installation With Adhesive, Deduct	*-40.22*	
		For Polished Finish, Add	*185.69*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	59.56	3.22
		For Installation With Adhesive, Deduct	*-4.27*	
		For Polished Finish, Add	*14.00*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	82.63	3.74
		For Installation With Adhesive, Deduct	*-5.63*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	107.72	4.50
		For Installation With Adhesive, Deduct	*-7.19*	
		For Polished Finish, Add	*26.90*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	141.05	5.15
		For Installation With Adhesive, Deduct	*-9.11*	
		For Polished Finish, Add	*36.13*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	177.08	5.80
		For Installation With Adhesive, Deduct	*-11.17*	
		For Polished Finish, Add	*46.17*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	220.83	6.70
		For Installation With Adhesive, Deduct	*-13.72*	
		For Polished Finish, Add	*58.21*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	267.34	7.73
		For Installation With Adhesive, Deduct	*-16.46*	
		For Polished Finish, Add	*70.93*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	320.35	9.28
		For Installation With Adhesive, Deduct	*-19.73*	
		For Polished Finish, Add	*84.98*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	375.40	10.31
		For Installation With Adhesive, Deduct	*-22.89*	
		For Polished Finish, Add	*100.25*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	442.52	11.59
		For Installation With Adhesive, Deduct	*-26.76*	
		For Polished Finish, Add	*118.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	502.46	12.24
		For Installation With Adhesive, Deduct	*-30.02*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	583.08	12.88
		For Installation With Adhesive, Deduct	*-34.31*	
		For Polished Finish, Add	*159.47*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	816.98	15.45
		For Installation With Adhesive, Deduct	*-47.03*	
		For Polished Finish, Add	*226.54*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	75.12	3.22
		For Installation With Adhesive, Deduct	*-5.04*	
		For Polished Finish, Add	*18.67*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	105.19	3.74
		For Installation With Adhesive, Deduct	*-6.75*	
		For Polished Finish, Add	*27.08*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	137.39	4.50
		For Installation With Adhesive, Deduct	*-8.67*	
		For Polished Finish, Add	*35.81*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	184.93	5.15
		For Installation With Adhesive, Deduct	*-11.31*	
		For Polished Finish, Add	*49.30*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	233.15	5.80
		For Installation With Adhesive, Deduct	*-13.98*	
		For Polished Finish, Add	*62.99*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	291.53	6.70
		For Installation With Adhesive, Deduct	*-17.26*	
		For Polished Finish, Add	*79.42*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	353.47	7.73
		For Installation With Adhesive, Deduct	*-20.77*	
		For Polished Finish, Add	*96.77*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	423.56	9.28
		For Installation With Adhesive, Deduct	*-24.89*	
		For Polished Finish, Add	*115.94*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	508.55	10.31
		For Installation With Adhesive, Deduct	*-29.55*	
		For Polished Finish, Add	*140.20*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	600.35	11.59
		For Installation With Adhesive, Deduct	*-34.66*	
		For Polished Finish, Add	*166.19*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	677.18	12.24
		For Installation With Adhesive, Deduct	*-38.76*	
		For Polished Finish, Add	*188.47*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	787.86	12.88
		For Installation With Adhesive, Deduct	*-44.55*	
		For Polished Finish, Add	*220.90*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,107.89	15.45
		For Installation With Adhesive, Deduct	*-61.58*	
		For Polished Finish, Add	*313.82*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	35.04	5.55
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.99*	
		For >100, Deduct	*-7.18*	
		For Clear Glass Mount, Add	*19.15*	
		For Glow-In-Dark, Add	*47.88*	
		For Reflective Finish, Add	*53.87*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	52.15	5.55
		For >25 To 50, Deduct	*-4.11*	
		For >50 To 100, Deduct	*-10.26*	
		For >100, Deduct	*-12.32*	
		For Clear Glass Mount, Add	*32.84*	
		For Glow-In-Dark, Add	*82.10*	
		For Reflective Finish, Add	*92.36*	
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	79.51	5.55
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-17.10*	
		For >100, Deduct	*-20.52*	
		For Clear Glass Mount, Add	*54.73*	
		For Glow-In-Dark, Add	*136.82*	
		For Reflective Finish, Add	*153.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	113.71	5.55
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Clear Glass Mount, Add	*82.09*	
		For Glow-In-Dark, Add	*205.22*	
		For Reflective Finish, Add	*230.87*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	175.28	5.55
		For >25 To 50, Deduct	*-16.42*	
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-49.25*	
		For Clear Glass Mount, Add	*131.34*	
		For Glow-In-Dark, Add	*328.36*	
		For Reflective Finish, Add	*369.41*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	284.74	5.55
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Clear Glass Mount, Add	*218.91*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*615.69*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	421.55	5.55
		For >25 To 50, Deduct	*-41.05*	
		For >50 To 100, Deduct	*-102.61*	
		For >100, Deduct	*-123.14*	
		For Clear Glass Mount, Add	*328.36*	
		For Glow-In-Dark, Add	*820.90*	
		For Reflective Finish, Add	*923.51*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.47	0.01
		For Clear Glass Mount, Add	*0.37*	
		For Glow-In-Dark, Add	*0.92*	
		For Reflective Finish, Add	*1.04*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	41.88	5.55
		For >25 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-7.70*	
		For >100, Deduct	*-9.23*	
		For Glow-In-Dark, Add	*61.56*	
		For Reflective Finish, Add	*66.18*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	58.99	5.55
		For >25 To 50, Deduct	*-4.79*	
		For >50 To 100, Deduct	*-11.97*	
		For >100, Deduct	*-14.37*	
		For Glow-In-Dark, Add	*95.78*	
		For Reflective Finish, Add	*102.96*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	93.19	5.55
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Glow-In-Dark, Add	*164.18*	
		For Reflective Finish, Add	*176.49*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	127.40	5.55
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-34.89*	
		For Glow-In-Dark, Add	*232.60*	
		For Reflective Finish, Add	*250.05*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	178.70	5.55
		For >25 To 50, Deduct	*-16.76*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-50.28*	
		For Glow-In-Dark, Add	*335.20*	
		For Reflective Finish, Add	*360.34*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	230.01	5.55
		For >25 To 50, Deduct	*-21.89*	
		For >50 To 100, Deduct	*-54.73*	
		For >100, Deduct	*-65.67*	
		For Glow-In-Dark, Add	*437.82*	
		For Reflective Finish, Add	*470.66*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	284.74	5.55
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*588.33*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.31	0.01
		For Glow-In-Dark, Add	*0.60*	
		For Reflective Finish, Add	*0.65*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	93.19	5.55
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	113.71	5.55
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	147.92	5.55
		For >25 To 50, Deduct	*-13.68*	
		For >50 To 100, Deduct	*-34.21*	
		For >100, Deduct	*-41.05*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	180.07	5.55
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-50.69*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	2.03	0.05
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	39.43	5.55
		For >25 To 50, Deduct	*-2.83*	
		For >50 To 100, Deduct	*-7.08*	
		For >100, Deduct	*-8.50*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	48.38	5.55
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	60.30	5.55
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.30*	
		For >100, Deduct	*-14.76*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	84.16	5.55
		For >25 To 50, Deduct	*-7.31*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-21.92*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.84	0.05
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	17.06	5.55
		For >25 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-1.79*	
		For Glow-In-Dark, Add	*3.58*	
		For Reflective Finish, Add	*4.47*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	21.54	5.55
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-3.13*	
		For Glow-In-Dark, Add	*6.26*	
		For Reflective Finish, Add	*7.83*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.48	5.55
		For >25 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.85*	
		For >100, Deduct	*-5.81*	
		For Glow-In-Dark, Add	*11.63*	
		For Reflective Finish, Add	*14.54*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.92	5.55
		For >25 To 50, Deduct	*-2.98*	
		For >50 To 100, Deduct	*-7.46*	
		For >100, Deduct	*-8.95*	
		For Glow-In-Dark, Add	*17.89*	
		For Reflective Finish, Add	*22.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	72.23	5.55
		For >25 To 50, Deduct	*-6.11*	
		For >50 To 100, Deduct	*-15.28*	
		For >100, Deduct	*-18.34*	
		For Glow-In-Dark, Add	*36.68*	
		For Reflective Finish, Add	*45.85*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	85.65	5.55
		For >25 To 50, Deduct	*-7.46*	
		For >50 To 100, Deduct	*-18.64*	
		For >100, Deduct	*-22.37*	
		For Glow-In-Dark, Add	*44.73*	
		For Reflective Finish, Add	*55.91*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	103.54	5.55
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-23.11*	
		For >100, Deduct	*-27.73*	
		For Glow-In-Dark, Add	*55.46*	
		For Reflective Finish, Add	*69.33*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.11	0.01
		For Glow-In-Dark, Add	*0.06*	
		For Reflective Finish, Add	*0.08*	

10 14 23 11-0042 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0043 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0042)*

10 14 23 11-0044	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	23.74	7.77
		For >25 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-2.46*	
		For Glow-In-Dark, Add	*4.92*	
		For Reflective Finish, Add	*6.15*	
10 14 23 11-0045	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	30.45	7.77
		For >25 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-4.47*	
		For Glow-In-Dark, Add	*8.95*	
		For Reflective Finish, Add	*11.18*	
10 14 23 11-0046	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	39.40	7.77
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.97*	
		For >100, Deduct	*-7.16*	
		For Glow-In-Dark, Add	*14.32*	
		For Reflective Finish, Add	*17.90*	
10 14 23 11-0047	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	52.82	7.77
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Glow-In-Dark, Add	*22.37*	
		For Reflective Finish, Add	*27.96*	

10 14 23 11-0048 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0049 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0048)*

10 14 23 11-0050	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	24.49	7.77
		For >25 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-2.69*	
		For Glow-In-Dark, Add	*5.37*	
		For Reflective Finish, Add	*6.71*	
10 14 23 11-0051	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	31.94	7.77
		For >25 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-4.92*	
		For Glow-In-Dark, Add	*9.84*	
		For Reflective Finish, Add	*12.30*	
10 14 23 11-0052	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	48.34	7.77
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	
10 14 23 11-0053	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	54.31	7.77
		For >25 To 50, Deduct	*-3.88*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-11.63*	
		For Glow-In-Dark, Add	*23.26*	
		For Reflective Finish, Add	*29.08*	

10 14 23 11-0054 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0055 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0054)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0056	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	26.72	7.77
		For >25 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-3.35*	
		For Glow-In-Dark, Add	*6.71*	
		For Reflective Finish, Add	*8.39*	
10 14 23 11-0057	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	37.90	7.77
		For >25 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-6.71*	
		For Glow-In-Dark, Add	*13.42*	
		For Reflective Finish, Add	*16.77*	
10 14 23 11-0058	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	42.38	7.77
		For >25 To 50, Deduct	*-2.68*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-8.05*	
		For Glow-In-Dark, Add	*16.10*	
		For Reflective Finish, Add	*20.13*	
10 14 23 11-0059	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	48.34	7.77
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	

10 14 23 11-0060 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0061	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.28	0.44
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.45*	
10 14 23 11-0062	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.41	0.52
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.49*	
10 14 23 11-0063	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	2.53	0.58
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.52*	
10 14 23 11-0064	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.17	0.67
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.62*	
10 14 23 11-0065	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.35	0.78
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.66*	
10 14 23 11-0066	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.91	0.89
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.00*	
10 14 23 11-0067	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	5.44	1.00
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.13*	
10 14 23 11-0068	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.52	1.11
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.59*	
10 14 23 11-0069	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.67	1.22
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.13*	
10 14 23 11-0070	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.65	1.33
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.82*	

10 14 23 11-0071 Standoffs For Wall Signage *(10 14 23 11)*

Note: Excludes signage

10 14 23 11-0072	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	9.81	2.57
10 14 23 11-0073	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	10.41	2.57
10 14 23 11-0074	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	10.56	2.57
10 14 23 11-0075	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	11.12	2.57
10 14 23 11-0076	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	11.72	2.57
10 14 23 11-0077	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	12.92	2.57
10 14 23 11-0078	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	12.28	3.09
10 14 23 11-0079	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	13.94	3.09
10 14 23 11-0080	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	15.29	3.09
10 14 23 11-0081	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	15.80	3.09
10 14 23 11-0082	EA	1" Diameter x 1" Long, Stainless Steel Standoff	17.75	3.09
10 14 23 11-0083	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	20.16	3.09
10 14 23 11-0084	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	11.57	2.57
10 14 23 11-0085	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	12.02	2.57
10 14 23 11-0086	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	13.64	3.09
10 14 23 11-0087	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	14.09	3.09
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	15.20	3.09
10 14 23 11-0089	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	15.50	3.09

10 14 23 11-0090 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0091	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	90.30
10 14 23 11-0092	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	104.40
10 14 23 11-0093	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	117.29
10 14 23 11-0094	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	33.30

10 14 23 11-0095 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on sign. Installed on building.

10 14 23 11-0096	EA	6" x 18" Metal Building Sign With Numbers	109.25	13.32
10 14 23 11-0097	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	35.21	3.61
10 14 23 11-0098	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	25.25	3.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0099	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	35.13	2.83
10 14 23 11-0100	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	41.68	3.10
10 14 23 11-0101	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	45.98	3.36
10 14 23 11-0102	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	56.30	3.61

10 14 29 Wall or Ground Mounted Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 29 00-0001 Illuminated Signage *(10 14 29)*

10 14 29 00-0002 Removal Of Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	226.43
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	271.72
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	362.26
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	543.43
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	724.51

10 14 29 00-0008 Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	221.80
		For >5 To 11 Per Each Sign, Deduct	*-11.09*
		For >11 To 20 Per Each Sign, Deduct	*-16.64*
		For >20 Per Each Sign, Deduct	*-22.18*
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	181.23
		For >5 To 11 Per Each Sign, Deduct	*-9.06*
		For >11 To 20 Per Each Sign, Deduct	*-13.59*
		For >20 Per Each Sign, Deduct	*-18.12*
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	147.84
		For >5 To 11 Per Each Sign, Deduct	*-7.39*
		For >11 To 20 Per Each Sign, Deduct	*-11.09*
		For >20 Per Each Sign, Deduct	*-14.78*
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	133.54
		For >5 To 11 Per Each Sign, Deduct	*-6.68*
		For >11 To 20 Per Each Sign, Deduct	*-10.02*
		For >20 Per Each Sign, Deduct	*-13.35*
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	121.62
		For >5 To 11 Per Each Sign, Deduct	*-6.08*
		For >11 To 20 Per Each Sign, Deduct	*-9.12*
		For >20 Per Each Sign, Deduct	*-12.16*

10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*

10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	59.62
		For >5 To 11 Per Each Sign, Deduct	*-2.98*
		For >11 To 20 Per Each Sign, Deduct	*-4.47*
		For >20 Per Each Sign, Deduct	*-5.96*
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	47.70
		For >5 To 11 Per Each Sign, Deduct	*-2.39*
		For >11 To 20 Per Each Sign, Deduct	*-3.58*
		For >20 Per Each Sign, Deduct	*-4.77*
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	38.16
		For >5 To 11 Per Each Sign, Deduct	*-1.91*
		For >11 To 20 Per Each Sign, Deduct	*-2.86*
		For >20 Per Each Sign, Deduct	*-3.82*
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	31.01
		For >5 To 11 Per Each Sign, Deduct	*-1.55*
		For >11 To 20 Per Each Sign, Deduct	*-2.33*
		For >20 Per Each Sign, Deduct	*-3.10*
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	24.81
		For >5 To 11 Per Each Sign, Deduct	*-1.24*
		For >11 To 20 Per Each Sign, Deduct	*-1.86*
		For >20 Per Each Sign, Deduct	*-2.48*

10 14 29 00-0020 Posts *(10 14 29)*

Note: Includes mounting bolts and installation for sign blades to posts.

10 14 29 00-0021	LF	2" Square Galvanized Steel Post	19.51
		For Powder Coating, Add	*1.15*
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	18.65
		For Powder Coating, Add	*1.09*
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	6.54
10 14 29 00-0024	EA	Mounting On Ground With Base	41.19
		Note: Includes bolts and drilling for bolts.	
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	224.40
		For >5 To 11, Deduct	*-11.22*
		For >11 To 20, Deduct	*-16.83*
		For >20, Deduct	*-22.44*

10 14 31 Overhead and Ceiling Hung Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 31 00-0001 Illuminated Signage *(10 14 31)*

10 14 31 00-0002 Removal Of Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	249.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	298.89	
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	398.52	
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	597.77	
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF	796.89	

10 14 31 00-0008 Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	245.78	
		For >5 To 11 Per Each Sign, Deduct	*-12.29*	
		For >11 To 20 Per Each Sign, Deduct	*-18.43*	
		For >20 Per Each Sign, Deduct	*-24.58*	
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	200.80	
		For >5 To 11 Per Each Sign, Deduct	*-10.04*	
		For >11 To 20 Per Each Sign, Deduct	*-15.06*	
		For >20 Per Each Sign, Deduct	*-20.08*	
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	163.80	
		For >5 To 11 Per Each Sign, Deduct	*-8.19*	
		For >11 To 20 Per Each Sign, Deduct	*-12.29*	
		For >20 Per Each Sign, Deduct	*-16.38*	
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	147.96	
		For >5 To 11 Per Each Sign, Deduct	*-7.40*	
		For >11 To 20 Per Each Sign, Deduct	*-11.10*	
		For >20 Per Each Sign, Deduct	*-14.80*	
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	134.73	
		For >5 To 11 Per Each Sign, Deduct	*-6.74*	
		For >11 To 20 Per Each Sign, Deduct	*-10.10*	
		For >20 Per Each Sign, Deduct	*-13.47*	

10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*

10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	23.26	
		For >5 To 11 Per Each Sign, Deduct	*-1.16*	
		For >11 To 20 Per Each Sign, Deduct	*-1.74*	
		For >20 Per Each Sign, Deduct	*-2.33*	
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	18.62	
		For >5 To 11 Per Each Sign, Deduct	*-0.93*	
		For >11 To 20 Per Each Sign, Deduct	*-1.40*	
		For >20 Per Each Sign, Deduct	*-1.86*	
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	15.51	
		For >5 To 11 Per Each Sign, Deduct	*-0.78*	
		For >11 To 20 Per Each Sign, Deduct	*-1.16*	
		For >20 Per Each Sign, Deduct	*-1.55*	
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	13.44	
		For >5 To 11 Per Each Sign, Deduct	*-0.67*	
		For >11 To 20 Per Each Sign, Deduct	*-1.01*	
		For >20 Per Each Sign, Deduct	*-1.34*	
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	11.90	
		For >5 To 11 Per Each Sign, Deduct	*-0.60*	
		For >11 To 20 Per Each Sign, Deduct	*-0.89*	
		For >20 Per Each Sign, Deduct	*-1.19*	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	51.24	5.55
		For >25 To 50, Deduct	*-4.01*	
		For >50 To 100, Deduct	*-10.04*	
		For >100, Deduct	*-12.04*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	57.77	5.55
		For >25 To 50, Deduct	*-4.67*	
		For >50 To 100, Deduct	*-11.67*	
		For >100, Deduct	*-14.00*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	66.73	5.55
		For >25 To 50, Deduct	*-5.56*	
		For >50 To 100, Deduct	*-13.91*	
		For >100, Deduct	*-16.69*	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	65.30	10.00
		For Hi-Intensity Grade, Add	*13.59*	
		For Diamond Grade, Add	*25.83*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	80.35	10.57
		For Hi-Intensity Grade, Add	*17.78*	
		For Diamond Grade, Add	*33.77*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	88.44	11.11
		For Hi-Intensity Grade, Add	*27.15*	
		For Diamond Grade, Add	*43.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	108.13	11.68
		For Hi-Intensity Grade, Add	*10.18*	
		For Diamond Grade, Add	*55.13*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	160.36	12.22
		For Hi-Intensity Grade, Add	*29.90*	
		For Diamond Grade, Add	*93.79*	
10 14 53 11-0009		**Steel Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	116.08	10.00
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	152.00	10.57
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	161.61	11.11
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	245.07	11.68
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	320.13	12.22
10 14 53 11-0015		**Polyethylene Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	119.65	10.00
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	161.12	10.57
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	179.57	11.11
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	245.89	11.68
10 14 53 11-0020		**Other Reflectorized Traffic Signs** *(10 14 53 11-0002)*		
		Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021		**Aluminum Engineer Grade Traffic Signs** *(10 14 53 11-0020)*		
10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	28.99	8.88
		For Hi-Intensity Grade, Add	*3.37*	
		For Diamond Grade, Add	*6.40*	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	34.61	8.88
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	34.61	8.88
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	38.81	8.88
		For Hi-Intensity Grade, Add	*6.31*	
		For Diamond Grade, Add	*11.99*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	43.02	8.88
		For Hi-Intensity Grade, Add	*7.58*	
		For Diamond Grade, Add	*14.39*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	52.55	9.44
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	86.22	9.44
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	40.22	8.88
		For Hi-Intensity Grade, Add	*6.74*	
		For Diamond Grade, Add	*12.80*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	52.55	9.44
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	63.78	9.44
		For Hi-Intensity Grade, Add	*13.47*	
		For Diamond Grade, Add	*25.59*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	75.00	9.44
		For Hi-Intensity Grade, Add	*16.84*	
		For Diamond Grade, Add	*31.99*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	86.22	9.44
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	69.39	9.44
		For Hi-Intensity Grade, Add	*15.15*	
		For Diamond Grade, Add	*28.79*	
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	86.22	9.44
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	104.17	10.00
		For Hi-Intensity Grade, Add	*25.25*	
		For Diamond Grade, Add	*47.98*	
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	121.01	10.00
		For Hi-Intensity Grade, Add	*30.31*	
		For Diamond Grade, Add	*57.58*	
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	159.12	12.22
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	175.95	12.22
		For Hi-Intensity Grade, Add	*45.46*	
		For Diamond Grade, Add	*86.37*	
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	109.78	10.00
		For Hi-Intensity Grade, Add	*26.94*	
		For Diamond Grade, Add	*51.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	132.23	10.00
		For Hi-Intensity Grade, Add	*33.67*	
		For Diamond Grade, Add	*63.98*	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	154.68	10.00
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	181.56	12.22
		For Hi-Intensity Grade, Add	*47.14*	
		For Diamond Grade, Add	*89.56*	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	204.01	12.22
		For Hi-Intensity Grade, Add	*53.87*	
		For Diamond Grade, Add	*102.36*	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	226.46	12.22
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	248.91	12.22
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	160.29	10.00
		For Hi-Intensity Grade, Add	*42.09*	
		For Diamond Grade, Add	*79.97*	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	192.79	12.22
		For Hi-Intensity Grade, Add	*50.51*	
		For Diamond Grade, Add	*95.97*	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	220.85	12.22
		For Hi-Intensity Grade, Add	*58.93*	
		For Diamond Grade, Add	*111.96*	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	253.36	14.43
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	313.91	16.66
		For Hi-Intensity Grade, Add	*84.18*	
		For Diamond Grade, Add	*159.94*	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	226.46	12.22
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	264.58	14.43
		For Hi-Intensity Grade, Add	*70.71*	
		For Diamond Grade, Add	*134.35*	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	302.68	16.66
		For Hi-Intensity Grade, Add	*80.81*	
		For Diamond Grade, Add	*153.54*	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	336.36	16.66
		For Hi-Intensity Grade, Add	*90.92*	
		For Diamond Grade, Add	*172.74*	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	374.48	18.88
		For Hi-Intensity Grade, Add	*101.02*	
		For Diamond Grade, Add	*191.93*	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	451.87	21.10
		For Hi-Intensity Grade, Add	*122.90*	
		For Diamond Grade, Add	*233.51*	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	479.93	21.10
		For Hi-Intensity Grade, Add	*131.32*	
		For Diamond Grade, Add	*249.51*	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	654.95	24.43
		For Hi-Intensity Grade, Add	*181.83*	
		For Diamond Grade, Add	*345.47*	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	308.30	16.66
		For Hi-Intensity Grade, Add	*82.50*	
		For Diamond Grade, Add	*156.74*	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	396.93	18.88
		For Hi-Intensity Grade, Add	*107.75*	
		For Diamond Grade, Add	*204.73*	
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	446.26	21.10
		For Hi-Intensity Grade, Add	*121.22*	
		For Diamond Grade, Add	*230.31*	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	491.16	21.10
		For Hi-Intensity Grade, Add	*134.69*	
		For Diamond Grade, Add	*255.91*	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	542.71	24.43
		For Hi-Intensity Grade, Add	*148.16*	
		For Diamond Grade, Add	*281.49*	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	587.61	24.43
		For Hi-Intensity Grade, Add	*161.63*	
		For Diamond Grade, Add	*307.09*	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	681.85	26.65
		For Hi-Intensity Grade, Add	*188.56*	
		For Diamond Grade, Add	*358.27*	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	771.64	26.65
		For Hi-Intensity Grade, Add	*215.50*	
		For Diamond Grade, Add	*409.45*	
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	816.54	26.65
		For Hi-Intensity Grade, Add	*228.97*	
		For Diamond Grade, Add	*435.04*	
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	863.65	27.76
		For Hi-Intensity Grade, Add	*242.44*	
		For Diamond Grade, Add	*460.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	726.75	26.65
		For Hi-Intensity Grade, Add	*202.03*	
		For Diamond Grade, Add	*383.86*	
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,687.31	35.54
		For Hi-Intensity Grade, Add	*484.87*	
		For Diamond Grade, Add	*921.26*	
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,222.82	27.76
		For Hi-Intensity Grade, Add	*350.19*	
		For Diamond Grade, Add	*665.36*	
10 14 53 11-0073		**Polyethylene Engineer Grade Traffic Signs** *(10 14 53 11-0020)*		
10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	78.95	8.35
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	92.10	8.88
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	98.89	9.46
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	124.93	10.00
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	161.12	10.57
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	184.17	10.57
10 14 53 11-0080		**Non-Reflectorized Traffic Signs** *(10 14 53 11-0001)*		
		Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0081		**Steel Non-Reflectorized Traffic Signs** *(10 14 53 11-0080)*		
10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	26.81	8.88
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	31.33	8.88
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	31.33	8.88
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	34.72	8.88
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	38.11	8.88
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	46.00	9.44
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	73.11	9.44
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	35.85	8.88
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	46.00	9.44
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	55.04	9.44
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	64.07	9.44
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	73.11	9.44
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	59.55	9.44
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	73.11	9.44
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	87.78	10.00
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	101.34	10.00
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	132.90	12.22
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	146.45	12.22
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	92.30	10.00
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	110.38	10.00
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	128.46	10.00
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	150.97	12.22
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	169.05	12.22
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	187.13	12.22
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	205.21	12.22
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	132.98	10.00
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	160.01	12.22
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	182.61	12.22
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	209.66	14.43
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	259.28	16.66
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	187.13	12.22
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	218.70	14.43
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	250.24	16.66
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	277.36	16.66
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	308.92	18.88
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	372.12	21.10
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	394.71	21.10
10 14 53 11-0119	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	536.96	24.43
10 14 53 11-0120	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	254.76	16.66
10 14 53 11-0121	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	327.00	18.88
10 14 53 11-0122	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	367.60	21.10
10 14 53 11-0123	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	403.75	21.10
10 14 53 11-0124	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	446.57	24.43
10 14 53 11-0125	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	482.72	24.43
10 14 53 11-0126	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	559.48	26.65
10 14 53 11-0127	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	631.79	26.65
10 14 53 11-0128	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	667.95	26.65
10 14 53 11-0129	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	706.33	27.76
10 14 53 11-0130	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	595.64	26.65
10 14 53 11-0131	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,372.66	35.54
10 14 53 11-0132	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	995.57	27.76
10 14 53 11-0133		**Aluminum Non-Reflectorized Traffic Signs** *(10 14 53 11-0080)*		
10 14 53 11-0134	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	27.18	8.88
10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	31.88	8.88
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	31.88	8.88
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	35.41	8.88
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	38.94	8.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	47.10	9.44
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	75.32	9.44
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	36.58	8.88
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	47.10	9.44
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	56.51	9.44
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	65.92	9.44
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	75.32	9.44
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	61.21	9.44
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	75.32	9.44
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	90.54	10.00
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	104.65	10.00
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	137.32	12.22
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	151.43	12.22
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	95.25	10.00
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	114.06	10.00
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	132.88	10.00
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	156.13	12.22
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	174.94	12.22
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	193.76	12.22
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	212.57	12.22
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	137.58	10.00
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	165.54	12.22
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	189.06	12.22
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	217.02	14.43
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	268.49	16.66
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	193.76	12.22
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	226.43	14.43
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	259.08	16.66
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	287.30	16.66
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	319.98	18.88
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	385.56	21.10
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	409.08	21.10
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	556.85	24.43
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	263.79	16.66
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	338.79	18.88
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	380.86	21.10
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	418.49	21.10
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	462.78	24.43
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	500.40	24.43
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	580.11	26.65
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	655.37	26.65
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	693.00	26.65
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	732.85	27.76
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	617.74	26.65
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,425.70	35.54
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,033.88	27.76

10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	61.38	8.35
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	68.02	8.88
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	73.78	9.46
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	106.97	10.00
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	115.29	10.57
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	138.38	11.11

10 14 53 11-0192 Aluminum Street Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0193 Aluminum Engineer Grade Street Signs *(10 14 53 11-0192)*

10 14 53 11-0194	EA	6" High, Aluminum Engineer Grade Street Sign	101.70	4.45
		For Hi-Intensity Grade, Add	*27.85*	
		For Diamond Grade, Add	*52.91*	
10 14 53 11-0195	EA	8" High, Aluminum Engineer Grade Street Sign	118.09	4.45
		For Hi-Intensity Grade, Add	*32.76*	
		For Diamond Grade, Add	*62.25*	
10 14 53 11-0196	EA	9" High, Aluminum Engineer Grade Street Sign	130.28	4.45
		For Hi-Intensity Grade, Add	*36.42*	
		For Diamond Grade, Add	*69.20*	

10 14 53 11-0197 Street Sign Accessories *(10 14 53 11-0192)*

10 14 53 11-0198	EA	Single Bracket And Post Cap For Street Sign	26.78	2.22
10 14 53 11-0199	EA	Double Bracket And Post Cap For Street Sign	26.78	2.22

10 14 53 11-0200 Sign Posts *(10 14 53 11-0001)*

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill., 32 31 13 13-0019 for concrete fill.

10 14 53 11-0201 U-Channel Sign Posts *(10 14 53 11-0200)*

Note: Excludes digging and concrete.

10 14 53 11-0202 Baked Enamel U-Channel Sign Posts *(10 14 53 11-0201)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0203	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	57.19	9.23
10 14 53 11-0204	EA	6' Baked Enamel U-Channel Sign Post	77.55	11.54
10 14 53 11-0205	EA	7' Baked Enamel U-Channel Sign Post	92.30	13.83
10 14 53 11-0206	EA	8' Baked Enamel U-Channel Sign Post	108.31	16.14
10 14 53 11-0207	EA	10' Baked Enamel U-Channel Sign Post	130.17	19.61
10 14 53 11-0208	EA	12' Baked Enamel U-Channel Sign Post	136.38	19.61
10 14 53 11-0209		Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0201)*		
10 14 53 11-0210	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	65.17	9.23
10 14 53 11-0211	EA	6' Galvanized Steel U-Channel Sign Post	90.22	11.54
10 14 53 11-0212	EA	7' Galvanized Steel U-Channel Sign Post	120.96	13.83
10 14 53 11-0213	EA	8' Galvanized Steel U-Channel Sign Post	140.00	16.14
10 14 53 11-0214	EA	10' Galvanized Steel U-Channel Sign Post	153.23	19.61
10 14 53 11-0215	EA	12' Galvanized Steel U-Channel Sign Post	156.44	19.61
10 14 53 11-0216		Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0201)*		
10 14 53 11-0217	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	55.31	9.23
10 14 53 11-0218	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	73.45	11.54
10 14 53 11-0219	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	87.35	13.83
10 14 53 11-0220	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	102.42	16.14
10 14 53 11-0221	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	119.48	19.61
10 14 53 11-0222	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	130.04	19.61
10 14 53 11-0223		Tubular Sign Posts *(10 14 53 11-0200)*		
		Note: Excludes digging and concrete.		
10 14 53 11-0224		2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 11-0223)*		
10 14 53 11-0225	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	91.53	11.54
10 14 53 11-0226	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	107.95	13.83
10 14 53 11-0227	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	128.38	16.14
10 14 53 11-0228	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	170.57	19.61
10 14 53 11-0229	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	192.33	19.61
10 14 53 11-0230		Square Sign Posts *(10 14 53 11-0200)*		
		Note: Excludes digging and concrete.		
10 14 53 11-0231		Galvanized Steel Square Sign Posts *(10 14 53 11-0230)*		
10 14 53 11-0232	EA	3' To 4' Galvanized Steel Square Sign Post Base	66.95	9.23
10 14 53 11-0233	EA	6' Galvanized Steel Square Sign Post	120.24	11.54
10 14 53 11-0234	EA	7' Galvanized Steel Square Sign Post	139.63	13.83
10 14 53 11-0235	EA	8' Galvanized Steel Square Sign Post	162.85	16.14
10 14 53 11-0236	EA	10' Galvanized Steel Square Sign Post	199.34	19.61
10 14 53 11-0237	EA	12' Galvanized Steel Square Sign Post	214.53	19.61
10 14 53 11-0238		Other Sign Posts And Bases *(10 14 53 11-0001)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0239		2.5 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0238)*		
10 14 53 11-0240		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0239)*		
10 14 53 11-0241	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	69.47	11.11
10 14 53 11-0242	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	51.70	8.88
10 14 53 11-0243		Breakaway Sign Posts, 2.5 Lb./LF *(10 14 53 11-0239)*		
10 14 53 11-0244	LF	2.5 Lb./LF Breakaway Sign Post	11.67	1.11
10 14 53 11-0245		4 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0238)*		
10 14 53 11-0246		Base Posts, 4 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0245)*		
10 14 53 11-0247	EA	Base Post For 4 Lb./LF Breakaway Sign Post	74.22	13.32
10 14 53 11-0248	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	51.70	8.88
10 14 53 11-0249		Breakaway Sign Posts, 4 Lb./LF *(10 14 53 11-0245)*		
10 14 53 11-0250	LF	4 Lb./LF Breakaway Sign Post	14.62	1.11
10 14 53 11-0251		Driven Sign Posts *(10 14 53 11-0238)*		
10 14 53 11-0252		Driven Posts, 2.5 Lb./LF *(10 14 53 11-0251)*		
10 14 53 11-0253	LF	2.5 Lb./LF Driven Post	12.12	1.56
10 14 53 11-0254		Driven Posts, 4 Lb./LF *(10 14 53 11-0251)*		
10 14 53 11-0255	LF	4 Lb./LF Driven Post	15.29	1.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0256		Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0238)*		
10 14 53 11-0257		Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0256)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0258	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,446.13	
10 14 53 11-0259	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,540.84	
10 14 53 11-0260	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,056.37	
10 14 53 11-0261	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	925.24	
10 14 53 11-0262	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,049.08	
10 14 53 11-0263	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	998.09	
10 14 53 11-0264	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,081.87	
10 14 53 11-0265		Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0256)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0266	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	469.79	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	492.53	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	511.48	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	776.69	
10 14 53 11-0270	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	68.20	
10 14 53 11-0271	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	90.93	
10 14 53 11-0272		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0273		Sign Post Brackets *(10 14 53 11-0272)*		
10 14 53 11-0274	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	57.46	3.34
10 14 53 11-0275	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	72.16	5.55
10 14 53 11-0276	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	67.71	4.45
10 14 53 11-0277		Sign Post Caps *(10 14 53 11-0272)*		
10 14 53 11-0278	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	23.40	2.22
10 14 53 11-0279		Sign Post Replacement Bolts *(10 14 53 11-0272)*		
10 14 53 11-0280	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	13.53	
10 14 53 11-0281		Removal Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations.		
10 14 53 11-0282	EA	>4 To 10 SF Sign Area, Sign Removal	88.84	
10 14 53 11-0283	EA	>10 To 20 SF Sign Area, Sign Removal	213.22	
10 14 53 11-0284	EA	>20 To 40 SF Sign Area, Sign Removal	319.84	
10 14 53 11-0285	EA	>40 To 100 SF Sign Area, Sign Removal	613.93	
10 14 53 11-0286		Removal And Reinstallation Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations		
10 14 53 11-0287	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	140.24	
10 14 53 11-0288	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	324.80	
10 14 53 11-0289	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	483.98	
10 14 53 11-0290	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	924.83	
10 14 53 11-0291	EA	Removal And Reinstallation Of Street Sign On Post	51.08	
10 14 53 11-0292	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	197.92	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	10.76	
10 14 56 00-0004	LF	Removal Of Truss And Supports	121.68	
10 14 56 00-0005	SF	Removal Of Sign Face	5.57	
10 14 56 00-0006	SF	Removal Of Legend	9.27	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	106.97	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	55.63	
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	385.59	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	80.12	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,530.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0013	LB	Ground Mounted Steel Structure	6.32	
10 14 56 00-0014		**Fabricate And Install New 12" Extruded Aluminum Channel** *(10 14 56 00-0001)* Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	145.99	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	130.91	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	117.41	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	105.61	
10 14 56 00-0019		**Fabricate And Install New Reflective Messages On Sign Face** *(10 14 56 00-0001)*		
10 14 56 00-0020		**One Color/3 Dimensional Demountable Letters** *(10 14 56 00-0019)*		
10 14 56 00-0021	EA	6" Capital Height Letter	19.90	
10 14 56 00-0022	EA	8" Capital Height Letter	23.95	
10 14 56 00-0023	EA	10" Capital Height Letter	27.97	
10 14 56 00-0024	EA	12" Capital Height Letter	31.70	
10 14 56 00-0025	EA	14" Capital Height Letter	34.35	
10 14 56 00-0026		**Two Color Legend Shields-Die Cut Vinyl Engineer Grade** *(10 14 56 00-0019)*		
10 14 56 00-0027	EA	6" Legend/Shields	20.79	
10 14 56 00-0028	EA	8" Legend/Shields	25.14	
10 14 56 00-0029	EA	10" Legend/Shields	29.46	
10 14 56 00-0030	EA	12" Legend/Shields	33.48	
10 14 56 00-0031	EA	14" Legend/Shields	36.45	
10 14 56 00-0032		**Fabricate And Install New Changeable Message Panel** *(10 14 56 00-0001)*		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel	23.17	
10 14 63		**Electronic Message Signage** *(10 14)*		
10 14 63 00-0001		**Dynamic Signs** *(10 14 63)*		
10 14 63 00-0002		**Programming/Software And Repair** *(10 14 63 00-0001)*		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	69.21	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	43.26	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source	43.26	
10 14 63 00-0006		**Fabricate And Install New Sign Cabinets** *(10 14 63 00-0001)*		
10 14 63 00-0007		**Cabinet For Flip Disk Display** *(10 14 63 00-0006)*		
10 14 63 00-0008	SF	1 To 99 SF Cabinet	98.05	
10 14 63 00-0009	SF	100 To 200 SF Cabinet	82.18	
10 14 63 00-0010		**Fabricate And Install New Sign Face Components** *(10 14 63 00-0001)*		
10 14 63 00-0011		**Enhanced Flip Disk Display** *(10 14 63 00-0010)*		
10 14 63 00-0012	EA	Enhanced Flip Disk	91.48	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	36.09	
10 14 63 00-0014		**Disappearing Copy Sign** *(10 14 63 00-0010)*		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	29.22	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	21.06	
10 14 63 00-0017		**Fabricate And Install Transfer Lights And Signs** *(10 14 63 00-0001)*		
10 14 63 00-0018	EA	Passenger Transfer Signage	433.20	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001		**Enamel Coated Steel Toilet Partitions And Urinal Screens** *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		**Enamel Coated Steel Toilet Partitions** *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		**Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	923.03	58.05
		For >10, Deduct	*-80.69*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,134.61	63.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,216.28	65.79
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0007		**Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Includes head rail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	933.50	70.96
		For >10, Deduct	*-79.16*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,100.99	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,168.47	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0011		**Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,101.51	83.85
		For >10, Deduct	*-93.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,307.12	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,377.88	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0015		**Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,023.43	96.75
		For >10, Deduct	*-82.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,265.68	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,345.13	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0019		**Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0020		**Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	474.65	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	529.65	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	586.53	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0024		**Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	242.01	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	260.59	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	273.39	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	329.50	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	379.41	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	403.74	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	428.05	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	432.48	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	464.46	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	517.54	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)*		
		Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039		**Enamel Coated Steel, Toilet Partition Doors** *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	311.98	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	319.65	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	338.45	11.10
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	372.95	11.10
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	380.61	11.10
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0045		**Enamel Coated Steel, Toilet Partition Panels** *(10 21 13 13-0038)*		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	203.46	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	225.21	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	246.96	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	268.70	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	290.45	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	312.20	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	332.03	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	353.79	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	367.86	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	376.56	26.32
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	387.69	27.10
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	426.68	28.38
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	459.94	29.67
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	164.98	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	180.98	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	198.89	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	232.14	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	263.47	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	294.80	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	387.47	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	447.55	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	480.79	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0069		**82" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	128.57	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	138.81	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	150.98	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	170.81	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	188.72	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.55	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	262.88	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	298.04	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	317.87	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	179.73	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	195.72	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	213.64	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	246.88	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	278.21	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	309.54	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	402.21	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	462.29	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	495.54	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,329.76	58.05
		For >10, Deduct	*-221.37*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*774.78*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,831.04	63.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*946.61*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,966.30	65.79
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*992.15*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,915.72	70.96
		For >10, Deduct	*-177.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*620.84*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,358.62	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*772.24*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,581.28	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*848.36*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,691.16	83.85
		For >10, Deduct	*-252.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*883.21*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,888.78	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*948.76*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,028.19	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*995.75*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,660.56	96.75
		For >10, Deduct	*-246.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*863.47*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,279.73	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,076.57*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,455.69	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,136.35*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	724.75	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	826.08	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	839.10	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*264.83*	

10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	524.83	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*162.05*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	567.80	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*175.28*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	621.16	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*192.16*	

10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	895.57	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*290.00*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	936.15	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*302.40*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	976.48	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*314.72*	

10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	724.75	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	826.06	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	931.91	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*297.31*	

10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 14-0037 Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*

10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	514.32	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*172.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	592.29	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*200.08*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	605.67	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*203.86*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	628.18	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*211.74*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	634.44	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*213.93*	
10 21 13 14-0043		Stainless Steel, Toilet Partition Panels *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	427.10	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*138.65*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	475.43	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*154.66*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	493.83	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*160.20*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	515.22	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*166.78*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	553.34	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.22*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	598.23	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*194.03*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	706.32	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*230.96*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	775.77	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*254.36*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	794.18	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*259.90*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	835.69	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*274.07*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	890.02	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*292.54*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	932.57	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*306.53*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,027.17	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*338.74*	
10 21 13 14-0057		70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*		
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	304.07	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*101.01*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	329.52	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*109.01*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	356.74	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	406.83	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*134.26*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	456.92	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*150.89*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	507.01	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*167.52*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	650.36	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*216.79*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	747.97	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*250.05*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	798.06	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*266.68*	
10 21 13 14-0067		82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	227.59	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*74.24*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	244.69	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*79.32*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	262.52	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*84.66*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	345.61	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*112.84*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	390.61	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*127.68*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	401.99	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*130.76*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	457.10	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*149.15*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	517.45	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*169.37*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	548.68	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.40*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	328.58	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*107.78*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	359.32	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	388.29	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*126.87*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	447.18	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*146.58*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	504.31	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*165.67*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	561.44	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*184.77*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	731.19	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*243.27*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	842.87	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*281.46*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	901.76	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*301.17*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,424.61	58.05
		For >10, Deduct	*-130.85*	
		For Cast Stainless Steel Hardware, Add	*215.64*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,769.97	63.21
		For Cast Stainless Steel Hardware, Add	*215.66*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,912.72	65.79
		For Cast Stainless Steel Hardware, Add	*215.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0007		**Overhead Braced, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Includes head rail.		
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,514.30	70.96
		For >10, Deduct	*-137.24*	
		For Cast Stainless Steel Hardware, Add	*215.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,875.62	76.11
		For Cast Stainless Steel Hardware, Add	*215.72*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,030.35	78.69
		For Cast Stainless Steel Hardware, Add	*215.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0011		**Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,018.22	96.75
		For >10, Deduct	*-182.47*	
		For Cast Stainless Steel Hardware, Add	*215.81*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,391.80	101.92
		For Cast Stainless Steel Hardware, Add	*215.84*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,534.56	104.50
		For Cast Stainless Steel Hardware, Add	*215.85*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	560.16	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	613.19	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	627.72	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	425.08	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	443.91	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	461.50	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	590.23	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	649.97	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	715.44	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	535.90	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	590.29	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	604.04	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	504.39	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	551.39	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	566.79	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	581.32	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	595.00	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels *(10 21 13 16-0032)*

10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	221.48	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	246.22	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	270.95	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	296.81	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	320.42	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	346.41	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	351.59	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	358.42	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	377.27	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	394.92	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	414.00	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	480.68	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	556.77	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	197.53	7.74
		For 1-1/4" Pilaster, Add	*15.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*182.05*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	227.46	9.03
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	230.04	10.32
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	253.13	11.61
		For 1-1/4" Pilaster, Add	*18.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*229.91*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	261.69	12.90
		For 1-1/4" Pilaster, Add	*19.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*235.89*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	283.93	14.19
		For 1-1/4" Pilaster, Add	*21.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*255.55*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	370.27	15.48
		For 1-1/4" Pilaster, Add	*27.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*339.31*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	454.89	16.77
		For 1-1/4" Pilaster, Add	*34.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*421.35*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	513.03	18.06
		For 1-1/4" Pilaster, Add	*39.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*476.91*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	412.90	7.74
		For 1-1/4" Pilaster, Add	*32.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*397.42*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	454.80	9.03
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	457.38	10.32
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	493.29	11.61
		For 1-1/4" Pilaster, Add	*38.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*470.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	537.75	12.90
		For 1-1/4" Pilaster, Add	*42.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*511.95*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	572.81	14.19
		For 1-1/4" Pilaster, Add	*44.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*544.43*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	720.27	15.48
		For 1-1/4" Pilaster, Add	*56.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*689.31*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	823.26	16.77
		For 1-1/4" Pilaster, Add	*65.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*789.72*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	842.08	18.06
		For 1-1/4" Pilaster, Add	*66.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*805.96*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,894.07	70.96
		For >10, Deduct	*-175.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,086.35*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,365.85	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,372.45*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,638.87	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,538.52*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,853.51	83.85
		For >10, Deduct	*-168.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,045.20*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,368.15	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,357.87*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,641.14	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,523.94*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,917.52	96.75
		For >10, Deduct	*-172.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,068.89*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,314.21	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,308.44*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,587.21	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,474.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0015		**Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		**Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	397.51	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*208.12*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	415.89	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*216.31*	
10 21 13 19-0019		**Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	523.25	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	680.47	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	760.50	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*423.59*	
10 21 13 19-0023		**Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	528.41	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	685.61	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	827.77	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*462.10*	
10 21 13 19-0027		**Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028		**Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	471.64	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*279.62*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	512.68	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*305.06*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	556.00	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*330.32*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	639.06	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*381.82*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	658.71	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*394.00*	
10 21 13 19-0034		**Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	130.92	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*61.98*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	233.47	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*123.96*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	335.99	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*185.92*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	397.53	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*222.47*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	489.83	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*278.10*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	523.79	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*297.56*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	592.29	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*338.43*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	672.84	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*386.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	737.85	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*425.48*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	754.01	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*434.85*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	779.73	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*449.84*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	888.15	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*515.46*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	960.04	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*558.43*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	208.04	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*119.39*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	229.93	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*131.36*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	248.44	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*141.24*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	265.25	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*150.06*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	298.24	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*168.91*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	331.20	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*187.75*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	467.16	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*270.44*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	530.39	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*308.05*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	578.13	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*336.05*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	251.27	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*142.99*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	275.81	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*156.61*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	303.44	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*172.14*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	345.15	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*196.40*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	387.30	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*220.93*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	429.02	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*245.20*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	560.60	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*325.18*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	629.94	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*366.57*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	686.27	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*399.89*	

10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0070		**Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Includes head rail.		
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,507.33	70.96
		For >10, Deduct	*-236.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,466.57*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,140.64	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,852.82*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,507.40	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,077.01*	
10 21 13 19-0074		**Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,443.54	83.85
		For >10, Deduct	*-227.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,411.01*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,134.68	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,833.12*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,501.42	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,057.31*	
10 21 13 19-0078		**Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)* Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,520.94	96.75
		For >10, Deduct	*-232.74*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,443.01*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,052.83	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,766.38*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,419.57	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,990.56*	
10 21 13 19-0082		**Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0068)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083		**Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	514.98	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*280.95*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	533.69	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*289.35*	
10 21 13 19-0086		**Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	888.22	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,016.90	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*585.75*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,083.47	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	
10 21 13 19-0090		**Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	688.08	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*381.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	898.52	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,088.63	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	

10 21 13 19-0094 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0095 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*

10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	629.48	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*377.48*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	684.91	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*411.85*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	742.47	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*445.94*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	854.61	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*515.46*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	881.14	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*531.91*	

10 21 13 19-0101 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*

10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	165.90	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*83.66*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	303.44	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*167.34*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	440.96	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*251.00*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	523.11	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*300.33*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	646.80	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*375.42*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	691.75	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*401.69*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	783.33	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*456.87*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	891.19	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*522.14*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	978.04	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*574.39*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	999.49	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*587.05*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,033.66	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*607.28*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,179.16	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*695.89*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,275.28	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*753.88*	

10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	275.43	7.74
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*161.17*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	304.08	9.03
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*177.33*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	328.16	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*190.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	379.67	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*221.00*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	427.04	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*248.77*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	474.35	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*276.50*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	619.82	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*365.09*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	704.29	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*415.87*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	767.83	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*453.66*	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	331.99	10.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*193.04*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	364.22	11.61
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*211.42*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	400.63	12.90
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*232.39*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	456.04	14.19
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*265.15*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	512.03	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*298.26*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	567.42	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*331.01*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	744.19	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*439.00*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	836.87	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*494.87*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	912.00	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*539.85*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,269.03	58.05
		For >10, Deduct	*-215.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*457.92*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,816.09	63.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*571.15*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,161.40	65.79
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*642.84*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes head rail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,496.09	70.96
		For >10, Deduct	*-235.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*501.47*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,065.60	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*619.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,428.06	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*694.71*	
10 21 13 19-0145		**Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,540.29	83.85
		For >10, Deduct	*-237.26*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*506.63*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,105.63	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*623.70*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,450.94	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*695.39*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,456.27	96.75
		For >10, Deduct	*-226.28*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*484.86*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,002.92	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*598.00*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,348.25	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*669.69*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	773.84	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*150.96*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	882.39	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*172.94*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,076.44	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*212.86*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	466.96	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*88.17*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	549.03	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*104.58*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	674.80	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*130.16*	
10 21 13 19-0162		**Wall Hung And Post Supported, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	466.84	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*87.32*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	605.26	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*115.56*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	720.01	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*138.84*	
10 21 13 19-0166		**Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	809.12	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*159.20*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	918.41	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*181.32*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,116.30	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*222.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	634.30	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*129.90*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	657.37	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*134.75*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	719.16	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*147.31*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	779.33	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*159.94*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	841.14	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*172.92*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	158.85	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*28.40*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	225.33	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*41.95*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	323.77	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*62.21*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	423.30	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*82.70*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	475.32	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*93.21*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	530.17	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*104.32*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	626.97	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*124.23*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	726.79	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*144.78*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	776.36	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*154.78*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	798.77	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*159.32*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	813.13	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*162.09*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	945.62	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*189.50*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,158.46	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*233.78*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	291.54	7.74
		For 1" Pilaster, Add	*34.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*58.75*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	335.14	9.03
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*67.49*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	337.72	10.32
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*67.62*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	392.44	11.61
		For 1" Pilaster, Add	*46.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*78.70*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	442.03	12.90
		For 1" Pilaster, Add	*52.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*88.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	491.61	14.19
		For 1" Pilaster, Add	*57.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*98.70*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	638.63	15.48
		For 1" Pilaster, Add	*75.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*129.16*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	792.49	16.77
		For 1" Pilaster, Add	*94.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*161.06*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	830.97	18.06
		For 1" Pilaster, Add	*99.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*168.72*	
10 21 13 19-0201		**83" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	322.31	7.74
		For 1" Pilaster, Add	*38.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*65.21*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	377.88	9.03
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*76.47*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	380.46	10.32
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*76.59*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	442.01	11.61
		For 1" Pilaster, Add	*52.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*89.11*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	500.14	12.90
		For 1" Pilaster, Add	*59.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*100.90*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	558.72	14.19
		For 1" Pilaster, Add	*66.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*112.79*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	738.63	15.48
		For 1" Pilaster, Add	*88.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*150.16*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	886.10	16.77
		For 1" Pilaster, Add	*106.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*180.71*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	930.55	18.06
		For 1" Pilaster, Add	*111.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*189.64*	
10 21 13 19-0211		**96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	358.24	10.32
		For 1" Pilaster, Add	*42.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*71.93*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	425.77	11.61
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*85.70*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	428.35	12.90
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*85.83*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	496.74	14.19
		For 1" Pilaster, Add	*58.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*99.77*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	563.42	15.48
		For 1" Pilaster, Add	*66.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*113.36*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	630.96	16.77
		For 1" Pilaster, Add	*74.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*127.14*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	843.79	18.06
		For 1" Pilaster, Add	*100.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*171.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	984.83	19.35
		For 1" Pilaster, Add	*118.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*200.62*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	1,035.27	20.64
		For 1" Pilaster, Add	*124.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*210.80*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,527.38	58.05
		For >10, Deduct	*-241.13*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,138.85	63.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,524.98	65.79
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,778.59	70.96
		For >10, Deduct	*-263.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,415.21	76.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,820.54	78.69
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,825.00	83.85
		For >10, Deduct	*-265.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,456.95	89.01
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,843.08	91.60
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,727.80	96.75
		For >10, Deduct	*-253.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,338.82	101.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,724.96	104.50
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	858.04	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	979.01	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,195.72	41.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0244		**Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	515.57	30.92
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	606.87	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	747.12	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	514.82	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	669.24	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	797.13	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	898.18	33.49
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,019.97	36.07
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,240.98	38.65
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0256		**Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257		**Solid Color Reinforced Composite, Toilet Partition Doors** *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	707.94	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	733.78	10.32
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	802.68	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	870.07	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	939.29	11.61
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0263		**Solid Color Reinforced Composite, Toilet Partition Panels** *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	174.20	15.48
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	248.34	16.77
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	358.29	18.06
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	469.46	19.35
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	527.40	20.64
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	588.53	21.93
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	696.63	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	808.12	24.51
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	863.34	25.80
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	888.31	26.32
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	904.21	27.10
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,052.29	28.38
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,290.36	29.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	324.67	7.74
		For 1" Pilaster, Add	*38.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	373.19	9.03
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	375.77	10.32
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	436.75	11.61
		For 1" Pilaster, Add	*51.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	491.97	12.90
		For 1" Pilaster, Add	*58.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	547.20	14.19
		For 1" Pilaster, Add	*64.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	711.55	15.48
		For 1" Pilaster, Add	*85.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	883.57	16.77
		For 1" Pilaster, Add	*106.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	926.35	18.06
		For 1" Pilaster, Add	*111.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	359.13	7.74
		For 1" Pilaster, Add	*42.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	421.06	9.03
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	423.64	10.32
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	492.27	11.61
		For 1" Pilaster, Add	*58.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	557.07	12.90
		For 1" Pilaster, Add	*66.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	622.36	14.19
		For 1" Pilaster, Add	*74.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	823.55	15.48
		For 1" Pilaster, Add	*99.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	988.40	16.77
		For 1" Pilaster, Add	*119.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,037.89	18.06
		For 1" Pilaster, Add	*125.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	398.75	10.32
		For 1" Pilaster, Add	*47.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	474.08	11.61
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	476.66	12.90
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	552.95	14.19
		For 1" Pilaster, Add	*65.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	627.32	15.48
		For 1" Pilaster, Add	*74.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	702.65	16.77
		For 1" Pilaster, Add	*83.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	940.71	18.06
		For 1" Pilaster, Add	*113.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,098.36	19.35
		For 1" Pilaster, Add	*132.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,154.55	20.64
		For 1" Pilaster, Add	*139.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,107.39	58.05
		For >10, Deduct	*-499.13*	
		For Solid Color Material (No Particulate), Deduct	*-1,148.00*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,191.04	63.21
		For Solid Color Material (No Particulate), Deduct	*-1,394.86*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,880.05	65.79
		For Solid Color Material (No Particulate), Deduct	*-1,552.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,269.15	70.96
		For >10, Deduct	*-512.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,179.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,979.80	76.11
		For Solid Color Material (No Particulate), Deduct	*-1,570.34*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,745.40	78.69
		For Solid Color Material (No Particulate), Deduct	*-1,745.24*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,888.00	83.85
		For >10, Deduct	*-572.03*	
		For Solid Color Material (No Particulate), Deduct	*-1,315.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,986.83	89.01
		For Solid Color Material (No Particulate), Deduct	*-1,796.02*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,751.81	91.60
		For Solid Color Material (No Particulate), Deduct	*-1,970.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,906.45	96.75
		For >10, Deduct	*-571.30*	
		For Solid Color Material (No Particulate), Deduct	*-1,313.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,617.71	101.92
		For Solid Color Material (No Particulate), Deduct	*-1,705.19*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,382.71	104.50
		For Solid Color Material (No Particulate), Deduct	*-1,879.96*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0325		**Solid Polyester (Corian) Urinal Screens** *(10 21 13 19-0307)*		
10 21 13 19-0326		**Floor Anchored, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,341.75	36.07
		For Solid Color Material (No Particulate), Deduct	*-292.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,802.80	38.65
		For Solid Color Material (No Particulate), Deduct	*-396.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,263.88	41.23
		For Solid Color Material (No Particulate), Deduct	*-501.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0330		**Wall Hung, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	644.97	30.92
		For Solid Color Material (No Particulate), Deduct	*-134.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	844.48	33.49
		For Solid Color Material (No Particulate), Deduct	*-178.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,044.03	36.07
		For Solid Color Material (No Particulate), Deduct	*-223.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0334		**Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	866.86	33.49
		For Solid Color Material (No Particulate), Deduct	*-183.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,099.99	36.07
		For Solid Color Material (No Particulate), Deduct	*-236.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,333.08	38.65
		For Solid Color Material (No Particulate), Deduct	*-288.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0338		**Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,386.27	33.49
		For Solid Color Material (No Particulate), Deduct	*-303.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,847.35	36.07
		For Solid Color Material (No Particulate), Deduct	*-408.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,308.41	38.65
		For Solid Color Material (No Particulate), Deduct	*-513.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0342		**Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0307)*		
		See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343		**Solid Polyester (Corian), Toilet Partition Doors** *(10 21 13 19-0342)*		
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,122.42	10.32
		For Solid Color Material (No Particulate), Deduct	*-253.41*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,201.16	10.32
		For Solid Color Material (No Particulate), Deduct	*-271.52*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,370.29	11.61
		For Solid Color Material (No Particulate), Deduct	*-309.83*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,532.79	11.61
		For Solid Color Material (No Particulate), Deduct	*-347.20*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,603.50	11.61
		For Solid Color Material (No Particulate), Deduct	*-363.46*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0349		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	258.90	15.48
		For Solid Color Material (No Particulate), Deduct	*-52.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	489.46	16.77
		For Solid Color Material (No Particulate), Deduct	*-104.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	719.98	18.06
		For Solid Color Material (No Particulate), Deduct	*-157.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	950.53	19.35
		For Solid Color Material (No Particulate), Deduct	*-209.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,181.06	20.64
		For Solid Color Material (No Particulate), Deduct	*-262.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,411.58	21.93
		For Solid Color Material (No Particulate), Deduct	*-314.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,642.14	23.22
		For Solid Color Material (No Particulate), Deduct	*-367.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,872.67	24.51
		For Solid Color Material (No Particulate), Deduct	*-419.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,141.19	25.80
		For Solid Color Material (No Particulate), Deduct	*-480.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,256.23	26.32
		For Solid Color Material (No Particulate), Deduct	*-506.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,333.74	27.10
		For Solid Color Material (No Particulate), Deduct	*-524.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,716.24	28.38
		For Solid Color Material (No Particulate), Deduct	*-611.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,022.77	29.67
		For Solid Color Material (No Particulate), Deduct	*-681.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0363		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	373.24	7.74
		For Solid Color Material (No Particulate), Deduct	*-82.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	465.26	9.03
		For Solid Color Material (No Particulate), Deduct	*-102.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	557.28	10.32
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	738.77	11.61
		For Solid Color Material (No Particulate), Deduct	*-164.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	920.23	12.90
		For Solid Color Material (No Particulate), Deduct	*-205.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,101.69	14.19
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,640.92	15.48
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,001.29	16.77
		For Solid Color Material (No Particulate), Deduct	*-452.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,182.75	18.06
		For Solid Color Material (No Particulate), Deduct	*-493.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0373		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	422.93	7.74
		For Solid Color Material (No Particulate), Deduct	*-93.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	527.40	9.03
		For Solid Color Material (No Particulate), Deduct	*-117.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	620.18	10.32
		For Solid Color Material (No Particulate), Deduct	*-137.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	853.68	11.61
		For Solid Color Material (No Particulate), Deduct	*-191.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,044.45	12.90
		For Solid Color Material (No Particulate), Deduct	*-234.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,250.75	14.19
		For Solid Color Material (No Particulate), Deduct	*-281.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,864.53	15.48
		For Solid Color Material (No Particulate), Deduct	*-421.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,274.59	16.77
		For Solid Color Material (No Particulate), Deduct	*-515.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,480.89	18.06
		For Solid Color Material (No Particulate), Deduct	*-562.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	557.28	10.32
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	694.04	11.61
		For Solid Color Material (No Particulate), Deduct	*-154.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	830.79	12.90
		For Solid Color Material (No Particulate), Deduct	*-185.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,101.69	14.19
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,372.60	15.48
		For Solid Color Material (No Particulate), Deduct	*-308.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,643.50	16.77
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,451.07	18.06
		For Solid Color Material (No Particulate), Deduct	*-555.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,990.32	19.35
		For Solid Color Material (No Particulate), Deduct	*-678.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,261.22	20.64
		For Solid Color Material (No Particulate), Deduct	*-740.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	11.65	1.03
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	23.05	1.03
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	101.74	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	60.33	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	101.57	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	76.22	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	196.53	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	176.75	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	115.34	
10 21 16		**Shower and Dressing Compartments** *(10 21)*		
10 21 16 17		**Phenolic-Core Shower and Dressing Compartments** *(10 21 16)*		
10 21 16 17-0001		Shower Dividers *(10 21 16 17)*		
10 21 16 17-0002		Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)* Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,023.99	64.50
		For 66" High Panels, Add	*134.25*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,332.65	69.67
		For 66" High Panels, Add	*179.00*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,774.32	77.40
		For 66" High Panels, Add	*242.93*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,098.46	90.30
		For 66" High Panels, Add	*287.68*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,422.58	103.21
		For 66" High Panels, Add	*332.43*	
10 21 16 17-0008		Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)* Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.		
10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,641.77	113.37
		For 66" High Panels, Add	*384.93*	
		For 6" Wide Head Rail, Add	*74.72*	
		For 8" Wide Head Rail, Add	*101.14*	
		For 10" Wide Head Rail, Add	*125.29*	
		For 12" Wide Head Rail, Add	*150.57*	
		For 18" Wide, 1/2" Thick Bench, Add	*107.67*	
		For 24" Wide, 1/2" Thick Bench, Add	*147.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,325.60	123.80
		For 66" High Panels, Add	*486.46*	
		For 6" Wide Head Rail, Add	*94.82*	
		For 8" Wide Head Rail, Add	*128.07*	
		For 10" Wide Head Rail, Add	*158.85*	
		For 12" Wide Head Rail, Add	*190.87*	
		For 18" Wide, 1/2" Thick Bench, Add	*109.76*	
		For 24" Wide, 1/2" Thick Bench, Add	*149.76*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,288.34	131.63
		For 66" High Panels, Add	*630.09*	
		For 6" Wide Head Rail, Add	*123.38*	
		For 8" Wide Head Rail, Add	*166.27*	
		For 10" Wide Head Rail, Add	*206.52*	
		For 12" Wide Head Rail, Add	*248.09*	
		For 18" Wide, 1/2" Thick Bench, Add	*111.33*	
		For 24" Wide, 1/2" Thick Bench, Add	*151.33*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,556.41	147.27
		For 66" High Panels, Add	*668.74*	
		For 6" Wide Head Rail, Add	*130.80*	
		For 8" Wide Head Rail, Add	*176.37*	
		For 10" Wide Head Rail, Add	*218.98*	
		For 12" Wide Head Rail, Add	*263.08*	
		For 18" Wide, 1/2" Thick Bench, Add	*114.45*	
		For 24" Wide, 1/2" Thick Bench, Add	*154.45*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,244.90	160.07
		For 66" High Panels, Add	*770.73*	
		For 6" Wide Head Rail, Add	*150.94*	
		For 8" Wide Head Rail, Add	*203.39*	
		For 10" Wide Head Rail, Add	*252.64*	
		For 12" Wide Head Rail, Add	*303.49*	
		For 18" Wide, 1/2" Thick Bench, Add	*117.01*	
		For 24" Wide, 1/2" Thick Bench, Add	*157.01*	

10 21 23 Cubicle Curtains and Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops *(10 21 23 13)*

10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.19	0.44
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.55	0.44
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.26	0.44
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	25.64	0.44
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	27.02	0.44
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	29.67	0.44

10 21 23 16 Cubicle Track and Hardware *(10 21 23)*

10 21 23 16-0001 Hospital Cubicle Curtain Channel Track *(10 21 23 16)*

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.

10 21 23 16-0002	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	19.41	2.35
10 21 23 16-0003	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	32.87	2.57

10 21 23 16-0004 Hospital IV Tracks *(10 21 23 16)*

10 21 23 16-0005	LF	Oval Hospital Partition IV Track	19.03	1.48
10 21 23 16-0006	EA	Hospital Partition IV Trolley	107.51	6.17
10 21 23 16-0007	EA	5 Hook Tree, Hospital Partition IV Pendant	475.04	6.17

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.38	0.64
		For 5' Wide Panels, Add	*0.60*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.65	0.78
		For 5' Wide Panels, Add	*0.66*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	23.02	0.90
		For 5' Wide Panels, Add	*1.06*	

10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.61	0.78
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.89	0.90
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.41	1.03

10 22 13 00-0009 Sliding Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,064.74	135.46
		For 8 Gauge, Add	*132.62*	
		For 6 Gauge, Add	*265.24*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,103.90	149.64
		For 8 Gauge, Add	*135.66*	
		For 6 Gauge, Add	*271.31*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,229.93	154.81
		For 8 Gauge, Add	*153.53*	
		For 6 Gauge, Add	*307.06*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,344.53	167.71
		For 8 Gauge, Add	*168.14*	
		For 6 Gauge, Add	*336.28*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,378.63	178.03
		For 8 Gauge, Add	*171.19*	
		For 6 Gauge, Add	*342.38*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,536.51	188.35
		For 8 Gauge, Add	*192.81*	
		For 6 Gauge, Add	*385.62*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,651.00	202.54
		For 8 Gauge, Add	*207.14*	
		For 6 Gauge, Add	*414.29*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,819.76	211.57
		For 8 Gauge, Add	*230.65*	
		For 6 Gauge, Add	*461.30*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,827.39	216.72
		For 8 Gauge, Add	*230.76*	
		For 6 Gauge, Add	*461.53*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,041.55	229.63
		For 8 Gauge, Add	*260.31*	
		For 6 Gauge, Add	*520.62*	

10 22 13 00-0020 Swing Doors *(10 22 13)*

10 22 13 00-0021 Single Swing Door *(10 22 13 00-0020)*

10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	745.18	79.99
		For 8 Gauge, Add	*94.58*	
		For 6 Gauge, Add	*189.15*	
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	807.61	90.30
		For 8 Gauge, Add	*103.08*	
		For 6 Gauge, Add	*206.16*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	869.06	95.46
		For 8 Gauge, Add	*111.27*	
		For 6 Gauge, Add	*222.53*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	833.40	103.21
		For 8 Gauge, Add	*104.37*	
		For 6 Gauge, Add	*208.74*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	897.54	108.36
		For 8 Gauge, Add	*112.96*	
		For 6 Gauge, Add	*225.92*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	937.05	113.53
		For 8 Gauge, Add	*117.85*	
		For 6 Gauge, Add	*235.71*	

10 22 13 00-0028 Double Swing Doors *(10 22 13 00-0020)*

10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,197.17	129.00
		For 8 Gauge, Add	*153.77*	
		For 6 Gauge, Add	*307.55*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,303.16	136.75
		For 8 Gauge, Add	*168.13*	
		For 6 Gauge, Add	*336.25*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,409.13	144.49
		For 8 Gauge, Add	*182.47*	
		For 6 Gauge, Add	*364.95*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,513.30	154.81
		For 8 Gauge, Add	*196.03*	
		For 6 Gauge, Add	*392.07*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,674.75	162.54
		For 8 Gauge, Add	*218.70*	
		For 6 Gauge, Add	*437.41*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,834.07	170.29
		For 8 Gauge, Add	*241.05*	
		For 6 Gauge, Add	*482.11*	
10 22 13 00-0035		Dutch Doors *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,090.17	79.99
		For 8 Gauge, Add	*146.33*	
		For 6 Gauge, Add	*292.65*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,158.76	90.30
		For 8 Gauge, Add	*155.75*	
		For 6 Gauge, Add	*311.51*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,186.09	95.46
		For 8 Gauge, Add	*158.82*	
		For 6 Gauge, Add	*317.64*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,228.87	108.36
		For 8 Gauge, Add	*162.66*	
		For 6 Gauge, Add	*325.32*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,183.39	103.21
		For 8 Gauge, Add	*156.87*	
		For 6 Gauge, Add	*313.74*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,258.50	108.36
		For 8 Gauge, Add	*167.10*	
		For 6 Gauge, Add	*334.21*	
10 22 19		**Demountable Partitions** *(10 22)*		
10 22 19 13		**Demountable Metal Partitions** *(10 22 19)*		
10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	112.90	8.24
		For >9, Add 14.11		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	99.96	6.56
		For >9, Add 12.50		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	87.04	4.93
		For >9, Add 10.88		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	335.55	6.56
		For >9, Add 41.94		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	508.10	7.05
		For >9, Add 63.51		
10 22 19 43		**Demountable Composite Partitions** *(10 22 19)*		
10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	180.34	8.24
		For >9, Add 22.54		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	227.64	8.98
		For >9, Add 28.46		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	38.57	1.23
		For Acoustical Partitions, Add	*3.61*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	47.51	2.07
		For Acoustical Partitions, Add	*4.34*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	41.14	1.28
		For Acoustical Partitions, Add	*3.86*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	58.97	1.77
		For Acoustical Partitions, Add	*5.55*	
10 22 19 53		**Demountable Gypsum Partitions** *(10 22 19)*		
10 22 19 53-0001		Demountable Gypsum Partitions *(10 22 19 53)*		
10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	165.35	8.24
		For >9, Add 20.67		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	319.59	8.98
		For >9, Add 39.95		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	342.23	9.87
		For >9, Add 42.78		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	144.18	8.24
		For >9, Add 18.02		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	246.91	8.98
		For >9, Add 30.86		
10 22 23		**Portable Partitions, Screens, and Panels** *(10 22)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	236.90	3.95
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	252.24	4.39
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	299.80	5.27
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	175.66	2.27
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	186.05	2.62
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	208.80	3.16
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	178.43	2.42
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	317.32	4.39
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	348.01	5.27
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	184.36	3.01
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	209.54	3.50
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	169.18	2.62
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	189.51	3.16
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	281.17	4.39
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	316.67	5.27
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	285.99	4.39
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	348.01	5.27
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	222.21	2.62
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	249.78	3.16
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	235.08	2.42
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	280.52	2.86
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	133.74	3.01
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	157.71	3.50
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	142.51	3.16
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	103.70	2.42
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	170.23	3.16
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	194.61	3.30
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	155.87	3.20

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	711.28	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	674.97	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	529.71	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	614.44	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,213.64	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	234.26	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	325.37	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	349.58	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	191.90	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,455.74	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	191.90	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,092.59	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	11.95	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	335.47	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	87.85	2.44
		For <135, Add	*17.57*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	89.00	2.52
		For <135, Add	*17.80*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	93.39	2.61
		For <135, Add	*18.68*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	99.45	2.69
		For <135, Add	*19.89*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	101.02	2.77
		For <135, Add	*20.20*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.02	2.85
		For <135, Add	*20.40*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.99	2.93
		For <135, Add	*20.60*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	103.94	3.09
		For <135, Add	*20.79*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	111.03	3.09
		For <135, Add	*22.21*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	118.13	3.09
		For <135, Add	*23.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43		**Sliding Partitions** *(10 22)*		
10 22 43 00-0001		Operable Wall *(10 22 43)*		
		Note: Includes top support track, assembled panel and frames.		
10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	224.12	11.53
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-12.29*	
		For 49 STC, Add	*15.59*	
		For 52 STC, Add	*23.63*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	213.04	9.29
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-12.02*	
		For 49 STC, Add	*15.26*	
		For 52 STC, Add	*23.12*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	204.37	7.71
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.77*	
		For 49 STC, Add	*14.94*	
		For 52 STC, Add	*22.63*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	196.68	8.11
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.19*	
		For 49 STC, Add	*14.20*	
		For 52 STC, Add	*21.51*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	187.28	6.58
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.87*	
		For 49 STC, Add	*13.80*	
		For 52 STC, Add	*20.91*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	181.12	5.93
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.61*	
		For 49 STC, Add	*13.46*	
		For 52 STC, Add	*20.40*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	177.33	6.39
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.27*	
		For 49 STC, Add	*13.04*	
		For 52 STC, Add	*19.75*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	169.51	5.47
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.95*	
		For 49 STC, Add	*12.63*	
		For 52 STC, Add	*19.13*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	163.89	4.88
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.69*	
		For 49 STC, Add	*12.30*	
		For 52 STC, Add	*18.64*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	180.33	7.71
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-10.20*	
		For 49 STC, Add	*12.94*	
		For 52 STC, Add	*19.61*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	170.47	5.86
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.92*	
		For 49 STC, Add	*12.60*	
		For 52 STC, Add	*19.09*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	164.18	4.94
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.70*	
		For 49 STC, Add	*12.31*	
		For 52 STC, Add	*18.65*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	4.79	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.27*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	5.33	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.29*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	8.33	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.44*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	12.08	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.63*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	11.41	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.60*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	9.97	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.04*	
		For Recycled Vinyl Retainer, Deduct	*-1.22*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	11.64	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.13*	
		For Recycled Vinyl Retainer, Deduct	*-1.56*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	13.30	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.21*	
		For Recycled Vinyl Retainer, Deduct	*-1.89*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	16.42	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.37*	
		For Recycled Vinyl Retainer, Deduct	*-2.51*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	23.70	3.09
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.80*	
		For >200, Deduct	*-3.25*	
		For Recycled Vinyl Retainer, Deduct	*-3.71*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	14.77	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.28*	
		For Up To 2 HR Fire Rated, Add	*7.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	18.72	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.48*	
		For Up To 2 HR Fire Rated, Add	*10.40*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	17.02	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.40*	
		For Up To 2 HR Fire Rated, Add	*9.21*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	20.41	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.56*	
		For Up To 2 HR Fire Rated, Add	*11.59*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	46.17	3.09
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.80*	
		For >200, Deduct	*-4.37*	
		For Up To 2 HR Fire Rated, Add	*28.71*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*

10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	7.72	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.41*	
		For Bolting To Concrete Or Masonry, Add	*1.54*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	10.69	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.56*	
		For Bolting To Concrete Or Masonry, Add	*1.99*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	13.10	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.68*	
		For Bolting To Concrete Or Masonry, Add	*2.35*	

10 26 13 00-0036 Polycarbonate Corner Guards *(10 26 13)*

10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*

10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*

10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	4.12	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.23*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	5.58	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.31*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	7.28	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.39*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	8.30	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.44*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	7.93	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.42*	

10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	8.30	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.44*	

10 26 13 00-0046 Aluminum Corner Guards *(10 26 13)*

10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*

10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*

10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	7.08	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.38*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	9.05	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.48*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	10.26	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.54*	

10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*

10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	7.08	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.38*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	9.05	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.48*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	10.26	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.54*	

10 26 13 00-0056 Steel Corner Guards *(10 26 13)*

10 26 13 00-0057 Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*

10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*

10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*

10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	9.46	1.86
		For Galvanizing, Add	*2.23*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 200, Deduct	*-1.08*	
		For >200, Deduct	*-1.71*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.65	2.01
		For Galvanizing, Add	*3.26*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 200, Deduct	*-1.17*	
		For >200, Deduct	*-1.97*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.54	2.08
		For Galvanizing, Add	*3.52*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 200, Deduct	*-1.22*	
		For >200, Deduct	*-2.07*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.80	2.17
		For Galvanizing, Add	*3.57*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-2.13*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.98	2.24
		For Galvanizing, Add	*4.98*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 200, Deduct	*-1.31*	
		For >200, Deduct	*-2.40*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	22.18	2.32
		For Galvanizing, Add	*6.41*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-2.65*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	39.34	3.09
		For Galvanizing, Add	*11.97*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.80*	
		For >200, Deduct	*-4.03*	

10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	8.20	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.44*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	9.93	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.52*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	14.44	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.75*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	14.44	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.75*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	14.44	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.75*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	14.44	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.75*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	17.81	1.86
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 200, Deduct	*-1.08*	
		For >200, Deduct	*-2.13*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	31.25	2.01
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 200, Deduct	*-1.17*	
		For >200, Deduct	*-2.90*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	44.80	2.08
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 200, Deduct	*-1.22*	
		For >200, Deduct	*-3.63*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	41.50	2.17
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-3.52*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	60.63	2.24
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 200, Deduct	*-1.31*	
		For >200, Deduct	*-4.53*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	55.61	2.32
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 200, Deduct	*-1.35*	
		For >200, Deduct	*-4.32*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	47.13	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-3.38*	
		For Bolting To Concrete Or Masonry, Add	*7.46*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	19.69	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-2.01*	
		For Bolting To Concrete Or Masonry, Add	*3.34*	

10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*

10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*

10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*

10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	16.94	1.54
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 200, Deduct	*-0.90*	
		For >200, Deduct	*-1.88*	
		For Bolting To Concrete Or Masonry, Add	*2.93*	

10 26 16 Bumper Guards *(10 26)*

10 26 16 13 Bumper Rails *(10 26 16)*

10 26 16 13-0001 Crash Rails *(10 26 16 13)*
Note: Includes end caps.

10 26 16 13-0002 Polycarbonate Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	7.76	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.04*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	9.05	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.10*	

10 26 16 13-0005 Aluminum Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	31.48	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-3.23*	

10 26 16 13-0007 Stainless Steel Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	58.83	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-4.59*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	45.15	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-3.91*	

10 26 16 13-0010 Wall Guards *(10 26 16 13)*

10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)*
Note: Includes end caps.

10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	8.75	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-1.88*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	10.95	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.20*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	12.22	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.26*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	12.91	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.30*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	16.01	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-2.55*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	16.12	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	16.73	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-2.59*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	20.83	2.32
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-2.90*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	13.11	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-2.10*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	20.54	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-2.68*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	32.37	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-3.27*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	47.27	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-4.02*	

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	34.67	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-3.49*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	44.71	2.32
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.62*	
		For >200, Deduct	*-4.09*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	60.19	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-4.66*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	64.30	2.06
		For >50 To 100, Deduct	*-1.03*	
		For >100 To 200, Deduct	*-1.45*	
		For >200, Deduct	*-4.87*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	27.51	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-2.82*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	49.85	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-4.24*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	56.34	2.19
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 200, Deduct	*-1.53*	
		For >200, Deduct	*-4.57*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	10.97	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-1.99*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	11.00	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-1.99*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	17.30	1.81
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 200, Deduct	*-1.26*	
		For >200, Deduct	*-2.31*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0001		Protective Corridor Handrails *(10 26 16 16)*		
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	23.80	3.86
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.71*	
		For >200, Deduct	*-4.28*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	19.21	3.86
		For >25 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-4.05*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	37.57	3.86
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.71*	
		For >200, Deduct	*-4.97*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	28.39	3.86
		For >25 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-4.51*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	39.86	3.86
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.71*	
		For >200, Deduct	*-5.09*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	44.45	3.86
		For >25 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.31*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	55.93	3.86
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.71*	
		For >200, Deduct	*-5.89*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	62.81	3.86
		For >25 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-6.23*	
10 26 16 16-0011		Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*		
10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	78.88	3.86
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.71*	
		For >200, Deduct	*-7.04*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	81.17	3.86
		For >25 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-7.15*	
10 26 16 16-0014		Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*		
		Note: Includes end caps.		
10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	24.15	3.13
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 200, Deduct	*-2.19*	
		For >200, Deduct	*-3.71*	
		For Maple, Add	*0.54*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	29.67	3.33
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-4.15*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	20.32	3.13
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 200, Deduct	*-2.19*	
		For >200, Deduct	*-3.52*	
		For Maple, Add	*6.05*	
		For Oak, Add	*6.75*	
10 26 23		**Protective Wall Covering** *(10 26)*		
10 26 23 13		**Impact Resistant Wall Protection** *(10 26 23)*		
10 26 23 13-0001		Impact Resistant Wall Protection *(10 26 23 13)*		
		Note: Includes standard trim.		
10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	5.29	1.29
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	5.62	1.29
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	7.54	1.29
10 26 23 13-0005		Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*		
		Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006		"L" Design *(10 26 23 13-0005)*		
10 26 23 13-0007		L-Shield *(10 26 23 13-0006)*		
10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	14.18	1.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	15.49	1.81
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	20.49	2.32
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	29.16	2.83
10 26 23 13-0012		**"Combo" Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	12.23	2.58
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	13.83	3.10
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	15.85	3.61
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	17.30	4.13
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	19.33	4.64
10 26 23 13-0018		**Snap-2 Pipe Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	8.84	2.58
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	10.86	3.10
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	12.60	3.61
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	14.90	4.13
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	17.35	4.64
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	6.97	1.29
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	10.26	1.81
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	15.53	2.32
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	19.69	2.83
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	25.74	1.54
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	31.91	1.81
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	38.08	2.07
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	164.74	2.58
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	4.23	0.78
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	5.98	1.29
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	7.57	1.81
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	7.75	2.32
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	6.68	1.29
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	9.69	1.81
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	14.97	2.32
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	81.60	2.83
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	8.47	0.78
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	10.50	1.29
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	14.50	1.81
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	84.71	2.32
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	59.34	2.58
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	63.06	3.10
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	75.79	3.87
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	138.74	4.64
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	11.58	0.78
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	17.86	1.29
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe	21.72	1.81
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	27.70	1.81
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	9.55	2.58
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	11.28	3.10
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	12.88	3.61
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	16.88	4.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	19.19	4.64
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe	8.56	2.58
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe	10.58	3.10
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe	13.30	3.61
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe	14.62	4.13
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe	17.21	4.64
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	8.95	1.29
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	10.68	1.81
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	12.70	2.32
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	31.40	1.54
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	37.56	1.81
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	39.50	2.07
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	3.66	0.78
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	4.99	1.29
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	6.30	1.81
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	8.52	1.29
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	10.54	1.81
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	12.56	2.32
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	9.18	0.78
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	11.63	1.29
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	13.94	1.81
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	76.46	2.58
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	84.43	3.10
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	99.27	3.87
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	74.91	2.58
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	81.60	3.10
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	96.59	3.87
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	93.05	3.87
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	102.52	4.64
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	119.01	5.68
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	124.79	4.39
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	132.64	5.42
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	173.72	5.16
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	193.48	6.19
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	234.48	7.74
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	242.24	5.68
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	264.34	6.97
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	28.33	1.29
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	31.06	1.81
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	38.45	2.32
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	31.82	1.54
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	39.22	2.07
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	172.81	2.58
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	103.34	2.58
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	111.16	3.10
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	129.69	3.87
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	164.13	2.83
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	113.77	2.83
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	171.61	3.61
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	130.73	3.61
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	206.88	4.13
10 26 23 13-0130		Tee Transition *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	115.83	3.87
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	133.51	4.64
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	154.52	5.68
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	121.54	4.39
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	196.56	4.90
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	133.91	5.42
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	185.50	6.45
10 26 23 13-0138		Fittings (L Or U) *(10 26 23 13-0005)*		
10 26 23 13-0139		Hugger Hangers For Steel Pipe *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	1/2" Diameter Steel Pipe, Hugger Hanger	7.10	2.07
10 26 23 13-0141	EA	3/4" Diameter Steel Pipe, Hugger Hanger	8.84	2.58
10 26 23 13-0142	EA	1" Diameter Steel Pipe, Hugger Hanger	10.15	3.10
10 26 23 13-0143	EA	1-1/4" Diameter Steel Pipe, Hugger Hanger	11.61	3.61
10 26 23 13-0144	EA	1-1/2" Diameter Steel Pipe, Hugger Hanger	12.92	4.13
10 26 23 13-0145	EA	2" Diameter Steel Pipe, Hugger Hanger	14.52	4.13
10 26 23 13-0146	EA	2-1/2" Diameter Steel Pipe, Hugger Hanger	15.84	5.16
10 26 23 13-0147	EA	3" Diameter Steel Pipe, Hugger Hanger	22.10	5.68
10 26 23 13-0148		Hugger Hangers For Copper Pipe *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Diameter Copper Pipe, Hugger Hanger	7.24	2.07
10 26 23 13-0150	EA	3/4" Diameter Copper Pipe, Hugger Hanger	8.98	2.58
10 26 23 13-0151	EA	1" Diameter Copper Pipe, Hugger Hanger	10.29	3.10
10 26 23 13-0152	EA	1-1/4" Diameter Copper Pipe, Hugger Hanger	11.75	3.61
10 26 23 13-0153	EA	1-1/2" Diameter Copper Pipe, Hugger Hanger	13.06	4.13
10 26 23 13-0154	EA	2" Diameter Copper Pipe, Hugger Hanger	14.81	4.64
10 26 23 13-0155	EA	2-1/2" Diameter Copper Pipe, Hugger Hanger	16.12	5.16
10 26 23 13-0156	EA	3" Diameter Copper Pipe, Hugger Hanger	22.53	5.68
10 26 23 13-0157		Shield Extension (L Or U) *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	14.56	0.78
10 26 23 13-0159		Interior Steel Soffit System *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	25.20	2.32
		For 22 Gauge Steel, Add	*2.06*	
		For 20 Gauge Steel, Add	*4.40*	
		For 18 Gauge Steel, Add	*8.64*	
		For 16 Gauge Steel, Add	*13.26*	
		For Stainless Steel, Add	*5.14*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	31.63	6.45
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	103.42	7.74
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	27.72	3.87
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	3.90	1.54
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	29.57	2.32
		For 22 Gauge Steel, Add	*1.87*	
		For 20 Gauge Steel, Add	*3.99*	
		For 18 Gauge Steel, Add	*7.73*	
		For 16 Gauge Steel, Add	*12.96*	
		For Stainless Steel, Add	*6.23*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	31.63	6.45
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	103.42	7.74
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	25.66	2.83
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	3.90	1.54
		For Stainless Steel, Add	*0.20*	

10 26 41 Bullet Resistant Panels *(10 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 41 00-0001		**Laminated Bullet Resistant Fiberglass Panel** *(10 26 41)* Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	19.22	0.73
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	27.54	0.78
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	31.40	0.83
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	33.35	0.89
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	36.23	0.94
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	39.11	0.99
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	69.06	1.21
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	99.63	1.88
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	119.38	2.25
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	142.81	2.46

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001		**Toilet Accessories** *(10 28 13 13)*		
10 28 13 13-0002		**Dispensers** *(10 28 13 13-0001)*		
10 28 13 13-0003		**Paper Towel Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0004		**Stainless Steel Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	94.43	11.59
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	103.41	11.59
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	104.75	11.59
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	107.33	11.59
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	178.32	11.59
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	187.13	11.59
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	217.08	11.59
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	243.93	5.15
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	395.19	11.59
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	482.91	11.59
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	514.70	11.59
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	274.84	11.59
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	146.15	6.45
10 28 13 13-0018		**Plastic Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	63.80	11.59
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	166.99	11.59
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	165.61	11.59
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	135.93	11.59
10 28 13 13-0023		**Aluminum Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	72.79	11.59
10 28 13 13-0025		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0026		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	63.47	11.59
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	74.63	11.59
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	50.42	11.59
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	65.75	11.59
10 28 13 13-0031		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	54.16	11.59
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	54.81	11.59
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	59.48	11.59
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	68.13	11.59
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	100.09	11.59
10 28 13 13-0037		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	41.17	11.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0039	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	92.92	11.59
10 28 13 13-0040	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	184.81	11.59
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	84.45	11.59
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	97.41	11.59
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	139.32	12.88
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	97.41	11.59
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	139.32	11.59
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	152.78	11.59
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	258.44	11.59
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	258.44	11.59
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	84.66	11.59
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	105.08	11.59
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	53.48	11.59
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	115.40	11.59
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	168.83	11.59
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	186.31	11.59
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	237.41	11.59
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	223.84	11.59
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	349.89	11.59
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	138.04	11.59
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	125.02	11.59
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	94.14	11.59

10 28 13 13-0061 Soap or Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0062	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	82.78	11.59
		For 34 Fluid Ounce (B-822), Add	*3.41*	
10 28 13 13-0063	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	92.77	11.59
		For 34 Fluid Ounce (B-822), Add	*3.41*	
10 28 13 13-0064	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	44.83	11.59
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	51.82	11.59
10 28 13 13-0066	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	62.09	11.59
10 28 13 13-0067	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	64.97	11.59
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	84.78	11.59
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	116.40	11.59
10 28 13 13-0070	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	215.10	11.59
10 28 13 13-0071	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	368.56	11.59
10 28 13 13-0072	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	212.21	11.59

10 28 13 13-0073 Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0074 Manual Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	49.42	11.59
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	50.84	11.59
10 28 13 13-0077	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	50.39	11.59

10 28 13 13-0078 Automatic Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0079	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	43.35	11.59
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	69.96	11.59
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	63.32	11.59
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	71.46	11.59
10 28 13 13-0083	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	89.08	11.59
10 28 13 13-0084	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	89.93	11.59

10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0086	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	663.02	3.86
10 28 13 13-0087	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	714.00	3.86
10 28 13 13-0088	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	742.49	3.86

10 28 13 13-0089 Facial Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0090	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	100.76	11.59
10 28 13 13-0091	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	52.90	11.59

10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*

10 28 13 13-0093	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	43.49	11.59
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	69.80	11.59
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	152.69	11.59
10 28 13 13-0096	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	154.19	11.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	346.92	11.59
10 28 13 13-0098		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	587.60	11.59
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	335.52	11.59
10 28 13 13-0101		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0102	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	733.92	11.59
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	549.49	11.59
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	744.07	11.59
10 28 13 13-0105	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	546.33	11.59
10 28 13 13-0106	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	475.00	11.59
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	558.92	11.59
10 28 13 13-0108		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0109	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	463.11	25.76
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	526.56	25.76
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	422.77	25.76
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	628.44	25.76
10 28 13 13-0113	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	648.07	25.76
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	757.59	25.76
10 28 13 13-0115	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	705.21	25.76
10 28 13 13-0116		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0117		**Wall Mounted Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0118	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	84.73	11.59
10 28 13 13-0119	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	164.67	11.59
10 28 13 13-0120	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	383.76	25.76
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	608.80	25.76
10 28 13 13-0122	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	465.32	25.76
10 28 13 13-0123		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	106.58	11.59
10 28 13 13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	168.33	11.59
10 28 13 13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	371.77	5.15
10 28 13 13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	572.19	5.15
10 28 13 13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	534.84	5.15
10 28 13 13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	513.60	5.15
10 28 13 13-0130		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0116)*		
10 28 13 13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	303.87	25.76
10 28 13 13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	537.88	25.76
10 28 13 13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	528.57	25.76
10 28 13 13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	805.04	25.76
10 28 13 13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,138.83	25.76
10 28 13 13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	950.01	25.76
10 28 13 13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	713.69	25.76
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,206.34	25.76
10 28 13 13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,101.31	28.35
10 28 13 13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	711.15	28.35
10 28 13 13-0141		**Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	71.36	12.88
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	181.17	12.88
10 28 13 13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	200.53	12.88
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	520.77	12.88
10 28 13 13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	257.78	12.88
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	481.16	12.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0148		**Grab Bars** *(10 28 13 13-0001)*		
10 28 13 13-0149		**1-1/4" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	82.74	10.31
		For Peened Grip, Add	*5.82*	
10 28 13 13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	99.28	10.31
		For Peened Grip, Add	*7.31*	
10 28 13 13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	100.95	10.31
		For Peened Grip, Add	*7.46*	
10 28 13 13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	101.73	10.31
		For Peened Grip, Add	*7.53*	
10 28 13 13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	101.94	10.31
		For Peened Grip, Add	*7.55*	
10 28 13 13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	105.94	10.31
		For Peened Grip, Add	*7.91*	
10 28 13 13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	112.25	10.31
		For Peened Grip, Add	*8.48*	
10 28 13 13-0157		**1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	181.42	10.31
		For Peened Grip, Add	*14.47*	
10 28 13 13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	185.74	10.31
		For Peened Grip, Add	*14.86*	
10 28 13 13-0160		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	97.90	10.31
		For Peened Grip, Add	*7.19*	
10 28 13 13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	99.28	10.31
		For Peened Grip, Add	*7.31*	
10 28 13 13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	101.94	10.31
		For Peened Grip, Add	*7.55*	
10 28 13 13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	104.61	10.31
		For Peened Grip, Add	*7.79*	
10 28 13 13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	107.94	10.31
		For Peened Grip, Add	*8.09*	
10 28 13 13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	110.94	10.31
		For Peened Grip, Add	*8.36*	
10 28 13 13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	118.25	10.31
		For Peened Grip, Add	*9.02*	
10 28 13 13-0168		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	163.42	10.31
		For Peened Grip, Add	*12.85*	
10 28 13 13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	177.76	10.31
		For Peened Grip, Add	*14.14*	
10 28 13 13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	150.78	10.31
		For Peened Grip, Add	*11.72*	
10 28 13 13-0172		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	538.70	10.31
		For Peened Grip, Add	*46.86*	
10 28 13 13-0174		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	108.74	11.59
10 28 13 13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	112.74	11.59
10 28 13 13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	131.05	11.59
10 28 13 13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	135.65	11.59
10 28 13 13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	128.40	11.59
10 28 13 13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	130.57	11.59
10 28 13 13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	141.37	11.59
10 28 13 13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	157.01	11.59
10 28 13 13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	190.07	11.59
10 28 13 13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	141.70	11.59
10 28 13 13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	145.03	11.59
10 28 13 13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	151.55	11.59
10 28 13 13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	162.77	11.59
10 28 13 13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	180.08	11.59
10 28 13 13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	227.17	11.59
10 28 13 13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	312.97	11.59
10 28 13 13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	122.04	11.59
10 28 13 13-0192		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	457.35	15.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	489.49	15.45
10 28 13 13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	389.96	15.45
10 28 13 13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	2,160.90	15.45
10 28 13 13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,586.27	15.45
10 28 13 13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	2,160.90	15.45
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,586.27	15.45

10 28 13 13-0200 Folding Shower Seats *(10 28 13 13-0001)*

10 28 13 13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	554.33	20.61
10 28 13 13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	764.06	20.61
10 28 13 13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,884.92	20.61
10 28 13 13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,850.98	

10 28 13 13-0205 Soap/Dish Holders *(10 28 13 13-0001)*

10 28 13 13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	37.60	11.59
10 28 13 13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	39.92	11.59
10 28 13 13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	89.94	11.59
10 28 13 13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	101.59	11.59

10 28 13 13-0210 Shower Curtains/Curtain Rods *(10 28 13 13-0001)*

10 28 13 13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.06	0.51
10 28 13 13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	43.94	5.15
10 28 13 13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	46.78	5.15
10 28 13 13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	70.13	11.59
10 28 13 13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	77.46	11.59
10 28 13 13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	86.44	11.59
10 28 13 13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	97.43	11.59
10 28 13 13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	57.48	11.59
10 28 13 13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	66.14	11.59
10 28 13 13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	71.13	11.59
10 28 13 13-0221	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	77.46	11.59
10 28 13 13-0222	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	61.14	11.59
10 28 13 13-0223	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	68.46	11.59
10 28 13 13-0224	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	77.11	11.59
10 28 13 13-0225	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	83.11	11.59

10 28 13 13-0226 Hand Dryers *(10 28 13 13-0001)*

10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	507.30	11.11
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	556.21	11.11
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	630.13	11.11
10 28 13 13-0230	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	945.64	11.11
10 28 13 13-0231	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	460.41	11.11
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	518.60	11.11
10 28 13 13-0233	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,105.03	11.11
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,195.71	11.11
10 28 13 13-0235	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,292.44	11.11
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	595.81	11.11
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,741.60	11.11
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,007.59	11.11
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,259.13	11.11
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,335.73	11.11
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,379.49	11.11
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,423.26	11.11
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,510.79	11.11
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	996.54	11.11
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,073.13	11.11
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,116.90	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,160.66	11.11
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,248.19	11.11
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	996.54	11.11
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	1,073.13	11.11
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	1,116.90	11.11
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	1,160.66	11.11
10 28 13 13-0253	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	1,248.19	11.11
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	690.18	11.11
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	766.77	11.11
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	810.53	11.11
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	854.30	11.11
10 28 13 13-0258	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	941.83	11.11
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	690.18	11.11
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	766.77	11.11
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	810.53	11.11
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	854.30	11.11
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	941.83	11.11
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	471.35	11.11
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	547.94	11.11
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	635.47	11.11
10 28 13 13-0267		**Hand Dryers (Excel XLERATOR®)** *(10 28 13 13-0001)* Note: With or without noise reduction nozzle options.		
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,027.13	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,491.41	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,224.28	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,558.19	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,324.45	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,658.37	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,324.45	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,658.37	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,224.28	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,558.19	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,090.71	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,424.62	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,027.13	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,491.41	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,224.28	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,558.19	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,324.45	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,658.37	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,324.45	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,658.37	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,224.28	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,558.19	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,090.71	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,424.62	11.11
		For ADA-Compliant Recess Kit, Add	*142.67*	

10 28 13 13-0292 Additional Accessories *(10 28 13 13-0001)*

10 28 13 13-0293 Hooks *(10 28 13 13-0292)*

10 28 13 13-0294	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	21.30	5.15
10 28 13 13-0295	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	28.62	5.15
10 28 13 13-0296	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	21.96	5.15
10 28 13 13-0297	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	25.23	5.15
10 28 13 13-0298	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	52.58	5.15
10 28 13 13-0299	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	45.92	5.15

10 28 13 13-0300 Clotheslines *(10 28 13 13-0292)*

10 28 13 13-0301	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	37.19	10.31

10 28 13 13-0302 Towel Bars *(10 28 13 13-0292)*

10 28 13 13-0303	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	44.32	11.59
10 28 13 13-0304	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	44.57	11.59
10 28 13 13-0305	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	54.33	11.59
10 28 13 13-0306	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	55.26	11.59
10 28 13 13-0307	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	98.09	11.59
10 28 13 13-0308	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	103.74	11.59
10 28 13 13-0309	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	102.42	11.59
10 28 13 13-0310	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	107.07	11.59
10 28 13 13-0311	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	115.41	11.59
10 28 13 13-0312	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	120.36	11.59
10 28 13 13-0313	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	79.12	11.59
10 28 13 13-0314	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	83.44	11.59

10 28 13 13-0315 Towel Bar With Shelf *(10 28 13 13-0292)*

10 28 13 13-0316	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	224.59	11.59

10 28 13 13-0317 Towel Pins *(10 28 13 13-0292)*

10 28 13 13-0318	EA	Stainless Steel Towel Pin (Bobrick B-677)	50.26	5.15

10 28 13 13-0319 Drinking Fountain Grab Bars *(10 28 13 13)*

10 28 13 13-0320 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars *(10 28 13 13-0319)*

Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.

10 28 13 13-0321	EA	1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	424.65	34.02
10 28 13 13-0322	EA	1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	486.37	34.02
10 28 13 13-0323	EA	1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	600.54	34.02
10 28 13 13-0324	EA	1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	767.17	34.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0325		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0319)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0326	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	452.42	34.02
10 28 13 13-0327	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	514.14	34.02
10 28 13 13-0328	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	634.49	34.02
10 28 13 13-0329	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	798.03	34.02
10 28 13 13-0330		**1-1/2" Diameter, Steel Drinking Fountain Grab Bars** *(10 28 13 13-0319)* Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0331	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	234.77	34.02
10 28 13 13-0332		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0333		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0332)*		
10 28 13 13-0334	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	85.04	12.88
10 28 13 13-0335	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	103.39	12.88
10 28 13 13-0336	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	109.75	12.88
		For Tempered Glass (B-1658), Add	*53.38*	
10 28 13 13-0337	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	122.78	12.88
		For Tempered Glass (B-1658), Add	*62.50*	
10 28 13 13-0338	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	139.51	12.88
10 28 13 13-0339	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	146.54	12.88
		For Tempered Glass (B-1658), Add	*79.14*	
10 28 13 13-0340	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	192.69	12.88
10 28 13 13-0341	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	230.49	12.88
10 28 13 13-0342	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	288.25	12.88
10 28 13 13-0343	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	375.98	12.88
10 28 13 13-0344	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	429.28	12.88
10 28 13 13-0345		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0332)*		
10 28 13 13-0346	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	201.38	12.88
10 28 13 13-0347	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	221.12	12.88
10 28 13 13-0348	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	234.16	12.88
10 28 13 13-0349	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	270.95	12.88
10 28 13 13-0350		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0332)*		
10 28 13 13-0351	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	173.59	12.88
10 28 13 13-0352	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	195.37	12.88
		For Tempered Glass (B-2908), Add	*106.84*	
10 28 13 13-0353	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	202.72	12.88
		For Tempered Glass (B-2908), Add	*111.69*	
10 28 13 13-0354	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	246.20	12.88
10 28 13 13-0355	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	247.87	12.88
		For Tempered Glass (B-2908), Add	*141.49*	
10 28 13 13-0356	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	348.54	12.88
10 28 13 13-0357	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	418.78	12.88
10 28 13 13-0358	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	484.34	12.88
10 28 13 13-0359	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	305.80	12.88
10 28 13 13-0360	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	383.96	12.88
10 28 13 13-0361	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	615.14	12.88
10 28 13 13-0362		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0332)*		
10 28 13 13-0363	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	181.21	12.88
10 28 13 13-0364	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	407.07	12.88
10 28 13 13-0365	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	429.16	12.88
10 28 13 13-0366	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	484.34	12.88
10 28 13 13-0367		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0332)*		
10 28 13 13-0368	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	200.72	12.88
10 28 13 13-0369	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	274.61	12.88
10 28 13 13-0370		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0332)*		
10 28 13 13-0371	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	291.35	12.88
10 28 13 13-0372	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	305.74	12.88
10 28 13 13-0373	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	380.99	12.88
10 28 13 13-0374	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	480.32	12.88
10 28 13 13-0375		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0376		**Metal Medicine Cabinets** *(10 28 13 13-0375)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0377	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	189.04	25.76
10 28 13 13-0378	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	219.82	25.76
10 28 13 13-0379	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	229.30	25.76
10 28 13 13-0380	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	590.49	25.76
10 28 13 13-0381	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	838.49	25.76
10 28 13 13-0382		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0383	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	45.92	5.15
10 28 13 13-0384	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	125.05	11.59
10 28 13 13-0385	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	119.07	11.59
10 28 13 13-0386	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	140.15	11.59
10 28 13 13-0387	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	161.01	11.59
10 28 13 13-0388	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	95.66	11.59
10 28 13 13-0389	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	329.45	11.59
10 28 13 13-0390	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	490.25	11.59
10 28 13 13-0391		**Removal And Reinstallation Of Bathroom Accessories** *(10 28 13 13)*		
10 28 13 13-0392	EA	Removal And Reinstallation Of Bathroom Accessory	16.11	
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		**Ligature Resistant, Stainless Steel Grab Bar** *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	186.92	10.31
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	196.48	10.31
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	202.84	10.31
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	227.24	10.31
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	485.99	10.31
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		**Residential Toilet Accessories** *(10 28 16 13)*		
10 28 16 13-0002		**Residential, Surface Mounted, Porcelain Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Surface Mounted Porcelain Wall Soap Holder	34.55	6.96
10 28 16 13-0004	EA	Surface Mounted Porcelain Bath/Shower Soap Dish	43.46	6.96
10 28 16 13-0005	EA	Surface Mounted Porcelain 1 Roll Toilet Paper Holder	42.73	6.96
10 28 16 13-0006	EA	Surface Mounted Porcelain Toothbrush/Tumbler Holder	34.55	6.96
10 28 16 13-0007	EA	Surface Mounted Porcelain Towel Bar Set With Plastic Bar	40.81	6.96
10 28 16 13-0008		**Residential Medicine Cabinets With Mirrors** *(10 28 16 13-0001)*		
10 28 16 13-0009	EA	16" x 20" Recessed Molded Medicine Cabinet With Mirror (Nutone 401ADJ)	120.55	18.04
10 28 16 13-0010	EA	16" x 22" Recessed Molded Medicine Cabinet With Mirror (Nutone 407ADJ)	119.36	18.04
10 28 16 13-0011	EA	16" x 26" Recessed Molded Medicine Cabinet With Mirror (Nutone 624)	170.73	18.04
10 28 16 13-0012	EA	16" x 26" Stainless Trim, Plastic Body Medicine Cabinet With Mirror (Nutone B772193)	158.82	18.04
10 28 16 13-0013	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 420BC)	162.37	18.04
10 28 16 13-0014	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 421BC)	176.03	18.04
10 28 16 13-0015	EA	18" x 24" Recessed Steel Medicine Cabinet With Mirror (Nutone 490)	294.14	18.04
10 28 16 13-0016	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 458)	197.08	18.04
10 28 16 13-0017	EA	20" x 30" Recessed Steel Medicine Cabinet With Mirror (Nutone 495)	345.09	18.04
10 28 16 13-0018	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 470FS)	231.75	18.04
10 28 16 13-0019	EA	16-1/8" x 22-1/8" Surface Steel Medicine Cabinet With Mirror (Nutone 472FS)	217.08	18.04
10 28 16 13-0020	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 473FS)	219.59	18.04
10 28 16 13-0021	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 478FS)	206.06	18.04
10 28 16 13-0022	EA	14" x 20" Surface Steel Medicine Cabinet With Mirror (Nutone 422SM)	160.14	18.04
10 28 16 13-0023	EA	16" x 22" Surface Steel Medicine Cabinet With Mirror (Nutone 452SM)	198.67	18.04
10 28 16 13-0024	EA	16-1/4" x 22-1/4" Molded Steel Medicine Cabinet With Mirror (Nutone 614)	156.30	18.04
10 28 16 13-0025		**Residential Shower Curtain Rod** *(10 28 16 13-0001)* Note: Includes end brackets. See CSI section 10 28 13 13-0210 for shower curtain rods.		
10 28 16 13-0026		**Residential, Recessed, Chrome Plated Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0027	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	89.73	11.59
10 28 16 13-0028	EA	Recessed Mounted, Chrome Plated Soap Dish	149.20	11.59
10 28 16 13-0029	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	161.29	11.59
10 28 16 13-0030	EA	Recessed Mounted, Chrome Plated Tumbler Holder	94.85	11.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0031		**Residential, Surface Mounted, Chrome Plated Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0032	EA	Surface Mounted, Chrome Plated Soap Dish	63.75	7.73
10 28 16 13-0033	EA	Surface Mounted, Chrome Plated Single Clothes Hook	77.24	7.73
10 28 16 13-0034	EA	Surface Mounted, Chrome Plated Double Clothes Hook	77.24	7.73
10 28 16 13-0035	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	182.34	7.73
10 28 16 13-0036	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	148.42	7.73
10 28 16 13-0037	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	81.01	10.31
10 28 16 13-0038	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	82.52	10.31
10 28 16 13-0039	EA	Surface Mounted, Chrome Plated Towel Ring	60.43	7.73
10 28 16 13-0040	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	58.61	5.15
10 28 16 13-0041	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	63.75	7.73
10 28 16 13-0042	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	154.14	7.73
10 28 16 13-0043	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	81.89	7.73
10 28 16 13-0044	EA	Surface Mounted, Chrome Plated Towel Pin	88.00	5.15
10 28 16 13-0045	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	303.80	7.73
10 28 16 13-0046	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	141.80	7.73
10 28 16 13-0047	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	58.72	7.73
10 28 16 13-0048		**Residential, Ceramic Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0049	EA	4-1/8" x 4-1/8" x 2-7/8" Deep Ceramic Recessed Soap Dish	88.48	10.66
10 28 16 13-0050	EA	6" x 4-1/4" x 3-1/8" Deep Ceramic Recessed Soap Dish	112.89	10.66
10 28 16 13-0051	EA	8-1/8" x 15-3/8" x 2-7/8" Deep Ceramic Recessed Soap And Suds	218.35	13.40
10 28 16 13-0052	EA	6" x 6" x 3-1/4" Deep Ceramic Recessed Toilet Paper Holder	103.12	10.66
10 28 16 13-0053	EA	6" x 6" x 4-7/8" Deep Ceramic Recessed Soap And Cloth Holder With Lip Drain	142.18	10.66
10 28 16 13-0054	EA	6-3/8" x 4-3/4" x 1-3/8" Deep Ceramic Semi-Recessed Soap Dish	76.27	10.66
10 28 16 13-0055	EA	6-3/8" x 6-3/8" x 1-3/4" Deep Ceramic Semi-Recessed Soap Dish	85.06	10.66
10 28 16 13-0056	EA	6-5/8" x 5" x 2-3/8" Deep Ceramic Semi-Recessed Toilet Paper Holder	71.39	10.66
10 28 16 13-0057	EA	6-5/8" x 4-7/8" x 2-3/8" Deep Ceramic Semi-Recessed Soap And Cloth Holder	78.71	10.66
10 28 16 13-0058	EA	7-1/4" x 3" Ceramic Surface Mounted Corner Shelf	89.88	6.96
10 28 16 13-0059	EA	4-1/2" x 2-1/4" Ceramic Surface Mounted Corner Shelf	77.58	6.96
10 28 16 13-0060	EA	4" x 6" Ceramic Surface Mounted Toilet Paper Holder	53.27	6.96
10 28 16 13-0061	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish	53.90	6.96
10 28 16 13-0062	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Soap Dish	48.34	6.96
10 28 16 13-0063	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Low Profile Soap Dish	40.92	6.96
10 28 16 13-0064	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish And Cloth Holder	59.54	6.96
10 28 16 13-0065	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	48.34	6.96
10 28 16 13-0066	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	40.92	6.96
10 28 16 13-0067	EA	1-1/2" x 4-1/4" Ceramic Surface Mounted Towel Ring	52.32	6.96
10 28 16 13-0068		**Residential Medicine Cabinets, Solid Oak** *(10 28 16 13-0001)* Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0069	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	263.26	25.76
10 28 16 13-0070	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	322.04	25.76
10 28 16 13-0071	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	279.79	25.76
10 28 16 13-0072	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	344.59	25.76
10 28 16 13-0073	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	290.21	25.76
10 28 16 13-0074	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	364.39	25.76
10 28 16 13-0075	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	304.53	25.76
10 28 16 13-0076	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	388.60	25.76
10 28 16 13-0077		**Residential Toilet Accessories** *(10 28 16 13-0001)*		
10 28 16 13-0078	EA	Surface Mounted Plastic Paper Towel Dispenser	96.79	11.59
10 28 16 13-0079	EA	Surface Mounted Plastic Napkin Disposal	80.54	11.59
10 28 16 13-0080	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	86.28	
10 28 16 13-0081	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	103.48	11.59
10 28 16 13-0082	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	96.84	11.59
10 28 16 13-0083	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	118.78	14.17
10 28 16 13-0084	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	56.98	10.31
10 28 16 13-0085	EA	13 Gallon Plastic Waste Door For Countertops	258.50	19.33
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	669.56	37.67
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	708.49	18.84
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	869.97	18.84
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	704.35	18.84
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	759.49	18.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0008		**Frameless, Swinging Shower Doors** *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	1,084.89	18.84
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	1,138.86	18.84
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	1,189.65	18.84
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,243.62	18.84
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,296.00	18.84
10 28 19 16-0014		**Sliding Shower Doors** *(10 28 19 16)*		
10 28 19 16-0015		**Framed, Sliding Shower Doors** *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	1,168.12	18.84
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	1,058.90	18.84
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	1,088.32	18.84
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	1,119.60	18.84
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	1,137.06	18.84
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	1,162.90	18.84
10 28 19 16-0022		**Frameless, Sliding Shower Doors** *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,443.42	18.84
10 28 19 16-0024	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,465.31	18.84
10 28 19 16-0025	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,668.82	18.84
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		**Sliding Bathtub Doors** *(10 28 19 19)*		
10 28 19 19-0002		**Framed, Sliding Bathtub Doors** *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	1,026.06	18.84
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	1,038.65	18.84
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	1,067.11	18.84
10 28 19 19-0006		**Frameless, Sliding Bathtub Doors** *(10 28 19 19-0001)*		
10 28 19 19-0007	EA	52" To 56" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00353)	1,345.00	18.84
10 28 19 19-0008	EA	56" To 60" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00350)	1,366.79	18.84

10 30 Fireplaces and Stoves *(10)*

10 31 Manufactured Fireplaces *(10 30)*

10 31 13 Manufactured Fireplace Chimneys *(10 31)*

See CSI section 23 51 00 00-0000 for chimneys.

10 31 16 Manufactured Fireplace Forms *(10 31)*

10 31 16 00-0001		**Prefabricated Fireplaces** *(10 31 16)* Note: Listed by screen width.		
10 31 16 00-0002		**Radiant Heat Fireplace Inserts** *(10 31 16 00-0001)* Note: Includes insert, screen, grate and vent connection.		
10 31 16 00-0003	EA	38" Wide Radiant Heat, Open Front Fireplace Insert	1,355.30	125.14
		For Circulating Heat Fireplace, Add	*60.78*	
10 31 16 00-0004	EA	43" Wide Radiant Heat, Open Front Fireplace Insert	1,449.72	129.00
		For Circulating Heat Fireplace, Add	*65.54*	
10 31 16 00-0005	EA	48" Wide Radiant Heat, Open Front Fireplace Insert	1,570.95	135.46
		For Circulating Heat Fireplace, Add	*71.50*	
10 31 16 00-0006		**Radiant Heat Natural Gas Fireplace** *(10 31 16 00-0001)* Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 31 16 00-0007	EA	32" Wide Radiant Heat Natural Gas Fireplace	1,887.02	125.14
		For Circulating Heat Fireplace, Add	*90.02*	
		For Remote Ignition, Add	*81.84*	
10 31 16 00-0008	EA	36" Wide Radiant Heat Natural Gas Fireplace	2,015.92	129.00
		For Circulating Heat Fireplace, Add	*96.69*	
		For Remote Ignition, Add	*87.90*	
10 31 16 00-0009		Vent Free Radiant Heat Natural Gas Fireplace *(10 31 16 00-0001)*		
		Note: Includes insert, screen, and gas logs. Units are remote ready.		
10 31 16 00-0010	EA	26" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,123.46	108.36
		For Circulating Heat Fireplace, Add	*104.87*	
		For Remote Ignition, Add	*95.34*	
10 31 16 00-0011	EA	32" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,382.20	116.10
		For Circulating Heat Fireplace, Add	*118.25*	
		For Remote Ignition, Add	*107.50*	
10 31 16 00-0012	EA	36" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,657.25	129.00
		For Circulating Heat Fireplace, Add	*131.96*	
		For Remote Ignition, Add	*119.96*	
10 31 16 00-0013	EA	42" Wide Vent Free Radiant Heat Natural Gas Fireplace	3,036.20	139.32
		For Circulating Heat Fireplace, Add	*151.67*	
		For Remote Ignition, Add	*137.88*	

10 32 Fireplace Specialties *(10 30)*

10 32 16 Fireplace Inserts *(10 32)*

10 32 16 00-0001		Gas Log Inserts, Vented *(10 32 16)*		
		Note: Manual controlled.		
10 32 16 00-0002	EA	15", 4 Log Set Gas Log Insert	669.66	75.42
10 32 16 00-0003	EA	18", 6 Log Set Gas Log Insert	844.44	75.42
10 32 16 00-0004	EA	21", 6 Log Set Gas Log Insert	895.48	75.42
10 32 16 00-0005	EA	24", 6 or 7 Log Set Gas Log Insert	946.52	75.42
10 32 16 00-0006	EA	30", 7 or 8 Log Set Gas Log Insert	1,228.41	75.42
10 32 16 00-0007	EA	36", 8 to 11 Log Set Gas Log Insert	1,462.73	75.42

10 32 19 Fireplace Screens *(10 32)*

10 32 19 00-0001		Screens, Mounted *(10 32 19)*		
10 32 19 00-0002	EA	Black Powder Coated Steel Screen And Frame	142.46	
		Note: Fits Heights between 18" to 27" and widths up to 42".		
10 32 19 00-0003	EA	Stainless Steel Screen And Frame	262.94	
		Note: Fits Heights between 18" to 27" and widths up to 42".		

10 32 23 Fireplace Doors *(10 32)*

10 32 23 00-0001		Glass Doors, Bi-Fold *(10 32 23)*		
		Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.		
10 32 23 00-0002	EA	29" To 32" Wide Glass Fireplace Door, 25" To 32" Height	1,237.59	33.30
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0003	EA	32" To 35" Wide Glass Fireplace Door, 25" To 32" Height	1,357.97	33.30
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0004	EA	35" To 38" Wide Glass Fireplace Door, 25" To 32" Height	1,454.27	33.30
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0005	EA	38" To 43" Wide Glass Fireplace Door, 25" To 32" Height	1,569.83	33.30
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0006		Chimney Dampers / Chimalator *(10 32 23)*		
		Note: Stainless steel top sealing damper cap.		
10 32 23 00-0007	EA	8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	672.98	11.51
10 32 23 00-0008	EA	8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	698.05	12.24
10 32 23 00-0009	EA	8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	912.31	13.95
10 32 23 00-0010	EA	8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	979.80	13.95
10 32 23 00-0011	EA	10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,026.29	17.50
10 32 23 00-0012	EA	12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	773.81	17.50
10 32 23 00-0013	EA	12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	972.75	20.99
10 32 23 00-0014	EA	13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	773.81	17.50
10 32 23 00-0015	EA	13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	972.75	20.99
10 32 23 00-0016	EA	13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,261.12	20.99
10 32 23 00-0017	EA	16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	1,091.93	29.38
10 32 23 00-0018	EA	16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,374.16	29.38
10 32 23 00-0019	EA	18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,138.88	30.91
10 32 23 00-0020	EA	18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,457.74	30.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 32 23 00-0021	EA	20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,568.41	32.62
10 32 23 00-0022	EA	20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,701.35	32.62
10 32 23 00-0023	EA	24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,810.48	34.58

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,749.04	16.75
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*56.89*	
		For Swing Key Hook Panel, Add	*155.89*	
		For Non-Locking Weather Housing, Add	*390.68*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,858.15	16.75
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*56.89*	
		For Swing Key Hook Panel, Add	*155.89*	
		For Second Swing Key Hook Panel, Add	*122.89*	
		For Non-Locking Weather Housing, Add	*390.68*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	843.38	16.75
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	734.26	16.75
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*49.46*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,001.60	16.75
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*49.46*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,069.79	16.75
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*49.46*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	198.20	21.12
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	202.60	21.12
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	203.48	21.12
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	230.81	21.12
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	302.20	21.12
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	311.89	21.12

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	209.25	21.12
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	213.71	21.12
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	221.13	21.12
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	233.75	21.12
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	272.87	21.12
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	284.75	21.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0017		Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	416.43	21.12
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	430.92	21.12
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	438.17	21.12
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	487.69	21.12
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	587.74	21.12
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	617.94	21.12
10 44 13 00-0024		Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,670.86	21.12
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,684.73	21.12
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,967.50	21.12
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	255.48	21.12
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	288.98	21.12
10 44 13 00-0031		Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	221.99	21.12
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	230.81	21.12
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	231.69	21.12
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	261.65	21.12
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	321.59	21.12
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	331.28	21.12
10 44 13 00-0039		Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	242.44	21.12
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	253.57	21.12
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	260.25	21.12
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	272.87	21.12
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	316.66	21.12
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	327.05	21.12
10 44 13 00-0046		Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	480.24	21.12
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	497.15	21.12
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	504.39	21.12
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	541.84	21.12
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	634.85	21.12
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	655.38	21.12
10 44 13 00-0053		Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,165.05	21.12
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,176.69	21.12
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,527.92	21.12
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	287.21	21.12
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	318.94	21.12
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	214.94	21.12
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	220.23	21.12
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	262.54	21.12
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	314.54	21.12
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	328.64	21.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	312.95	21.12
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	322.60	21.12
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	344.12	21.12
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	386.42	21.12
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	404.24	21.12
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	585.32	21.12
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	608.28	21.12
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	665.05	21.12
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	774.97	21.12
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	808.79	21.12
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,516.95	21.12
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,865.50	21.12
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	267.82	21.12
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	306.61	21.12
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	442.34	21.12
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	19.65	6.45
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	17.28	6.45
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	15.84	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	56.21	12.88
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	244.09	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	268.50	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	366.14	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	500.38	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	585.82	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	141.57	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	146.45	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	195.27	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	353.93	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	358.81	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	73.96	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	77.66	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	104.78	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	184.90	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	187.37	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	583.54	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	595.83	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	606.07	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	616.32	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	628.60	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	661.35	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	671.60	109.56
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	640.29	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	660.09	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	662.66	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	670.89	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	681.69	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	712.28	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	742.88	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0124		**Stainless Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)* Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	875.19	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	977.63	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	987.49	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,019.01	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,028.86	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,080.08	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,131.31	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0132		**Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0133		**Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	616.32	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	628.60	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	638.82	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	651.11	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	661.35	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	694.10	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	706.38	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0141		**Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	660.09	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	681.69	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	684.77	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	690.69	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	701.48	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	732.08	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	762.68	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0149		**Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)* Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	936.26	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,048.56	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,058.41	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,089.93	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,099.78	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,151.01	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,202.23	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	628.60	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	638.82	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	651.11	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	661.35	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	671.60	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	706.38	109.56
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	716.63	109.56
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	712.28	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	732.08	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	737.22	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	742.88	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	751.88	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	784.28	109.56
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	804.08	109.56
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,019.01	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,346.06	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,428.80	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,448.50	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,468.21	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,550.95	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,653.40	109.56
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	131.54	6.70
		For >5 To 10, Deduct	*-4.86*	
		For >10, Deduct	*-9.72*	
		For Placement In Cabinet, Deduct	*-17.18*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	200.26	7.73
		For >5 To 10, Deduct	*-8.03*	
		For >10, Deduct	*-16.06*	
		For Placement In Cabinet, Deduct	*-19.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	260.52	9.80
		For >5 To 10, Deduct	*-10.45*	
		For >10, Deduct	*-20.90*	
		For Placement In Cabinet, Deduct	*-25.77*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	320.01	12.37
		For >5 To 10, Deduct	*-12.78*	
		For >10, Deduct	*-25.56*	
		For Placement In Cabinet, Deduct	*-32.21*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	361.77	12.37
		For >5 To 10, Deduct	*-14.87*	
		For >10, Deduct	*-29.74*	
		For Placement In Cabinet, Deduct	*-32.21*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,242.01	19.58
		For >5 To 10, Deduct	*-56.95*	
		For >10, Deduct	*-113.89*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,511.46	19.58
		For >5 To 10, Deduct	*-120.42*	
		For >10, Deduct	*-240.84*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	71.41	6.70
		For Placement In Cabinet, Deduct	*-17.18*	
		For >5 To 10, Deduct	*-1.85*	
		For >10, Deduct	*-3.71*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	92.20	7.73
		For Placement In Cabinet, Deduct	*-19.82*	
		For >5 To 10, Deduct	*-2.63*	
		For >10, Deduct	*-5.26*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	135.20	9.80
		For Placement In Cabinet, Deduct	*-25.77*	
		For >5 To 10, Deduct	*-4.18*	
		For >10, Deduct	*-8.37*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	196.09	12.37
		For Placement In Cabinet, Deduct	*-32.21*	
		For >5 To 10, Deduct	*-6.58*	
		For >10, Deduct	*-13.17*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,504.60	19.58
		For >5 To 10, Deduct	*-70.08*	
		For >10, Deduct	*-140.15*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,272.17	19.58
		For >5 To 10, Deduct	*-108.46*	
		For >10, Deduct	*-216.91*	
10 44 16 13-0016	EA	5 Lb. Dry Chemical Extinguisher, Red Steel, 2A:10B:C	123.05	7.73
		For >5 To 10, Deduct	*-4.17*	
		For >10, Deduct	*-8.34*	
10 44 16 13-0017	EA	10 Lb. Dry Chemical Extinguisher, Red Steel, 2A:20B:C	182.21	9.80
		For >5 To 10, Deduct	*-6.53*	
		For >10, Deduct	*-13.07*	

10 44 16 13-0018 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0019	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	147.43	7.73
		For Placement In Cabinet, Deduct	*-19.82*	
		For >5 To 10, Deduct	*-5.39*	
		For >10, Deduct	*-10.78*	
10 44 16 13-0020	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	219.98	12.37
		For Placement In Cabinet, Deduct	*-32.21*	
		For >5 To 10, Deduct	*-7.78*	
		For >10, Deduct	*-15.56*	
10 44 16 13-0021	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	236.93	12.37
		For Placement In Cabinet, Deduct	*-32.21*	
		For >5 To 10, Deduct	*-8.63*	
		For >10, Deduct	*-17.25*	
10 44 16 13-0022	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	354.01	12.37
		For >5 To 10, Deduct	*-14.48*	
		For >10, Deduct	*-28.96*	

10 44 16 13-0023 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0024 Fire Extinguisher Backboards *(10 44 16 13-0023)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0025	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	68.12	8.89
10 44 16 13-0026	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	78.46	

10 44 16 13-0027 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0028	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.77	
10 44 16 13-0029	EA	On Site Fire Extinguisher Hydrotest	11.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	280.01	21.12
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	196.28	21.12

10 45 Photoluminescent Exit Specialties *(10 40)*

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings *(10 45)*

10 45 00 00-0002	LF	1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	6.98	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0003	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	7.56	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0004	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	8.14	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0005	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	7.57	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0006	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	8.73	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0007	LF	1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	9.46	
		For Wall Applied, Add	*0.44*	
10 45 00 00-0008	EA	1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors Note: Self adhesive, high bond foam backing.	42.33	
10 45 00 00-0009	EA	1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	42.31	

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 48" Single Tier Institutional Or Corridor Locker	254.27	15.98
		For >25 To 50, Deduct	*-11.12*	
		For >50 To 100, Deduct	*-22.71*	
		For >100, Deduct	*-34.31*	
		For 14 Gauge Doors, Add	*17.79*	
10 51 13 00-0004	EA	12" x 15" x 48" Single Tier Institutional Or Corridor Locker	263.07	15.98
		For >25 To 50, Deduct	*-11.56*	
		For >50 To 100, Deduct	*-23.59*	
		For >100, Deduct	*-35.63*	
		For 14 Gauge Doors, Add	*18.49*	
10 51 13 00-0005	EA	12" x 18" x 48" Single Tier Institutional Or Corridor Locker	271.86	15.98
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-24.47*	
		For >100, Deduct	*-36.95*	
		For 14 Gauge Doors, Add	*19.19*	
10 51 13 00-0006	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	238.18	15.98
		For >25 To 50, Deduct	*-10.31*	
		For >50 To 100, Deduct	*-21.10*	
		For >100, Deduct	*-31.89*	
		For 14 Gauge Doors, Add	*16.50*	
10 51 13 00-0007	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	249.10	15.98
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-22.19*	
		For >100, Deduct	*-33.53*	
		For 14 Gauge Doors, Add	*17.37*	
10 51 13 00-0008	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	264.04	15.98
		For >25 To 50, Deduct	*-11.60*	
		For >50 To 100, Deduct	*-23.69*	
		For >100, Deduct	*-35.77*	
		For 14 Gauge Doors, Add	*18.57*	
10 51 13 00-0009	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	261.88	16.49
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-23.38*	
		For >100, Deduct	*-35.32*	
		For 14 Gauge Doors, Add	*18.31*	
10 51 13 00-0010	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	270.94	16.49
		For >25 To 50, Deduct	*-11.90*	
		For >50 To 100, Deduct	*-24.29*	
		For >100, Deduct	*-36.68*	
		For 14 Gauge Doors, Add	*19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0011	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	279.77	16.49
		For >25 To 50, Deduct	*-12.34*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-38.01*	
		For 14 Gauge Doors, Add	*19.74*	
10 51 13 00-0012	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	295.01	16.49
		For >25 To 50, Deduct	*-13.10*	
		For >50 To 100, Deduct	*-26.70*	
		For >100, Deduct	*-40.29*	
		For 14 Gauge Doors, Add	*20.96*	
10 51 13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	310.11	16.49
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-28.21*	
		For >100, Deduct	*-42.56*	
		For 14 Gauge Doors, Add	*22.17*	
10 51 13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	326.08	16.49
		For >25 To 50, Deduct	*-14.66*	
		For >50 To 100, Deduct	*-29.80*	
		For >100, Deduct	*-44.95*	
		For 14 Gauge Doors, Add	*23.45*	
10 51 13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	340.84	16.49
		For >25 To 50, Deduct	*-15.39*	
		For >50 To 100, Deduct	*-31.28*	
		For >100, Deduct	*-47.17*	
		For 14 Gauge Doors, Add	*24.63*	
10 51 13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	475.66	16.49
		For >25 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-44.76*	
		For >100, Deduct	*-67.39*	
		For 14 Gauge Doors, Add	*35.41*	

10 51 13 00-0017 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	287.38	16.49
		For >25 To 50, Deduct	*-12.72*	
		For >50 To 100, Deduct	*-25.93*	
		For >100, Deduct	*-39.15*	
		For 14 Gauge Doors, Add	*27.98*	
10 51 13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	294.27	16.49
		For >25 To 50, Deduct	*-13.06*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-40.18*	
		For 14 Gauge Doors, Add	*28.74*	
10 51 13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	301.21	16.49
		For >25 To 50, Deduct	*-13.41*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-41.22*	
		For 14 Gauge Doors, Add	*29.51*	
10 51 13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	301.06	17.01
		For >25 To 50, Deduct	*-13.35*	
		For >50 To 100, Deduct	*-27.21*	
		For >100, Deduct	*-41.08*	
		For 14 Gauge Doors, Add	*29.37*	
10 51 13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	316.11	17.01
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-43.33*	
		For 14 Gauge Doors, Add	*31.03*	
10 51 13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	325.20	17.01
		For >25 To 50, Deduct	*-14.56*	
		For >50 To 100, Deduct	*-29.63*	
		For >100, Deduct	*-44.70*	
		For 14 Gauge Doors, Add	*32.03*	
10 51 13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	338.22	17.01
		For >25 To 50, Deduct	*-15.21*	
		For >50 To 100, Deduct	*-30.93*	
		For >100, Deduct	*-46.65*	
		For 14 Gauge Doors, Add	*33.46*	
10 51 13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	351.29	17.01
		For >25 To 50, Deduct	*-15.86*	
		For >50 To 100, Deduct	*-32.24*	
		For >100, Deduct	*-48.61*	
		For 14 Gauge Doors, Add	*34.90*	
10 51 13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	410.47	17.01
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-38.16*	
		For >100, Deduct	*-57.49*	
		For 14 Gauge Doors, Add	*41.41*	
10 51 13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	421.22	17.01
		For >25 To 50, Deduct	*-19.36*	
		For >50 To 100, Deduct	*-39.23*	
		For >100, Deduct	*-59.10*	
		For 14 Gauge Doors, Add	*42.59*	

10 51 13 00-0028 Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	342.05	17.52
		For >25 To 50, Deduct	*-15.35*	
		For >50 To 100, Deduct	*-31.23*	
		For >100, Deduct	*-47.10*	
		For 14 Gauge Doors, Add	*46.05*	
10 51 13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	349.11	17.52
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-31.93*	
		For >100, Deduct	*-48.16*	
		For 14 Gauge Doors, Add	*47.11*	
10 51 13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	374.24	17.52
		For >25 To 50, Deduct	*-16.96*	
		For >50 To 100, Deduct	*-34.44*	
		For >100, Deduct	*-51.93*	
		For 14 Gauge Doors, Add	*50.88*	
10 51 13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	398.29	17.52
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-55.54*	
		For 14 Gauge Doors, Add	*54.49*	
10 51 13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	417.45	17.52
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-38.77*	
		For >100, Deduct	*-58.41*	
		For 14 Gauge Doors, Add	*57.36*	

10 51 13 00-0034 Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	333.62	18.04
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-30.30*	
		For >100, Deduct	*-45.71*	
10 51 13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	345.95	18.04
		For >25 To 50, Deduct	*-15.49*	
		For >50 To 100, Deduct	*-31.53*	
		For >100, Deduct	*-47.56*	
10 51 13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	365.79	18.04
		For >25 To 50, Deduct	*-16.49*	
		For >50 To 100, Deduct	*-33.51*	
		For >100, Deduct	*-50.54*	
10 51 13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	381.67	18.04
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-35.10*	
		For >100, Deduct	*-52.92*	
10 51 13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	404.54	18.04
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-37.39*	
		For >100, Deduct	*-56.35*	

10 51 13 00-0040 Six Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	365.68	18.55
		For >25 To 50, Deduct	*-16.43*	
		For >50 To 100, Deduct	*-33.41*	
		For >100, Deduct	*-50.40*	
10 51 13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	375.19	18.55
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-34.37*	
		For >100, Deduct	*-51.83*	
10 51 13 00-0043	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	393.15	18.55
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-36.16*	
		For >100, Deduct	*-54.52*	

10 51 13 00-0044 Locker And Coat Rack Combination *(10 51 13 00-0001)*

10 51 13 00-0045	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	731.87	12.37
10 51 13 00-0046	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,155.12	25.76

10 51 13 00-0047 Athletic Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0048 Single Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0049	EA	12" x 15" x 60" Single Tier Athletic Locker	376.18	16.49
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-34.81*	
		For >100, Deduct	*-52.47*	
10 51 13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker	390.67	16.49
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-36.26*	
		For >100, Deduct	*-54.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker	399.99	16.49
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-37.20*	
		For >100, Deduct	*-56.04*	
10 51 13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker	415.46	16.49
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-38.74*	
		For >100, Deduct	*-58.36*	
10 51 13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker	482.21	16.49
		For >25 To 50, Deduct	*-22.46*	
		For >50 To 100, Deduct	*-45.42*	
		For >100, Deduct	*-68.37*	
10 51 13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker	535.28	16.49
		For >25 To 50, Deduct	*-25.12*	
		For >50 To 100, Deduct	*-50.72*	
		For >100, Deduct	*-76.33*	
10 51 13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker	571.58	16.49
		For >25 To 50, Deduct	*-26.93*	
		For >50 To 100, Deduct	*-54.35*	
		For >100, Deduct	*-81.78*	
10 51 13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker	392.26	16.49
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-36.42*	
		For >100, Deduct	*-54.88*	
10 51 13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker	418.37	16.49
		For >25 To 50, Deduct	*-19.27*	
		For >50 To 100, Deduct	*-39.03*	
		For >100, Deduct	*-58.80*	
10 51 13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker	427.55	16.49
		For >25 To 50, Deduct	*-19.73*	
		For >50 To 100, Deduct	*-39.95*	
		For >100, Deduct	*-60.17*	
10 51 13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker	444.31	16.49
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-41.63*	
		For >100, Deduct	*-62.69*	
10 51 13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker	485.63	16.49
		For >25 To 50, Deduct	*-22.63*	
		For >50 To 100, Deduct	*-45.76*	
		For >100, Deduct	*-68.89*	
10 51 13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker	528.94	16.49
		For >25 To 50, Deduct	*-24.80*	
		For >50 To 100, Deduct	*-50.09*	
		For >100, Deduct	*-75.38*	
10 51 13 00-0062	EA	18" x 24" x 72" Single Tier Athletic Locker	605.71	16.49
		For >25 To 50, Deduct	*-28.64*	
		For >50 To 100, Deduct	*-57.77*	
		For >100, Deduct	*-86.90*	

10 51 13 00-0063 Two Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0064	EA	12" x 12" x 60" Two Tier Athletic Locker	425.62	17.01
		For >25 To 50, Deduct	*-19.58*	
		For >50 To 100, Deduct	*-39.67*	
		For >100, Deduct	*-59.76*	
10 51 13 00-0065	EA	12" x 15" x 60" Two Tier Athletic Locker	441.05	17.01
		For >25 To 50, Deduct	*-20.35*	
		For >50 To 100, Deduct	*-41.21*	
		For >100, Deduct	*-62.08*	
10 51 13 00-0066	EA	12" x 18" x 60" Two Tier Athletic Locker	458.41	17.01
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-42.95*	
		For >100, Deduct	*-64.68*	
10 51 13 00-0067	EA	15" x 15" x 60" Two Tier Athletic Locker	460.10	17.01
		For >25 To 50, Deduct	*-21.30*	
		For >50 To 100, Deduct	*-43.12*	
		For >100, Deduct	*-64.93*	
10 51 13 00-0068	EA	15" x 18" x 60" Two Tier Athletic Locker	463.72	17.01
		For >25 To 50, Deduct	*-21.49*	
		For >50 To 100, Deduct	*-43.48*	
		For >100, Deduct	*-65.48*	
10 51 13 00-0069	EA	18" x 18" x 60" Two Tier Athletic Locker	494.23	17.01
		For >25 To 50, Deduct	*-23.01*	
		For >50 To 100, Deduct	*-46.53*	
		For >100, Deduct	*-70.05*	
10 51 13 00-0070	EA	18" x 21" x 60" Two Tier Athletic Locker	516.58	17.01
		For >25 To 50, Deduct	*-24.13*	
		For >50 To 100, Deduct	*-48.77*	
		For >100, Deduct	*-73.40*	
10 51 13 00-0071	EA	18" x 24" x 60" Two Tier Athletic Locker	616.40	17.01
		For >25 To 50, Deduct	*-29.12*	
		For >50 To 100, Deduct	*-58.75*	
		For >100, Deduct	*-88.38*	
10 51 13 00-0072	EA	12" x 12" x 72" Two Tier Athletic Locker	442.32	17.01
		For >25 To 50, Deduct	*-20.42*	
		For >50 To 100, Deduct	*-41.34*	
		For >100, Deduct	*-62.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0073	EA	12" x 15" x 72" Two Tier Athletic Locker	458.12	17.01
		For >25 To 50, Deduct	*-21.21*	
		For >50 To 100, Deduct	*-42.92*	
		For >100, Deduct	*-64.64*	
10 51 13 00-0074	EA	12" x 18" x 72" Two Tier Athletic Locker	479.66	17.01
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.07*	
		For >100, Deduct	*-67.87*	
10 51 13 00-0075	EA	15" x 15" x 72" Two Tier Athletic Locker	482.93	17.01
		For >25 To 50, Deduct	*-22.45*	
		For >50 To 100, Deduct	*-45.40*	
		For >100, Deduct	*-68.36*	
10 51 13 00-0076	EA	15" x 18" x 72" Two Tier Athletic Locker	500.63	17.01
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-47.17*	
		For >100, Deduct	*-71.01*	
10 51 13 00-0077	EA	18" x 18" x 72" Two Tier Athletic Locker	522.38	17.01
		For >25 To 50, Deduct	*-24.42*	
		For >50 To 100, Deduct	*-49.35*	
		For >100, Deduct	*-74.27*	
10 51 13 00-0078	EA	18" x 21" x 72" Two Tier Athletic Locker	571.18	17.01
		For >25 To 50, Deduct	*-26.86*	
		For >50 To 100, Deduct	*-54.23*	
		For >100, Deduct	*-81.59*	
10 51 13 00-0079	EA	18" x 24" x 72" Two Tier Athletic Locker	648.76	17.01
		For >25 To 50, Deduct	*-30.74*	
		For >50 To 100, Deduct	*-61.98*	
		For >100, Deduct	*-93.23*	

10 51 13 00-0080 Three Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes one double hook per tier.

10 51 13 00-0081	EA	12" x 12" x 60" Three Tier Athletic Locker	463.81	17.52
		For >25 To 50, Deduct	*-21.44*	
		For >50 To 100, Deduct	*-43.40*	
		For >100, Deduct	*-65.37*	
10 51 13 00-0082	EA	12" x 15" x 60" Three Tier Athletic Locker	488.81	17.52
		For >25 To 50, Deduct	*-22.69*	
		For >50 To 100, Deduct	*-45.90*	
		For >100, Deduct	*-69.12*	
10 51 13 00-0083	EA	12" x 18" x 60" Three Tier Athletic Locker	510.92	17.52
		For >25 To 50, Deduct	*-23.79*	
		For >50 To 100, Deduct	*-48.11*	
		For >100, Deduct	*-72.43*	
10 51 13 00-0084	EA	15" x 15" x 60" Three Tier Athletic Locker	525.93	17.52
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-49.61*	
		For >100, Deduct	*-74.68*	
10 51 13 00-0085	EA	15" x 18" x 60" Three Tier Athletic Locker	550.93	17.52
		For >25 To 50, Deduct	*-25.79*	
		For >50 To 100, Deduct	*-52.11*	
		For >100, Deduct	*-78.43*	
10 51 13 00-0086	EA	12" x 12" x 72" Three Tier Athletic Locker	492.29	17.52
		For >25 To 50, Deduct	*-22.86*	
		For >50 To 100, Deduct	*-46.25*	
		For >100, Deduct	*-69.64*	
10 51 13 00-0087	EA	12" x 15" x 72" Three Tier Athletic Locker	514.87	17.52
		For >25 To 50, Deduct	*-23.99*	
		For >50 To 100, Deduct	*-48.51*	
		For >100, Deduct	*-73.02*	
10 51 13 00-0088	EA	12" x 18" x 72" Three Tier Athletic Locker	546.03	17.52
		For >25 To 50, Deduct	*-25.55*	
		For >50 To 100, Deduct	*-51.62*	
		For >100, Deduct	*-77.70*	
10 51 13 00-0089	EA	15" x 15" x 72" Three Tier Athletic Locker	561.98	17.52
		For >25 To 50, Deduct	*-26.35*	
		For >50 To 100, Deduct	*-53.22*	
		For >100, Deduct	*-80.09*	
10 51 13 00-0090	EA	15" x 18" x 72" Three Tier Athletic Locker	585.91	17.52
		For >25 To 50, Deduct	*-27.54*	
		For >50 To 100, Deduct	*-55.61*	
		For >100, Deduct	*-83.68*	

10 51 13 00-0091 Four Tier Athletic Locker *(10 51 13 00-0047)*

10 51 13 00-0092	EA	12" x 12" x 60" Four Tier Athletic Locker	422.18	18.04
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-39.15*	
		For >100, Deduct	*-59.00*	
10 51 13 00-0093	EA	12" x 15" x 60" Four Tier Athletic Locker	452.80	18.04
		For >25 To 50, Deduct	*-20.84*	
		For >50 To 100, Deduct	*-42.21*	
		For >100, Deduct	*-63.59*	
10 51 13 00-0094	EA	12" x 18" x 60" Four Tier Athletic Locker	483.43	18.04
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-45.28*	
		For >100, Deduct	*-68.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0095	EA	15" x 15" x 60" Four Tier Athletic Locker	495.94	18.04
		For >25 To 50, Deduct	*-22.99*	
		For >50 To 100, Deduct	*-46.53*	
		For >100, Deduct	*-70.06*	
10 51 13 00-0096	EA	15" x 18" x 60" Four Tier Athletic Locker	546.24	18.04
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-51.56*	
		For >100, Deduct	*-77.61*	
10 51 13 00-0097	EA	12" x 12" x 72" Four Tier Athletic Locker	453.34	18.04
		For >25 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-42.27*	
		For >100, Deduct	*-63.67*	
10 51 13 00-0098	EA	12" x 15" x 72" Four Tier Athletic Locker	484.40	18.04
		For >25 To 50, Deduct	*-22.42*	
		For >50 To 100, Deduct	*-45.37*	
		For >100, Deduct	*-68.33*	
10 51 13 00-0099	EA	12" x 18" x 72" Four Tier Athletic Locker	515.46	18.04
		For >25 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-48.48*	
		For >100, Deduct	*-72.99*	
10 51 13 00-0100	EA	15" x 15" x 72" Four Tier Athletic Locker	531.36	18.04
		For >25 To 50, Deduct	*-24.76*	
		For >50 To 100, Deduct	*-50.07*	
		For >100, Deduct	*-75.38*	
10 51 13 00-0101	EA	15" x 18" x 72" Four Tier Athletic Locker	543.30	18.04
		For >25 To 50, Deduct	*-25.36*	
		For >50 To 100, Deduct	*-51.26*	
		For >100, Deduct	*-77.17*	

10 51 13 00-0102 Six Tier Athletic Locker *(10 51 13 00-0047)*

10 51 13 00-0103	EA	12" x 12" x 72" Six Tier Athletic Locker	506.61	18.55
		For >25 To 50, Deduct	*-23.48*	
		For >50 To 100, Deduct	*-47.51*	
		For >100, Deduct	*-71.54*	
10 51 13 00-0104	EA	12" x 15" x 72" Six Tier Athletic Locker	530.47	18.55
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-49.89*	
		For >100, Deduct	*-75.12*	
10 51 13 00-0105	EA	12" x 18" x 72" Six Tier Athletic Locker	554.29	18.55
		For >25 To 50, Deduct	*-25.86*	
		For >50 To 100, Deduct	*-52.28*	
		For >100, Deduct	*-78.69*	
10 51 13 00-0106	EA	12" x 21" x 72" Six Tier Athletic Locker	641.22	18.55
		For >25 To 50, Deduct	*-30.21*	
		For >50 To 100, Deduct	*-60.97*	
		For >100, Deduct	*-91.73*	

10 51 13 00-0107 Open Front, All-Welded Steel Stadium Lockers *(10 51 13)*

Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.

10 51 13 00-0108	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01) Note: Includes shelf and 4" high integral base.	352.83	9.92
		For >25 To 50, Deduct	*-16.93*	
		For >50 To 100, Deduct	*-34.08*	
		For >100, Deduct	*-51.22*	
10 51 13 00-0109	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10) Note: Includes shelf and 4" high integral base.	378.44	10.82
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-36.53*	
		For >100, Deduct	*-54.91*	
10 51 13 00-0110	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20) Note: Includes shelf and 4" high integral base.	396.52	10.82
		For >25 To 50, Deduct	*-19.05*	
		For >50 To 100, Deduct	*-38.34*	
		For >100, Deduct	*-57.62*	
10 51 13 00-0111	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30) Note: Includes shelf and 4" high integral base.	413.10	10.82
		For >25 To 50, Deduct	*-19.88*	
		For >50 To 100, Deduct	*-40.00*	
		For >100, Deduct	*-60.11*	
10 51 13 00-0112	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40) Note: Includes shelf and 4" high integral base.	384.53	12.47
		For >25 To 50, Deduct	*-18.34*	
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-55.55*	
10 51 13 00-0113	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50) Note: Includes shelf and 4" high integral base.	416.59	12.47
		For >25 To 50, Deduct	*-19.94*	
		For >50 To 100, Deduct	*-40.15*	
		For >100, Deduct	*-60.36*	
10 51 13 00-0114	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60) Note: Includes shelf and 4" high integral base.	430.80	12.47
		For >25 To 50, Deduct	*-20.65*	
		For >50 To 100, Deduct	*-41.57*	
		For >100, Deduct	*-62.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0115	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09)	364.83	9.92
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-17.53*	
		For >50 To 100, Deduct	*-35.28*	
		For >100, Deduct	*-53.02*	
10 51 13 00-0116	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11)	416.26	10.82
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-40.31*	
		For >100, Deduct	*-60.59*	
10 51 13 00-0117	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21)	437.05	10.82
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-42.39*	
		For >100, Deduct	*-63.70*	
10 51 13 00-0118	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31)	446.31	10.82
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-21.54*	
		For >50 To 100, Deduct	*-43.32*	
		For >100, Deduct	*-65.09*	
10 51 13 00-0119	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41)	425.07	12.47
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-41.00*	
		For >100, Deduct	*-61.63*	
10 51 13 00-0120	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51)	457.16	12.47
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-21.97*	
		For >50 To 100, Deduct	*-44.21*	
		For >100, Deduct	*-66.44*	
10 51 13 00-0121	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61)	466.63	12.47
		Note: Includes shelf, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-22.44*	
		For >50 To 100, Deduct	*-45.15*	
		For >100, Deduct	*-67.86*	
10 51 13 00-0122	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02)	439.71	9.92
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-21.28*	
		For >50 To 100, Deduct	*-42.77*	
		For >100, Deduct	*-64.26*	
10 51 13 00-0123	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12)	466.97	10.82
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-22.58*	
		For >50 To 100, Deduct	*-45.38*	
		For >100, Deduct	*-68.19*	
10 51 13 00-0124	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22)	492.31	10.82
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-47.92*	
		For >100, Deduct	*-71.99*	
10 51 13 00-0125	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32)	497.12	10.82
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-24.08*	
		For >50 To 100, Deduct	*-48.40*	
		For >100, Deduct	*-72.71*	
10 51 13 00-0126	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42)	549.69	12.47
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-26.60*	
		For >50 To 100, Deduct	*-53.46*	
		For >100, Deduct	*-80.32*	
10 51 13 00-0127	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52)	565.66	12.47
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-27.39*	
		For >50 To 100, Deduct	*-55.06*	
		For >100, Deduct	*-82.72*	
10 51 13 00-0128	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62)	583.15	12.47
		Note: Includes shelf, foot locker and 4" high integral base.		
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-56.80*	
		For >100, Deduct	*-85.34*	
10 51 13 00-0129	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03)	478.55	9.92
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-23.22*	
		For >50 To 100, Deduct	*-46.65*	
		For >100, Deduct	*-70.08*	
10 51 13 00-0130	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13)	517.01	10.82
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-25.08*	
		For >50 To 100, Deduct	*-50.39*	
		For >100, Deduct	*-75.70*	
10 51 13 00-0131	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23)	526.87	10.82
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-25.57*	
		For >50 To 100, Deduct	*-51.37*	
		For >100, Deduct	*-77.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0132	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33)	550.84	10.82
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-26.77*	
		For >50 To 100, Deduct	*-53.77*	
		For >100, Deduct	*-80.77*	
10 51 13 00-0133	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43)	722.22	12.47
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-35.22*	
		For >50 To 100, Deduct	*-70.71*	
		For >100, Deduct	*-106.20*	
10 51 13 00-0134	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53)	734.37	12.47
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-35.83*	
		For >50 To 100, Deduct	*-71.93*	
		For >100, Deduct	*-108.02*	
10 51 13 00-0135	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63)	746.54	12.47
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-36.44*	
		For >50 To 100, Deduct	*-73.14*	
		For >100, Deduct	*-109.85*	
10 51 13 00-0136		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0137		**Locker Slope Tops** *(10 51 13 00-0136)*		
10 51 13 00-0138		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0137)*		
10 51 13 00-0139	LF	12" Deep, 16 Gauge Continuous Slope Top	29.57	2.06
10 51 13 00-0140	LF	15" Deep, 16 Gauge Continuous Slope Top	24.14	2.06
10 51 13 00-0141	LF	18" Deep, 16 Gauge Continuous Slope Top	35.13	2.06
10 51 13 00-0142	LF	21" Deep, 16 Gauge Continuous Slope Top	39.36	2.06
10 51 13 00-0143	LF	24" Deep, 16 Gauge Continuous Slope Top	41.34	2.06
10 51 13 00-0144		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0137)*		
10 51 13 00-0145	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	138.67	2.06
10 51 13 00-0146	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	141.76	2.06
10 51 13 00-0147	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	144.82	2.06
10 51 13 00-0148	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	148.54	2.06
10 51 13 00-0149	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	152.22	2.06
10 51 13 00-0150		**20 Gauge Individual Slope Top** *(10 51 13 00-0137)*		
10 51 13 00-0151	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	24.68	2.06
10 51 13 00-0152	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	24.48	2.06
10 51 13 00-0153	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	27.82	2.06
10 51 13 00-0154	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	27.82	2.06
10 51 13 00-0155	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	28.62	2.06
10 51 13 00-0156	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	31.78	2.06
10 51 13 00-0157	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	31.78	2.06
10 51 13 00-0158	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	35.94	2.06
10 51 13 00-0159	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	40.89	2.06
10 51 13 00-0160		**Continuous Slope Top End Closures** *(10 51 13 00-0137)*		
10 51 13 00-0161	PR	12" Deep, Continuous Slope Top End Closures	26.65	2.06
10 51 13 00-0162	PR	15" Deep, Continuous Slope Top End Closures	21.87	2.06
10 51 13 00-0163	PR	18" Deep, Continuous Slope Top End Closures	30.59	2.06
10 51 13 00-0164	PR	21" Deep, Continuous Slope Top End Closures	32.57	2.06
10 51 13 00-0165	PR	24" Deep, Continuous Slope Top End Closures	33.93	2.06
10 51 13 00-0166		**Individual Slope Top End Closures** *(10 51 13 00-0137)*		
10 51 13 00-0167	EA	12" Deep, Individual Slope Top End Closures	15.39	2.06
10 51 13 00-0168	EA	15" Deep, Individual Slope Top End Closures	16.01	2.06
10 51 13 00-0169	EA	18" Deep, Individual Slope Top End Closures	17.38	2.06
10 51 13 00-0170	EA	21" Deep, Individual Slope Top End Closures	18.33	2.06
10 51 13 00-0171	EA	24" Deep, Individual Slope Top End Closures	28.08	2.06
10 51 13 00-0172		**Locker Base** *(10 51 13 00-0136)*		
10 51 13 00-0173		**Closed Front Base** *(10 51 13 00-0172)*		
10 51 13 00-0174	EA	12" Wide, 6" High Closed Front Base	16.44	2.06
10 51 13 00-0175	EA	15" Wide, 6" High Closed Front Base	17.48	2.06
10 51 13 00-0176	EA	18" Wide, 6" High Closed Front Base	19.63	2.06
10 51 13 00-0177	EA	24" Wide, 6" High Closed Front Base	20.66	2.06
10 51 13 00-0178		**Closed End Base** *(10 51 13 00-0172)*		
10 51 13 00-0179	EA	12" Deep, 6" High Closed End Base	19.31	2.06
10 51 13 00-0180	EA	15" Deep, 6" High Closed End Base	19.49	2.06
10 51 13 00-0181	EA	18" Deep, 6" High Closed End Base	20.88	2.06
10 51 13 00-0182	EA	21" Deep, 6" High Closed End Base	22.25	2.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0183	EA	24" Deep, 6" High Closed End Base	24.12	2.06
10 51 13 00-0184		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0172)*		
10 51 13 00-0185	LF	4" High Recessed Continuous Front "Z" Base	21.82	1.54
10 51 13 00-0186		**"Z" Base Ends Or Splice** *(10 51 13 00-0172)*		
10 51 13 00-0187	EA	12" Wide, 4" High Z-Base Ends Or Splice	20.42	2.06
10 51 13 00-0188	EA	15" Wide, 4" High Z-Base Ends Or Splice	24.48	2.06
10 51 13 00-0189	EA	18" Wide, 4" High Z-Base Ends Or Splice	28.62	2.06
10 51 13 00-0190	EA	21" Wide, 4" High Z-Base Ends Or Splice	32.97	2.06
10 51 13 00-0191	EA	24" Wide, 4" High Z-Base Ends Or Splice	37.31	2.06
10 51 13 00-0192		**Locker Front Fillers And End Panels** *(10 51 13 00-0136)*		
10 51 13 00-0193		**Locker Front Fillers** *(10 51 13 00-0192)*		
10 51 13 00-0194	EA	6" Wide x 48" High, 16 Gauge Front Filler	26.87	2.57
10 51 13 00-0195	EA	12" Wide x 48" High, 16 Gauge Front Filler	47.60	2.57
10 51 13 00-0196	EA	6" Wide x 60" High, 16 Gauge Front Filler	35.38	2.57
10 51 13 00-0197	EA	12" Wide x 60" High, 16 Gauge Front Filler	58.22	2.57
10 51 13 00-0198	EA	6" Wide x 66" High, 16 Gauge Front Filler	39.10	2.57
10 51 13 00-0199	EA	12" Wide x 66" High, 16 Gauge Front Filler	44.75	2.57
10 51 13 00-0200	EA	6" Wide x 72" High, 16 Gauge Front Filler	43.42	2.57
10 51 13 00-0201	EA	12" Wide x 72" High, 16 Gauge Front Filler	64.39	2.57
10 51 13 00-0202	EA	6" Wide x 78" High, 16 Gauge Front Filler	44.61	2.57
10 51 13 00-0203	EA	12" Wide x 78" High, 16 Gauge Front Filler	53.09	2.57
10 51 13 00-0204		**Locker End Panels** *(10 51 13 00-0192)*		
10 51 13 00-0205	EA	12" Deep x 48" High, 16 Gauge End Panel	49.84	2.06
10 51 13 00-0206	EA	15" Deep x 48" High, 16 Gauge End Panel	62.03	2.06
10 51 13 00-0207	EA	18" Deep x 48" High, 16 Gauge End Panel	73.77	2.06
10 51 13 00-0208	EA	12" Deep x 60" High, 16 Gauge End Panel	59.83	2.06
10 51 13 00-0209	EA	15" Deep x 60" High, 16 Gauge End Panel	68.58	2.06
10 51 13 00-0210	EA	18" Deep x 60" High, 16 Gauge End Panel	82.34	2.06
10 51 13 00-0211	EA	12" Deep x 72" High, 16 Gauge End Panel	71.46	2.06
10 51 13 00-0212	EA	15" Deep x 72" High, 16 Gauge End Panel	82.10	2.06
10 51 13 00-0213	EA	18" Deep x 72" High, 16 Gauge End Panel	96.27	2.06
10 51 13 00-0214	EA	21" Deep x 72" High, 16 Gauge End Panel	111.64	2.06
10 51 13 00-0215		**Locker Recessed Trim** *(10 51 13 00-0136)*		
10 51 13 00-0216	LF	3" Height, Top Trim For Recessed Lockers	8.68	1.03
10 51 13 00-0217	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	26.01	2.06
10 51 13 00-0218	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	42.42	2.06
10 51 13 00-0219	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	44.15	2.06
10 51 13 00-0220	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	45.88	2.06
10 51 13 00-0221	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	47.39	2.06
10 51 13 00-0222		**Locker Interior Accessories** *(10 51 13 00-0136)*		
10 51 13 00-0223		**Locker Coat Rods** *(10 51 13 00-0222)*		
10 51 13 00-0224	EA	12" Wide Coat Rod	11.58	2.06
10 51 13 00-0225	EA	15" Wide Coat Rod	13.19	2.06
10 51 13 00-0226	EA	18" Wide Coat Rod	14.62	2.06
10 51 13 00-0227	EA	24" Wide Coat Rod	15.88	2.06
10 51 13 00-0228		**Locker Hat Shelf** *(10 51 13 00-0222)*		
10 51 13 00-0229	EA	12" Wide Hat Shelf	14.97	2.06
10 51 13 00-0230	EA	15" Wide Hat Shelf	18.45	2.06
10 51 13 00-0231	EA	18" Wide Hat Shelf	19.92	2.06
10 51 13 00-0232	EA	24" Wide Hat Shelf	25.73	2.06
10 51 13 00-0233		**Locker ADA Compliant Shelf** *(10 51 13 00-0222)*		
10 51 13 00-0234	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	33.36	2.57
10 51 13 00-0235		**Other Interior Locker Accessories** *(10 51 13 00-0222)*		
10 51 13 00-0236	EA	3" x 10" Bent Plate Shoe Rack	47.53	2.06
10 51 13 00-0237	EA	8" x 10" Mirror	36.68	2.06
10 51 13 00-0238	EA	Additional Hook	6.84	2.06
10 51 13 00-0239		**Locker Locks** *(10 51 13 00-0136)*		
10 51 13 00-0240	EA	Built In Combination Lock	40.73	2.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0241		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0242	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,052.10	38.65
10 51 13 00-0243	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,740.10	38.65
10 51 13 00-0244		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0245		**All-Welded Steel Lockers** *(10 51 13 00-0244)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0246		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0245)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0247	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	198.41	9.02
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-18.75*	
		For >100, Deduct	*-28.22*	
10 51 13 00-0248	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	209.37	9.02
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-19.84*	
		For >100, Deduct	*-29.86*	
10 51 13 00-0249	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	219.91	9.02
		For >25 To 50, Deduct	*-10.35*	
		For >50 To 100, Deduct	*-20.90*	
		For >100, Deduct	*-31.44*	
10 51 13 00-0250	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	207.46	9.02
		For >25 To 50, Deduct	*-9.73*	
		For >50 To 100, Deduct	*-19.65*	
		For >100, Deduct	*-29.57*	
10 51 13 00-0251	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	218.00	9.02
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-20.71*	
		For >100, Deduct	*-31.15*	
10 51 13 00-0252	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	228.54	9.02
		For >25 To 50, Deduct	*-10.78*	
		For >50 To 100, Deduct	*-21.76*	
		For >100, Deduct	*-32.74*	
10 51 13 00-0253	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	218.50	9.92
		For >25 To 50, Deduct	*-10.22*	
		For >50 To 100, Deduct	*-20.65*	
		For >100, Deduct	*-31.07*	
10 51 13 00-0254	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	228.26	9.92
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-21.62*	
		For >100, Deduct	*-32.54*	
10 51 13 00-0255	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	238.80	9.92
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-34.12*	
10 51 13 00-0256	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	248.66	9.92
		For >25 To 50, Deduct	*-11.72*	
		For >50 To 100, Deduct	*-23.66*	
		For >100, Deduct	*-35.60*	
10 51 13 00-0257	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	256.78	9.92
		For >25 To 50, Deduct	*-12.13*	
		For >50 To 100, Deduct	*-24.47*	
		For >100, Deduct	*-36.82*	
10 51 13 00-0258	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	267.99	9.92
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-25.59*	
		For >100, Deduct	*-38.50*	
10 51 13 00-0259	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	280.60	9.92
		For >25 To 50, Deduct	*-13.32*	
		For >50 To 100, Deduct	*-26.86*	
		For >100, Deduct	*-40.39*	
10 51 13 00-0260	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	470.46	9.92
		For >25 To 50, Deduct	*-22.81*	
		For >50 To 100, Deduct	*-45.84*	
		For >100, Deduct	*-68.87*	
10 51 13 00-0261		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0245)* Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0262	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	241.63	9.02
		For >25 To 50, Deduct	*-11.44*	
		For >50 To 100, Deduct	*-23.07*	
		For >100, Deduct	*-34.70*	
10 51 13 00-0263	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	246.48	9.02
		For >25 To 50, Deduct	*-11.68*	
		For >50 To 100, Deduct	*-23.55*	
		For >100, Deduct	*-35.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0264	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	259.46	9.02
		For >25 To 50, Deduct	*-12.33*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-37.37*	
10 51 13 00-0265	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	251.00	9.92
		For >25 To 50, Deduct	*-11.84*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-35.95*	
10 51 13 00-0266	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	268.90	9.92
		For >25 To 50, Deduct	*-12.74*	
		For >50 To 100, Deduct	*-25.69*	
		For >100, Deduct	*-38.63*	
10 51 13 00-0267	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	278.66	9.92
		For >25 To 50, Deduct	*-13.22*	
		For >50 To 100, Deduct	*-26.66*	
		For >100, Deduct	*-40.10*	
10 51 13 00-0268	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	292.57	9.92
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-28.05*	
		For >100, Deduct	*-42.19*	
10 51 13 00-0269	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	299.11	9.92
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-43.17*	
10 51 13 00-0270	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	317.98	9.92
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-30.59*	
		For >100, Deduct	*-46.00*	
10 51 13 00-0271	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	332.60	9.92
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-32.06*	
		For >100, Deduct	*-48.19*	

10 51 13 00-0272 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0273	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	301.43	9.92
		For >25 To 50, Deduct	*-14.36*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-43.51*	
10 51 13 00-0274	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	308.76	9.92
		For >25 To 50, Deduct	*-14.73*	
		For >50 To 100, Deduct	*-29.67*	
		For >100, Deduct	*-44.61*	
10 51 13 00-0275	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	316.05	9.92
		For >25 To 50, Deduct	*-15.09*	
		For >50 To 100, Deduct	*-30.40*	
		For >100, Deduct	*-45.71*	
10 51 13 00-0276	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	333.30	9.92
		For >25 To 50, Deduct	*-15.96*	
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-48.29*	
10 51 13 00-0277	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	336.48	9.92
		For >25 To 50, Deduct	*-16.12*	
		For >50 To 100, Deduct	*-32.44*	
		For >100, Deduct	*-48.77*	

10 51 13 00-0278 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

10 51 13 00-0279	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	284.03	9.92
		For >25 To 50, Deduct	*-13.49*	
		For >50 To 100, Deduct	*-27.20*	
		For >100, Deduct	*-40.90*	
10 51 13 00-0280	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	290.96	9.92
		For >25 To 50, Deduct	*-13.84*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-41.94*	
10 51 13 00-0281	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	297.84	9.92
		For >25 To 50, Deduct	*-14.18*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-42.98*	
10 51 13 00-0282	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	314.07	9.92
		For >25 To 50, Deduct	*-15.00*	
		For >50 To 100, Deduct	*-30.20*	
		For >100, Deduct	*-45.41*	
10 51 13 00-0283	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	317.02	9.92
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-30.50*	
		For >100, Deduct	*-45.85*	

10 51 13 00-0284 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

10 51 13 00-0285	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	294.81	9.92
		For >25 To 50, Deduct	*-14.03*	
		For >50 To 100, Deduct	*-28.28*	
		For >100, Deduct	*-42.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0286	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	304.92	9.92
		For >25 To 50, Deduct	*-14.54*	
		For >50 To 100, Deduct	*-29.29*	
		For >100, Deduct	*-44.04*	
10 51 13 00-0287	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	312.35	9.92
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-30.03*	
		For >100, Deduct	*-45.15*	

10 51 13 00-0288 All Welded Locker Accessories *(10 51 13 00-0244)*

10 51 13 00-0289	EA	ADA Requirements For All Welded Lockers	135.20	
10 51 13 00-0290	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	212.73	2.06
10 51 13 00-0291	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	247.50	2.06
10 51 13 00-0292	EA	Recessed Trim For All Welded Lockers	148.35	2.06
10 51 13 00-0293	EA	Built In Combination Lock For All Welded Lockers	40.73	2.06
10 51 13 00-0294	EA	Pad Lock For All Welded Lockers	36.32	2.06

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	523.33	15.98
		For >50 To 100, Deduct	*-49.14*	
		For >100, Deduct	*-74.67*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	533.20	15.98
		For >50 To 100, Deduct	*-50.13*	
		For >100, Deduct	*-76.15*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	543.06	15.98
		For >50 To 100, Deduct	*-51.11*	
		For >100, Deduct	*-77.63*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	557.84	15.98
		For >50 To 100, Deduct	*-52.59*	
		For >100, Deduct	*-79.84*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	542.20	15.98
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-77.50*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	546.35	15.98
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-78.12*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	539.06	15.98
		For >50 To 100, Deduct	*-50.71*	
		For >100, Deduct	*-77.03*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	579.76	15.98
		For >50 To 100, Deduct	*-54.78*	
		For >100, Deduct	*-83.13*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	570.37	15.98
		For >50 To 100, Deduct	*-53.84*	
		For >100, Deduct	*-81.72*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	581.32	15.98
		For >50 To 100, Deduct	*-54.94*	
		For >100, Deduct	*-83.36*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	592.28	15.98
		For >50 To 100, Deduct	*-56.03*	
		For >100, Deduct	*-85.01*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	617.33	15.98
		For >50 To 100, Deduct	*-58.54*	
		For >100, Deduct	*-88.77*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	651.76	15.98
		For >50 To 100, Deduct	*-61.98*	
		For >100, Deduct	*-93.93*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	620.45	15.98
		For >50 To 100, Deduct	*-58.85*	
		For >100, Deduct	*-89.23*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	676.79	15.98
		For >50 To 100, Deduct	*-64.48*	
		For >100, Deduct	*-97.68*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	574.74	15.98
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-82.38*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	606.84	15.98
		For >50 To 100, Deduct	*-57.49*	
		For >100, Deduct	*-87.19*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	638.97	15.98
		For >50 To 100, Deduct	*-60.70*	
		For >100, Deduct	*-92.01*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	615.44	15.98
		For >50 To 100, Deduct	*-58.35*	
		For >100, Deduct	*-88.48*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	649.48	15.98
		For >50 To 100, Deduct	*-61.75*	
		For >100, Deduct	*-93.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	683.53	15.98
		For >50 To 100, Deduct	*-65.16*	
		For >100, Deduct	*-98.70*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	656.15	15.98
		For >50 To 100, Deduct	*-62.42*	
		For >100, Deduct	*-94.59*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	692.13	15.98
		For >50 To 100, Deduct	*-66.02*	
		For >100, Deduct	*-99.99*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	661.05	16.49
		For >50 To 100, Deduct	*-62.81*	
		For >100, Deduct	*-95.20*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	697.05	16.49
		For >50 To 100, Deduct	*-66.41*	
		For >100, Deduct	*-100.60*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	733.01	16.49
		For >50 To 100, Deduct	*-70.00*	
		For >100, Deduct	*-105.99*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	707.77	16.49
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-102.21*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	745.74	16.49
		For >50 To 100, Deduct	*-71.28*	
		For >100, Deduct	*-107.90*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	783.66	16.49
		For >50 To 100, Deduct	*-75.07*	
		For >100, Deduct	*-113.59*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	745.01	16.49
		For >50 To 100, Deduct	*-71.20*	
		For >100, Deduct	*-107.79*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	794.38	16.49
		For >50 To 100, Deduct	*-76.14*	
		For >100, Deduct	*-115.20*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	834.25	16.49
		For >50 To 100, Deduct	*-80.13*	
		For >100, Deduct	*-121.18*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	590.18	16.49
		For >50 To 100, Deduct	*-55.72*	
		For >100, Deduct	*-84.57*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	599.57	16.49
		For >50 To 100, Deduct	*-56.66*	
		For >100, Deduct	*-85.98*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	613.65	16.49
		For >50 To 100, Deduct	*-58.07*	
		For >100, Deduct	*-88.09*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	608.96	16.49
		For >50 To 100, Deduct	*-57.60*	
		For >100, Deduct	*-87.39*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	634.01	16.49
		For >50 To 100, Deduct	*-60.10*	
		For >100, Deduct	*-91.14*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	693.48	16.49
		For >50 To 100, Deduct	*-66.05*	
		For >100, Deduct	*-100.06*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	615.23	16.49
		For >50 To 100, Deduct	*-58.23*	
		For >100, Deduct	*-88.33*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	645.52	16.49
		For >50 To 100, Deduct	*-61.25*	
		For >100, Deduct	*-92.87*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	699.75	16.49
		For >50 To 100, Deduct	*-66.68*	
		For >100, Deduct	*-101.00*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	611.72	16.49
		For >50 To 100, Deduct	*-57.87*	
		For >100, Deduct	*-87.80*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	660.75	16.49
		For >50 To 100, Deduct	*-62.78*	
		For >100, Deduct	*-95.15*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	674.76	16.49
		For >50 To 100, Deduct	*-64.18*	
		For >100, Deduct	*-97.26*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	668.94	16.49
		For >50 To 100, Deduct	*-63.60*	
		For >100, Deduct	*-96.38*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	701.44	16.49
		For >50 To 100, Deduct	*-66.85*	
		For >100, Deduct	*-101.26*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	707.79	16.49
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-102.21*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	742.14	16.49
		For >50 To 100, Deduct	*-70.92*	
		For >100, Deduct	*-107.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	776.50	16.49
		For >50 To 100, Deduct	*-74.35*	
		For >100, Deduct	*-112.52*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	712.53	17.01
		For >50 To 100, Deduct	*-67.85*	
		For >100, Deduct	*-102.80*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	746.88	17.01
		For >50 To 100, Deduct	*-71.29*	
		For >100, Deduct	*-107.95*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	764.79	17.01
		For >50 To 100, Deduct	*-73.08*	
		For >100, Deduct	*-110.64*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	757.13	17.01
		For >50 To 100, Deduct	*-72.31*	
		For >100, Deduct	*-109.49*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	793.36	17.01
		For >50 To 100, Deduct	*-75.93*	
		For >100, Deduct	*-114.92*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	829.58	17.01
		For >50 To 100, Deduct	*-79.56*	
		For >100, Deduct	*-120.35*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	763.61	17.01
		For >50 To 100, Deduct	*-72.96*	
		For >100, Deduct	*-110.46*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	839.80	17.01
		For >50 To 100, Deduct	*-80.58*	
		For >100, Deduct	*-121.89*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	877.86	17.01
		For >50 To 100, Deduct	*-84.38*	
		For >100, Deduct	*-127.60*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	579.48	17.01
		For >50 To 100, Deduct	*-54.55*	
		For >100, Deduct	*-82.84*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	605.26	17.01
		For >50 To 100, Deduct	*-57.12*	
		For >100, Deduct	*-86.71*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	628.89	17.01
		For >50 To 100, Deduct	*-59.49*	
		For >100, Deduct	*-90.25*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	633.47	17.01
		For >50 To 100, Deduct	*-59.95*	
		For >100, Deduct	*-90.94*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	688.55	17.01
		For >50 To 100, Deduct	*-65.45*	
		For >100, Deduct	*-99.20*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	688.81	17.01
		For >50 To 100, Deduct	*-65.48*	
		For >100, Deduct	*-99.24*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	718.86	17.01
		For >50 To 100, Deduct	*-68.48*	
		For >100, Deduct	*-103.75*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	749.04	17.01
		For >50 To 100, Deduct	*-71.50*	
		For >100, Deduct	*-108.27*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	779.20	17.01
		For >50 To 100, Deduct	*-74.52*	
		For >100, Deduct	*-112.80*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	754.95	17.01
		For >50 To 100, Deduct	*-72.09*	
		For >100, Deduct	*-109.16*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	786.84	17.01
		For >50 To 100, Deduct	*-75.28*	
		For >100, Deduct	*-113.94*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	818.73	17.01
		For >50 To 100, Deduct	*-78.47*	
		For >100, Deduct	*-118.73*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	759.39	17.52
		For >50 To 100, Deduct	*-72.44*	
		For >100, Deduct	*-109.70*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	791.30	17.52
		For >50 To 100, Deduct	*-75.63*	
		For >100, Deduct	*-114.49*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	813.70	17.52
		For >50 To 100, Deduct	*-77.87*	
		For >100, Deduct	*-117.85*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	800.80	17.52
		For >50 To 100, Deduct	*-76.58*	
		For >100, Deduct	*-115.92*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	810.92	17.52
		For >50 To 100, Deduct	*-77.59*	
		For >100, Deduct	*-117.43*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	847.37	17.52
		For >50 To 100, Deduct	*-81.23*	
		For >100, Deduct	*-122.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	786.32	17.52
		For >50 To 100, Deduct	*-75.13*	
		For >100, Deduct	*-113.74*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	860.44	17.52
		For >50 To 100, Deduct	*-82.54*	
		For >100, Deduct	*-124.86*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	912.91	17.52
		For >50 To 100, Deduct	*-87.79*	
		For >100, Deduct	*-132.73*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	678.32	17.52
		For >50 To 100, Deduct	*-64.33*	
		For >100, Deduct	*-97.54*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	699.24	17.52
		For >50 To 100, Deduct	*-66.42*	
		For >100, Deduct	*-100.68*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	737.81	17.52
		For >50 To 100, Deduct	*-70.28*	
		For >100, Deduct	*-106.47*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	733.10	17.52
		For >50 To 100, Deduct	*-69.81*	
		For >100, Deduct	*-105.76*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	783.07	17.52
		For >50 To 100, Deduct	*-74.80*	
		For >100, Deduct	*-113.26*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	798.83	17.52
		For >50 To 100, Deduct	*-76.38*	
		For >100, Deduct	*-115.62*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	791.01	17.52
		For >50 To 100, Deduct	*-75.60*	
		For >100, Deduct	*-114.45*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	817.62	17.52
		For >50 To 100, Deduct	*-78.26*	
		For >100, Deduct	*-118.44*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	894.32	17.52
		For >50 To 100, Deduct	*-85.93*	
		For >100, Deduct	*-129.94*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	785.70	18.04
		For >50 To 100, Deduct	*-74.96*	
		For >100, Deduct	*-113.53*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	822.79	18.04
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-119.09*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	827.63	18.04
		For >50 To 100, Deduct	*-79.16*	
		For >100, Deduct	*-119.82*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	874.37	18.04
		For >50 To 100, Deduct	*-83.83*	
		For >100, Deduct	*-126.83*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	831.12	18.04
		For >50 To 100, Deduct	*-79.51*	
		For >100, Deduct	*-120.34*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	870.30	18.04
		For >50 To 100, Deduct	*-83.42*	
		For >100, Deduct	*-126.22*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	829.62	18.04
		For >50 To 100, Deduct	*-79.36*	
		For >100, Deduct	*-120.11*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	876.57	18.04
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-127.16*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	946.92	18.04
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-137.71*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	740.57	17.77
		For >50 To 100, Deduct	*-70.50*	
		For >100, Deduct	*-106.82*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	766.48	17.77
		For >50 To 100, Deduct	*-73.09*	
		For >100, Deduct	*-110.70*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	792.38	17.77
		For >50 To 100, Deduct	*-75.68*	
		For >100, Deduct	*-114.59*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	775.89	17.77
		For >50 To 100, Deduct	*-74.03*	
		For >100, Deduct	*-112.12*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	822.28	17.77
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-119.07*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	844.74	17.77
		For >50 To 100, Deduct	*-80.92*	
		For >100, Deduct	*-122.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	836.92	17.77
		For >50 To 100, Deduct	*-80.14*	
		For >100, Deduct	*-121.27*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	861.96	17.77
		For >50 To 100, Deduct	*-82.64*	
		For >100, Deduct	*-125.03*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	943.36	17.77
		For >50 To 100, Deduct	*-90.78*	
		For >100, Deduct	*-137.24*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	810.39	18.29
		For >50 To 100, Deduct	*-77.38*	
		For >100, Deduct	*-117.17*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	839.44	18.29
		For >50 To 100, Deduct	*-80.29*	
		For >100, Deduct	*-121.53*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	868.47	18.29
		For >50 To 100, Deduct	*-83.19*	
		For >100, Deduct	*-125.88*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	858.31	18.29
		For >50 To 100, Deduct	*-82.17*	
		For >100, Deduct	*-124.36*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	878.74	18.29
		For >50 To 100, Deduct	*-84.22*	
		For >100, Deduct	*-127.42*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	909.33	18.29
		For >50 To 100, Deduct	*-87.27*	
		For >100, Deduct	*-132.01*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	885.82	18.29
		For >50 To 100, Deduct	*-84.92*	
		For >100, Deduct	*-128.48*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	920.90	18.29
		For >50 To 100, Deduct	*-88.43*	
		For >100, Deduct	*-133.74*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	961.61	18.29
		For >50 To 100, Deduct	*-92.50*	
		For >100, Deduct	*-139.85*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	859.46	18.04
		For >50 To 100, Deduct	*-82.34*	
		For >100, Deduct	*-124.59*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	841.56	18.55
		For >50 To 100, Deduct	*-80.45*	
		For >100, Deduct	*-121.78*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	870.56	18.55
		For >50 To 100, Deduct	*-83.35*	
		For >100, Deduct	*-126.13*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	889.92	18.55
		For >50 To 100, Deduct	*-85.28*	
		For >100, Deduct	*-129.04*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	928.60	18.55
		For >50 To 100, Deduct	*-89.15*	
		For >100, Deduct	*-134.84*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	939.89	18.55
		For >50 To 100, Deduct	*-90.28*	
		For >100, Deduct	*-136.53*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	947.95	18.55
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-137.74*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	951.16	18.55
		For >50 To 100, Deduct	*-91.41*	
		For >100, Deduct	*-138.22*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	986.63	18.55
		For >50 To 100, Deduct	*-94.95*	
		For >100, Deduct	*-143.54*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.39	18.55
		For >50 To 100, Deduct	*-99.63*	
		For >100, Deduct	*-150.56*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	37.63

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	41.80

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	102.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0140		**Venting Options For Solid Plastic Locker Doors** *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	41.86	
10 51 26 00-0142		**Filler Panels For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	96.60	
		Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144		**Locker Accessories For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers	10.46	
		Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	31.40	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	41.86	
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	110.86	2.57
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	86.90	2.57
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	136.88	2.57
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	130.47	2.57
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	99.61	2.57
10 55		**Postal Specialties** *(10 50)*		
10 55 23		**Mail Boxes** *(10 55)*		
10 55 23 23		**Residential Mail Boxes** *(10 55 23)*		
10 55 23 23-0001		Residential Mail Boxes *(10 55 23 23)*		
10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	102.71	5.80
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	150.66	5.80
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	79.48	5.16
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	108.97	6.45
10 55 23 26		**Commercial Mail Boxes** *(10 55 23)*		
10 55 23 26-0001		Commercial Letter Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	407.92	7.73
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	475.20	7.73
10 55 23 26-0004		Commercial Horizontal Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	67.66	7.73
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	154.16	10.31
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	92.64	7.73
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	143.12	10.31
10 55 23 26-0009		Commercial Cluster Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5)	2,167.09	15.45
		Note: Any door combination.		
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8)	2,560.90	20.61
		Note: Any door combination.		
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,233.76	20.61
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,345.89	20.61
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,514.10	20.61
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,630.23	20.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	2,944.36	20.61
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,078.92	20.61

10 55 26 Parcel Lockers *(10 55)*

10 55 26 00-0001 Parcel Lockers *(10 55 26)*

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,599.67	15.45
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,895.43	20.61

10 56 Storage Assemblies *(10 50)*

10 56 13 Metal Storage Shelving *(10 56)*

10 56 13 13 End-Panel-Support Metal Storage Shelving *(10 56 13)*

10 56 13 13-0001 Residential Wire Shelving *(10 56 13 13)*
Note: Includes brackets and hardware.

10 56 13 13-0002	LF	12" Deep, Wire Shelving For Closets	22.46	4.18
10 56 13 13-0003	LF	16" Deep, Wire Shelving For Closets	25.99	4.18
10 56 13 13-0004	LF	20" Deep, Wire Shelving For Closets	29.53	4.18

10 56 13 16 Post-And-Shelf Metal Storage Shelving *(10 56 13)*

10 56 13 16-0001 Baked Enamel Steel Shelving *(10 56 13 16)*

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	136.34	9.91
		For >75" To 87" High, Add	*12.76*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	135.22	10.42
		For >75" To 87" High, Add	*12.59*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	126.79	11.40
		For >75" To 87" High, Add	*11.67*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	166.87	12.40
		For >75" To 87" High, Add	*15.61*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	188.59	12.90
		For >75" To 87" High, Add	*17.71*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	178.77	13.88
		For >75" To 87" High, Add	*16.66*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	200.25	14.88
		For >75" To 87" High, Add	*18.73*	
10 56 13 16-0010	LF	Removal And Reinstallation Of 7 Shelf Metal Storage Shelving Unit	40.70	

10 56 13 16-0011 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*
Note: Adjustable shelves.

10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	103.99	5.05
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	101.84	5.40
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	115.24	5.75
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	119.55	6.10
10 56 13 16-0016	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	138.96	6.50
10 56 13 16-0017	LF	Removal And Reinstallation Of 3 Shelf Metal Storage Shelving Unit	17.30	

10 56 13 16-0018 4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*

10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	115.66	9.91
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	88.94	10.42
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	103.22	11.40
10 56 13 16-0022	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	108.57	12.40
10 56 13 16-0023	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	125.87	12.90
10 56 13 16-0024	LF	Removal And Reinstallation Of 4 Shelf Metal Storage Shelving Unit	19.65	

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*
Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	13.01	1.31
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	14.02	1.57
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	14.32	2.62
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0006		**Wood Shelving, White Pine, Clear Grade, Wall Mounted** *(10 56 16 00-0001)*		
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	9.97	3.15
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	11.16	3.36
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	12.47	3.62
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	17.41	
10 56 16 00-0011		**Plywood Shelf With Edge Band** *(10 56 16 00-0001)*		
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	13.88	3.15
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	23.98	3.93
10 56 16 00-0014		**Adjustable Shelf And Rod** *(10 56 16 00-0001)*		
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	162.07	11.80
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	186.79	15.73
10 56 16 00-0017		**Prefinished Wood Shelves With Brackets And Supports** *(10 56 16 00-0001)*		
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	11.01	3.15
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	12.10	3.36
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	40.49	5.24
10 56 16 00-0021		**Wood Shelving, Oak, Clear Grade, Wall Mounted** *(10 56 16 00-0001)*		
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	13.43	4.93

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001		**Galvanized Steel, Wall Mounted Solid Shelving** *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	80.25	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	83.63	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	91.46	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	101.57	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	104.07	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	125.74	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0008		**304 Stainless Steel, Wall Mounted Solid Shelving** *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	141.67	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	157.01	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	172.42	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	207.84	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	228.80	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	259.08	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0015		**Laminated Particleboard, Wall Mounted Solid Shelving** *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	48.36	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	50.65	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	53.41	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	57.41	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	62.27	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	75.32	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0022		Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*		
		Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	78.11	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	89.92	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0025		Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*		
		Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	206.40	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	215.44	5.15
		For Installation On Concrete Walls, Add	*0.81*	
		For Installation On Concrete Block Walls, Add	*3.09*	
10 56 17 00-0028		Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*		
		Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	41.78	5.15
		For Installation On Concrete Walls, Add	*1.38*	
		For Installation On Concrete Block Walls, Add	*3.66*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	43.13	5.15
		For Installation On Concrete Walls, Add	*1.40*	
		For Installation On Concrete Block Walls, Add	*3.68*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	43.94	5.15
		For Installation On Concrete Walls, Add	*1.41*	
		For Installation On Concrete Block Walls, Add	*3.69*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	47.16	5.15
		For Installation On Concrete Walls, Add	*1.44*	
		For Installation On Concrete Block Walls, Add	*3.72*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	48.82	5.15
		For Installation On Concrete Walls, Add	*1.45*	
		For Installation On Concrete Block Walls, Add	*3.73*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	53.78	5.15
		For Installation On Concrete Walls, Add	*1.49*	
		For Installation On Concrete Block Walls, Add	*3.77*	
10 56 17 00-0035		Wall Mounted Shelving Accessories *(10 56 17)*		
10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	16.24	
10 56 29		**Storage Racks** *(10 56)*		
10 56 29 13		**Flow Storage Racks** *(10 56 29)*		
10 56 29 13-0001		Steel Record Storage Rack *(10 56 29 13)*		
		Note: Includes 5/8" particleboard decking.		
10 56 29 13-0002	SF	16" Depth Record Storage Racks	15.50	0.70
		Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.		
10 56 29 13-0003	SF	24" Depth Record Storage Racks	11.26	0.52
		Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.		
10 56 29 13-0004	SF	34" Depth Record Storage Racks	9.48	0.42
		Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.		
10 56 29 16		**Pallet Storage Racks** *(10 56 29)*		
10 56 29 16-0001		Dry Storage Pallet Racks *(10 56 29 16)*		
		Note: Excludes decking.		
10 56 29 16-0002		18,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*		
10 56 29 16-0003	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb.	15.71	0.89
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0004	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb.	17.02	1.05
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0005	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.51	1.19
10 56 29 16-0006	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.64	0.82
10 56 29 16-0007	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.78	0.94
10 56 29 16-0008	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.08	1.09
10 56 29 16-0009	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	12.03	0.75
10 56 29 16-0010	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.02	0.87
10 56 29 16-0011	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.22	0.99
10 56 29 16-0012		**24,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		
10 56 29 16-0013	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.28	1.02
10 56 29 16-0014	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.84	1.09
10 56 29 16-0015	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.40	1.37
10 56 29 16-0016	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.19	0.94
10 56 29 16-0017	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.53	1.09
10 56 29 16-0018	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.97	1.25
10 56 29 16-0019	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	12.55	0.86
10 56 29 16-0020	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.82	0.99
10 56 29 16-0021	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.08	1.14
10 56 29 16-0022		**32,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		
10 56 29 16-0023	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.85	1.18
10 56 29 16-0024	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.61	1.37
10 56 29 16-0025	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	20.38	1.57
10 56 29 16-0026	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.63	1.08
10 56 29 16-0027	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.12	1.24
10 56 29 16-0028	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.71	1.45
10 56 29 16-0029	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	12.90	0.98
10 56 29 16-0030	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.27	1.15
10 56 29 16-0031	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.63	1.31
10 56 29 16-0032		**45,000 Lb. Frame Pallet Racks** *(10 56 29 16-0001)*		
10 56 29 16-0033	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.72	1.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0034	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb.	19.77	1.58
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0035	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb.	21.86	1.81
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0036	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb.	15.38	1.24
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0037	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb.	17.16	1.43
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0038	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb.	19.00	1.66
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0039	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb.	13.59	1.13
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0040	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb.	15.16	1.32
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0041	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb.	16.76	1.51
		Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0042		Pallet Rack Accessories *(10 56 29 16-0001)*		
10 56 29 16-0043	EA	36" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	20.00	
10 56 29 16-0044	EA	42" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	22.50	
10 56 29 16-0045	EA	48" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	25.01	
10 56 29 16-0046	EA	3" Deep, 36" To 48" Long Pallet Support For 32,000 Lb. Pallet Racks	82.79	
10 56 29 16-0047	EA	4" Deep, 36" To 48" Long Pallet Support For 45,000 Lb. Pallet Racks	89.35	
10 56 29 16-0048	LF	36" Deep, Pallet Racks Wire Decking	24.07	
10 56 29 16-0049	LF	42" Deep, Pallet Racks Wire Decking	25.05	
10 56 29 16-0050	LF	48" Deep, Pallet Racks Wire Decking	28.07	
10 56 29 63		**Box Shelving** *(10 56 29)*		
10 56 29 63-0001		Box Shelving *(10 56 29 63)*		
10 56 29 63-0002	EA	48" Wide 60" High X 48" Deep, 9,000 Lb. Capacity, Single Tier Box Shelving	396.97	32.59

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001		Hat And Coat Rack *(10 57 13)*		
10 57 13 00-0002		Single Tier *(10 57 13 00-0001)*		
10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	58.40	2.57
		For Custom Made Units, Add	*30.94*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	36.29	2.57
		For Custom Made Units, Add	*17.67*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	169.71	2.57
		For Custom Made Units, Add	*97.72*	
10 57 13 00-0006		Double Tier *(10 57 13 00-0001)*		
10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	80.15	2.57
		For Custom Made Units, Add	*43.03*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	39.04	2.57
		For Custom Made Units, Add	*18.36*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	302.61	2.57
		For Custom Made Units, Add	*176.50*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001		Dormitory Wardrobe Units *(10 57 43)*		
10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	1,984.22	95.44
		For Custom Made Units, Add	*1,123.73*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,457.45	95.44
		For Custom Made Units, Add	*807.67*	
10 57 43 00-0004		Wardrobe Units *(10 57 43)*		
10 57 43 00-0005		Teachers Wardrobe Units *(10 57 43 00-0004)*		
		Note: Includes shelf, clothes pole and mirror, lockable door and hardware.		
10 57 43 00-0006	CF	Baked Enamel Steel Teacher Wardrobe Unit With Door	42.91	1.88
		For Open Wardrobe Units Without Door, Deduct	*-4.99*	
		For Custom Made Units, Add	*23.12*	
10 57 43 00-0007	CF	Hardwood Teacher Wardrobe Unit With Door	38.39	1.88
		For Open Wardrobe Units Without Door, Deduct	*-4.42*	
		For Custom Made Units, Add	*20.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 43 00-0008	CF	Stainless Steel Teacher Wardrobe Unit With Door	77.23	1.88
		For Open Wardrobe Units Without Door, Deduct	*-9.28*	
		For Custom Made Units, Add	*43.71*	
10 57 43 00-0009	CF	Plastic Laminate Teacher Wardrobe Unit With Door	143.58	1.88
		For Open Wardrobe Units Without Door, Deduct	*-17.57*	
		For Custom Made Units, Add	*83.52*	
10 57 43 00-0010	CF	Birch Veneer Teacher Wardrobe Unit With Door	51.11	1.88
		For Open Wardrobe Units Without Door, Deduct	*-6.01*	
		For Custom Made Units, Add	*28.04*	
10 57 43 00-0011	CF	Oak Veneer Teacher Wardrobe Unit With Door	72.93	1.88
		For Open Wardrobe Units Without Door, Deduct	*-8.74*	
		For Custom Made Units, Add	*41.13*	
10 57 43 00-0012	CF	Walnut Veneer Teacher Wardrobe Unit With Door	83.81	1.88
		For Open Wardrobe Units Without Door, Deduct	*-10.10*	
		For Custom Made Units, Add	*47.66*	
10 57 43 00-0013		**Students Wardrobe Units** *(10 57 43 00-0004)*		
		Note: With continuous shelf, two rows of coat hooks, door and hardware.		
10 57 43 00-0014	CF	Baked Enamel Steel Student Wardrobe Unit With Door	40.25	1.88
		For Open Wardrobe Units Without Door, Deduct	*-4.66*	
		For Custom Made Units, Add	*21.52*	
10 57 43 00-0015	CF	Hardwood Student Wardrobe Unit With Door	36.07	1.88
		For Open Wardrobe Units Without Door, Deduct	*-4.13*	
		For Custom Made Units, Add	*19.01*	
10 57 43 00-0016	CF	Stainless Steel Student Wardrobe Unit With Door	72.01	1.88
		For Open Wardrobe Units Without Door, Deduct	*-8.63*	
		For Custom Made Units, Add	*40.58*	
10 57 43 00-0017	CF	Plastic Laminate Student Wardrobe Unit With Door	133.38	1.88
		For Open Wardrobe Units Without Door, Deduct	*-16.30*	
		For Custom Made Units, Add	*77.40*	
10 57 43 00-0018	CF	Birch Veneer Student Wardrobe Unit With Door	47.84	1.88
		For Open Wardrobe Units Without Door, Deduct	*-5.60*	
		For Custom Made Units, Add	*26.08*	
10 57 43 00-0019	CF	Oak Veneer Student Wardrobe Unit With Door	67.99	1.88
		For Open Wardrobe Units Without Door, Deduct	*-8.12*	
		For Custom Made Units, Add	*38.17*	
10 57 43 00-0020	CF	Walnut Veneer Student Wardrobe Unit With Door	78.08	1.88
		For Open Wardrobe Units Without Door, Deduct	*-9.38*	
		For Custom Made Units, Add	*44.22*	
10 57 43 00-0021		**Materials Cabinet Units** *(10 57 43 00-0004)*		
		Note: With multiple shelves, lockable door and hardware.		
10 57 43 00-0022	CF	Baked Enamel Steel Materials Cabinet Unit With Door	44.50	3.76
10 57 43 00-0023	CF	Hardwood Materials Cabinet Unit With Door	39.78	3.76
10 57 43 00-0024	CF	Stainless Steel Materials Cabinet Unit With Door	80.37	3.76
10 57 43 00-0025	CF	Plastic Laminate Materials Cabinet Unit With Door	149.71	3.76
10 57 43 00-0026	CF	Birch Veneer Materials Cabinet Unit With Door	53.08	3.76
10 57 43 00-0027	CF	Oak Veneer Materials Cabinet Unit With Door	75.87	3.76
10 57 43 00-0028	CF	Walnut Veneer Materials Cabinet Unit With Door	87.24	3.76
10 57 43 00-0029		**Accessories** *(10 57 43 00-0004)*		
10 57 43 00-0030	EA	Single Prong Wardrobe Closet Hooks	46.68	3.86
		Note: Height 1 1/8", Width 1 1/8", satin chrome finish, wall mount, 1" projection.		

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001		**Exterior Shutters, High Impact Resistant Plastic, Unfinished** *(10 71 13 13)*		
10 71 13 13-0002		**Louvered Decorative Shutters** *(10 71 13 13-0001)*		
10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	95.22	15.69
		For Colored Finish, Add	*13.37*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	104.27	16.48
		For Colored Finish, Add	*14.82*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	113.38	17.26
		For Colored Finish, Add	*16.26*	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	121.54	18.05
		For Colored Finish, Add	*17.55*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	130.97	18.83
		For Colored Finish, Add	*19.05*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	140.88	19.61
		For Colored Finish, Add	*20.65*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	147.15	20.40
		For Colored Finish, Add	*21.59*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	154.26	21.18
		For Colored Finish, Add	*22.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	164.33	21.97
		For Colored Finish, Add	*24.31*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	178.31	22.75
		For Colored Finish, Add	*26.63*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	184.17	23.54
		For Colored Finish, Add	*27.50*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	202.09	24.33
		For Colored Finish, Add	*30.54*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	207.86	25.11
		For Colored Finish, Add	*31.39*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	219.90	25.89
		For Colored Finish, Add	*33.37*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	143.30	17.26
		For Colored Finish, Add	*21.65*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	154.48	18.05
		For Colored Finish, Add	*23.48*	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	161.30	18.83
		For Colored Finish, Add	*24.51*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	172.85	19.61
		For Colored Finish, Add	*26.41*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	182.55	20.40
		For Colored Finish, Add	*27.96*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	191.60	21.18
		For Colored Finish, Add	*29.40*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	204.42	21.97
		For Colored Finish, Add	*31.52*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	221.83	22.75
		For Colored Finish, Add	*34.47*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	233.58	23.54
		For Colored Finish, Add	*36.39*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	246.99	24.33
		For Colored Finish, Add	*38.62*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	250.41	25.11
		For Colored Finish, Add	*39.05*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	259.66	25.89
		For Colored Finish, Add	*40.53*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

10 71 13 13-0031 12" Width *(10 71 13 13-0030)*

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	488.44	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	527.21	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	564.92	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	603.68	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	641.40	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	683.21	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	720.93	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	758.65	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	797.39	25.11
		For Arched Tops, Add	*150.00*	

10 71 13 13-0041 14" Width *(10 71 13 13-0030)*

10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	519.00	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	563.88	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	607.71	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	652.57	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	696.40	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	741.27	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	785.10	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	825.87	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	870.73	25.11
		For Arched Tops, Add	*150.00*	

10 71 13 13-0051 16" Width *(10 71 13 13-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	552.61	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	600.55	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	650.49	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	698.40	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	748.35	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	799.33	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	846.21	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	896.15	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	947.12	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	583.17	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	637.22	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	693.27	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	747.30	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	800.29	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	857.37	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	910.38	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	966.43	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,020.46	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	613.73	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	673.88	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	732.99	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	796.19	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	855.29	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	915.44	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	974.55	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,033.66	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,093.80	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		**Heavy-Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0082		**12" Width** *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	507.64	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	541.08	16.48
		For Arched Tops, Add	*150.00*	
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	590.74	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	624.18	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	673.82	18.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	723.46	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	756.91	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	806.55	21.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	856.19	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	905.84	22.75
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	939.29	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar	988.93	24.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,022.36	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	573.34	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	612.19	16.48
		For Arched Tops, Add	*150.00*	
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar	669.93	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar	708.78	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	766.52	18.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar	824.26	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar	863.10	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	920.84	21.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar	978.59	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,036.33	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,075.18	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,132.92	24.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,171.76	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	606.19	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	647.73	16.48
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	709.53	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	751.08	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	812.87	18.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	874.65	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	916.20	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	977.99	21.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,039.78	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,101.58	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,143.13	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,204.91	24.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,246.45	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	639.04	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	672.03	16.48
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	749.13	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	793.38	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	859.21	18.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	925.05	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	969.30	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,035.13	21.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,100.98	21.97
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,166.83	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,211.07	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,276.91	24.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,321.15	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	704.73	15.69
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	754.38	16.48
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	828.32	17.26
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	877.97	18.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	951.91	18.83
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,025.84	19.61
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,075.49	20.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,149.43	21.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,223.37	21.97
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,297.32	22.75
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,346.97	23.54
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,420.90	24.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,470.54	25.11
		For Arched Tops, Add	*150.00*	
10 71 13 13-0152		**Exterior Cypress Fixed Louver Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0153		**6" Through 8" Width** *(10 71 13 13-0152)*		
10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	641.36	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	724.61	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	808.10	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	891.98	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	975.91	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,059.82	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,143.71	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,227.62	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,311.54	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,395.41	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,479.33	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,563.25	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,647.17	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,731.08	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0168		**10" Through 12" Width** *(10 71 13 13-0152)*		
10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	751.02	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	849.00	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	947.02	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,045.56	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,144.07	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,242.62	18.05
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,341.15	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,439.65	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,538.19	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,636.73	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,735.24	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,833.78	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,932.29	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,030.83	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0183		**14" Through 16" Width** *(10 71 13 13-0152)*		
10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	994.72	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,125.22	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,255.69	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,386.72	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,517.75	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,648.79	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,779.81	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,910.83	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,911.88	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,172.88	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,303.91	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,434.91	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,565.94	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,696.96	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0198		**18" Through 20" Width** *(10 71 13 13-0152)*		
10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,116.56	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,263.32	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,410.05	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,555.97	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,704.60	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,851.89	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,999.14	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,146.42	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,293.68	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,440.96	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,588.21	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,735.51	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,882.76	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,030.05	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0213		**22" Through 24" Width** *(10 71 13 13-0152)*		
10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,482.13	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,677.60	15.33
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,873.11	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,069.12	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,265.12	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,461.16	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,657.16	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,853.15	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,049.19	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,245.18	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,441.19	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,637.23	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,833.23	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,029.23	24.33
		For Arched Tops, Add	*65.00*	

10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,701.46	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,926.18	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,150.94	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,376.19	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,601.44	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,826.73	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	3,051.97	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,277.22	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,502.51	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,727.71	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,952.97	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,178.26	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,403.51	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,628.72	24.33
		For Arched Tops, Add	*65.00*	

10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	354.65	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	369.84	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	384.84	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	399.90	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	414.90	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	429.96	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	445.08	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	460.25	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	475.33	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	490.44	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	505.51	23.54
		For Arched Tops, Add	*65.00*	

10 71 13 13-0256 14" Width *(10 71 13 13-0243)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	394.96	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	411.99	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	428.71	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	445.62	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	462.37	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	479.09	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	495.96	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	512.83	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	529.59	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	546.42	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	563.34	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0268		**15" Width** *(10 71 13 13-0243)*		
10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	414.65	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	432.35	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	450.12	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	467.75	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	485.47	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	503.16	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	520.90	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	538.55	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	556.21	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	573.87	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	591.61	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	617.62	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0281		**16" Width** *(10 71 13 13-0243)*		
10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	433.40	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	452.71	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	472.21	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	491.63	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	511.08	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	530.50	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	549.81	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	569.30	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	588.72	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	608.18	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	627.61	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	646.91	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294		**18" Width** *(10 71 13 13-0243)*		
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	474.64	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	500.14	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	543.53	18.05
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	587.01	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	630.46	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	726.68	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	753.59	24.33
		For Arched Tops, Add	*65.00*	

10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters *(10 71 13 13)*

10 71 13 13-0303 8" Through 14" Width *(10 71 13 13-0302)*

10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	735.75	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	974.89	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	975.41	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,215.08	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,216.14	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,217.18	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,456.85	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,457.89	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,458.94	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,698.60	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,699.65	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,939.32	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,940.37	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,941.41	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,942.45	25.11
		For Arched Tops, Add	*65.00*	

10 71 13 13-0319 15" Through 16" Width *(10 71 13 13-0302)*

10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	974.37	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	974.89	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,214.04	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,215.09	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,454.76	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,455.81	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,456.85	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,696.51	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,697.56	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,937.22	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,938.27	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,177.95	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,179.00	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,418.66	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,419.70	25.11
		For Arched Tops, Add	*65.00*	

10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	974.37	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,213.52	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,214.04	15.69
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,453.71	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,454.76	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,694.43	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,695.47	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,935.13	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,936.18	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,175.85	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,176.90	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,416.57	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,417.62	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,657.28	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,658.32	25.11
		For Arched Tops, Add	*65.00*	
10 71 13 13-0351		**19" Through 20" Width** *(10 71 13 13-0302)*		
10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,213.00	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,213.52	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,452.66	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,453.71	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,693.38	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,694.43	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,934.09	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,173.76	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,174.81	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,414.47	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,415.52	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,655.19	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,656.24	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,895.91	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,896.95	25.11
		For Arched Tops, Add	*65.00*	
10 71 13 13-0367		**21" Through 22" Width** *(10 71 13 13-0302)*		
10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,213.00	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,213.52	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,452.66	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,692.33	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,693.38	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,933.05	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,934.09	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,173.76	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,413.43	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,414.47	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,654.14	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,655.19	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,894.87	23.54
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,895.91	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,896.95	25.11
		For Arched Tops, Add	*65.00*	
10 71 13 13-0383		22" Through 24" Width *(10 71 13 13-0302)*		
10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,213.00	14.90
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,452.14	15.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,452.66	15.69
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,692.33	16.48
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,932.00	17.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,933.05	18.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,172.72	18.83
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,173.76	19.61
		For Arched Tops, Add	*65.00*	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,413.43	20.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,653.09	21.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,654.14	21.97
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,893.82	22.75
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,894.87	23.54
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,134.53	24.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,135.57	25.11
		For Arched Tops, Add	*65.00*	
10 71 13 13-0399		Accessories *(10 71 13 13)*		
10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	58.90	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	58.90	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	91.73	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	83.45	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	73.96	
10 71 13 13-0405	PR	Acorn Holdback	74.07	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	60.68	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	56.54	
10 71 13 13-0408		Accordion Hurricane Impact Shutter *(10 71 13 13)*		
		Note: Add scaffolding after first floor.		
10 71 13 13-0409	SF	Aluminum Accordion Shutters, Ultraguard	36.97	2.35
10 71 13 13-0410	SF	Aluminum Accordion Shutters, Super Shutters	44.12	2.35
10 71 16		**Storm Panels** *(10 71)*		
10 71 16 13		**Demountable Storm Panels** *(10 71 16)*		
10 71 16 13-0001		Hurricane Panels *(10 71 16 13)*		
10 71 16 13-0002		Aluminum *(10 71 16 13-0001)*		
10 71 16 13-0003	SF	0.040" Aluminum Hurricane Panels	16.85	2.35
10 71 16 13-0004	SF	0.050" Aluminum Hurricane Panels (Miami-Dade Approved)	18.05	2.35
10 71 16 13-0005	SF	0.063" Aluminum Hurricane Panels (Miami-Dade Approved)	20.34	2.35
10 71 16 13-0006		Steel *(10 71 16 13-0001)*		
10 71 16 13-0007	SF	22 Gauge Galvanized Steel Hurricane Panels	15.61	2.35
10 71 16 13-0008	SF	20 Gauge Galvanized Steel Hurricane Panels	16.46	2.35
10 71 16 13-0009		Fiberglass *(10 71 16 13-0001)*		
10 71 16 13-0010	SF	Fiberglass Hurricane Panels	16.30	2.35
10 71 16 13-0011		Bahama Shutters *(10 71 16 13)*		
10 71 16 13-0012		Up To 36" Wide *(10 71 16 13-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0013	EA	9" Wide x 24" High, Architectural Aluminum Bahama Shutter	433.79	3.60
		For Impact Bahama Shutters, Add	*171.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-8.84*	
		For >25 To 50, Deduct	*-17.54*	
		For >50, Deduct	*-26.24*	
10 71 16 13-0014	EA	9" Wide x 30" High, Architectural Aluminum Bahama Shutter	460.29	4.50
		For Impact Bahama Shutters, Add	*181.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-9.41*	
		For >25 To 50, Deduct	*-18.65*	
		For >50, Deduct	*-27.89*	
10 71 16 13-0015	EA	9" Wide x 36" High, Architectural Aluminum Bahama Shutter	486.79	5.39
		For Impact Bahama Shutters, Add	*191.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-9.98*	
		For >25 To 50, Deduct	*-19.75*	
		For >50, Deduct	*-29.53*	
10 71 16 13-0016	EA	9" Wide x 42" High, Architectural Aluminum Bahama Shutter	512.47	5.76
		For Impact Bahama Shutters, Add	*201.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-10.51*	
		For >25 To 50, Deduct	*-20.80*	
		For >50, Deduct	*-31.09*	
10 71 16 13-0017	EA	9" Wide x 48" High, Architectural Aluminum Bahama Shutter	538.85	6.58
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-11.07*	
		For >25 To 50, Deduct	*-21.90*	
		For >50, Deduct	*-32.73*	
10 71 16 13-0018	EA	9" Wide x 54" High, Architectural Aluminum Bahama Shutter	565.23	7.40
		For Impact Bahama Shutters, Add	*221.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-11.64*	
		For >25 To 50, Deduct	*-23.00*	
		For >50, Deduct	*-34.36*	
10 71 16 13-0019	EA	9" Wide x 60" High, Architectural Aluminum Bahama Shutter	591.61	8.23
		For Impact Bahama Shutters, Add	*231.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-12.20*	
		For >25 To 50, Deduct	*-24.10*	
		For >50, Deduct	*-35.99*	
10 71 16 13-0020	EA	9" Wide x 66" High, Architectural Aluminum Bahama Shutter	617.31	8.59
		For Impact Bahama Shutters, Add	*241.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-12.73*	
		For >25 To 50, Deduct	*-25.14*	
		For >50, Deduct	*-37.55*	
10 71 16 13-0021	EA	9" Wide x 72" High, Architectural Aluminum Bahama Shutter	643.63	9.38
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-13.29*	
		For >25 To 50, Deduct	*-26.24*	
		For >50, Deduct	*-39.18*	
10 71 16 13-0022	EA	9" Wide x 78" High, Architectural Aluminum Bahama Shutter	669.18	9.65
		For Impact Bahama Shutters, Add	*261.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-13.82*	
		For >25 To 50, Deduct	*-27.27*	
		For >50, Deduct	*-40.73*	
10 71 16 13-0023	EA	9" Wide x 84" High, Architectural Aluminum Bahama Shutter	695.44	10.39
		For Impact Bahama Shutters, Add	*271.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-14.38*	
		For >25 To 50, Deduct	*-28.36*	
		For >50, Deduct	*-42.35*	
10 71 16 13-0024	EA	9" Wide x 90" High, Architectural Aluminum Bahama Shutter	720.87	10.58
		For Impact Bahama Shutters, Add	*282.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-14.89*	
		For >25 To 50, Deduct	*-29.39*	
		For >50, Deduct	*-43.89*	
10 71 16 13-0025	EA	12" Wide x 24" High, Architectural Aluminum Bahama Shutter	469.13	4.80
		For Impact Bahama Shutters, Add	*184.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-9.60*	
		For >25 To 50, Deduct	*-19.02*	
		For >50, Deduct	*-28.44*	
10 71 16 13-0026	EA	12" Wide x 30" High, Architectural Aluminum Bahama Shutter	504.45	6.00
		For Impact Bahama Shutters, Add	*198.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-10.36*	
		For >25 To 50, Deduct	*-20.49*	
		For >50, Deduct	*-30.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0027	EA	12" Wide x 36" High, Architectural Aluminum Bahama Shutter	539.78	7.20
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-11.12*	
		For >25 To 50, Deduct	*-21.97*	
		For >50, Deduct	*-32.82*	
10 71 16 13-0028	EA	12" Wide x 42" High, Architectural Aluminum Bahama Shutter	574.02	7.68
		For Impact Bahama Shutters, Add	*225.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-11.83*	
		For >25 To 50, Deduct	*-23.36*	
		For >50, Deduct	*-34.90*	
10 71 16 13-0029	EA	12" Wide x 48" High, Architectural Aluminum Bahama Shutter	609.19	8.77
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-12.58*	
		For >25 To 50, Deduct	*-24.83*	
		For >50, Deduct	*-37.08*	
10 71 16 13-0030	EA	12" Wide x 54" High, Architectural Aluminum Bahama Shutter	644.37	9.87
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-13.33*	
		For >25 To 50, Deduct	*-26.29*	
		For >50, Deduct	*-39.25*	
10 71 16 13-0031	EA	12" Wide x 60" High, Architectural Aluminum Bahama Shutter	679.54	10.97
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-14.08*	
		For >25 To 50, Deduct	*-27.76*	
		For >50, Deduct	*-41.43*	
10 71 16 13-0032	EA	12" Wide x 66" High, Architectural Aluminum Bahama Shutter	713.80	11.46
		For Impact Bahama Shutters, Add	*278.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-14.79*	
		For >25 To 50, Deduct	*-29.15*	
		For >50, Deduct	*-43.52*	
10 71 16 13-0033	EA	12" Wide x 72" High, Architectural Aluminum Bahama Shutter	748.90	12.50
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-15.54*	
		For >25 To 50, Deduct	*-30.61*	
		For >50, Deduct	*-45.68*	
10 71 16 13-0034	EA	12" Wide x 78" High, Architectural Aluminum Bahama Shutter	782.97	12.87
		For Impact Bahama Shutters, Add	*305.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-16.24*	
		For >25 To 50, Deduct	*-31.99*	
		For >50, Deduct	*-47.75*	
10 71 16 13-0035	EA	12" Wide x 84" High, Architectural Aluminum Bahama Shutter	817.98	13.85
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-16.98*	
		For >25 To 50, Deduct	*-33.45*	
		For >50, Deduct	*-49.91*	
10 71 16 13-0036	EA	12" Wide x 90" High, Architectural Aluminum Bahama Shutter	851.87	14.10
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*227.49*	
		For >10 To 25, Deduct	*-17.67*	
		For >25 To 50, Deduct	*-34.81*	
		For >50, Deduct	*-51.96*	
10 71 16 13-0037	EA	16" Wide x 24" High, Architectural Aluminum Bahama Shutter	516.23	6.39
		For Impact Bahama Shutters, Add	*202.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-10.61*	
		For >25 To 50, Deduct	*-20.98*	
		For >50, Deduct	*-31.36*	
10 71 16 13-0038	EA	16" Wide x 30" High, Architectural Aluminum Bahama Shutter	563.33	7.99
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-11.63*	
		For >25 To 50, Deduct	*-22.95*	
		For >50, Deduct	*-34.28*	
10 71 16 13-0039	EA	16" Wide x 36" High, Architectural Aluminum Bahama Shutter	610.42	9.59
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-12.64*	
		For >25 To 50, Deduct	*-24.92*	
		For >50, Deduct	*-37.20*	
10 71 16 13-0040	EA	16" Wide x 42" High, Architectural Aluminum Bahama Shutter	656.08	10.23
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-13.58*	
		For >25 To 50, Deduct	*-26.78*	
		For >50, Deduct	*-39.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0041	EA	16" Wide x 48" High, Architectural Aluminum Bahama Shutter	702.99	11.70
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-14.59*	
		For >25 To 50, Deduct	*-28.73*	
		For >50, Deduct	*-42.88*	
10 71 16 13-0042	EA	16" Wide x 54" High, Architectural Aluminum Bahama Shutter	749.87	13.15
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-15.59*	
		For >25 To 50, Deduct	*-30.69*	
		For >50, Deduct	*-45.78*	
10 71 16 13-0043	EA	16" Wide x 60" High, Architectural Aluminum Bahama Shutter	796.76	14.62
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-16.59*	
		For >25 To 50, Deduct	*-32.64*	
		For >50, Deduct	*-48.68*	
10 71 16 13-0044	EA	16" Wide x 66" High, Architectural Aluminum Bahama Shutter	842.46	15.28
		For Impact Bahama Shutters, Add	*327.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-17.54*	
		For >25 To 50, Deduct	*-34.50*	
		For >50, Deduct	*-51.46*	
10 71 16 13-0045	EA	16" Wide x 72" High, Architectural Aluminum Bahama Shutter	889.24	16.66
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-18.53*	
		For >25 To 50, Deduct	*-36.44*	
		For >50, Deduct	*-54.35*	
10 71 16 13-0046	EA	16" Wide x 78" High, Architectural Aluminum Bahama Shutter	934.67	17.15
		For Impact Bahama Shutters, Add	*363.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-19.46*	
		For >25 To 50, Deduct	*-38.29*	
		For >50, Deduct	*-57.11*	
10 71 16 13-0047	EA	16" Wide x 84" High, Architectural Aluminum Bahama Shutter	981.36	18.46
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-20.46*	
		For >25 To 50, Deduct	*-40.22*	
		For >50, Deduct	*-59.99*	
10 71 16 13-0048	EA	16" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,210.95	18.80
		For Impact Bahama Shutters, Add	*473.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-25.06*	
		For >25 To 50, Deduct	*-49.42*	
		For >50, Deduct	*-73.78*	
10 71 16 13-0049	EA	20" Wide x 24" High, Architectural Aluminum Bahama Shutter	563.33	7.99
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-11.63*	
		For >25 To 50, Deduct	*-22.95*	
		For >50, Deduct	*-34.28*	
10 71 16 13-0050	EA	20" Wide x 30" High, Architectural Aluminum Bahama Shutter	622.20	9.99
		For Impact Bahama Shutters, Add	*242.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-12.89*	
		For >25 To 50, Deduct	*-25.41*	
		For >50, Deduct	*-37.93*	
10 71 16 13-0051	EA	20" Wide x 36" High, Architectural Aluminum Bahama Shutter	681.07	11.99
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-14.16*	
		For >25 To 50, Deduct	*-27.87*	
		For >50, Deduct	*-41.58*	
10 71 16 13-0052	EA	20" Wide x 42" High, Architectural Aluminum Bahama Shutter	738.15	12.79
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-15.34*	
		For >25 To 50, Deduct	*-30.20*	
		For >50, Deduct	*-45.06*	
10 71 16 13-0053	EA	20" Wide x 48" High, Architectural Aluminum Bahama Shutter	796.76	14.61
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-16.59*	
		For >25 To 50, Deduct	*-32.64*	
		For >50, Deduct	*-48.68*	
10 71 16 13-0054	EA	20" Wide x 54" High, Architectural Aluminum Bahama Shutter	855.38	16.44
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-17.85*	
		For >25 To 50, Deduct	*-35.08*	
		For >50, Deduct	*-52.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0055	EA	20" Wide x 60" High, Architectural Aluminum Bahama Shutter	914.00	18.27
		For Impact Bahama Shutters, Add	*354.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-19.10*	
		For >25 To 50, Deduct	*-37.52*	
		For >50, Deduct	*-55.94*	
10 71 16 13-0056	EA	20" Wide x 66" High, Architectural Aluminum Bahama Shutter	971.11	19.09
		For Impact Bahama Shutters, Add	*377.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-20.28*	
		For >25 To 50, Deduct	*-39.85*	
		For >50, Deduct	*-59.41*	
10 71 16 13-0057	EA	20" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,029.59	20.83
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-21.53*	
		For >25 To 50, Deduct	*-42.28*	
		For >50, Deduct	*-63.02*	
10 71 16 13-0058	EA	20" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,086.39	21.43
		For Impact Bahama Shutters, Add	*421.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-22.69*	
		For >25 To 50, Deduct	*-44.58*	
		For >50, Deduct	*-66.47*	
10 71 16 13-0059	EA	20" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,144.74	23.08
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-23.93*	
		For >25 To 50, Deduct	*-47.00*	
		For >50, Deduct	*-70.07*	
10 71 16 13-0060	EA	20" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,201.24	23.49
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-25.08*	
		For >25 To 50, Deduct	*-49.28*	
		For >50, Deduct	*-73.48*	
10 71 16 13-0061	EA	24" Wide x 24" High, Architectural Aluminum Bahama Shutter	610.42	9.59
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-12.64*	
		For >25 To 50, Deduct	*-24.92*	
		For >50, Deduct	*-37.20*	
10 71 16 13-0062	EA	24" Wide x 30" High, Architectural Aluminum Bahama Shutter	681.09	12.00
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-14.16*	
		For >25 To 50, Deduct	*-27.87*	
		For >50, Deduct	*-41.59*	
10 71 16 13-0063	EA	24" Wide x 36" High, Architectural Aluminum Bahama Shutter	751.73	14.39
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-15.68*	
		For >25 To 50, Deduct	*-30.82*	
		For >50, Deduct	*-45.97*	
10 71 16 13-0064	EA	24" Wide x 42" High, Architectural Aluminum Bahama Shutter	820.23	15.35
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-17.10*	
		For >25 To 50, Deduct	*-33.61*	
		For >50, Deduct	*-50.13*	
10 71 16 13-0065	EA	24" Wide x 48" High, Architectural Aluminum Bahama Shutter	890.57	17.55
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-18.60*	
		For >25 To 50, Deduct	*-36.54*	
		For >50, Deduct	*-54.49*	
10 71 16 13-0066	EA	24" Wide x 54" High, Architectural Aluminum Bahama Shutter	960.92	19.74
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-20.11*	
		For >25 To 50, Deduct	*-39.47*	
		For >50, Deduct	*-58.84*	
10 71 16 13-0067	EA	24" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,031.25	21.93
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-21.61*	
		For >25 To 50, Deduct	*-42.40*	
		For >50, Deduct	*-63.19*	
10 71 16 13-0068	EA	24" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,099.78	22.92
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-23.03*	
		For >25 To 50, Deduct	*-45.19*	
		For >50, Deduct	*-67.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0069	EA	24" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,169.97	25.00
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-24.52*	
		For >25 To 50, Deduct	*-48.11*	
		For >50, Deduct	*-71.70*	
10 71 16 13-0070	EA	24" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,238.11	25.73
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-25.92*	
		For >25 To 50, Deduct	*-50.87*	
		For >50, Deduct	*-75.83*	
10 71 16 13-0071	EA	24" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,308.13	27.71
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-27.41*	
		For >25 To 50, Deduct	*-53.78*	
		For >50, Deduct	*-80.15*	
10 71 16 13-0072	EA	24" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,375.93	28.21
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.96*	
		For >10 To 25, Deduct	*-28.79*	
		For >25 To 50, Deduct	*-56.52*	
		For >50, Deduct	*-84.25*	
10 71 16 13-0073	EA	28" Wide x 24" High, Architectural Aluminum Bahama Shutter	655.12	9.59
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-13.53*	
		For >25 To 50, Deduct	*-26.71*	
		For >50, Deduct	*-39.88*	
10 71 16 13-0074	EA	28" Wide x 30" High, Architectural Aluminum Bahama Shutter	739.95	14.00
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-15.43*	
		For >25 To 50, Deduct	*-30.33*	
		For >50, Deduct	*-45.24*	
10 71 16 13-0075	EA	28" Wide x 36" High, Architectural Aluminum Bahama Shutter	822.38	16.79
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-17.20*	
		For >25 To 50, Deduct	*-33.78*	
		For >50, Deduct	*-50.35*	
10 71 16 13-0076	EA	28" Wide x 42" High, Architectural Aluminum Bahama Shutter	902.29	17.91
		For Impact Bahama Shutters, Add	*350.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-18.85*	
		For >25 To 50, Deduct	*-37.03*	
		For >50, Deduct	*-55.21*	
10 71 16 13-0077	EA	28" Wide x 48" High, Architectural Aluminum Bahama Shutter	984.36	20.46
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-20.61*	
		For >25 To 50, Deduct	*-40.45*	
		For >50, Deduct	*-60.29*	
10 71 16 13-0078	EA	28" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,066.42	23.03
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-22.36*	
		For >25 To 50, Deduct	*-43.87*	
		For >50, Deduct	*-65.37*	
10 71 16 13-0079	EA	28" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,148.49	25.59
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-24.12*	
		For >25 To 50, Deduct	*-47.28*	
		For >50, Deduct	*-70.44*	
10 71 16 13-0080	EA	28" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,228.44	26.73
		For Impact Bahama Shutters, Add	*475.34*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-25.77*	
		For >25 To 50, Deduct	*-50.54*	
		For >50, Deduct	*-75.31*	
10 71 16 13-0081	EA	28" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,310.32	29.17
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-27.52*	
		For >25 To 50, Deduct	*-53.94*	
		For >50, Deduct	*-80.37*	
10 71 16 13-0082	EA	28" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,389.82	30.01
		For Impact Bahama Shutters, Add	*537.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-29.15*	
		For >25 To 50, Deduct	*-57.17*	
		For >50, Deduct	*-85.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0083	EA	28" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,471.51	32.33
		For Impact Bahama Shutters, Add	*569.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-30.88*	
		For >25 To 50, Deduct	*-60.56*	
		For >50, Deduct	*-90.23*	
10 71 16 13-0084	EA	28" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,550.61	32.90
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-32.49*	
		For >25 To 50, Deduct	*-63.75*	
		For >50, Deduct	*-95.01*	
10 71 16 13-0085	EA	32" Wide x 24" High, Architectural Aluminum Bahama Shutter	704.63	12.80
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-14.67*	
		For >25 To 50, Deduct	*-28.86*	
		For >50, Deduct	*-43.05*	
10 71 16 13-0086	EA	32" Wide x 30" High, Architectural Aluminum Bahama Shutter	798.82	15.99
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-16.70*	
		For >25 To 50, Deduct	*-32.79*	
		For >50, Deduct	*-48.89*	
10 71 16 13-0087	EA	32" Wide x 36" High, Architectural Aluminum Bahama Shutter	893.03	19.19
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-18.72*	
		For >25 To 50, Deduct	*-36.73*	
		For >50, Deduct	*-54.73*	
10 71 16 13-0088	EA	32" Wide x 42" High, Architectural Aluminum Bahama Shutter	984.36	20.46
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-20.61*	
		For >25 To 50, Deduct	*-40.45*	
		For >50, Deduct	*-60.29*	
10 71 16 13-0089	EA	32" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,078.14	23.39
		For Impact Bahama Shutters, Add	*417.23*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-22.61*	
		For >25 To 50, Deduct	*-44.35*	
		For >50, Deduct	*-66.09*	
10 71 16 13-0090	EA	32" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,171.94	26.32
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-24.62*	
		For >25 To 50, Deduct	*-48.26*	
		For >50, Deduct	*-71.89*	
10 71 16 13-0091	EA	32" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,265.73	29.24
		For Impact Bahama Shutters, Add	*488.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-26.63*	
		For >25 To 50, Deduct	*-52.16*	
		For >50, Deduct	*-77.70*	
10 71 16 13-0092	EA	32" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,357.10	30.56
		For Impact Bahama Shutters, Add	*524.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-28.52*	
		For >25 To 50, Deduct	*-55.89*	
		For >50, Deduct	*-83.26*	
10 71 16 13-0093	EA	32" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,450.68	33.34
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-30.51*	
		For >25 To 50, Deduct	*-59.78*	
		For >50, Deduct	*-89.04*	
10 71 16 13-0094	EA	32" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,541.54	34.30
		For Impact Bahama Shutters, Add	*596.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-32.37*	
		For >25 To 50, Deduct	*-63.46*	
		For >50, Deduct	*-94.55*	
10 71 16 13-0095	EA	32" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,634.90	36.95
		For Impact Bahama Shutters, Add	*631.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-34.36*	
		For >25 To 50, Deduct	*-67.33*	
		For >50, Deduct	*-100.31*	
10 71 16 13-0096	EA	32" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,725.30	37.61
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-36.20*	
		For >25 To 50, Deduct	*-70.99*	
		For >50, Deduct	*-105.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0097	EA	36" Wide x 24" High, Architectural Aluminum Bahama Shutter	751.73	14.39
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-15.68*	
		For >25 To 50, Deduct	*-30.82*	
		For >50, Deduct	*-45.97*	
10 71 16 13-0098	EA	36" Wide x 30" High, Architectural Aluminum Bahama Shutter	857.70	18.00
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-17.96*	
		For >25 To 50, Deduct	*-35.25*	
		For >50, Deduct	*-52.54*	
10 71 16 13-0099	EA	36" Wide x 36" High, Architectural Aluminum Bahama Shutter	963.69	21.59
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-20.24*	
		For >25 To 50, Deduct	*-39.68*	
		For >50, Deduct	*-59.12*	
10 71 16 13-0100	EA	36" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,066.42	23.03
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-22.36*	
		For >25 To 50, Deduct	*-43.87*	
		For >50, Deduct	*-65.37*	
10 71 16 13-0101	EA	36" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,171.94	26.32
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-24.62*	
		For >25 To 50, Deduct	*-48.26*	
		For >50, Deduct	*-71.89*	
10 71 16 13-0102	EA	36" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,277.46	29.61
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-26.88*	
		For >25 To 50, Deduct	*-52.65*	
		For >50, Deduct	*-78.42*	
10 71 16 13-0103	EA	36" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,382.96	32.90
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-29.14*	
		For >25 To 50, Deduct	*-57.04*	
		For >50, Deduct	*-84.95*	
10 71 16 13-0104	EA	36" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,485.77	34.38
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-31.26*	
		For >25 To 50, Deduct	*-61.23*	
		For >50, Deduct	*-91.21*	
10 71 16 13-0105	EA	36" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,591.04	37.50
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-33.51*	
		For >25 To 50, Deduct	*-65.61*	
		For >50, Deduct	*-97.71*	
10 71 16 13-0106	EA	36" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,693.26	38.59
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-35.60*	
		For >25 To 50, Deduct	*-69.76*	
		For >50, Deduct	*-103.91*	
10 71 16 13-0107	EA	36" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,798.29	41.56
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-37.84*	
		For >25 To 50, Deduct	*-74.11*	
		For >50, Deduct	*-110.39*	
10 71 16 13-0108	EA	36" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,899.98	42.31
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*274.44*	
		For >10 To 25, Deduct	*-39.90*	
		For >25 To 50, Deduct	*-78.22*	
		For >50, Deduct	*-116.54*	

10 71 16 13-0109 >36" To 60" Wide *(10 71 16 13-0011)*

10 71 16 13-0110	EA	42" Wide x 24" High, Architectural Aluminum Bahama Shutter	820.37	15.44
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-17.10*	
		For >25 To 50, Deduct	*-33.63*	
		For >50, Deduct	*-50.15*	
10 71 16 13-0111	EA	42" Wide x 30" High, Architectural Aluminum Bahama Shutter	943.50	19.31
		For Impact Bahama Shutters, Add	*365.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-19.74*	
		For >25 To 50, Deduct	*-38.75*	
		For >50, Deduct	*-57.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0112	EA	42" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,066.64	23.17
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-22.38*	
		For >25 To 50, Deduct	*-43.88*	
		For >50, Deduct	*-65.39*	
10 71 16 13-0113	EA	42" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,186.30	24.72
		For Impact Bahama Shutters, Add	*459.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-24.84*	
		For >25 To 50, Deduct	*-48.75*	
		For >50, Deduct	*-72.66*	
10 71 16 13-0114	EA	42" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,308.94	28.25
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-27.45*	
		For >25 To 50, Deduct	*-53.84*	
		For >50, Deduct	*-80.23*	
10 71 16 13-0115	EA	42" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,431.57	31.78
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-30.06*	
		For >25 To 50, Deduct	*-58.93*	
		For >50, Deduct	*-87.80*	
10 71 16 13-0116	EA	42" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,554.22	35.31
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-32.67*	
		For >25 To 50, Deduct	*-64.02*	
		For >50, Deduct	*-95.37*	
10 71 16 13-0117	EA	42" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,673.95	36.90
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-35.14*	
		For >25 To 50, Deduct	*-68.89*	
		For >50, Deduct	*-102.65*	
10 71 16 13-0118	EA	42" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,796.32	40.25
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-37.74*	
		For >25 To 50, Deduct	*-73.97*	
		For >50, Deduct	*-110.19*	
10 71 16 13-0119	EA	42" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,915.43	41.43
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-40.17*	
		For >25 To 50, Deduct	*-78.79*	
		For >50, Deduct	*-117.41*	
10 71 16 13-0120	EA	42" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,037.55	44.61
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-42.76*	
		For >25 To 50, Deduct	*-83.84*	
		For >50, Deduct	*-124.93*	
10 71 16 13-0121	EA	42" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,156.09	45.42
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-45.16*	
		For >25 To 50, Deduct	*-88.63*	
		For >50, Deduct	*-132.09*	
10 71 16 13-0122	EA	48" Wide x 24" High, Architectural Aluminum Bahama Shutter	890.73	17.65
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-18.61*	
		For >25 To 50, Deduct	*-36.56*	
		For >50, Deduct	*-54.50*	
10 71 16 13-0123	EA	48" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,031.46	22.07
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-21.62*	
		For >25 To 50, Deduct	*-42.42*	
		For >50, Deduct	*-63.21*	
10 71 16 13-0124	EA	48" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,172.19	26.48
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-24.64*	
		For >25 To 50, Deduct	*-48.28*	
		For >50, Deduct	*-71.92*	
10 71 16 13-0125	EA	48" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,308.94	28.25
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-27.45*	
		For >25 To 50, Deduct	*-53.84*	
		For >50, Deduct	*-80.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0126	EA	48" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,449.10	32.28
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-30.43*	
		For >25 To 50, Deduct	*-59.66*	
		For >50, Deduct	*-88.88*	
10 71 16 13-0127	EA	48" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,589.27	36.32
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-33.42*	
		For >25 To 50, Deduct	*-65.48*	
		For >50, Deduct	*-97.53*	
10 71 16 13-0128	EA	48" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,729.43	40.35
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-36.40*	
		For >25 To 50, Deduct	*-71.30*	
		For >50, Deduct	*-106.19*	
10 71 16 13-0129	EA	48" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,866.25	42.17
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-39.22*	
		For >25 To 50, Deduct	*-76.86*	
		For >50, Deduct	*-114.50*	
10 71 16 13-0130	EA	48" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,006.11	46.00
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-42.19*	
		For >25 To 50, Deduct	*-82.66*	
		For >50, Deduct	*-123.13*	
10 71 16 13-0131	EA	48" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,142.22	47.34
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-44.97*	
		For >25 To 50, Deduct	*-88.17*	
		For >50, Deduct	*-131.37*	
10 71 16 13-0132	EA	48" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,281.80	50.99
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-47.93*	
		For >25 To 50, Deduct	*-93.95*	
		For >50, Deduct	*-139.97*	
10 71 16 13-0133	EA	48" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,417.27	51.89
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*298.19*	
		For >10 To 25, Deduct	*-50.68*	
		For >25 To 50, Deduct	*-99.41*	
		For >50, Deduct	*-148.15*	
10 71 16 13-0134	EA	54" Wide x 24" High, Architectural Aluminum Bahama Shutter	961.09	19.86
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-20.11*	
		For >25 To 50, Deduct	*-39.49*	
		For >50, Deduct	*-58.86*	
10 71 16 13-0135	EA	54" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,119.41	24.83
		For Impact Bahama Shutters, Add	*432.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-23.50*	
		For >25 To 50, Deduct	*-46.08*	
		For >50, Deduct	*-68.65*	
10 71 16 13-0136	EA	54" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,277.73	29.79
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-26.89*	
		For >25 To 50, Deduct	*-52.67*	
		For >50, Deduct	*-78.45*	
10 71 16 13-0137	EA	54" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,431.57	31.78
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-30.06*	
		For >25 To 50, Deduct	*-58.93*	
		For >50, Deduct	*-87.80*	
10 71 16 13-0138	EA	54" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,589.27	36.32
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-33.42*	
		For >25 To 50, Deduct	*-65.48*	
		For >50, Deduct	*-97.53*	
10 71 16 13-0139	EA	54" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,746.94	40.86
		For Impact Bahama Shutters, Add	*674.27*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-36.78*	
		For >25 To 50, Deduct	*-72.02*	
		For >50, Deduct	*-107.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0140	EA	54" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,904.62	45.41
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-40.13*	
		For >25 To 50, Deduct	*-78.57*	
		For >50, Deduct	*-117.00*	
10 71 16 13-0141	EA	54" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,058.56	47.45
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-43.31*	
		For >25 To 50, Deduct	*-84.83*	
		For >50, Deduct	*-126.36*	
10 71 16 13-0142	EA	54" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,215.90	51.76
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-46.65*	
		For >25 To 50, Deduct	*-91.35*	
		For >50, Deduct	*-136.06*	
10 71 16 13-0143	EA	54" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,369.03	53.27
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-49.78*	
		For >25 To 50, Deduct	*-97.56*	
		For >50, Deduct	*-145.34*	
10 71 16 13-0144	EA	54" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,526.05	57.36
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-53.10*	
		For >25 To 50, Deduct	*-104.05*	
		For >50, Deduct	*-155.00*	
10 71 16 13-0145	EA	54" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,678.45	58.39
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-56.19*	
		For >25 To 50, Deduct	*-110.20*	
		For >50, Deduct	*-164.21*	
10 71 16 13-0146	EA	54" Wide x 96" High, Architectural Aluminum Bahama Shutter	2,831.42	59.79
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-59.32*	
		For >25 To 50, Deduct	*-116.39*	
		For >50, Deduct	*-173.47*	
10 71 16 13-0147	EA	54" Wide x 102" High, Architectural Aluminum Bahama Shutter	2,984.10	60.98
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-62.43*	
		For >25 To 50, Deduct	*-122.56*	
		For >50, Deduct	*-182.70*	
10 71 16 13-0148	EA	54" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,136.48	61.98
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-65.52*	
		For >25 To 50, Deduct	*-128.71*	
		For >50, Deduct	*-191.91*	
10 71 16 13-0149	EA	54" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,288.58	62.82
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-68.60*	
		For >25 To 50, Deduct	*-134.84*	
		For >50, Deduct	*-201.08*	
10 71 16 13-0150	EA	54" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,440.44	63.47
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-71.66*	
		For >25 To 50, Deduct	*-140.95*	
		For >50, Deduct	*-210.23*	
10 71 16 13-0151	EA	60" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,031.46	22.07
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-21.62*	
		For >25 To 50, Deduct	*-42.42*	
		For >50, Deduct	*-63.21*	
10 71 16 13-0152	EA	60" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,207.36	27.59
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-25.39*	
		For >25 To 50, Deduct	*-49.74*	
		For >50, Deduct	*-74.10*	
10 71 16 13-0153	EA	60" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,383.27	33.11
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-29.15*	
		For >25 To 50, Deduct	*-57.07*	
		For >50, Deduct	*-84.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0154	EA	60" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,554.22	35.31
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-32.67*	
		For >25 To 50, Deduct	*-64.02*	
		For >50, Deduct	*-95.37*	
10 71 16 13-0155	EA	60" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,729.43	40.35
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-36.40*	
		For >25 To 50, Deduct	*-71.30*	
		For >50, Deduct	*-106.19*	
10 71 16 13-0156	EA	60" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,904.62	45.41
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-40.13*	
		For >25 To 50, Deduct	*-78.57*	
		For >50, Deduct	*-117.00*	
10 71 16 13-0157	EA	60" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,079.82	50.45
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-43.87*	
		For >25 To 50, Deduct	*-85.84*	
		For >50, Deduct	*-127.81*	
10 71 16 13-0158	EA	60" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,250.86	52.72
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-47.39*	
		For >25 To 50, Deduct	*-92.80*	
		For >50, Deduct	*-138.21*	
10 71 16 13-0159	EA	60" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,425.68	57.51
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-51.10*	
		For >25 To 50, Deduct	*-100.04*	
		For >50, Deduct	*-148.99*	
10 71 16 13-0160	EA	60" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,595.83	59.18
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-54.58*	
		For >25 To 50, Deduct	*-106.94*	
		For >50, Deduct	*-159.30*	
10 71 16 13-0161	EA	60" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,770.30	63.73
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-58.27*	
		For >25 To 50, Deduct	*-114.16*	
		For >50, Deduct	*-170.04*	
10 71 16 13-0162	EA	60" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,939.64	64.88
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-61.71*	
		For >25 To 50, Deduct	*-120.99*	
		For >50, Deduct	*-180.27*	
10 71 16 13-0163	EA	60" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,109.61	66.43
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-65.18*	
		For >25 To 50, Deduct	*-127.87*	
		For >50, Deduct	*-190.56*	
10 71 16 13-0164	EA	60" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,279.24	67.76
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-68.63*	
		For >25 To 50, Deduct	*-134.73*	
		For >50, Deduct	*-200.82*	
10 71 16 13-0165	EA	60" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,448.55	68.88
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-72.07*	
		For >25 To 50, Deduct	*-141.56*	
		For >50, Deduct	*-211.04*	
10 71 16 13-0166	EA	60" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,617.56	69.80
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-75.49*	
		For >25 To 50, Deduct	*-148.36*	
		For >50, Deduct	*-221.24*	
10 71 16 13-0167	EA	60" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,786.30	70.52
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*322.45*	
		For >10 To 25, Deduct	*-78.90*	
		For >25 To 50, Deduct	*-155.15*	
		For >50, Deduct	*-231.41*	

10 71 16 13-0168 >60" To 90" Wide *(10 71 16 13-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0169	EA	66" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,099.99	23.06
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-23.04*	
		For >25 To 50, Deduct	*-45.21*	
		For >50, Deduct	*-67.38*	
10 71 16 13-0170	EA	66" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,293.04	28.83
		For Impact Bahama Shutters, Add	*499.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-27.16*	
		For >25 To 50, Deduct	*-53.23*	
		For >50, Deduct	*-79.31*	
10 71 16 13-0171	EA	66" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,486.09	34.60
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-31.28*	
		For >25 To 50, Deduct	*-61.26*	
		For >50, Deduct	*-91.24*	
10 71 16 13-0172	EA	66" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,673.95	36.90
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-35.14*	
		For >25 To 50, Deduct	*-68.89*	
		For >50, Deduct	*-102.65*	
10 71 16 13-0173	EA	66" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,866.25	42.17
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-39.22*	
		For >25 To 50, Deduct	*-76.86*	
		For >50, Deduct	*-114.50*	
10 71 16 13-0174	EA	66" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,058.56	47.45
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-43.31*	
		For >25 To 50, Deduct	*-84.83*	
		For >50, Deduct	*-126.36*	
10 71 16 13-0175	EA	66" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,250.86	52.72
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-47.39*	
		For >25 To 50, Deduct	*-92.80*	
		For >50, Deduct	*-138.21*	
10 71 16 13-0176	EA	66" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,438.81	55.09
		For Impact Bahama Shutters, Add	*942.49*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-51.25*	
		For >25 To 50, Deduct	*-100.44*	
		For >50, Deduct	*-149.63*	
10 71 16 13-0177	EA	66" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,630.72	60.09
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-55.32*	
		For >25 To 50, Deduct	*-108.38*	
		For >50, Deduct	*-161.45*	
10 71 16 13-0178	EA	66" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,817.76	61.85
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-59.14*	
		For >25 To 50, Deduct	*-115.96*	
		For >50, Deduct	*-172.77*	
10 71 16 13-0179	EA	66" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,009.29	66.61
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-63.18*	
		For >25 To 50, Deduct	*-123.87*	
		For >50, Deduct	*-184.55*	
10 71 16 13-0180	EA	66" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,195.47	67.80
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-66.96*	
		For >25 To 50, Deduct	*-131.38*	
		For >50, Deduct	*-195.79*	
10 71 16 13-0181	EA	66" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,382.31	69.42
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-70.77*	
		For >25 To 50, Deduct	*-138.94*	
		For >50, Deduct	*-207.10*	
10 71 16 13-0182	EA	66" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,568.79	70.81
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-74.56*	
		For >25 To 50, Deduct	*-146.47*	
		For >50, Deduct	*-218.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0183	EA	66" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,754.94	71.97
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-78.34*	
		For >25 To 50, Deduct	*-153.97*	
		For >50, Deduct	*-229.61*	
10 71 16 13-0184	EA	66" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,940.78	72.94
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-82.10*	
		For >25 To 50, Deduct	*-161.46*	
		For >50, Deduct	*-240.82*	
10 71 16 13-0185	EA	66" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,126.32	73.70
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-85.84*	
		For >25 To 50, Deduct	*-168.92*	
		For >50, Deduct	*-252.00*	
10 71 16 13-0186	EA	72" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,170.20	25.16
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-24.54*	
		For >25 To 50, Deduct	*-48.13*	
		For >50, Deduct	*-71.72*	
10 71 16 13-0187	EA	72" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,380.78	31.45
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-29.03*	
		For >25 To 50, Deduct	*-56.88*	
		For >50, Deduct	*-84.73*	
10 71 16 13-0188	EA	72" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,591.39	37.74
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-33.53*	
		For >25 To 50, Deduct	*-65.64*	
		For >50, Deduct	*-97.75*	
10 71 16 13-0189	EA	72" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,796.32	40.25
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-37.74*	
		For >25 To 50, Deduct	*-73.97*	
		For >50, Deduct	*-110.19*	
10 71 16 13-0190	EA	72" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,006.11	46.00
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-42.19*	
		For >25 To 50, Deduct	*-82.66*	
		For >50, Deduct	*-123.13*	
10 71 16 13-0191	EA	72" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,215.90	51.76
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-46.65*	
		For >25 To 50, Deduct	*-91.35*	
		For >50, Deduct	*-136.06*	
10 71 16 13-0192	EA	72" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,425.68	57.51
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-51.10*	
		For >25 To 50, Deduct	*-100.04*	
		For >50, Deduct	*-148.99*	
10 71 16 13-0193	EA	72" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,630.72	60.09
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-55.32*	
		For >25 To 50, Deduct	*-108.38*	
		For >50, Deduct	*-161.45*	
10 71 16 13-0194	EA	72" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,840.08	65.56
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-59.75*	
		For >25 To 50, Deduct	*-117.04*	
		For >50, Deduct	*-174.34*	
10 71 16 13-0195	EA	72" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,059.01	67.47
		For Impact Bahama Shutters, Add	*1,183.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-64.21*	
		For >25 To 50, Deduct	*-125.90*	
		For >50, Deduct	*-187.59*	
10 71 16 13-0196	EA	72" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,253.05	72.66
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-68.33*	
		For >25 To 50, Deduct	*-133.93*	
		For >50, Deduct	*-199.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0197	EA	72" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,456.16	73.95
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-72.45*	
		For >25 To 50, Deduct	*-142.13*	
		For >50, Deduct	*-211.80*	
10 71 16 13-0198	EA	72" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,660.00	75.73
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-76.61*	
		For >25 To 50, Deduct	*-150.37*	
		For >50, Deduct	*-224.14*	
10 71 16 13-0199	EA	72" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,863.43	77.24
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-80.74*	
		For >25 To 50, Deduct	*-158.59*	
		For >50, Deduct	*-236.44*	
10 71 16 13-0200	EA	72" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,066.50	78.51
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-84.86*	
		For >25 To 50, Deduct	*-166.78*	
		For >50, Deduct	*-248.70*	
10 71 16 13-0201	EA	72" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,269.23	79.56
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-88.96*	
		For >25 To 50, Deduct	*-174.94*	
		For >50, Deduct	*-260.93*	
10 71 16 13-0202	EA	72" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,471.64	80.41
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*346.19*	
		For >10 To 25, Deduct	*-93.05*	
		For >25 To 50, Deduct	*-183.08*	
		For >50, Deduct	*-273.12*	
10 71 16 13-0203	EA	78" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,240.39	27.25
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-26.03*	
		For >25 To 50, Deduct	*-51.05*	
		For >50, Deduct	*-76.06*	
10 71 16 13-0204	EA	78" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,468.54	34.07
		For Impact Bahama Shutters, Add	*566.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-30.90*	
		For >25 To 50, Deduct	*-60.53*	
		For >50, Deduct	*-90.16*	
10 71 16 13-0205	EA	78" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,696.69	40.89
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-35.77*	
		For >25 To 50, Deduct	*-70.01*	
		For >50, Deduct	*-104.25*	
10 71 16 13-0206	EA	78" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,918.70	43.60
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-40.34*	
		For >25 To 50, Deduct	*-79.04*	
		For >50, Deduct	*-117.74*	
10 71 16 13-0207	EA	78" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,145.96	49.84
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-45.16*	
		For >25 To 50, Deduct	*-88.45*	
		For >50, Deduct	*-131.75*	
10 71 16 13-0208	EA	78" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,373.23	56.07
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-49.99*	
		For >25 To 50, Deduct	*-97.87*	
		For >50, Deduct	*-145.76*	
10 71 16 13-0209	EA	78" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,600.50	62.30
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-54.81*	
		For >25 To 50, Deduct	*-107.29*	
		For >50, Deduct	*-159.77*	
10 71 16 13-0210	EA	78" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,822.63	65.10
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-59.38*	
		For >25 To 50, Deduct	*-116.32*	
		For >50, Deduct	*-173.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0211	EA	78" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,049.44	71.02
		For Impact Bahama Shutters, Add	*1,177.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-64.18*	
		For >25 To 50, Deduct	*-125.70*	
		For >50, Deduct	*-187.23*	
10 71 16 13-0212	EA	78" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,270.46	73.10
		For Impact Bahama Shutters, Add	*1,264.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-68.70*	
		For >25 To 50, Deduct	*-134.65*	
		For >50, Deduct	*-200.61*	
10 71 16 13-0213	EA	78" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,496.82	78.72
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-73.48*	
		For >25 To 50, Deduct	*-144.00*	
		For >50, Deduct	*-214.53*	
10 71 16 13-0214	EA	78" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,716.86	80.13
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-77.94*	
		For >25 To 50, Deduct	*-152.88*	
		For >50, Deduct	*-227.82*	
10 71 16 13-0215	EA	78" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,937.67	82.04
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-82.44*	
		For >25 To 50, Deduct	*-161.81*	
		For >50, Deduct	*-241.18*	
10 71 16 13-0216	EA	78" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,158.05	83.69
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-86.92*	
		For >25 To 50, Deduct	*-170.71*	
		For >50, Deduct	*-254.50*	
10 71 16 13-0217	EA	78" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,378.05	85.06
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-91.39*	
		For >25 To 50, Deduct	*-179.59*	
		For >50, Deduct	*-267.78*	
10 71 16 13-0218	EA	78" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,597.68	86.20
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-95.83*	
		For >25 To 50, Deduct	*-188.43*	
		For >50, Deduct	*-281.03*	
10 71 16 13-0219	EA	78" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,816.96	87.10
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-100.26*	
		For >25 To 50, Deduct	*-197.25*	
		For >50, Deduct	*-294.24*	
10 71 16 13-0220	EA	84" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,310.60	29.36
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-27.53*	
		For >25 To 50, Deduct	*-53.96*	
		For >50, Deduct	*-80.40*	
10 71 16 13-0221	EA	84" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,556.29	36.69
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-32.78*	
		For >25 To 50, Deduct	*-64.18*	
		For >50, Deduct	*-95.58*	
10 71 16 13-0222	EA	84" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,801.98	44.03
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-38.02*	
		For >25 To 50, Deduct	*-74.39*	
		For >50, Deduct	*-110.76*	
10 71 16 13-0223	EA	84" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,041.07	46.97
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-42.93*	
		For >25 To 50, Deduct	*-84.11*	
		For >50, Deduct	*-125.28*	
10 71 16 13-0224	EA	84" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,285.82	53.67
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-48.13*	
		For >25 To 50, Deduct	*-94.25*	
		For >50, Deduct	*-140.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0225	EA	84" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,530.58	60.38
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-53.33*	
		For >25 To 50, Deduct	*-104.39*	
		For >50, Deduct	*-155.46*	
10 71 16 13-0226	EA	84" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,775.32	67.10
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-58.52*	
		For >25 To 50, Deduct	*-114.53*	
		For >50, Deduct	*-170.54*	
10 71 16 13-0227	EA	84" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,014.54	70.11
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-63.44*	
		For >25 To 50, Deduct	*-124.26*	
		For >50, Deduct	*-185.08*	
10 71 16 13-0228	EA	84" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,258.79	76.48
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-68.62*	
		For >25 To 50, Deduct	*-134.37*	
		For >50, Deduct	*-200.11*	
10 71 16 13-0229	EA	84" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,496.82	78.72
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-73.48*	
		For >25 To 50, Deduct	*-144.00*	
		For >50, Deduct	*-214.53*	
10 71 16 13-0230	EA	84" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,740.58	84.77
		For Impact Bahama Shutters, Add	*1,445.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-78.62*	
		For >25 To 50, Deduct	*-154.07*	
		For >50, Deduct	*-229.52*	
10 71 16 13-0231	EA	84" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,977.54	86.28
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-83.43*	
		For >25 To 50, Deduct	*-163.63*	
		For >50, Deduct	*-243.83*	
10 71 16 13-0232	EA	84" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,215.35	88.35
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-88.28*	
		For >25 To 50, Deduct	*-173.25*	
		For >50, Deduct	*-258.22*	
10 71 16 13-0233	EA	84" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,452.69	90.12
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-93.11*	
		For >25 To 50, Deduct	*-182.84*	
		For >50, Deduct	*-272.57*	
10 71 16 13-0234	EA	84" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,689.61	91.60
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-97.91*	
		For >25 To 50, Deduct	*-192.39*	
		For >50, Deduct	*-286.87*	
10 71 16 13-0235	EA	84" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,926.13	92.83
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-102.70*	
		For >25 To 50, Deduct	*-201.92*	
		For >50, Deduct	*-301.13*	
10 71 16 13-0236	EA	84" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,162.28	93.81
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*370.98*	
		For >10 To 25, Deduct	*-107.46*	
		For >25 To 50, Deduct	*-211.41*	
		For >50, Deduct	*-315.36*	
10 71 16 13-0237	EA	90" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,380.78	31.45
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-29.03*	
		For >25 To 50, Deduct	*-56.88*	
		For >50, Deduct	*-84.73*	
10 71 16 13-0238	EA	90" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,644.03	39.31
		For Impact Bahama Shutters, Add	*634.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-34.65*	
		For >25 To 50, Deduct	*-67.82*	
		For >50, Deduct	*-101.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0239	EA	90" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,907.27	47.18
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-40.27*	
		For >25 To 50, Deduct	*-78.77*	
		For >50, Deduct	*-117.27*	
10 71 16 13-0240	EA	90" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,163.45	50.32
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-45.53*	
		For >25 To 50, Deduct	*-89.18*	
		For >50, Deduct	*-132.82*	
10 71 16 13-0241	EA	90" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,425.68	57.51
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-51.10*	
		For >25 To 50, Deduct	*-100.04*	
		For >50, Deduct	*-148.99*	
10 71 16 13-0242	EA	90" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,687.91	64.69
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-56.67*	
		For >25 To 50, Deduct	*-110.91*	
		For >50, Deduct	*-165.15*	
10 71 16 13-0243	EA	90" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,950.15	71.89
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-62.24*	
		For >25 To 50, Deduct	*-121.78*	
		For >50, Deduct	*-181.32*	
10 71 16 13-0244	EA	90" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,206.45	75.12
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-67.51*	
		For >25 To 50, Deduct	*-132.20*	
		For >50, Deduct	*-196.89*	
10 71 16 13-0245	EA	90" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,468.14	81.95
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-73.05*	
		For >25 To 50, Deduct	*-143.03*	
		For >50, Deduct	*-213.00*	
10 71 16 13-0246	EA	90" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,723.18	84.33
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-78.26*	
		For >25 To 50, Deduct	*-153.35*	
		For >50, Deduct	*-228.45*	
10 71 16 13-0247	EA	90" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,984.35	90.82
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-83.77*	
		For >25 To 50, Deduct	*-164.14*	
		For >50, Deduct	*-244.51*	
10 71 16 13-0248	EA	90" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,238.25	92.45
		For Impact Bahama Shutters, Add	*1,639.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-88.92*	
		For >25 To 50, Deduct	*-174.38*	
		For >50, Deduct	*-259.84*	
10 71 16 13-0249	EA	90" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,493.02	94.66
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-94.12*	
		For >25 To 50, Deduct	*-184.69*	
		For >50, Deduct	*-275.26*	
10 71 16 13-0250	EA	90" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,747.33	96.56
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-99.29*	
		For >25 To 50, Deduct	*-194.96*	
		For >50, Deduct	*-290.63*	
10 71 16 13-0251	EA	90" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,001.16	98.14
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-104.44*	
		For >25 To 50, Deduct	*-205.20*	
		For >50, Deduct	*-305.96*	
10 71 16 13-0252	EA	90" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,254.58	99.45
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-109.56*	
		For >25 To 50, Deduct	*-215.40*	
		For >50, Deduct	*-321.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0253	EA	90" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,507.60	100.51
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-114.67*	
		For >25 To 50, Deduct	*-225.58*	
		For >50, Deduct	*-336.48*	
10 71 16 13-0254		>90" Wide *(10 71 16 13-0011)*		
10 71 16 13-0255	EA	96" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,448.48	31.87
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-30.40*	
		For >25 To 50, Deduct	*-59.61*	
		For >50, Deduct	*-88.82*	
10 71 16 13-0256	EA	96" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,728.64	39.83
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-36.36*	
		For >25 To 50, Deduct	*-71.24*	
		For >50, Deduct	*-106.11*	
10 71 16 13-0257	EA	96" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,008.81	47.80
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-42.33*	
		For >25 To 50, Deduct	*-82.86*	
		For >50, Deduct	*-123.40*	
10 71 16 13-0258	EA	96" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,281.80	50.99
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-47.93*	
		For >25 To 50, Deduct	*-93.95*	
		For >50, Deduct	*-139.97*	
10 71 16 13-0259	EA	96" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,560.93	58.28
		For Impact Bahama Shutters, Add	*989.43*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-53.84*	
		For >25 To 50, Deduct	*-105.49*	
		For >50, Deduct	*-157.15*	
10 71 16 13-0260	EA	96" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,840.08	65.56
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-59.75*	
		For >25 To 50, Deduct	*-117.04*	
		For >50, Deduct	*-174.34*	
10 71 16 13-0261	EA	96" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,119.22	72.84
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-65.66*	
		For >25 To 50, Deduct	*-128.59*	
		For >50, Deduct	*-191.52*	
10 71 16 13-0262	EA	96" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,392.35	76.12
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-71.27*	
		For >25 To 50, Deduct	*-139.69*	
		For >50, Deduct	*-208.11*	
10 71 16 13-0263	EA	96" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,670.95	83.04
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-77.15*	
		For >25 To 50, Deduct	*-151.20*	
		For >50, Deduct	*-225.24*	
10 71 16 13-0264	EA	96" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,942.80	85.46
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-82.70*	
		For >25 To 50, Deduct	*-162.20*	
		For >50, Deduct	*-241.69*	
10 71 16 13-0265	EA	96" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,220.87	92.03
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-88.56*	
		For >25 To 50, Deduct	*-173.66*	
		For >50, Deduct	*-258.77*	
10 71 16 13-0266	EA	96" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,491.54	93.69
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-94.04*	
		For >25 To 50, Deduct	*-184.58*	
		For >50, Deduct	*-275.11*	
10 71 16 13-0267	EA	96" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,763.14	95.92
		For Impact Bahama Shutters, Add	*1,847.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-99.58*	
		For >25 To 50, Deduct	*-195.56*	
		For >50, Deduct	*-291.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0268	EA	96" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,034.23	97.84
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-105.09*	
		For >25 To 50, Deduct	*-206.50*	
		For >50, Deduct	*-307.92*	
10 71 16 13-0269	EA	96" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,304.87	99.45
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-110.57*	
		For >25 To 50, Deduct	*-217.41*	
		For >50, Deduct	*-324.26*	
10 71 16 13-0270	EA	96" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,575.08	100.79
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-116.03*	
		For >25 To 50, Deduct	*-228.29*	
		For >50, Deduct	*-340.55*	
10 71 16 13-0271	EA	96" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,844.89	101.85
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*395.77*	
		For >10 To 25, Deduct	*-121.48*	
		For >25 To 50, Deduct	*-239.14*	
		For >50, Deduct	*-356.80*	
10 71 16 13-0272	EA	102" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,518.51	33.86
		For Impact Bahama Shutters, Add	*587.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-31.89*	
		For >25 To 50, Deduct	*-62.52*	
		For >50, Deduct	*-93.14*	
10 71 16 13-0273	EA	102" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,816.18	42.32
		For Impact Bahama Shutters, Add	*701.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-38.23*	
		For >25 To 50, Deduct	*-74.87*	
		For >50, Deduct	*-111.51*	
10 71 16 13-0274	EA	102" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,113.87	50.79
		For Impact Bahama Shutters, Add	*815.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-44.56*	
		For >25 To 50, Deduct	*-87.22*	
		For >50, Deduct	*-129.88*	
10 71 16 13-0275	EA	102" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,403.92	54.17
		For Impact Bahama Shutters, Add	*929.08*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-50.52*	
		For >25 To 50, Deduct	*-99.00*	
		For >50, Deduct	*-147.48*	
10 71 16 13-0276	EA	102" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,700.51	61.91
		For Impact Bahama Shutters, Add	*1,043.07*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-56.80*	
		For >25 To 50, Deduct	*-111.27*	
		For >50, Deduct	*-165.74*	
10 71 16 13-0277	EA	102" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,997.09	69.66
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-63.07*	
		For >25 To 50, Deduct	*-123.54*	
		For >50, Deduct	*-184.00*	
10 71 16 13-0278	EA	102" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,293.68	77.39
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-69.35*	
		For >25 To 50, Deduct	*-135.81*	
		For >50, Deduct	*-202.26*	
10 71 16 13-0279	EA	102" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,583.88	80.88
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-75.32*	
		For >25 To 50, Deduct	*-147.60*	
		For >50, Deduct	*-219.88*	
10 71 16 13-0280	EA	102" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,879.89	88.23
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-81.57*	
		For >25 To 50, Deduct	*-159.83*	
		For >50, Deduct	*-238.08*	
10 71 16 13-0281	EA	102" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,168.72	90.80
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-87.46*	
		For >25 To 50, Deduct	*-171.51*	
		For >50, Deduct	*-255.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0282	EA	102" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,464.19	97.79
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-93.68*	
		For >25 To 50, Deduct	*-183.70*	
		For >50, Deduct	*-273.72*	
10 71 16 13-0283	EA	102" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,751.78	99.54
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-99.51*	
		For >25 To 50, Deduct	*-195.29*	
		For >50, Deduct	*-291.08*	
10 71 16 13-0284	EA	102" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,040.35	101.92
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-105.39*	
		For >25 To 50, Deduct	*-206.96*	
		For >50, Deduct	*-308.53*	
10 71 16 13-0285	EA	102" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,328.38	103.95
		For Impact Bahama Shutters, Add	*2,069.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-111.24*	
		For >25 To 50, Deduct	*-218.59*	
		For >50, Deduct	*-325.94*	
10 71 16 13-0286	EA	102" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,615.94	105.67
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-117.07*	
		For >25 To 50, Deduct	*-230.18*	
		For >50, Deduct	*-343.29*	
10 71 16 13-0287	EA	102" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,903.03	107.08
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-122.88*	
		For >25 To 50, Deduct	*-241.74*	
		For >50, Deduct	*-360.60*	
10 71 16 13-0288	EA	102" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,189.70	108.21
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-128.66*	
		For >25 To 50, Deduct	*-253.27*	
		For >50, Deduct	*-377.87*	
10 71 16 13-0289	EA	108" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,588.56	35.85
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-33.38*	
		For >25 To 50, Deduct	*-65.42*	
		For >50, Deduct	*-97.46*	
10 71 16 13-0290	EA	108" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,903.74	44.81
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-40.09*	
		For >25 To 50, Deduct	*-78.50*	
		For >50, Deduct	*-116.91*	
10 71 16 13-0291	EA	108" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,218.93	53.78
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-46.80*	
		For >25 To 50, Deduct	*-91.58*	
		For >50, Deduct	*-136.36*	
10 71 16 13-0292	EA	108" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,526.05	57.36
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-53.10*	
		For >25 To 50, Deduct	*-104.05*	
		For >50, Deduct	*-155.00*	
10 71 16 13-0293	EA	108" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,840.08	65.56
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-59.75*	
		For >25 To 50, Deduct	*-117.04*	
		For >50, Deduct	*-174.34*	
10 71 16 13-0294	EA	108" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,154.12	73.75
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-66.40*	
		For >25 To 50, Deduct	*-130.04*	
		For >50, Deduct	*-193.67*	
10 71 16 13-0295	EA	108" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,468.14	81.95
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-73.05*	
		For >25 To 50, Deduct	*-143.03*	
		For >50, Deduct	*-213.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0296	EA	108" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,775.42	85.64
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-79.36*	
		For >25 To 50, Deduct	*-155.51*	
		For >50, Deduct	*-231.66*	
10 71 16 13-0297	EA	108" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,088.84	93.41
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-85.98*	
		For >25 To 50, Deduct	*-168.46*	
		For >50, Deduct	*-250.93*	
10 71 16 13-0298	EA	108" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,394.66	96.14
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-92.22*	
		For >25 To 50, Deduct	*-180.83*	
		For >50, Deduct	*-269.45*	
10 71 16 13-0299	EA	108" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,707.50	103.54
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-98.81*	
		For >25 To 50, Deduct	*-193.73*	
		For >50, Deduct	*-288.66*	
10 71 16 13-0300	EA	108" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,012.01	105.39
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-104.98*	
		For >25 To 50, Deduct	*-206.01*	
		For >50, Deduct	*-307.04*	
10 71 16 13-0301	EA	108" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,317.55	107.92
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-111.20*	
		For >25 To 50, Deduct	*-218.36*	
		For >50, Deduct	*-325.52*	
10 71 16 13-0302	EA	108" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,622.54	110.08
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-117.40*	
		For >25 To 50, Deduct	*-230.68*	
		For >50, Deduct	*-343.95*	
10 71 16 13-0303	EA	108" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,927.00	111.89
		For Impact Bahama Shutters, Add	*2,303.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-123.57*	
		For >25 To 50, Deduct	*-242.95*	
		For >50, Deduct	*-362.33*	
10 71 16 13-0304	EA	108" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,230.98	113.38
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-129.72*	
		For >25 To 50, Deduct	*-255.19*	
		For >50, Deduct	*-380.66*	
10 71 16 13-0305	EA	108" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,534.52	114.58
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*423.18*	
		For >10 To 25, Deduct	*-135.84*	
		For >25 To 50, Deduct	*-267.39*	
		For >50, Deduct	*-398.94*	
10 71 16 13-0306	EA	114" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,658.60	37.84
		For Impact Bahama Shutters, Add	*640.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-34.87*	
		For >25 To 50, Deduct	*-68.33*	
		For >50, Deduct	*-101.79*	
10 71 16 13-0307	EA	114" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,991.29	47.30
		For Impact Bahama Shutters, Add	*768.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-41.95*	
		For >25 To 50, Deduct	*-82.13*	
		For >50, Deduct	*-122.31*	
10 71 16 13-0308	EA	114" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,323.98	56.77
		For Impact Bahama Shutters, Add	*895.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-49.03*	
		For >25 To 50, Deduct	*-95.94*	
		For >50, Deduct	*-142.84*	
10 71 16 13-0309	EA	114" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,648.17	60.55
		For Impact Bahama Shutters, Add	*1,022.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-55.69*	
		For >25 To 50, Deduct	*-109.10*	
		For >50, Deduct	*-162.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0310	EA	114" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,979.65	69.20
		For Impact Bahama Shutters, Add	*1,150.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-62.71*	
		For >25 To 50, Deduct	*-122.82*	
		For >50, Deduct	*-182.93*	
10 71 16 13-0311	EA	114" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,311.12	77.85
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-69.72*	
		For >25 To 50, Deduct	*-136.53*	
		For >50, Deduct	*-203.34*	
10 71 16 13-0312	EA	114" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,642.61	86.50
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-76.74*	
		For >25 To 50, Deduct	*-150.24*	
		For >50, Deduct	*-223.74*	
10 71 16 13-0313	EA	114" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,966.95	90.39
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-83.40*	
		For >25 To 50, Deduct	*-163.42*	
		For >50, Deduct	*-243.44*	
10 71 16 13-0314	EA	114" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,297.78	98.61
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-90.39*	
		For >25 To 50, Deduct	*-177.09*	
		For >50, Deduct	*-263.78*	
10 71 16 13-0315	EA	114" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,620.60	101.49
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-96.98*	
		For >25 To 50, Deduct	*-190.15*	
		For >50, Deduct	*-283.32*	
10 71 16 13-0316	EA	114" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,950.82	109.30
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-103.93*	
		For >25 To 50, Deduct	*-203.77*	
		For >50, Deduct	*-303.60*	
10 71 16 13-0317	EA	114" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,272.25	111.24
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-110.45*	
		For >25 To 50, Deduct	*-216.73*	
		For >50, Deduct	*-323.01*	
10 71 16 13-0318	EA	114" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,594.76	113.91
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-117.02*	
		For >25 To 50, Deduct	*-229.77*	
		For >50, Deduct	*-342.52*	
10 71 16 13-0319	EA	114" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,916.69	116.19
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-123.56*	
		For >25 To 50, Deduct	*-242.76*	
		For >50, Deduct	*-361.97*	
10 71 16 13-0320	EA	114" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,238.07	118.11
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-130.07*	
		For >25 To 50, Deduct	*-255.72*	
		For >50, Deduct	*-381.37*	
10 71 16 13-0321	EA	114" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,558.95	119.68
		For Impact Bahama Shutters, Add	*2,551.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-136.56*	
		For >25 To 50, Deduct	*-268.64*	
		For >50, Deduct	*-400.71*	
10 71 16 13-0322	EA	114" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,879.34	120.94
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*450.58*	
		For >10 To 25, Deduct	*-143.03*	
		For >25 To 50, Deduct	*-281.52*	
		For >50, Deduct	*-420.01*	
10 71 16 13-0323	EA	120" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,728.64	39.83
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-36.36*	
		For >25 To 50, Deduct	*-71.24*	
		For >50, Deduct	*-106.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0324	EA	120" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,078.84	49.80
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-43.82*	
		For >25 To 50, Deduct	*-85.77*	
		For >50, Deduct	*-127.72*	
10 71 16 13-0325	EA	120" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,429.04	59.76
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-51.27*	
		For >25 To 50, Deduct	*-100.30*	
		For >50, Deduct	*-149.33*	
10 71 16 13-0326	EA	120" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,770.30	63.73
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-58.27*	
		For >25 To 50, Deduct	*-114.16*	
		For >50, Deduct	*-170.04*	
10 71 16 13-0327	EA	120" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,119.22	72.84
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-65.66*	
		For >25 To 50, Deduct	*-128.59*	
		For >50, Deduct	*-191.52*	
10 71 16 13-0328	EA	120" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,468.14	81.95
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-73.05*	
		For >25 To 50, Deduct	*-143.03*	
		For >50, Deduct	*-213.00*	
10 71 16 13-0329	EA	120" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,817.07	91.05
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-80.44*	
		For >25 To 50, Deduct	*-157.46*	
		For >50, Deduct	*-234.48*	
10 71 16 13-0330	EA	120" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,158.48	95.15
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-87.45*	
		For >25 To 50, Deduct	*-171.33*	
		For >50, Deduct	*-255.21*	
10 71 16 13-0331	EA	120" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,506.72	103.80
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-94.80*	
		For >25 To 50, Deduct	*-185.72*	
		For >50, Deduct	*-276.63*	
10 71 16 13-0332	EA	120" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,846.54	106.83
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-101.74*	
		For >25 To 50, Deduct	*-199.47*	
		For >50, Deduct	*-297.20*	
10 71 16 13-0333	EA	120" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,194.13	115.04
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-109.06*	
		For >25 To 50, Deduct	*-213.80*	
		For >50, Deduct	*-318.55*	
10 71 16 13-0334	EA	120" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,532.48	117.10
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-115.92*	
		For >25 To 50, Deduct	*-227.44*	
		For >50, Deduct	*-338.97*	
10 71 16 13-0335	EA	120" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,871.97	119.91
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-122.83*	
		For >25 To 50, Deduct	*-241.17*	
		For >50, Deduct	*-359.51*	
10 71 16 13-0336	EA	120" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,210.84	122.30
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-129.72*	
		For >25 To 50, Deduct	*-254.85*	
		For >50, Deduct	*-379.99*	
10 71 16 13-0337	EA	120" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,549.13	124.32
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-136.57*	
		For >25 To 50, Deduct	*-268.49*	
		For >50, Deduct	*-400.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0338	EA	120" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,886.89	125.98
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-143.40*	
		For >25 To 50, Deduct	*-282.09*	
		For >50, Deduct	*-420.77*	
10 71 16 13-0339	EA	120" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,224.15	127.30
		For Impact Bahama Shutters, Add	*2,813.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*460.24*	
		For >10 To 25, Deduct	*-150.21*	
		For >25 To 50, Deduct	*-295.65*	
		For >50, Deduct	*-441.08*	
10 71 16 13-0340	EA	126" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,798.68	41.83
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-37.85*	
		For >25 To 50, Deduct	*-74.14*	
		For >50, Deduct	*-110.43*	
10 71 16 13-0341	EA	126" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,166.40	52.29
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-45.68*	
		For >25 To 50, Deduct	*-89.40*	
		For >50, Deduct	*-133.12*	
10 71 16 13-0342	EA	126" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,534.11	62.74
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-53.50*	
		For >25 To 50, Deduct	*-104.66*	
		For >50, Deduct	*-155.81*	
10 71 16 13-0343	EA	126" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,892.41	66.92
		For Impact Bahama Shutters, Add	*1,116.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-60.86*	
		For >25 To 50, Deduct	*-119.21*	
		For >50, Deduct	*-177.56*	
10 71 16 13-0344	EA	126" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,258.79	76.48
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-68.62*	
		For >25 To 50, Deduct	*-134.37*	
		For >50, Deduct	*-200.11*	
10 71 16 13-0345	EA	126" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,625.16	86.04
		For Impact Bahama Shutters, Add	*1,398.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-76.37*	
		For >25 To 50, Deduct	*-149.52*	
		For >50, Deduct	*-222.67*	
10 71 16 13-0346	EA	126" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,991.52	95.60
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-84.13*	
		For >25 To 50, Deduct	*-164.68*	
		For >50, Deduct	*-245.22*	
10 71 16 13-0347	EA	126" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,350.02	99.90
		For Impact Bahama Shutters, Add	*1,680.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-91.49*	
		For >25 To 50, Deduct	*-179.24*	
		For >50, Deduct	*-266.99*	
10 71 16 13-0348	EA	126" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,715.68	108.99
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-99.22*	
		For >25 To 50, Deduct	*-194.35*	
		For >50, Deduct	*-289.48*	
10 71 16 13-0349	EA	126" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,072.47	112.17
		For Impact Bahama Shutters, Add	*1,961.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-106.49*	
		For >25 To 50, Deduct	*-208.78*	
		For >50, Deduct	*-311.08*	
10 71 16 13-0350	EA	126" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,437.44	120.79
		For Impact Bahama Shutters, Add	*2,102.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-114.18*	
		For >25 To 50, Deduct	*-223.84*	
		For >50, Deduct	*-333.49*	
10 71 16 13-0351	EA	126" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,792.72	122.95
		For Impact Bahama Shutters, Add	*2,243.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-121.38*	
		For >25 To 50, Deduct	*-238.16*	
		For >50, Deduct	*-354.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0352	EA	126" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,149.19	125.91
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-128.65*	
		For >25 To 50, Deduct	*-252.57*	
		For >50, Deduct	*-376.50*	
10 71 16 13-0353	EA	126" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,504.99	128.43
		For Impact Bahama Shutters, Add	*2,524.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-135.88*	
		For >25 To 50, Deduct	*-266.94*	
		For >50, Deduct	*-398.00*	
10 71 16 13-0354	EA	126" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,860.20	130.53
		For Impact Bahama Shutters, Add	*2,665.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-143.08*	
		For >25 To 50, Deduct	*-281.26*	
		For >50, Deduct	*-419.44*	
10 71 16 13-0355	EA	126" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,214.85	132.28
		For Impact Bahama Shutters, Add	*2,806.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-150.25*	
		For >25 To 50, Deduct	*-295.54*	
		For >50, Deduct	*-440.82*	
10 71 16 13-0356	EA	126" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,568.97	133.67
		For Impact Bahama Shutters, Add	*2,947.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-157.39*	
		For >25 To 50, Deduct	*-309.77*	
		For >50, Deduct	*-462.15*	
10 71 16 13-0357	EA	132" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,868.72	43.81
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-39.35*	
		For >25 To 50, Deduct	*-77.05*	
		For >50, Deduct	*-114.75*	
10 71 16 13-0358	EA	132" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,253.96	54.78
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-47.54*	
		For >25 To 50, Deduct	*-93.03*	
		For >50, Deduct	*-138.52*	
10 71 16 13-0359	EA	132" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,639.18	65.72
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-55.74*	
		For >25 To 50, Deduct	*-109.02*	
		For >50, Deduct	*-162.29*	
10 71 16 13-0360	EA	132" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,014.54	70.11
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-63.44*	
		For >25 To 50, Deduct	*-124.26*	
		For >50, Deduct	*-185.08*	
10 71 16 13-0361	EA	132" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,398.36	80.13
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-71.57*	
		For >25 To 50, Deduct	*-140.14*	
		For >50, Deduct	*-208.71*	
10 71 16 13-0362	EA	132" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,782.17	90.13
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-79.70*	
		For >25 To 50, Deduct	*-156.02*	
		For >50, Deduct	*-232.34*	
10 71 16 13-0363	EA	132" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,165.99	100.15
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-87.82*	
		For >25 To 50, Deduct	*-171.90*	
		For >50, Deduct	*-255.97*	
10 71 16 13-0364	EA	132" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,541.55	104.66
		For Impact Bahama Shutters, Add	*1,753.85*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-95.54*	
		For >25 To 50, Deduct	*-187.15*	
		For >50, Deduct	*-278.77*	
10 71 16 13-0365	EA	132" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,924.62	114.18
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-103.63*	
		For >25 To 50, Deduct	*-202.98*	
		For >50, Deduct	*-302.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0366	EA	132" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,298.41	117.51
		For Impact Bahama Shutters, Add	*2,048.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-111.25*	
		For >25 To 50, Deduct	*-218.10*	
		For >50, Deduct	*-324.95*	
10 71 16 13-0367	EA	132" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,680.76	126.55
		For Impact Bahama Shutters, Add	*2,196.41*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-119.31*	
		For >25 To 50, Deduct	*-233.87*	
		For >50, Deduct	*-348.43*	
10 71 16 13-0368	EA	132" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,052.95	128.81
		For Impact Bahama Shutters, Add	*2,343.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-126.85*	
		For >25 To 50, Deduct	*-248.88*	
		For >50, Deduct	*-370.90*	
10 71 16 13-0369	EA	132" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,426.38	131.90
		For Impact Bahama Shutters, Add	*2,491.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-134.46*	
		For >25 To 50, Deduct	*-263.98*	
		For >50, Deduct	*-393.49*	
10 71 16 13-0370	EA	132" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,799.15	134.54
		For Impact Bahama Shutters, Add	*2,638.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-142.03*	
		For >25 To 50, Deduct	*-279.03*	
		For >50, Deduct	*-416.02*	
10 71 16 13-0371	EA	132" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,171.27	136.76
		For Impact Bahama Shutters, Add	*2,786.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-149.58*	
		For >25 To 50, Deduct	*-294.03*	
		For >50, Deduct	*-438.48*	
10 71 16 13-0372	EA	132" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,542.80	138.57
		For Impact Bahama Shutters, Add	*2,934.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For >10 To 25, Deduct	*-157.09*	
		For >25 To 50, Deduct	*-308.98*	
		For >50, Deduct	*-460.88*	
10 71 16 13-0373	EA	132" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,913.79	140.04
		For Impact Bahama Shutters, Add	*3,081.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*465.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-164.57*	
		For >25 To 50, Deduct	*-323.90*	
		For >50, Deduct	*-483.23*	
10 71 16 13-0374	EA	138" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,938.76	45.81
		For Impact Bahama Shutters, Add	*748.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-40.84*	
		For >25 To 50, Deduct	*-79.95*	
		For >50, Deduct	*-119.07*	
10 71 16 13-0375	EA	138" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,341.49	57.27
		For Impact Bahama Shutters, Add	*902.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-49.41*	
		For >25 To 50, Deduct	*-96.66*	
		For >50, Deduct	*-143.92*	
10 71 16 13-0376	EA	138" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,744.24	68.71
		For Impact Bahama Shutters, Add	*1,056.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-57.98*	
		For >25 To 50, Deduct	*-113.38*	
		For >50, Deduct	*-168.78*	
10 71 16 13-0377	EA	138" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,136.66	73.29
		For Impact Bahama Shutters, Add	*1,210.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-66.03*	
		For >25 To 50, Deduct	*-129.31*	
		For >50, Deduct	*-192.60*	
10 71 16 13-0378	EA	138" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,537.92	83.77
		For Impact Bahama Shutters, Add	*1,364.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-74.53*	
		For >25 To 50, Deduct	*-145.91*	
		For >50, Deduct	*-217.30*	
10 71 16 13-0379	EA	138" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,939.19	94.24
		For Impact Bahama Shutters, Add	*1,519.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-83.02*	
		For >25 To 50, Deduct	*-162.51*	
		For >50, Deduct	*-242.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0380	EA	138" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,340.45	104.71
		For Impact Bahama Shutters, Add	*1,673.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-91.52*	
		For >25 To 50, Deduct	*-179.11*	
		For >50, Deduct	*-266.71*	
10 71 16 13-0381	EA	138" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,733.08	109.42
		For Impact Bahama Shutters, Add	*1,827.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-99.58*	
		For >25 To 50, Deduct	*-195.06*	
		For >50, Deduct	*-290.55*	
10 71 16 13-0382	EA	138" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,133.57	119.37
		For Impact Bahama Shutters, Add	*1,981.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-108.04*	
		For >25 To 50, Deduct	*-211.61*	
		For >50, Deduct	*-315.17*	
10 71 16 13-0383	EA	138" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,524.34	122.86
		For Impact Bahama Shutters, Add	*2,136.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-116.01*	
		For >25 To 50, Deduct	*-227.42*	
		For >50, Deduct	*-338.83*	
10 71 16 13-0384	EA	138" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,924.07	132.30
		For Impact Bahama Shutters, Add	*2,290.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-124.43*	
		For >25 To 50, Deduct	*-243.91*	
		For >50, Deduct	*-363.38*	
10 71 16 13-0385	EA	138" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,313.18	134.66
		For Impact Bahama Shutters, Add	*2,444.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-132.32*	
		For >25 To 50, Deduct	*-259.59*	
		For >50, Deduct	*-386.87*	
10 71 16 13-0386	EA	138" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,703.59	137.89
		For Impact Bahama Shutters, Add	*2,598.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-140.27*	
		For >25 To 50, Deduct	*-275.38*	
		For >50, Deduct	*-410.49*	
10 71 16 13-0387	EA	138" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,093.30	140.65
		For Impact Bahama Shutters, Add	*2,752.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-148.19*	
		For >25 To 50, Deduct	*-291.11*	
		For >50, Deduct	*-434.03*	
10 71 16 13-0388	EA	138" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,482.32	142.97
		For Impact Bahama Shutters, Add	*2,907.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-156.08*	
		For >25 To 50, Deduct	*-306.79*	
		For >50, Deduct	*-457.51*	
10 71 16 13-0389	EA	138" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,870.76	144.88
		For Impact Bahama Shutters, Add	*3,061.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-163.93*	
		For >25 To 50, Deduct	*-322.43*	
		For >50, Deduct	*-480.93*	
10 71 16 13-0390	EA	138" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,258.60	146.40
		For Impact Bahama Shutters, Add	*3,215.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-171.76*	
		For >25 To 50, Deduct	*-338.03*	
		For >50, Deduct	*-504.30*	
10 71 16 13-0391	EA	144" Wide x 24" High, Architectural Aluminum Bahama Shutter	2,008.81	47.80
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-42.33*	
		For >25 To 50, Deduct	*-82.86*	
		For >50, Deduct	*-123.40*	
10 71 16 13-0392	EA	144" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,429.04	59.76
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-51.27*	
		For >25 To 50, Deduct	*-100.30*	
		For >50, Deduct	*-149.33*	
10 71 16 13-0393	EA	144" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,849.28	71.70
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-60.21*	
		For >25 To 50, Deduct	*-117.73*	
		For >50, Deduct	*-175.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0394	EA	144" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,258.79	76.48
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-68.62*	
		For >25 To 50, Deduct	*-134.37*	
		For >50, Deduct	*-200.11*	
10 71 16 13-0395	EA	144" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,677.50	87.41
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-77.48*	
		For >25 To 50, Deduct	*-151.69*	
		For >50, Deduct	*-225.89*	
10 71 16 13-0396	EA	144" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,096.21	98.34
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-86.35*	
		For >25 To 50, Deduct	*-169.01*	
		For >50, Deduct	*-251.67*	
10 71 16 13-0397	EA	144" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,514.91	109.26
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-95.21*	
		For >25 To 50, Deduct	*-186.33*	
		For >50, Deduct	*-277.45*	
10 71 16 13-0398	EA	144" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,924.62	114.18
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-103.63*	
		For >25 To 50, Deduct	*-202.98*	
		For >50, Deduct	*-302.32*	
10 71 16 13-0399	EA	144" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,342.51	124.55
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-112.45*	
		For >25 To 50, Deduct	*-220.24*	
		For >50, Deduct	*-328.02*	
10 71 16 13-0400	EA	144" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,750.28	128.19
		For Impact Bahama Shutters, Add	*2,223.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-120.77*	
		For >25 To 50, Deduct	*-236.74*	
		For >50, Deduct	*-352.70*	
10 71 16 13-0401	EA	144" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,167.39	138.05
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-129.56*	
		For >25 To 50, Deduct	*-253.94*	
		For >50, Deduct	*-378.32*	
10 71 16 13-0402	EA	144" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,573.42	140.52
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-137.79*	
		For >25 To 50, Deduct	*-270.31*	
		For >50, Deduct	*-402.83*	
10 71 16 13-0403	EA	144" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,980.80	143.89
		For Impact Bahama Shutters, Add	*2,706.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-146.09*	
		For >25 To 50, Deduct	*-286.78*	
		For >50, Deduct	*-427.48*	
10 71 16 13-0404	EA	144" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,387.44	146.77
		For Impact Bahama Shutters, Add	*2,866.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-154.35*	
		For >25 To 50, Deduct	*-303.20*	
		For >50, Deduct	*-452.05*	
10 71 16 13-0405	EA	144" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,793.39	149.19
		For Impact Bahama Shutters, Add	*3,027.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-162.58*	
		For >25 To 50, Deduct	*-319.56*	
		For >50, Deduct	*-476.55*	
10 71 16 13-0406	EA	144" Wide x 114" High, Architectural Aluminum Bahama Shutter	8,198.71	151.17
		For Impact Bahama Shutters, Add	*3,188.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-170.77*	
		For >25 To 50, Deduct	*-335.88*	
		For >50, Deduct	*-500.99*	
10 71 16 13-0407	EA	144" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,603.42	152.76
		For Impact Bahama Shutters, Add	*3,349.75*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*473.32*	
		For >10 To 25, Deduct	*-178.94*	
		For >25 To 50, Deduct	*-352.15*	
		For >50, Deduct	*-525.37*	

10 71 16 13-0408 Shutter Accessories *(10 71 16 13)*

10 71 16 13-0409 Shutter Build-Out *(10 71 16 13-0408)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0410	LF	2' x 3' Hurricane Shutter Buildout	14.01	2.35
10 71 16 13-0411	LF	2' x 5' Hurricane Shutter Buildout	16.87	2.35

10 71 16 13-0412 Storm Panel Track *(10 71 16 13-0408)*

10 71 16 13-0413	LF	H-Header Storm Panel Track	12.42	2.35
10 71 16 13-0414	LF	F-Header Storm Panel Track	11.79	2.35
10 71 16 13-0415	LF	U-Header Storm Panel Track	12.42	2.35
10 71 16 13-0416	LF	Stud Angle Storm Panel Track	13.06	2.35
10 71 16 13-0417	LF	Clip Sill Storm Panel Track	9.88	2.35

10 71 16 13-0418 Exeter Storm Shield *(10 71 16 13)*

10 71 16 13-0419 Aluminum Framed Panels With Stainless Steel Barrier Membrane *(10 71 16 13-0418)*

Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.

10 71 16 13-0420 Operable Panels *(10 71 16 13-0419)*

Note: Price per panel, not by window size.

10 71 16 13-0421	SF	Up to 7.5 SF Operable Panel	119.88	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*43.54*	
10 71 16 13-0422	SF	>7.5 To 12 SF Operable Panel	100.34	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*20.91*	
10 71 16 13-0423	SF	>12 To 17.5 SF Operable Panel	94.73	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*11.27*	
10 71 16 13-0424	SF	>17.5 To 24 SF Operable Panel	90.20	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*10.87*	
10 71 16 13-0425	SF	>24 SF Operable Panel	80.41	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*9.58*	

10 71 16 13-0426 Operable Panel Options *(10 71 16 13-0419)*

Note: Tasks to be added per panel.

10 71 16 13-0427	EA	For Side Hinge, Add Per Panel	136.37
10 71 16 13-0428	EA	For Top Hinge, Add Per Panel	46.91
10 71 16 13-0429	EA	For Bahama Unit, Add Per Panel	184.80
10 71 16 13-0430	EA	For External Keylocks, Add Per Panel	184.09
10 71 16 13-0431	EA	For Security Egress Option, Add Per Panel	87.70

10 71 16 13-0432 Fixed Panel *(10 71 16 13-0419)*

Note: Price per panel, not by window size.

10 71 16 13-0433	SF	Up to 7.5 SF Fixed Panel	122.17	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*44.68*	
10 71 16 13-0434	SF	>7.5 To 12 SF Fixed Panel	102.10	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*21.44*	
10 71 16 13-0435	SF	>12 To 17.5 SF Fixed Panel	96.18	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.52*	
10 71 16 13-0436	SF	>17.5 To 24 SF Fixed Panel	91.30	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.06*	
10 71 16 13-0437	SF	>24 SF Fixed Panel	81.31	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*9.73*	

10 71 16 16 Movable Storm Panels *(10 71 16)*

10 71 16 16-0001 Roll-Up Shutters *(10 71 16 16)*

10 71 16 16-0002 Shutters *(10 71 16 16-0001)*

10 71 16 16-0003	SF	Hurricane Roll-Up Automatic Shutter	75.25	2.35

10 71 16 16-0004 Motors And Accessories *(10 71 16 16-0001)*

10 71 16 16-0005	EA	49 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	875.09
10 71 16 16-0006	EA	110 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	950.51
10 71 16 16-0007	EA	215 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,009.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 16-0008	EA	261 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,061.60	
10 71 16 16-0009	EA	369 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,206.99	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*
Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	88.20	4.58
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	77.80	4.10
10 73 13 13-0004	SF	Flat Roofed Steel Awning	234.64	4.75
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	241.84	5.35

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	88.13	4.09
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*3.96*	
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	52.43	1.31
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*2.42*	
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings	24.22	
		Note: Includes removal of existing canvas cover.		
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*1.00*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*
Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	8,263.54	278.10
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	15,707.04	445.06
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	10,143.12	347.96
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	19,517.50	465.29

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*
Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	113.22	3.78
		Note: Includes factory applied polyester finish.		
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*42.27*	
		For Wind Load (140 MPH), Add	*52.84*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	120.41	4.06
		Note: Includes factory applied polyester finish.		
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*44.91*	
		For Wind Load (140 MPH), Add	*56.14*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	80.67	3.78
		Note: Includes factory applied polyester finish.		
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*29.25*	
		For Wind Load (140 MPH), Add	*36.56*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	87.89	4.06
		Note: Includes factory applied polyester finish.		
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*31.90*	
		For Wind Load (140 MPH), Add	*39.88*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*
Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	3,568.75	624.59
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	3,801.07	681.35
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,844.70	794.91
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,635.03	908.66
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	11,093.58	1,022.18
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	13,283.17	1,135.59
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	23,554.69	1,249.53
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	30,762.34	1,362.71
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0010		**Free Standing Tapered Aluminum Flagpoles** *(10 75 16)* Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,572.19	567.94
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,082.44	624.59
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,426.23	681.35
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,380.14	794.91
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,445.03	908.66
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,044.07	965.40
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	7,675.21	1,022.18
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	13,412.32	1,135.59
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,676.97	1,249.53
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	18,438.66	1,362.71
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,013.25	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,049.80	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	1,202.88	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	1,273.67	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	1,529.17	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	1,850.73	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	2,198.38	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	2,562.18	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	2,995.67	

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	711.17	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,019.53	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,141.03	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,280.55	

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	74.93	21.93
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	83.06	23.22
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	95.64	24.51
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	135.94	25.80
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	191.79	27.10
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	217.68	28.38
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	194.37	28.38
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	227.64	32.25

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.42	0.04
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.66	0.04
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.49	0.04
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.92	0.04
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	262.99	64.41
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	214.94	38.65
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	19.24	2.57
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.44	0.05

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	1,628.87	498.14
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	1,761.79	547.96
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	1,905.82	597.77
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,204.95	697.41
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)* Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,272.80	448.33
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,439.02	498.14
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,682.67	597.77
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001		Stainless Steel Spiked Bird Barrier *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	9.86	0.41
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.91	0.41
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	17.95	0.41
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)* Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.00	0.41
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.92	0.41
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.93	0.41
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	10.89	0.41
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)* Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	7.01	0.41
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	8.55	0.41
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)* Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	105.12	0.41
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	162.14	0.41
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	210.13	0.41
10 81 13 00-0018		Oriented Flexible Flame-resistant Netting *(10 81 13)* Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.74	0.18
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.69	0.18
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.65	0.18
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.18
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.61	0.18
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.58	0.18
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.55	0.18
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.55	0.18
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.51	0.18
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.63	0.18
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.57	0.18
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.06	
10 81 13 00-0031		Netting Accessories *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.64	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.52	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	17.09	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	24.29	

10 81 16 Insect Control Devices *(10 81)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 16 00-0001		**Insect Screening** *(10 81 16)*		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	136.32	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001		**Security Mirrors** *(10 86)*		
10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	91.04	17.34
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	107.33	17.34
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	245.34	14.45
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	58.93	17.34
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	104.61	17.34
10 86 00 00-0007		**Dome Mirrors** *(10 86)*		
		Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0008		**Steel Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	301.34	10.32
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	358.51	10.83
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	416.72	11.87
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	565.24	12.90
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	214.66	7.74
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	249.86	8.25
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	293.88	9.03
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	417.48	9.81
10 86 00 00-0017		**Plexiglas Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	222.67	11.87
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	326.03	12.90
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	437.56	14.96
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	529.18	18.06
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	774.11	25.80
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	131.07	9.03
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	183.88	9.81
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	247.03	11.35
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	305.61	13.68
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	492.71	19.35
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	78.94	7.74
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	105.63	8.51
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	143.83	9.54
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	180.88	11.35
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	308.07	16.13
10 86 00 00-0033		**Coated Plexiglas Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	272.71	11.87
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	438.31	12.90
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	753.74	18.06
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,167.09	25.80
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	173.06	9.03
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	268.58	9.81
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	430.10	13.68
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	722.15	19.35
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	122.15	7.74
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	178.37	8.51
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	235.61	9.54
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	305.85	11.35
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	483.82	16.13
10 86 00 00-0047		**Circular Convex Security Mirrors** *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0048		**Plexiglas Circular Convex Mirrors** *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	84.86	8.25
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	115.45	9.03
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	186.57	9.81
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	235.80	11.35
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	317.82	13.68
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	575.70	19.35
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	156.70	9.03
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	235.39	9.81
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	337.34	13.68
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	634.28	19.35
10 86 00 00-0059		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	194.78	9.03
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	319.84	9.81
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	435.22	11.35
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	544.82	13.68
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	792.94	19.35
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	239.45	9.03
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	383.30	9.81
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	540.18	11.35
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	608.28	13.68
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	971.12	19.35

END OF SECTION 10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	634.54	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	660.93	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	691.64	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	930.55	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	959.13	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,365.15	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,383.50	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,420.45	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,635.77	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,661.29	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001 Parking Ticket Dispensers *(11 12 16)*

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	11,675.37	80.03
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	15,934.55	80.03

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001 Parking Meters *(11 12 23)*

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	108.78	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

11 12 26 13-0001 Parking Fee Collection Equipment *(11 12 26 13)*

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,708.65	27.12

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001 Barrier Parking Gate Operators *(11 12 33 13)*

11 12 33 13-0002 Barrier Parking Gate Operators *(11 12 33 13-0001)*

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,511.68	220.80
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,486.58	220.80
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,804.50	220.80
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,891.82	220.80
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,081.86	220.80
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,583.82	220.80

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)*

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	20,731.78	441.61
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	24,333.86	441.61
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	20,920.02	441.61
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	24,522.10	441.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0014		Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	231.37	11.11
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	206.27	11.11
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	524.19	11.11
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	806.54	11.11
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	733.34	11.11
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	733.34	11.11
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	900.66	11.11
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	603.86	66.63
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	603.86	66.63
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	572.73	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,494.08	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	1,208.51	22.22
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		Tire Shredding Traffic Control Spikes *(11 12 36)*		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	3,001.25	177.69
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,735.96	88.84
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	4,062.74	88.84
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	2,513.71	33.31
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	1,992.13	44.42
11 13		**Loading Dock Equipment** *(11 10)* Note: Includes all anchor bolts, drilling and fasteners.		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		Laminated Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	105.75	10.31
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	139.18	10.31
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.33	10.31
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	120.00	10.31
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	131.81	10.31
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	152.92	10.31
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.33	10.31
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	261.78	10.31
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	138.86	10.31
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	152.92	10.31
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	193.04	10.31
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	221.50	10.31
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	313.88	10.31
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	176.42	10.31
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	209.51	10.31
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	280.00	10.31
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	157.84	10.31
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	169.51	10.31
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	197.64	10.31
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	240.48	10.31
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	335.27	10.31
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	183.74	10.31
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	193.33	10.31
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	231.37	10.31
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	288.11	10.31
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	447.00	10.31
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	240.64	10.31
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	278.68	10.31
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	283.75	10.31
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	46.26	10.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	50.96	10.31
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	57.23	10.31
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	63.49	10.31
11 13 13 00-0039		**4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	70.83	10.31
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	90.59	10.31
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	96.28	10.31
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	109.24	10.31
11 13 13 00-0044		**6" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	90.65	10.31
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	117.28	10.31
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	139.21	10.31
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	181.06	10.31
11 13 13 00-0049		**Molded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0050		**Rectangular Molded Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	74.12	10.31
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	62.02	10.31
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	89.63	10.31
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	117.47	10.31
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	124.04	10.31
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	86.46	10.31
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	118.57	10.31
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	184.68	10.31
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	96.07	10.31
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	154.79	10.31
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	154.22	10.31
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	244.69	10.31
11 13 13 00-0063		**T And L Shaped Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	145.17	10.31
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	133.80	10.31
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		**Vinyl Loading Dock Seals** *(11 13 16 13)*		
11 13 16 13-0002		**Standard Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	70.24	10.31
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	71.44	10.31
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	72.63	10.31
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	75.03	10.31
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	77.43	10.31
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	79.86	10.31
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	82.29	10.31
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	84.79	10.31
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	87.29	10.31
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	89.68	10.31
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	92.08	10.31
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	96.94	10.31
11 13 16 13-0015		**8" Exposure Wear Pleats, Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	84.49	10.31
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	85.69	10.31
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	86.89	10.31
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	89.32	10.31
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	91.75	10.31
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.15	10.31
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.54	10.31
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.97	10.31
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	101.41	10.31
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	103.80	10.31
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.27	10.31
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.06	10.31
11 13 16 13-0028		**4" Exposure Wear Pleats, Vinyl Loading Dock Seals** *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	92.08	10.31
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	93.31	10.31
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	94.55	10.31
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	96.94	10.31
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	99.34	10.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	101.77	10.31
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.20	10.31
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.60	10.31
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.00	10.31
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.43	10.31
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.86	10.31
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.79	10.31
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	63.89	10.31
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	65.77	10.31
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	69.94	10.31
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	74.05	10.31
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	78.28	10.31
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	82.39	10.31
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	86.55	10.31
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	77.36	10.31
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	79.30	10.31
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	83.47	10.31
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	87.64	10.31
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	91.75	10.31
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.92	10.31
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	100.03	10.31
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	84.67	10.31
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	86.55	10.31
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	90.78	10.31
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	94.89	10.31
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	99.06	10.31
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	103.17	10.31
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	107.39	10.31
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	115.43	12.88
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	80.79	12.37
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	85.21	12.37
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	88.42	12.88
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	91.47	12.88
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,454.88	613.93
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,020.10	682.15
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,107.57	818.58
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,993.89	682.15
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	9,784.63	750.36
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	11,744.12	886.80
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,640.71	613.93
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,218.31	682.15
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	11,293.39	818.58
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,181.48	682.15
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,961.61	750.36
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,106.93	886.80
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,020.90	716.26
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,586.90	818.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,714.50	955.01
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	9,586.90	818.58
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	10,350.65	920.90
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	12,478.24	989.11
11 13 19 13-0023		**35,000 Lb. Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,341.44	750.36
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,908.82	852.69
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,085.68	989.11
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,908.49	852.69
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	10,751.00	955.01
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	12,907.93	1,023.23
11 13 19 13-0030		**40,000 Lb. Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,943.17	750.36
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,510.55	852.69
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,658.62	989.11
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	10,510.22	852.69
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,352.73	955.01
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	13,509.66	1,023.23
11 13 19 13-0037		**45,000 Lb. Hydraulic Dock Levelers** *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,409.85	750.36
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	10,982.68	886.80
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	13,123.93	1,023.23
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,982.68	886.80
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	11,821.46	989.11
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	13,969.53	1,057.33
11 13 19 13-0044		**Manual Dock Levelers** *(11 13 19 13)*		
11 13 19 13-0045		**20,000 Lb. Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	6,490.80	613.93
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	7,072.03	682.15
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	9,147.16	818.58
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	7,035.30	682.15
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	7,826.34	750.36
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	9,983.23	818.58
11 13 19 13-0052		**40,000 Lb. Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	8,156.20	682.15
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	8,722.74	750.36
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	9,352.86	886.80
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	8,722.74	750.36
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	9,970.49	818.58
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	11,722.61	955.01
11 13 19 13-0059		**Edge Of Dock Levelers** *(11 13 19 13)* Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		**Hydraulic Edge Of Dock Levelers** *(11 13 19 13-0059)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	3,947.70	187.82
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,266.12	187.82
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,220.04	187.82
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	4,657.17	187.82
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,166.07	187.82
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,482.36	187.82
11 13 19 13-0067		**Manual Edge Of Dock Levelers** *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	1,919.32	187.82
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,111.15	187.82
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,169.81	187.82
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,313.66	187.82
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	2,635.79	187.82
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,053.21	187.82
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,360.30	187.82
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,404.44	187.82
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	2,985.17	187.82
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,259.51	187.82
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	3,985.52	187.82

11 13 19 23 Stationary Loading Dock Lifts *(11 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 23-0001		**Top Of Ground, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	19,019.42	626.08
11 13 19 23-0003		**Pit Mounted, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	12,312.88	682.15
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	21,537.98	682.15
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	37,622.25	1,091.44
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	40,040.80	1,568.95
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		**Hydraulic Truck Lifts** *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	32,314.53	1,023.23
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	36,879.68	1,227.87
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		**Truck Restraint System** *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	10,373.10	182.93
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	10,885.34	182.93
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	7,610.33	182.93
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	16,891.88	55.53
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		**Communication Lights** *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	308.90	33.34
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	413.21	33.34
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	139.83	26.68
11 13 26 00-0005		**Communication Lights Controls** *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	267.74	44.46
11 13 26 00-0007		**Loading Dock Lights** *(11 13 26)*		
11 13 26 00-0008		**Incandescent Loading Dock Lights** *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	306.75	44.46
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	256.85	44.46
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	382.74	44.46
11 13 26 00-0012		**Metal Halide Loading Dock Lights** *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	479.24	44.46
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	538.38	44.46
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	585.67	44.46
11 13 26 00-0016		**Quartz Halogen Loading Dock Lights** *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	250.20	44.46
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	287.62	44.46
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	319.55	44.46

11 14 Pedestrian Control Equipment *(11 10)*

11 14 13 Pedestrian Gates *(11 14)*

11 14 13 16 Rotary Gates *(11 14 13)*

11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*

11 14 13 16-0002 Mechanical *(11 14 13 16-0001)*

11 14 13 16-0003 Galvanized Steel *(11 14 13 16-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	11,397.67	695.57
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	13,126.88	695.57
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	27,149.23	1,037.76
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	26,195.62	1,037.76
11 14 13 16-0008		**Powder Coated Steel** *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	13,149.13	695.57
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	14,811.59	695.57
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	32,587.98	1,037.76
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	29,069.16	1,037.76
11 14 13 16-0013		**Anodized Aluminum** *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	13,908.84	695.57
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	25,546.06	695.57
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	28,929.30	1,037.76
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	50,849.61	1,037.76
11 14 13 16-0018		**Stainless Steel** *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	23,111.18	695.57
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	26,181.80	695.57
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	37,321.07	1,037.76
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	47,302.18	1,037.76
11 14 13 16-0023		**Transparent** *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	47,796.96	695.67
11 14 13 16-0025		**Mechanical Options** *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	270.19	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	190.72	
11 14 13 16-0028		**Electrical, One-Way** *(11 14 13 16-0001)*		
11 14 13 16-0029		**Galvanized Steel** *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	12,163.73	695.57
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	13,896.13	695.57
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,010.06	1,037.76
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	27,432.13	1,037.76
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	30,010.06	1,037.76
11 14 13 16-0035		**Powder Coated Steel** *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	13,912.02	695.57
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	15,847.85	695.57
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	41,164.11	1,037.76
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	30,321.57	1,037.76
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	32,905.85	1,037.76
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	14,229.89	695.57
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,215.29	695.57
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	26,499.67	695.57
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	30,680.76	1,037.76
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	34,460.24	1,037.76
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	52,499.36	1,037.76
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	24,716.42	695.57
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	26,591.85	695.57
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	43,284.31	1,037.76
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	49,752.96	1,037.76
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	55,153.57	1,037.76
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	43,419.89	695.67
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	46,077.28	695.67
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	47,237.51	695.67
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	78,008.43	1,037.76
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	83,126.13	1,037.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,269.92	695.57
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,053.17	695.57
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	36,087.73	1,037.76
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	29,406.10	1,037.76
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	14,881.52	695.57
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	16,928.61	695.57
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	42,124.08	1,037.76
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,311.43	1,037.76
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,320.18	695.57
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,261.08	695.57
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,767.97	695.57
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	32,902.67	1,037.76
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,562.33	1,037.76
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,790.82	695.57
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	27,698.04	695.57
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	44,072.62	1,037.76
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,342.31	1,037.76
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,346.88	1,037.76
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,341.71	695.67
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	46,840.17	695.67
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,273.77	695.67
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,947.43	1,037.76
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,715.48	1,037.76
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,058.51	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	743.82	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	244.76	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	244.76	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	193.90	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	190.72	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	174.83	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,440.64	
11 14 13 16-0098		**Relocate Rotary Gate** *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	2,043.21	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		**Turnstiles** *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	2,343.49	196.15
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,238.53	196.15
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		**Retractable Barrier** *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	79.26	9.99
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	163.52	9.99
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	205.66	9.99
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	353.13	9.99

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,636.93	226.26
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,206.13	163.35
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	10,208.51	179.38
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	8,525.34	151.05
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,126.05	37.59
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,778.26	49.16
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	6,659.37	117.48
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	9,483.93	169.55
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,693.61	188.56
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	1,851.84	226.26
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,425.24	36.33
11 21 63 00-0020		Meat Case *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,146.29	226.26
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,247.28	226.26
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,205.88	226.26
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,342.35	226.26
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	4,596.92	754.20
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	6,792.17	1,131.31
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,408.55	59.83
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	4,734.96	83.69
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	5,598.61	98.98
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	5,754.87	102.26
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,264.52	110.40
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	7,444.30	130.46
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,097.56	51.76

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		In Room Safes *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	849.06	5.15
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	793.31	5.15
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	826.76	5.15
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	927.10	5.15
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	960.54	5.15
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	993.99	5.15
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	619.06	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	641.35	6.45
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	663.65	6.45

11 28 Office Equipment *(11 20)*

11 28 13 Computers *(11 28)*

11 28 13 00-0001 Accessories *(11 28 13)*

11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,144.34	22.08
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	1,416.99	24.29
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,867.71	26.50
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	2,019.58	28.70
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,477.67	24.29
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,546.29	24.29
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	2,205.45	30.91
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	2,352.91	30.91
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	1,211.47	24.29
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	267.68	24.29
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	165.15	24.29

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens *(11 30 13 13)*

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0003	EA	20" Electric Range With Oven	762.86	44.42
		For Stainless Steel, Add	*168.51*	
11 30 13 13-0004	EA	24" Electric Range With Oven	801.49	44.42
		For Stainless Steel, Add	*178.16*	
11 30 13 13-0005	EA	30" Electric Range With Oven	815.01	44.42
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	937.47	44.42

11 30 13 13-0007 Gas Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0008	EA	20" Gas Range With Oven	859.43	44.42
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0009	EA	24" Gas Range With Oven	909.64	44.42
		For Stainless Steel, Add	*205.20*	
11 30 13 13-0010	EA	30" Gas Range With Oven	955.99	44.42
		For Stainless Steel, Add	*216.79*	

11 30 13 13-0011 Range Hoods *(11 30 13 13)*

11 30 13 13-0012 Venting Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	218.60	33.31
		For Stainless Steel, Add	*22.80*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	196.03	33.31
		For Stainless Steel, Add	*19.41*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	192.07	33.31
		For Stainless Steel, Add	*18.82*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	196.03	33.31
		For Stainless Steel, Add	*19.41*	

11 30 13 13-0017 Non-Ducted Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	221.52	33.31
		For Stainless Steel, Add	*23.23*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	199.02	33.31
		For Stainless Steel, Add	*19.86*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	195.04	33.31
		For Stainless Steel, Add	*19.26*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	199.02	33.31
		For Stainless Steel, Add	*19.86*	

11 30 13 13-0022 Microwaves *(11 30 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 30 13 13-0023 Countertop Microwaves *(11 30 13 13-0022)*

11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	169.47	5.55
		For Stainless Steel, Add	*23.76*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	204.21	5.55
		For Stainless Steel, Add	*28.97*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	210.00	5.55
		For Stainless Steel, Add	*29.84*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	260.24	5.55
		For Stainless Steel, Add	*37.37*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	279.55	5.55
		For Stainless Steel, Add	*40.27*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	298.86	5.55
		For Stainless Steel, Add	*43.16*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	318.18	5.55
		For Stainless Steel, Add	*46.06*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	337.49	5.55
		For Stainless Steel, Add	*48.96*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	358.71	5.55
		For Stainless Steel, Add	*52.14*	

11 30 13 13-0033 Over-The-Range Microwaves *(11 30 13 13-0022)*

11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	560.22	44.40
		For Stainless Steel, Add	*74.04*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	644.06	44.40
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	671.08	44.40
		For Stainless Steel, Add	*90.67*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	873.86	44.40
		For Stainless Steel, Add	*121.09*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	682.68	44.40
		For Stainless Steel, Add	*92.41*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	446.67	33.30

11 30 13 13-0040 Trash Compactors *(11 30 13 13)*

11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,342.25	44.42
		For Stainless Steel, Add	*225.61*	

11 30 13 13-0042 Refrigerators *(11 30 13 13)*

11 30 13 13-0043 Top Freezer Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	662.42	22.22
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	815.01	22.22
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	913.49	22.22
		For Stainless Steel, Add	*130.36*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	971.42	22.22
		For Stainless Steel, Add	*139.05*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,125.93	22.22
		For Stainless Steel, Add	*162.23*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,259.21	22.22
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,357.68	22.22
		For Stainless Steel, Add	*196.99*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,349.53	22.22

11 30 13 13-0052 Side-By-Side Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,396.10	22.22
		For Stainless Steel, Add	*202.75*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,743.94	22.22
		For Stainless Steel, Add	*254.93*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	1,975.70	22.22
		For Stainless Steel, Add	*289.69*	

11 30 13 13-0056 Other Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	211.68	11.11
		For Stainless Steel, Add	*28.42*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	298.59	11.11
		For Stainless Steel, Add	*41.46*	

11 30 13 13-0059 Freezers *(11 30 13 13)*

11 30 13 13-0060 Upright Freezers *(11 30 13 13-0059)*

11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	621.88	22.22
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	815.01	22.22
		For Stainless Steel, Add	*115.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	872.95	22.22
		For Stainless Steel, Add	*124.28*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,008.14	22.22
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,164.55	22.22
		For Stainless Steel, Add	*168.02*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,241.83	22.22
		For Stainless Steel, Add	*179.61*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,299.75	22.22
		For Stainless Steel, Add	*188.30*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	488.60	22.22
		For Stainless Steel, Add	*66.63*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	623.79	22.22
		For Stainless Steel, Add	*86.91*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	672.09	22.22
		For Stainless Steel, Add	*94.15*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	758.98	22.22
		For Stainless Steel, Add	*107.18*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	815.01	22.22
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,008.14	22.22
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,259.21	22.22
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,299.75	22.22
		For Stainless Steel, Add	*188.30*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,402.54	44.42
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,692.23	44.42
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,112.41	44.42
		For Stainless Steel, Add	*153.54*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	706.84	44.42
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0083		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	66.63	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	133.27	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	142.15	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	66.63	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	111.05	
11 30 13 13-0089		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	17.59	
11 30 13 13-0091	EA	4" Burner Element Replacement	35.09	
11 30 13 13-0092	EA	8" Burner Element Replacement	39.99	
11 30 13 13-0093	EA	Burner Manifold Replacement	110.19	
11 30 13 13-0094	EA	Burner Switch Replacement	53.75	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	19.87	
11 30 13 13-0096	EA	Oven Control Replacement	68.60	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	21.21	
11 30 13 13-0098	EA	Oven Element Replacement	65.73	
11 30 13 13-0099	EA	Oven Igniter Replacement	48.19	
11 30 13 13-0100	EA	Oven Knobs Replacement	38.15	
11 30 13 13-0101		**Accessories** *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	14.74	1.78
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	23.74	1.78
11 30 13 13-0104		**Automatic Water Softener** *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,145.48	138.89
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,382.72	138.89
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		**Washing Machines And Dryers** *(11 30 13 23)*		
11 30 13 23-0002		**Washing Machines** *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	858.44	44.42
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,418.52	44.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,901.35	44.42
11 30 13 23-0006		**Dryers** *(11 30 13 23-0001)*		
11 30 13 23-0007		**Electric Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	644.09	44.42
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	839.13	44.42
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,051.57	44.42
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,206.08	44.42
11 30 13 23-0012		**Gas Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	781.19	44.42
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	974.32	44.42
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,167.24	44.42
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,341.27	44.42
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		**Disappearing Folding Access Stairs** *(11 30 33)*		
11 30 33 00-0002		**250 Lb. Capacity, Wood Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	574.03	103.21
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	591.70	103.21
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	591.70	103.21
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	608.94	103.21
11 30 33 00-0007		**350 Lb. Capacity, Wood Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	735.36	103.21
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	771.09	103.21
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	756.40	103.21
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	790.55	103.21
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	776.81	103.21
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	835.83	103.21
11 30 33 00-0014		**400 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	1,725.46	103.21
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	1,800.07	103.21
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	1,874.69	103.21
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	1,924.43	103.21
11 30 33 00-0019		**600 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)*		
		Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,098.54	103.21
		For Ladder Width 18 7/8" Wide, Add	*276.08*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,148.28	103.21
		For Ladder Width 18 7/8" Wide, Add	*283.54*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,173.15	103.21
		For Ladder Width 18 7/8" Wide, Add	*287.27*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,247.77	103.21
		For Ladder Width 18 7/8" Wide, Add	*298.46*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,373.06	103.21
		For Ladder Width 18 7/8" Wide, Add	*313.39*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,497.42	103.21
		For Ladder Width 18 7/8" Wide, Add	*332.04*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,621.78	103.21
		For Ladder Width 18 7/8" Wide, Add	*350.70*	
11 30 33 00-0027		**800 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)*		
		Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,213.59	103.21
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,263.33	103.21
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,313.07	103.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,437.43	103.21
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,537.85	103.21
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,612.47	103.21
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,736.83	103.21
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,936.73	103.21
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,160.58	103.21
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,434.17	103.21
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,682.89	103.21

11 30 33 00-0039 300 Lb. Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	453.52	103.21
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	476.52	103.21
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	459.93	103.21
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	482.91	103.21
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	610.93	103.21

11 30 33 00-0045 300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	437.96	103.21
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	462.54	103.21

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,209.10	376.75
		For Gas Unit, Add	*256.02*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	1,934.68	263.73
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	1,785.25	226.05
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	450.86	77.29
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,044.28	103.07
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	63.92	8.88
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	55.71	8.88

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	2,596.52	414.43
		For Gas Unit, Add	*306.59*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,376.68	339.08
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	594.90	87.60
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,219.42	115.95
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	79.66	8.88
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	63.50	8.88

11 32 13 00-0016 54" Compact Kitchen *(11 32 13)*

11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	3,548.40	527.46
		For Gas Unit, Add	*426.77*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	749.26	51.53
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,356.28	128.83
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	94.04	8.88
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	65.19	8.88

11 32 13 00-0022 60" Compact Kitchen *(11 32 13)*

11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	3,722.50	565.13
		For Gas Unit, Add	*445.35*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	874.86	128.83
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	100.96	8.88
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	65.19	8.88

11 32 13 00-0027 72" Compact Kitchen *(11 32 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	3,995.35	602.81
		For Gas Unit, Add	*478.74*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,074.52	154.60
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	119.14	11.10
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	67.21	11.10

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,195.36	226.26
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,516.06	226.26
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,431.72	226.26
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,401.67	226.26

11 41 13 00-0006 Reach-In Refrigeration *(11 41 13)*

11 41 13 00-0007 Reach-In Refrigerators *(11 41 13 00-0006)*

11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,255.04	68.56
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	10,155.66	86.47
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	13,692.84	95.53
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,047.08	68.56
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,878.56	86.47
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,559.10	95.53
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	10,002.07	68.56
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	13,568.95	86.47
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,310.48	68.56
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	12,025.47	86.47

11 41 13 00-0018 Reach-In Freezers *(11 41 13 00-0006)*

11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	9,337.95	68.65
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	12,411.19	86.35

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,840.23	627.67
		For Refrigerated Boxes Without Floor, Deduct	*-4,500.80*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,699.26	706.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,439.44*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,883.99	784.59
		For Refrigerated Boxes Without Floor, Deduct	*-5,709.47*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,783.17	941.51
		For Refrigerated Boxes Without Floor, Deduct	*-6,382.12*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,843.86	1,098.43
		For Refrigerated Boxes Without Floor, Deduct	*-7,345.02*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,919.41	1,255.35
		For Refrigerated Boxes Without Floor, Deduct	*-8,061.33*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,932.14	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-8,762.28*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,986.76	784.59
		For Refrigerated Boxes Without Floor, Deduct	*-5,985.16*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,328.93	863.05
		For Refrigerated Boxes Without Floor, Deduct	*-6,544.63*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,591.87	1,019.97
		For Refrigerated Boxes Without Floor, Deduct	*-7,307.83*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,111.30	1,176.89
		For Refrigerated Boxes Without Floor, Deduct	*-8,385.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,443.84	1,333.81
		For Refrigerated Boxes Without Floor, Deduct	*-9,166.52*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,900.90	1,490.73
		For Refrigerated Boxes Without Floor, Deduct	*-9,978.23*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,232.56	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-10,759.22*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,674.27	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-11,566.89*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,022.99	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-12,351.92*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,136.01	941.51
		For Refrigerated Boxes Without Floor, Deduct	*-7,470.33*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,766.60	1,098.43
		For Refrigerated Boxes Without Floor, Deduct	*-8,325.70*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,582.70	1,255.35
		For Refrigerated Boxes Without Floor, Deduct	*-9,227.15*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,151.67	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-10,067.16*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,042.45	1,569.19
		For Refrigerated Boxes Without Floor, Deduct	*-10,988.02*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,599.03	1,726.10
		For Refrigerated Boxes Without Floor, Deduct	*-11,823.98*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,508.11	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-12,749.69*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,057.38	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-13,584.85*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,950.40	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-14,505.70*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,521.22	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-15,345.71*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,520.78	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-16,267.38*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,170.16	2,824.53
		For Refrigerated Boxes Without Floor, Deduct	*-17,102.53*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,555.42	1,176.89
		For Refrigerated Boxes Without Floor, Deduct	*-9,246.56*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,858.13	1,333.81
		For Refrigerated Boxes Without Floor, Deduct	*-10,270.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,751.76	1,490.73
		For Refrigerated Boxes Without Floor, Deduct	*-11,190.95*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,034.20	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-12,209.63*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,948.06	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-13,135.34*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,228.14	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-14,153.21*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,118.53	2,118.40
		For Refrigerated Boxes Without Floor, Deduct	*-15,074.06*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,423.60	2,275.32
		For Refrigerated Boxes Without Floor, Deduct	*-16,097.60*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,370.42	2,471.47
		For Refrigerated Boxes Without Floor, Deduct	*-17,018.45*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,758.62	2,706.84
		For Refrigerated Boxes Without Floor, Deduct	*-18,037.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,774.32	2,942.22
		For Refrigerated Boxes Without Floor, Deduct	*-18,962.84*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,156.26	3,177.60
		For Refrigerated Boxes Without Floor, Deduct	*-19,980.71*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,150.25	3,412.98
		For Refrigerated Boxes Without Floor, Deduct	*-20,901.57*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,439.46	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-12,389.11*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,319.82	1,569.19
		For Refrigerated Boxes Without Floor, Deduct	*-13,557.36*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,642.11	1,726.10
		For Refrigerated Boxes Without Floor, Deduct	*-14,834.75*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,524.60	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-16,003.81*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,823.41	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-17,276.36*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,728.65	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-18,450.27*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,029.60	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-19,722.81*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,018.75	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-20,891.87*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,437.08	2,824.53
		For Refrigerated Boxes Without Floor, Deduct	*-22,169.26*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,436.47	3,059.91
		For Refrigerated Boxes Without Floor, Deduct	*-23,337.51*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,834.82	3,295.29
		For Refrigerated Boxes Without Floor, Deduct	*-24,610.86*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,843.42	3,491.44
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.97*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,903.37	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-14,926.92*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,641.15	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-16,308.61*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,175.99	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-17,640.17*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,929.12	2,118.40
		For Refrigerated Boxes Without Floor, Deduct	*-19,026.71*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,466.31	2,275.32
		For Refrigerated Boxes Without Floor, Deduct	*-20,358.27*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,256.45	2,471.47
		For Refrigerated Boxes Without Floor, Deduct	*-21,739.96*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	95,915.58	2,706.84
		For Refrigerated Boxes Without Floor, Deduct	*-23,076.37*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	101,755.21	2,942.22
		For Refrigerated Boxes Without Floor, Deduct	*-24,458.06*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,391.91	3,177.60
		For Refrigerated Boxes Without Floor, Deduct	*-25,789.63*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,248.62	3,412.98
		For Refrigerated Boxes Without Floor, Deduct	*-27,176.16*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,649.62	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-17,535.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,562.88	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-18,961.22*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,823.13	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-20,473.89*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,722.35	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-21,896.00*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,102.08	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-23,412.70*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,099.28	2,824.53
		For Refrigerated Boxes Without Floor, Deduct	*-24,834.81*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,476.31	3,059.91
		For Refrigerated Boxes Without Floor, Deduct	*-26,347.47*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	115,485.88	3,295.29
		For Refrigerated Boxes Without Floor, Deduct	*-27,773.63*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	121,852.72	3,530.67
		For Refrigerated Boxes Without Floor, Deduct	*-29,286.29*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	127,950.50	3,818.35
		For Refrigerated Boxes Without Floor, Deduct	*-30,708.40*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,010.90	627.67
		For Refrigerated Boxes Without Floor, Deduct	*-4,793.46*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,152.00	706.13
		For Refrigerated Boxes Without Floor, Deduct	*-5,552.62*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,371.59	784.59
		For Refrigerated Boxes Without Floor, Deduct	*-6,081.37*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,490.67	941.51
		For Refrigerated Boxes Without Floor, Deduct	*-6,809.00*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,648.38	1,098.43
		For Refrigerated Boxes Without Floor, Deduct	*-7,796.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,943.83	1,255.35
		For Refrigerated Boxes Without Floor, Deduct	*-8,567.44*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,053.58	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-9,292.64*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,597.24	784.59
		For Refrigerated Boxes Without Floor, Deduct	*-6,387.78*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,036.44	863.05
		For Refrigerated Boxes Without Floor, Deduct	*-6,971.50*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,519.28	1,019.97
		For Refrigerated Boxes Without Floor, Deduct	*-7,789.68*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,135.73	1,176.89
		For Refrigerated Boxes Without Floor, Deduct	*-8,891.64*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,688.18	1,333.81
		For Refrigerated Boxes Without Floor, Deduct	*-9,727.60*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,242.25	1,490.73
		For Refrigerated Boxes Without Floor, Deduct	*-10,563.57*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,793.82	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-11,399.53*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,332.54	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-12,231.46*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,901.17	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-13,071.47*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,940.53	941.51
		For Refrigerated Boxes Without Floor, Deduct	*-7,921.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,791.02	1,098.43
		For Refrigerated Boxes Without Floor, Deduct	*-8,831.81*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,704.15	1,255.35
		For Refrigerated Boxes Without Floor, Deduct	*-9,757.52*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,493.02	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-10,652.50*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,480.82	1,569.19
		For Refrigerated Boxes Without Floor, Deduct	*-11,597.61*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,257.31	1,726.10
		For Refrigerated Boxes Without Floor, Deduct	*-12,488.55*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,263.40	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-13,438.51*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,032.58	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-14,328.65*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,022.62	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-15,273.76*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,813.34	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-16,168.74*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,909.92	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-17,114.66*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,779.21	2,785.30
		For Refrigerated Boxes Without Floor, Deduct	*-18,004.80*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,799.75	1,176.89
		For Refrigerated Boxes Without Floor, Deduct	*-9,807.64*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,199.48	1,333.81
		For Refrigerated Boxes Without Floor, Deduct	*-10,855.43*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,313.02	1,490.73
		For Refrigerated Boxes Without Floor, Deduct	*-11,831.26*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,692.47	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-12,874.20*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,826.24	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-13,854.88*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,203.34	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-14,897.01*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,313.64	2,118.40
		For Refrigerated Boxes Without Floor, Deduct	*-15,872.84*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,715.72	2,275.32
		For Refrigerated Boxes Without Floor, Deduct	*-16,920.63*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,882.44	2,471.47
		For Refrigerated Boxes Without Floor, Deduct	*-17,896.46*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,367.67	2,706.84
		For Refrigerated Boxes Without Floor, Deduct	*-18,939.40*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,603.27	2,942.22
		For Refrigerated Boxes Without Floor, Deduct	*-19,920.08*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,082.23	3,177.60
		For Refrigerated Boxes Without Floor, Deduct	*-20,962.21*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,296.12	3,412.98
		For Refrigerated Boxes Without Floor, Deduct	*-21,938.04*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,877.82	1,412.27
		For Refrigerated Boxes Without Floor, Deduct	*-12,998.70*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,978.09	1,569.19
		For Refrigerated Boxes Without Floor, Deduct	*-14,221.93*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,397.41	1,726.10
		For Refrigerated Boxes Without Floor, Deduct	*-15,523.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,499.80	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-16,747.61*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,895.63	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-18,044.41*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,020.77	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-19,273.30*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,418.74	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-20,570.09*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,627.79	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-21,794.13*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,143.14	2,824.53
		For Refrigerated Boxes Without Floor, Deduct	*-23,095.78*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	101,362.43	3,059.91
		For Refrigerated Boxes Without Floor, Deduct	*-24,319.00*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,857.81	3,295.29
		For Refrigerated Boxes Without Floor, Deduct	*-25,616.61*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,086.31	3,530.67
		For Refrigerated Boxes Without Floor, Deduct	*-26,844.69*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,781.55	1,647.64
		For Refrigerated Boxes Without Floor, Deduct	*-15,646.47*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,616.35	1,804.56
		For Refrigerated Boxes Without Floor, Deduct	*-17,052.41*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,371.10	1,961.48
		For Refrigerated Boxes Without Floor, Deduct	*-18,438.95*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,221.24	2,118.40
		For Refrigerated Boxes Without Floor, Deduct	*-19,849.74*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,978.33	2,275.32
		For Refrigerated Boxes Without Floor, Deduct	*-21,236.28*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,865.49	2,471.47
		For Refrigerated Boxes Without Floor, Deduct	*-22,642.22*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,744.53	2,706.84
		For Refrigerated Boxes Without Floor, Deduct	*-24,033.61*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,681.17	2,942.22
		For Refrigerated Boxes Without Floor, Deduct	*-25,439.55*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,537.78	3,177.60
		For Refrigerated Boxes Without Floor, Deduct	*-26,826.09*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,491.51	3,412.98
		For Refrigerated Boxes Without Floor, Deduct	*-28,236.89*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,721.84	1,883.02
		For Refrigerated Boxes Without Floor, Deduct	*-18,303.12*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,855.00	2,039.94
		For Refrigerated Boxes Without Floor, Deduct	*-19,784.25*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,212.26	2,196.86
		For Refrigerated Boxes Without Floor, Deduct	*-21,321.17*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,331.40	2,353.78
		For Refrigerated Boxes Without Floor, Deduct	*-22,798.26*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,808.14	2,589.16
		For Refrigerated Boxes Without Floor, Deduct	*-24,339.22*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,025.24	2,824.53
		For Refrigerated Boxes Without Floor, Deduct	*-25,816.30*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,499.30	3,059.91
		For Refrigerated Boxes Without Floor, Deduct	*-27,353.22*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	119,728.77	3,295.29
		For Refrigerated Boxes Without Floor, Deduct	*-28,834.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	126,192.62	3,530.67
		For Refrigerated Boxes Without Floor, Deduct	*-30,371.27*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	132,510.32	3,818.35
		For Refrigerated Boxes Without Floor, Deduct	*-31,848.36*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.37	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.55	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.58	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	25.22	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.99	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	4.07	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	10.01	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.94	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.58	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-18.26	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.61	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.75	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	17.31	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	56.11	

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,508.21	104.18
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,792.14	121.54
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,676.42	138.89
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,186.88	156.25
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,914.02	173.62
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,865.56	208.34
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,132.31	243.07
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,977.63	277.79

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,686.33	138.89
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,186.88	156.25
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,003.23	173.62
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,759.37	208.34
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,132.31	243.07
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,854.44	277.79

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,924.06	104.18
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,410.12	121.54
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,241.12	138.89
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,483.95	156.25
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,950.16	173.62
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,898.87	208.34
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,616.84	243.07
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,330.51	277.79

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,197.85	138.89
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,501.49	156.25
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,041.37	173.62
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,812.35	208.34
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,643.74	243.07
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,222.93	277.79

11 41 23 00-0206 Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0207			208/230 Volt, 1 Phase *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,288.40	104.18
	11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,491.61	121.54
	11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,775.54	138.89
	11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,218.03	156.25
	11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,844.64	173.62
	11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,254.95	208.34
11 41 23 00-0214			208/230 Volt, 3 Phase *(11 41 23 00-0206)* Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,785.45	138.89
	11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,218.03	156.25
	11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,936.68	173.62
	11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,153.00	208.34
11 41 23 00-0219			Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)* Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220			208/230 Volt, 1 Phase *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,830.25	104.18
	11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,891.86	121.54
	11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,193.18	138.89
	11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,703.77	156.25
	11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,309.13	173.62
	11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,206.39	208.34
11 41 23 00-0227			208/230 Volt, 3 Phase *(11 41 23 00-0219)* Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,404.82	138.89
	11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,807.84	156.25
	11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,393.32	173.62
	11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,121.04	208.34
11 41 23 00-0232			Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233			208/230 Volt, 1 Phase *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,105.45	138.89
	11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,358.90	277.79
11 41 23 00-0236			208/230 Volt, 3 Phase *(11 41 23 00-0232)* Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,111.12	138.89
	11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,879.35	173.62
	11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,353.02	208.34
	11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,128.10	277.79
11 41 23 00-0241			Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242			208/230 Volt, 1 Phase *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,505.38	138.89
	11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,151.45	277.79
11 41 23 00-0245			208/230 Volt, 3 Phase *(11 41 23 00-0241)* Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,517.07	138.89
	11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,678.63	173.62
	11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,115.56	208.34
	11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,550.70	277.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,314.27	121.54
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,793.60	138.89
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,160.70	156.25
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,629.80	173.62
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,464.54	208.34
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,274.63	121.54
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,787.94	138.89
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,106.89	156.25
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,536.34	173.62
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,967.54	208.34
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,240.67	243.07
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,111.50	312.52
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	27,742.49	364.61
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,717.37	121.54
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,024.54	138.89
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,181.74	156.25
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,409.16	173.62
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,800.76	208.34
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,614.48	121.54
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,029.21	138.89
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,164.21	156.25
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,322.63	173.62
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,430.10	208.34
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,756.73	243.07
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,602.94	312.52
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,884.18	364.61
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)* See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,340.11	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,951.32	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,951.32	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,406.88	
11 41 23 00-0288	EA	Heated Air Vent, Kason	709.07	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally	2,018.81	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,124.52	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,431.75	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,787.48	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,164.77	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,277.24	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,277.24	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	178.29	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,332.79	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,111.44	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,276.37	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,494.49	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	786.26	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	915.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	915.62	
11 41 23 00-0304	EA	Locking Devices, Cooler, Mortise Dead Bolt	1,730.56	
11 41 23 00-0305	EA	Locking Devices, Freezer, Mortise Dead Bolt	2,157.44	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,525.53	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,732.50	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,842.45	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	177.87	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	145.53	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	449.51	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	242.54	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	530.51	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	375.28	
11 41 23 00-0315	EA	4" Screed Door	844.90	
11 41 23 00-0316	EA	Doors Cut For Tile	1,077.74	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,077.74	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,788.48	
11 41 23 00-0319	EA	57-1/2" Door Section	595.89	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	608.40	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	305.50	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	592.08	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	773.18	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	78.31	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	104.99	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	157.54	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	258.60	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	41.09	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	13.68	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	56.59	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	23.31	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	87.32	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	113.01	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	53.67	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.79	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	66.67	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	118.23	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	146.48	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	658.00	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	583.62	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,042.11	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	156.74	
11 41 23 00-0343	LF	Extra Capillary Tubing	26.45	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,412.69
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*368.02*
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,081.48
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*401.33*
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,310.48
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*412.65*
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,992.21
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*446.60*
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,794.33
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*436.58*
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,459.89
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.73*
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,656.53
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*479.43*
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,606.69
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.80*
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,175.96
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*505.14*
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,844.77
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.45*
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,089.92
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*550.57*
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,761.95
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,582.41
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*674.94*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,104.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*402.62*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,670.06	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*430.76*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,941.09	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*444.18*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,697.20	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*481.85*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,460.51	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.89*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,213.39	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*507.40*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,487.65	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*520.98*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,240.54	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*558.50*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,003.85	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,756.73	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,030.99	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*597.63*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,783.87	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*635.14*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,547.18	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*623.17*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,211.27
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,508.79
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,537.90
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,913.03
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,294.63
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,566.28
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,582.45
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,332.72
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,365.78
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,407.10
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,772.53
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,895.42
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,648.92
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,379.78
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,515.61
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	8,016.86
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,447.35
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,631.68
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,187.91
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,650.36
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,867.03
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,814.57

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,035.27
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,089.63
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,221.60
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,288.89
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,397.62
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,206.05
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,231.30
		For Cantilever Shelving, Add	*402.00*
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,366.51
		For Cantilever Shelving, Add	*402.00*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,427.35	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,636.30	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,318.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,327.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,527.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,530.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,771.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	867.11	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	908.53	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,001.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,017.24	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,164.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	960.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,030.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,091.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,100.72	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,309.68	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,059.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,098.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,181.57	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,222.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,438.42	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,451.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,738.29	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,789.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,841.57	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,444.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,571.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,731.10	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,027.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,148.16	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,859.36	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,780.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,037.67	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,334.46	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,454.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,401.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,217.75	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,317.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,433.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,539.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,667.40	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,462.92	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,494.63	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,658.94	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,739.17	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,996.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,601.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,649.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,836.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,871.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,160.95	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,014.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,065.15	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,180.94	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,199.72	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,382.82	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,158.93	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,242.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,432.57	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,409.31	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,582.71	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,281.20	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,329.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,435.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,483.07	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,753.48	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,993.55	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,351.62	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,415.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,479.41	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,232.29	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,143.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,341.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,712.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,861.98	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,749.68	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,403.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,724.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,094.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,244.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,426.41	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,808.50	40.25
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	5,025.29	53.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	5,768.28	60.91
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	3,692.07	38.86
11 41 31 00-0006		**Mobile Sheet Pan Truck** *(11 41 31)*		
11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	359.10	4.70
11 41 31 00-0008		**Pot And Utensil Rack** *(11 41 31)*		
11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	1,045.84	14.32
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	1,213.20	16.18
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	1,442.02	19.40
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	784.09	10.59
11 41 31 00-0013		**Tray And Silverware Cart** *(11 41 31)*		
11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	3,620.84	48.34
11 41 31 00-0015		**Flat Top Utility Units** *(11 41 31)*		
11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,468.47	33.04
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	3,308.20	44.16
11 41 33		**Foodservice Shelving** *(11 41)*		
11 41 33 00-0001		**Shelving/Racks** *(11 41 33)*		
11 41 33 00-0002		**Chrome Shelving Units** *(11 41 33 00-0001)*		
11 41 33 00-0003		**54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	254.60	17.89
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	270.75	18.04
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	290.89	18.19
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	303.17	18.34
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	327.17	18.48
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	347.38	18.63
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	363.54	18.78
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	399.84	19.08
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	282.54	18.04
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	294.83	18.19
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	307.13	18.34
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	342.98	18.48
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	367.05	18.63
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	398.95	18.78
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	411.15	18.92
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	455.42	19.23
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	298.78	18.19
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	326.72	18.34
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	346.94	18.48
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	370.92	18.63
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	387.17	18.78
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	426.97	18.92
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	447.08	19.08
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	499.17	19.37
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	334.71	18.34
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	350.89	18.48
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	363.09	18.63
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	395.07	18.78
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	415.18	18.92
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	454.99	19.08
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	482.92	19.23
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	550.81	19.52
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	461.12	18.48
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	524.44	18.63
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	564.33	18.78
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	655.33	18.92
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	514.02	19.08
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	573.56	19.23
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	648.69	19.37
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	770.21	19.66
11 41 33 00-0044		**63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	258.47	17.89
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	274.63	18.04
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	294.75	18.19
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	307.05	18.34
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	331.04	18.48
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	351.23	18.63
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	367.42	18.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	403.69	19.08
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	286.39	18.04
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	298.70	18.19
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	311.00	18.34
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	346.84	18.48
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	370.92	18.63
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	402.80	18.78
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	415.02	18.92
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	421.04	19.23
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	302.65	18.19
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	330.59	18.34
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	350.79	18.48
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	374.78	18.63
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	391.04	18.78
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	430.82	18.92
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	450.96	19.08
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	503.04	19.37
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	338.58	18.34
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	354.75	18.48
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	366.97	18.63
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	398.95	18.78
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	419.06	18.92
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.85	19.08
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	486.77	19.23
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	554.68	19.52
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	464.97	18.48
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	528.32	18.63
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	568.19	18.78
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	659.18	18.92
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	517.87	19.08
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	577.41	19.23
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	652.61	19.37
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	774.06	19.66
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	260.49	17.89
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	276.64	18.04
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	296.76	18.19
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	309.07	18.34
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	333.06	18.48
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	353.25	18.63
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	369.43	18.78
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	405.71	19.08
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	288.43	18.04
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	300.72	18.19
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	313.02	18.34
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	348.87	18.48
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	372.94	18.63
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	404.82	18.78
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	417.04	18.92
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	461.31	19.23
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	304.67	18.19
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	332.61	18.34
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	352.81	18.48
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	376.79	18.63
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	393.06	18.78
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	432.84	18.92
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	452.98	19.08
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	505.06	19.37
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	340.60	18.34
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	356.76	18.48
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	368.98	18.63
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	400.97	18.78
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	421.07	18.92
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.88	19.08
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	488.79	19.23
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	556.70	19.52
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	466.99	18.48
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	530.33	18.63
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	570.22	18.78
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	661.20	18.92
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	519.89	19.08
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	579.43	19.23
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	654.60	19.37
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	776.08	19.66
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	266.36	17.89
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	282.54	18.04
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	302.65	18.19
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	314.96	18.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	338.95	18.48
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	359.14	18.63
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	375.32	18.78
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	411.60	19.08
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	294.30	18.04
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	306.61	18.19
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	318.91	18.34
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	354.75	18.48
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	378.81	18.63
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	410.71	18.78
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	422.93	18.92
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	467.18	19.23
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	310.56	18.19
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	338.50	18.34
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	358.70	18.48
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	382.68	18.63
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	398.95	18.78
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	438.73	18.92
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	458.85	19.08
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	510.95	19.37
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	346.49	18.34
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	362.65	18.48
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	374.87	18.63
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	406.84	18.78
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.97	18.92
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.75	19.08
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	494.68	19.23
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	562.59	19.52
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	472.88	18.48
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	536.22	18.63
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	576.09	18.78
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	667.09	18.92
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	525.78	19.08
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	585.32	19.23
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	660.51	19.37
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	781.97	19.66
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	282.10	17.89
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	298.25	18.04
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	318.37	18.19
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	330.67	18.34
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	354.67	18.48
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	374.87	18.63
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	391.04	18.78
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	427.34	19.08
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	310.03	18.04
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	322.32	18.19
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	334.63	18.34
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	370.48	18.48
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	394.54	18.63
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	426.45	18.78
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	438.65	18.92
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	482.92	19.23
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	326.28	18.19
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	354.22	18.34
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	374.43	18.48
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	398.40	18.63
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	414.66	18.78
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	454.46	18.92
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	474.58	19.08
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	526.66	19.37
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	362.20	18.34
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	378.37	18.48
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	390.59	18.63
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	422.57	18.78
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.68	18.92
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	482.49	19.08
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	510.40	19.23
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	578.30	19.52
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	488.60	18.48
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	551.94	18.63
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	591.83	18.78
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	682.81	18.92
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	541.50	19.08
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	601.04	19.23
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	676.25	19.37
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	797.68	19.66
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	340.17	17.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	360.25	18.04
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	385.31	18.19
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	400.56	18.34
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	430.45	18.48
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	455.59	18.63
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.69	18.78
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	520.83	19.08
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	374.97	18.04
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	390.24	18.19
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	405.50	18.34
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	450.20	18.48
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	480.17	18.63
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	519.94	18.78
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	535.08	18.92
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	590.19	19.23
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	395.19	18.19
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	430.00	18.34
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	455.15	18.48
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	485.00	18.63
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	505.22	18.78
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	554.85	18.92
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	579.90	19.08
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	644.78	19.37
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	439.98	18.34
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	460.08	18.48
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.24	18.63
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	515.11	18.78
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	540.13	18.92
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	589.76	19.08
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	624.56	19.23
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	709.22	19.52
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	597.87	18.48
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	676.93	18.63
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	726.66	18.78
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	840.30	18.92
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	663.55	19.08
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	737.86	19.23
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	831.75	19.37
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	983.34	19.66
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	282.96	17.89
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	299.45	18.04
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	320.05	18.19
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	336.54	18.34
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	361.17	18.48
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	381.66	18.63
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	402.26	18.78
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	435.25	19.08
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	311.50	18.04
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	324.08	18.19
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	348.59	18.34
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	377.22	18.48
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	401.81	18.63
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	434.36	18.78
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	458.97	18.92
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	496.11	19.23
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	328.08	18.19
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	360.72	18.34
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	381.22	18.48
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	405.83	18.63
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	422.33	18.78
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	467.00	18.92
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	487.60	19.08
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	548.76	19.37
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	368.74	18.34
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	385.24	18.48
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	397.81	18.63
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	430.36	18.78
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	467.00	18.92
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	507.65	19.08
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	540.28	19.23
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	613.57	19.52
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	290.99	17.89
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	307.48	18.04
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	328.08	18.19
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	344.57	18.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	369.19	18.48
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	389.69	18.63
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	410.29	18.78
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	443.28	19.08
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	319.53	18.04
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	332.10	18.19
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	356.62	18.34
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	385.24	18.48
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	409.84	18.63
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	442.39	18.78
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	467.00	18.92
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	504.08	19.23
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	336.10	18.19
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	368.74	18.34
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	389.25	18.48
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	413.86	18.63
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	430.36	18.78
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	475.02	18.92
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	495.62	19.08
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	556.78	19.37
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	376.77	18.34
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	393.27	18.48
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	405.83	18.63
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	438.38	18.78
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	475.02	18.92
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	515.68	19.08
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	548.31	19.23
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	621.60	19.52
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	299.01	17.89
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	315.50	18.04
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	336.10	18.19
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	352.60	18.34
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	377.22	18.48
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	397.71	18.63
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.31	18.78
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	451.30	19.08
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	327.55	18.04
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	340.13	18.19
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	364.64	18.34
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	393.27	18.48
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	417.86	18.63
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	450.41	18.78
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	475.02	18.92
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	512.11	19.23
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	344.13	18.19
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	376.77	18.34
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	397.27	18.48
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	421.88	18.63
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	438.38	18.78
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.05	18.92
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	503.65	19.08
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	564.81	19.37
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	384.79	18.34
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	401.29	18.48
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	413.86	18.63
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	446.41	18.78
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.05	18.92
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	523.70	19.08
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	556.33	19.23
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	629.62	19.52
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	319.16	17.89
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	335.65	18.04
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	356.25	18.19
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	372.74	18.34
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	397.37	18.48
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	417.86	18.63
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	438.46	18.78
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	471.45	19.08
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	347.70	18.04
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	360.28	18.19
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	384.79	18.34
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	413.42	18.48
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	438.01	18.63
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	470.56	18.78
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	495.17	18.92
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	532.26	19.23
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	364.28	18.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	396.92	18.34
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	417.42	18.48
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	442.03	18.63
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	458.53	18.78
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	503.20	18.92
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	523.80	19.08
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	584.96	19.37
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	404.94	18.34
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	421.44	18.48
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	434.01	18.63
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	466.56	18.78
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	503.20	18.92
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	543.85	19.08
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	576.48	19.23
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	649.77	19.52
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.82	18.34
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	639.07	18.63
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	720.38	18.92
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	769.51	19.23
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	634.99	18.63
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	740.46	18.92
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	821.76	19.23
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	943.29	19.52
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	585.85	18.34
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	647.11	18.63
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	728.41	18.92
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	777.54	19.23
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	643.01	18.63
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	748.48	18.92
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	829.79	19.23
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	951.31	19.52
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	593.88	18.34
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	655.14	18.63
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	736.46	18.92
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	785.56	19.23
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	651.04	18.63
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	756.51	18.92
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	837.82	19.23
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	959.36	19.52
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	614.03	18.34
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	675.27	18.63
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	756.59	18.92
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	805.71	19.23
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	671.19	18.63
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	776.66	18.92
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	857.97	19.23
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	979.49	19.52
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	592.56	18.34
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	694.92	18.63
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	824.41	18.92
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	960.04	19.23
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	703.54	18.63
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	821.02	18.92
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	975.16	19.23
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,178.94	19.52
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	614.15	18.34
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	716.51	18.63
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	849.07	18.92
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	981.62	19.23
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	725.13	18.63
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	842.60	18.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	996.74	19.23
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,200.53	19.52
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	635.73	18.34
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	738.09	18.63
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	870.65	18.92
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,003.21	19.23
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	746.71	18.63
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	864.19	18.92
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,018.33	19.23
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,222.11	19.52
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,273.57	18.34
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,413.05	18.63
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,598.52	18.92
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,710.16	19.23
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,535.79	18.63
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,818.18	18.92
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,023.88	19.23
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,331.97	19.52
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,313.77	18.34
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,455.69	18.63
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,644.46	18.92
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,758.01	19.23
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,576.01	18.63
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,858.39	18.92
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,066.35	19.23
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,377.91	19.52
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,353.99	18.34
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,495.13	18.63
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,682.91	18.92
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,795.92	19.23
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,616.22	18.63
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,898.61	18.92
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,105.28	19.23
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,414.82	19.52
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	234.31	13.18
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	248.23	13.56
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	264.29	13.92
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	295.30	14.29
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	322.05	14.65
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	255.66	13.18
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	282.41	13.56
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	298.47	13.92
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	327.34	14.29
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	360.49	14.65
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	709.44	13.92
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	901.32	14.29
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,558.75	14.65
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	780.86	13.92
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	984.03	14.29
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,704.72	14.65
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	3,086.66	22.21
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,225.23	22.21

11 42 Food Preparation Equipment *(11 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13		**Food Preparation Appliances** *(11 42)*		
11 42 13 00-0001		Vertical Cutter Mixers *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	18,153.99	92.65
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	20,981.75	102.94
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	25,967.14	148.24
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	28,893.55	185.30
11 42 13 00-0006		Choppers *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	4,260.08	82.36
11 42 13 00-0008	EA	Choppers, 16 Lb.	6,279.75	107.06
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	10,522.03	117.06
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	12,010.56	117.06
11 42 13 00-0011		Stand Model Mixer *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,282.54	40.68
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,626.22	40.68
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,499.42	40.68
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,634.67	39.12
11 42 13 00-0016		Floor Model Mixer *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,516.48	40.68
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,900.27	45.21
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,520.24	50.85
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,437.44	39.12
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,662.40	40.15
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,896.48	41.18
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,707.04	51.48
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,701.91	65.88
11 42 13 00-0025		Slicers *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	732.61	12.71
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,084.80	12.71
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,579.83	12.71
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,711.34	12.71
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,994.21	12.71
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,182.31	12.71
11 42 13 00-0032		Peelers *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,623.53	66.92
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,167.95	78.03
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,592.70	89.23
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	5,924.56	66.92
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,185.24	78.03
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	12,973.61	89.23
11 42 13 00-0039		Proof Boxes *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,274.46	48.34
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,478.95	81.00
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,329.59	36.77
11 42 13 00-0043		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,453.25	46.32
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,704.89	49.53
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,429.89	45.94
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,635.18	48.70
11 42 13 00-0048		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	5,573.42	58.95
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	5,824.25	61.64
11 42 13 00-0051		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,653.53	86.47
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,162.57	86.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,494.12	90.59
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,533.96	90.59

11 42 16 Food Preparation Surfaces *(11 42)*

11 42 16 00-0001 Tables *(11 42 16)*

11 42 16 00-0002 Baker's Table *(11 42 16 00-0001)*

11 42 16 00-0003	EA	4' Open Base Baker's Table	882.17	26.28
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,731.42	51.53
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,136.30	63.59
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,291.16	68.28
11 42 16 00-0007	EA	10' Bins Baker's Table	3,370.89	100.48
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,293.31	157.74

11 42 16 00-0009 Preparation Table, Stainless Steel, With Under Shelf *(11 42 16 00-0001)*

11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,191.13	13.86
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,280.01	16.64
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,940.29	22.63

11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*

11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,254.21	14.59
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,611.99	18.75
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,384.69	16.13
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,666.73	19.43
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	336.70	3.91

11 42 16 00-0019 Mobile Tables *(11 42 16 00-0001)*

11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,201.16	12.42
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,711.89	14.89
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,435.24	16.75

11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*

11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,563.30	29.89
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,079.21	24.22
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	172.57	2.01
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	252.52	2.94
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,111.19	75.71
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,168.04	151.05

11 42 16 00-0030 Basic Table *(11 42 16 00-0001)*

11 42 16 00-0031	LF	Table, Basic	287.59	12.35

11 42 16 00-0032 Table With Sink *(11 42 16)*

11 42 16 00-0033	LF	Table With Sink	359.30	28.96

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001 Stainless Steel Scullery Sinks *(11 42 23)*

Note: Excludes faucet. See CSI section 22 42 39 00-0072 for service sink faucets.

11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	2,989.75	121.54
		For Additional Drain Board, Add	*285.09*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	4,302.72	138.89
		For Additional Drain Board, Add	*412.91*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,760.13	138.89
		For Additional Drain Board, Add	*555.18*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	8,252.77	138.89
		For Additional Drain Board, Add	*797.50*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	5,088.53	138.89
11 42 23 00-0007	EA	66" Wide x 33-1/2", Stainless Steel Scullery Sink, Triple Compartment	6,974.85	264.66
		Note: 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA	99" Wide x 33", Stainless Steel Scullery Sink, Triple Compartment	6,844.76	269.11
		Note: With left and right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA	82-1/2" Wide x 33-1/2", Stainless Steel Scullery Sink, Triple Compartment	6,543.76	269.11
		Note: With left or right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA	21" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment	3,405.10	147.64
		Note: 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0011	EA	36-1/2" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment	3,680.59	147.64
		Note: With left or right 18" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0012	EA	42-1/2" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment	3,846.40	147.64
		Note: With left or right 24" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001 Range *(11 44 13)*

11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	2,804.20	41.18
11 44 13 00-0003	EA	Range With Fry Top	2,804.20	41.18
11 44 13 00-0004	EA	Steel Finish Fry Top	6,177.26	90.92
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,175.59	89.88
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,135.23	104.65
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L) Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.	6,417.49	93.23
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,828.29	44.42

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001 Bake Oven *(11 44 16)*

11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,226.84	194.81
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,226.84	194.81
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	28,929.82	194.81
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	28,929.82	194.81
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	41,438.19	222.65
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	41,438.19	222.65
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	60,856.23	222.65
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	60,856.23	222.65
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,061.97	278.31
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,061.97	278.31
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	93,185.60	278.31
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	93,185.60	278.31

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,979.60	11.10
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,910.24	11.10
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,649.12	11.10
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	7,103.77	11.10
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	7,394.61	11.10
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	7,394.61	11.10
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	7,394.61	11.10
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	7,394.61	11.10
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	7,394.61	11.10
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	13,782.26	11.10
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,775.78	11.10
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,810.52	11.10
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,561.47	11.10
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	6,050.23	11.10
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	14,506.34	11.10
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,947.15	11.10
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	9,046.74	11.10
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,236.59	11.10
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,236.59	11.10
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	18,912.41	11.10
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	18,912.41	11.10
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	10,014.60	11.10
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	9,979.60	11.10
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	12,179.61	11.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	10,605.93	11.10
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,853.78	11.10
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	12,431.84	11.10
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	11,004.18	11.10
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	13,384.01	11.10
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	13,981.38	11.10
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	10,557.66	11.10
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	10,135.28	11.10
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	10,135.28	11.10
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,678.34	11.10
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,678.34	11.10
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	11,606.38	11.10
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,559.89	11.10
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,559.89	11.10
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,211.57	11.10
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,211.57	11.10
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	14,583.58	11.10
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,955.91	11.10

11 44 16 00-0057 Combination Ovens *(11 44 16)*

Note: Convection, steam and combination modes.

11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,491.06	72.06
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	41,943.88	82.36
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,600.48	82.36
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	83,838.40	102.94
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	63,562.65	102.94

11 44 16 00-0063 Broiler, Without Oven *(11 44 16)*

11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	7,950.37	65.88
11 44 16 00-0065	EA	Conveyor Broiler	7,009.09	76.47

11 44 16 00-0066 Oven Stands *(11 44 16)*

11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	2,043.49	

11 44 16 00-0068 Countertop Electric Convection Type Ovens *(11 44 16)*

11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	235.66	5.55
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	388.26	5.55
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	459.33	5.55
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	594.07	5.55
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,088.11	5.55
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,267.77	5.55
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	208.71	5.55
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	352.43	5.55
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,024.38	5.55
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	931.05	5.55
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,269.38	5.55
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,064.61	5.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0081		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,498.57	22.22
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,921.58	44.42
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,921.58	44.42
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,921.58	44.42
11 44 16 00-0086	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,921.58	44.42
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,793.93	44.42
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,396.97	22.22
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,396.97	22.22
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,123.50	22.22
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,396.97	22.22
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,396.97	22.22
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,247.01	44.42
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,902.92	22.22
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,805.84	44.42
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,793.93	44.42
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,744.06	44.42
11 44 16 00-0098		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	4,644.49	22.22
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	9,210.94	44.42
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	15,955.98	44.42
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	15,275.67	44.42
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	14,255.21	44.42
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	7,977.99	22.22
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,022.41	44.42
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	22,336.85	44.42
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,127.61	22.22
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	19,577.61	44.42
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	29,141.91	44.42
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	22,336.85	44.42
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	18,277.02	44.42
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	16,256.11	44.42
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	7,637.84	22.22
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)	9,635.38	82.36
		For 5" Swivel Plate Casters, Set of 4, Add	*671.37*	
11 44 16 00-0115		**Liquid Propane Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	9,210.94	44.42
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	15,955.98	44.42
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	7,977.99	22.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	30,198.38	44.42
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	14,255.21	44.42
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	15,275.67	44.42
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	7,637.84	22.22
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,127.61	22.22
11 44 16 00-0124		**Countertop Pizza Oven** *(11 44 16)*		
11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,777.93	11.10
11 44 16 00-0126		**Rotary Deck Pizza Oven** *(11 44 16)*		
11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	39,870.72	44.42
11 44 16 00-0128		**Triple Conveyor Oven** *(11 44 16)*		
11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,310.78	88.84
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,310.78	88.84
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,072.07	88.84
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,237.21	88.84
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,237.21	88.84
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,072.07	88.84
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,072.07	88.84
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		**Drop-In Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,323.10	56.62
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,230.47	56.62
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,141.48	61.76
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,587.15	61.76
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	11,048.28	66.92
11 44 19 00-0007		**Countertop Griddle** *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	407.72	70.86
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	546.54	70.86
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	627.52	70.86
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	834.62	70.86
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	920.80	70.86
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,230.03	70.86
11 44 19 00-0014		**Panini Sandwich Grill** *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	486.87	44.42
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	356.36	44.42
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	356.36	44.42
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	356.36	44.42
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	805.13	44.42
11 44 19 00-0020		**Electric Countertop Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	785.79	44.42
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	1,808.17	44.42
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	6,916.89	44.42
11 44 19 00-0024		**Electric Floor Fryer, With Basket** *(11 44 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,848.12	82.36
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,202.35	82.36
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,546.22	107.06
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	24,127.51	107.06
11 44 19 00-0029		Natural Gas Floor Fryer, With Basket *(11 44 19)*		
11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,218.99	71.07
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,383.30	88.84
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	1,915.10	177.69
11 44 19 00-0033		Steam Jacketed Kettles *(11 44 19)*		
11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,016.32	11.10
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	11,572.92	11.10
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,196.37	11.10
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	9,589.55	11.10
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	33,721.99	11.11
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	59,376.66	44.42
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	140,526.96	44.42
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	30,835.40	44.42
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	30,835.40	44.42
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	56,591.21	44.42
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	20,583.05	44.42
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	45,522.80	44.42
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	57,008.85	44.42
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	40,537.30	44.42
11 44 19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	37,391.87	44.42
11 44 19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	115,606.43	44.42
11 44 19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	119,286.58	44.42
11 44 19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	55,463.83	88.84
11 44 19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	38,616.57	88.84
11 44 19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	55,185.98	88.84
11 44 19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	45,823.09	88.84
11 44 19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	47,490.17	88.84
11 44 19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	19,871.56	88.84
11 44 19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	57,616.70	88.84
11 44 19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	57,317.88	88.84
11 44 19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	63,538.84	88.84
11 44 19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	42,985.22	88.84
11 44 19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	26,136.21	88.84
11 44 19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	139,773.53	88.84
11 44 19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	46,130.65	88.84
11 44 19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	57,616.70	88.84
11 44 19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	134,143.22	88.84
11 44 19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	43,953.31	88.84
11 44 19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	133,778.00	88.84
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	45,464.86	88.84
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	157,980.32	88.84
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	23,808.59	88.84

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11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	45,823.09	88.84
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	45,569.71	88.84
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	134,531.15	88.84
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	19,871.56	88.84
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	55,463.83	88.84
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,036.28	88.84
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	25,860.11	88.84
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	45,372.25	88.84
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	60,596.12	88.84
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	23,535.99	88.84
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	16,303.25	88.84
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	17,339.49	88.84
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	27,121.78	88.84
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	20,231.54	88.84
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	16,362.66	88.84
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	41,014.08	88.84
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	8,752.48	88.84
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	28,832.54	88.84
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	12,322.54	88.84
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	31,160.16	88.84
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	19,445.18	88.84
11 44 19 00-0092		**Steamers, Electric** *(11 44 19)*		
11 44 19 00-0093		**Cooking Equipment/ Steamers** *(11 44 19 00-0092)*		
11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer	11,431.78	86.47
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer	15,166.13	90.59
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	10,546.85	86.47
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	15,548.22	90.59
11 44 19 00-0098		**Braising Pans** *(11 44 19)*		
11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan	9,551.53	130.01
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan	10,079.97	136.72
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan	10,735.93	145.60
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	12,451.54	169.55
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	12,876.28	174.77
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	13,379.07	179.38
11 44 19 00-0105		**Toasters** *(11 44 19)*		
11 44 19 00-0106	EA	Bun Toaster 3.2 KW	1,878.12	20.09
11 44 19 00-0107	EA	Bun Toaster 4.3 KW	2,049.83	21.90
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	701.48	44.59
11 44 19 00-0109	EA	Conveyor Toaster	1,267.07	66.92
11 44 19 00-0110		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	186.15	5.55
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	205.61	5.55
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	270.44	5.55
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	348.25	5.55
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	439.03	5.55
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	270.44	5.55
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	317.78	5.55
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	571.31	5.55
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	699.70	5.55
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,481.66	5.55
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	399.88	5.55
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	549.33	5.55
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	419.59	5.55
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	367.72	5.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	723.04	5.55
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	328.81	5.55
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	697.10	5.55
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	774.91	5.55
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,307.89	5.55
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,213.22	5.55
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,429.79	5.55
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,339.01	5.55
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,505.00	5.55
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	4,078.48	5.55
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	5,408.99	5.55
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,680.07	5.55
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	5,263.10	5.55
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	3,244.00	5.55
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	865.68	5.55
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	917.56	5.55
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	982.40	5.55
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,380.34	5.55
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	787.88	5.55
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,738.42	5.55
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,750.10	5.55
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,632.09	5.55
11 44 19 00-0147	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,820.12	5.55
11 44 19 00-0148	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,645.06	5.55
11 44 19 00-0149	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,975.56	5.55
11 44 19 00-0150	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,909.25	5.55
11 44 19 00-0151		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0152	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	7,870.45	106.59
11 44 19 00-0153	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	7,870.45	106.59
11 44 19 00-0154	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	9,781.46	133.07
11 44 19 00-0155		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0156	EA	2 Burners Gas Countertop Hot Plate	1,003.38	13.58
11 44 19 00-0157		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0158	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,252.48	13.43
11 44 19 00-0159	EA	Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,192.62	68.77
11 44 19 00-0160	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	53,583.52	
11 44 19 00-0161	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,069.99	5.77
11 44 19 00-0162	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	616.77	5.77
11 44 19 00-0163	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,599.75	61.76
11 44 19 00-0164	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,499.01	119.01
11 44 19 00-0165	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,660.19	119.01
11 44 19 00-0166	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	20,763.65	86.47
11 44 19 00-0167	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	38,257.09	145.45
11 44 19 00-0168	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,864.07	74.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,886.03	27.98
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,118.72	169.32
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	281.17	13.89
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,228.77	188.56
11 44 19 00-0173	EA	20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	14,339.11	5.77
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,343.73	77.74
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,638.63	90.25
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,127.49	2.67
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	27,016.29	131.86
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM)	23,663.96	113.02
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,536.72	59.30
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,119.78	102.94
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	18,176.30	131.86
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,593.35	34.31
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	17,057.52	92.65
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,757.10	92.65
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,375.07	82.36
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,425.84	44.42
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,126.69	44.42
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,457.93	44.42
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	969.40	22.22
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	352.98	33.31
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,702.47	22.22
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	33,088.43	61.76
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,544.48	44.42
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,747.91	56.62
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,825.80	56.62
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	39,447.99	41.18
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,642.12	93.23
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,219.92	70.01
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,219.92	70.01
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,219.92	70.01
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,637.31	82.36
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,134.68	156.73
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,265.09	33.31
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,306.10	149.79
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	31,376.97	113.02
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,575.02	22.22
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,557.89	86.47
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,324.55	86.47
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,679.24	86.47
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,283.03	86.47
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,472.74	86.47
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	50,911.72	41.18

11 44 19 00-0213 Other Kettles *(11 44 19)*

11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,871.21	74.59
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	7,710.22	74.59

11 44 19 00-0216 Charbroilers *(11 44 19)*

11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	902.22	44.42
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	687.36	59.22
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	469.05	44.42
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	930.31	50.77
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,622.22	50.77
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	931.85	59.22
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,239.37	59.22
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,123.52	71.07
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,138.89	71.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	1,915.90	59.22
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,538.09	71.07
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,522.72	71.07
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,245.95	71.07
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,652.23	88.84
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,558.83	88.84
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG CPG)	2,098.13	88.84
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,481.38	88.84

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	20,887.39	48.67
11 46 13 00-0003	EA	Soft Serve Machines, Large	35,374.98	59.46

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	12,927.56	289.03
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	11,831.95	289.03
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	8,367.36	158.80
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	6,612.32	130.46
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,052.89	191.40
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	11,117.12	169.55
11 46 13 00-0011	EA	Salad Bar Tray Fixed	2,593.01	28.72
11 46 13 00-0012	EA	Salad Bar Tray Hinged	2,763.95	28.72

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	693.97	7.42

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,493.32	15.98
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,417.32	36.59

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	149.58	12.71
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	126.85	12.71
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	460.03	12.71
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	307.03	12.71

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,050.47	106.59
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	11,501.50	152.76

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,725.14	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,552.69	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,405.11	

11 46 16 00-0018 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,719.48	21.71
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,309.47	24.98
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,878.21	32.00

11 46 16 00-0022 Serving Counters *(11 46 16)*

11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	86.09	16.80
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	102.83	25.74

11 46 16 00-0025 Drop-In Equipment *(11 46 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0026	EA	Hot Food Well, Rectangular	593.82	53.53
11 46 16 00-0027	EA	Hot Food Well, Circular	517.77	53.53
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,653.43	53.53
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	1,881.82	59.46
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,139.69	66.92
11 46 16 00-0031	EA	Frost Cold Plate	3,199.25	59.46
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	5,383.91	134.57
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	7,678.18	188.38
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,980.38	134.57
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,989.93	110.84
11 46 16 00-0037	EA	Iced Tea Brewer	3,073.73	110.84
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,758.83	118.84
11 46 16 00-0039	EA	Jet Spray Dispenser	2,804.82	118.97
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	2,560.03	66.92
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	3,643.84	66.92
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	12" Diameter, Drop-in, Dish Dispenser	1,119.32	15.85
11 46 16 00-0044	EA	Drop-in, Cup And Glass Dispenser	1,802.26	49.28
11 46 16 00-0045	EA	Drop-in, Disposable Cup Dispenser	687.71	11.10
11 46 16 00-0046	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,034.62	12.71
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	4,608.42	11.10
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	206.48	13.90
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	704.65	13.90
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	5,605.88	59.21
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	12,878.83	133.11
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	5,011.16	66.76
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	685.75	9.02
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	4,362.92	63.85
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	7,194.47	95.70
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	8,693.62	68.65
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	12,607.94	86.35
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	9,121.44	68.65
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	13,229.70	86.35
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	10,133.00	27.75
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	383.85	12.71
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	332.09	12.71
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	410.40	12.71
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	423.68	12.71
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	206.98	12.71
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,573.18	12.71
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,744.95	12.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,487.24	12.71
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,432.16	12.71
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	2,115.77	11.10
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,429.94	11.10
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,433.09	12.70
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,642.55	12.70
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,642.55	12.70
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,394.66	12.70
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,394.66	12.70
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	4,276.22	14.79
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	5,444.35	14.79
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	4,276.22	14.79
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	5,444.35	14.79
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,531.56	14.79
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,531.56	14.79
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,531.56	14.79
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,818.22	14.79
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	6,135.46	14.79
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,818.22	14.79
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,776.21	14.79
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	6,135.46	14.79
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	6,501.30	14.79
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	5,105.56	14.79
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	6,120.62	14.79
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	6,501.30	14.79
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	5,105.56	14.79
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,727.93	14.79
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	6,334.05	14.79
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,727.93	14.79
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,727.93	14.79
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,712.10	14.79
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	2,125.84	16.17
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	7,132.40	16.17
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,601.08	16.17
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,769.95	14.79
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,257.24	16.17
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	7,368.60	16.17
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	7,368.60	16.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	7,368.60	16.17
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,203.95	16.17
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,878.81	16.17
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,878.81	16.17
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,878.81	16.17
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	5,986.18	16.17
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	9,019.01	16.17
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	16,199.05	16.17
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	16,199.05	16.17
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	9,428.67	17.76

11 46 16 00-0127 Dry Bakery Display Case *(11 46 16)*

11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,604.93	11.10
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,604.93	11.10
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,780.89	11.10
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,780.89	11.10
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,047.97	12.70
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,443.88	12.70
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,391.09	12.70
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,391.09	12.70
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,033.31	14.79
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,037.02	14.79
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	7,003.36	17.76
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	4,878.11	16.17
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	4,878.11	16.17
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	4,878.11	16.17
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	4,878.11	16.17
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,074.74	16.17
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,074.74	16.17
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,486.20	17.76
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,486.20	17.76

11 46 16 00-0147 Dual Dry/Refrigerated Bakery Display Case *(11 46 16)*

11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	17,588.93	16.17
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	17,588.93	16.17
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	17,588.93	16.17
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	17,592.17	17.76
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	18,058.62	17.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0153		Refrigerated Deli Case *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	8,290.15	59.22
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	8,290.15	59.22
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,513.26	59.22
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,513.26	59.22
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,906.83	35.54
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,080.45	35.54
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,906.83	35.54
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,153.05	44.42
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,344.94	44.42
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,511.63	59.22
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,511.63	59.22
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,849.73	59.22
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,182.68	59.22
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,749.21	59.22
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,749.21	59.22
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	3,032.48	59.22
11 46 19		**Soda Fountain Equipment** *(11 46)*		
11 46 19 00-0001		Carbonated Beverage Dispensing *(11 46 19)*		
11 46 19 00-0002	EA	Carbonated Beverage Dispenser	5,312.47	167.30
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice	8,912.11	191.19
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice	16,933.11	267.66
11 46 19 00-0005		Beverage Chilling Systems *(11 46 19)*		
11 46 19 00-0006	EA	Beverage Chiller, Small	7,549.77	231.47
11 46 19 00-0007	EA	Beverage Chiller, Large	14,223.01	347.24
11 46 83		**Ice Machines** *(11 46)*		
11 46 83 00-0001		Undercounter Ice Machines With Bin *(11 46 83)*		
11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,603.51	11.10
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	3,972.92	72.06
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	2,966.80	72.06
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	2,889.86	72.06
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,114.39	77.20
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,515.69	77.20
11 46 83 00-0008		Ice Cube Maker *(11 46 83)*		
11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,067.50	77.20
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,425.87	82.36
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,111.98	82.36
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,422.50	87.50
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,467.00	87.50
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,255.52	92.65
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,365.54	92.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0016		Ice Flakers *(11 46 83)*		
11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers	5,525.15	377.10
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers	10,064.53	603.36
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers	12,379.60	829.63
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers	15,208.22	905.05
11 46 83 00-0021		Ice Storage Bins *(11 46 83)*		
11 46 83 00-0022	EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,568.06	66.63
11 46 83 00-0023	EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,735.76	66.63
11 46 83 00-0024	EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,194.07	72.19
11 46 83 00-0025	EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,380.41	72.19
11 46 83 00-0026	EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,720.74	77.74

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001		Rack Type Dishwasher *(11 48 13)*		
11 48 13 00-0002	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	27,874.30	640.48
11 48 13 00-0003	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	46,269.60	791.19
11 48 13 00-0004	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	55,456.54	904.21
11 48 13 00-0005		Undercounter Type Dishwasher *(11 48 13)*		
11 48 13 00-0006	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,598.84	131.86
11 48 13 00-0007		Exhaust Hood Dishwasher *(11 48 13)*		
11 48 13 00-0008	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,380.26	115.59
11 48 13 00-0009	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,267.09	138.72
11 48 13 00-0010		Dish Tables *(11 48 13)*		
11 48 13 00-0011	EA	2' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	382.67	57.64
11 48 13 00-0012	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	413.38	63.37
11 48 13 00-0013	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	511.21	69.45
11 48 13 00-0014	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	573.62	76.40
11 48 13 00-0015	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	640.54	83.33
11 48 13 00-0016	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	704.16	92.02
11 48 13 00-0017	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	809.54	100.70
11 48 13 00-0018	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	517.73	86.81
11 48 13 00-0019	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	607.30	95.49
11 48 13 00-0020	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	656.25	104.18
11 48 13 00-0021	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	750.43	114.59
11 48 13 00-0022	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	951.88	126.75
11 48 13 00-0023	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	998.75	138.89
11 48 13 00-0024		Sprays And Hoses *(11 48 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0025		Sprays, Fillers *(11 48 13 00-0024)*		
11 48 13 00-0026	EA	Pre-Rinse Spray	584.75	54.67
11 48 13 00-0027	EA	Kettle Fillers	489.68	54.67
11 48 13 00-0028		Hoses *(11 48 13 00-0024)*		
11 48 13 00-0029	EA	Hose Reel	701.70	65.63
11 48 13 00-0030	EA	Wash-Down Hose	511.56	65.63
11 48 13 00-0031	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,203.42	
11 48 16		**Foodservice Disposal Equipment** *(11 48)*		
11 48 16 00-0001		Garbage Disposals *(11 48 16)*		
		Note: Manual switch.		
11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,262.61	101.72
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,934.96	105.49
11 48 16 00-0004	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,166.30	109.26
11 48 16 00-0005	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,240.56	113.02
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,645.39	124.33
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	6,715.77	135.63
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	8,087.02	150.70
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	11,397.33	162.00
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	15,129.00	169.54
11 48 16 00-0011		Pulper/Extractors *(11 48 16)*		
11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	9,852.86	156.96

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001		Screens *(11 52 13 13)*		
11 52 13 13-0002		Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*		
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	301.23	36.12
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	352.48	46.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	424.36	64.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	483.36	77.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	759.88	116.10
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	918.43	129.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	692.79	82.57
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	767.26	103.21
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	449.46	43.86
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	618.34	61.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	666.99	69.67
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	710.50	74.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	807.84	90.30
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	689.86	64.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	776.87	74.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	817.10	46.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	922.17	64.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,034.98	87.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,158.13	116.10
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,296.03	118.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,383.05	129.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,416.24	129.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,531.28	136.75
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	1,646.32	144.49
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	1,766.52	154.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,032.02	154.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,267.97	206.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,585.91	64.50
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,731.91	87.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,855.05	116.10
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,959.77	118.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,079.98	129.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,113.16	129.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,228.20	136.75
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,271.71	141.90
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,563.01	154.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,861.69	154.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,164.02	206.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,487.22	58.05
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,528.42	64.50
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,607.99	77.40
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,928.72	116.10
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,001.78	118.68
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,178.05	129.00
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,248.79	129.00
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,402.67	138.03
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,605.14	144.49
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,719.16	154.81
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,846.49	154.81
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,170.40	206.40

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,948.08	154.81
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,316.79	206.40
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,894.99	232.21
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,278.45	258.01
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,713.53	309.61
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,760.74	335.41
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,708.40	361.21
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,372.14	361.21
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,172.26	412.82
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,420.09	335.41
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,906.76	412.82
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,341.84	464.42
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,135.44	361.21
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	15,660.54	464.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*		
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,754.57	58.05
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,867.03	64.50
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	5,959.22	77.40
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,268.93	116.10
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,340.45	118.68
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,560.22	129.00
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,759.34	129.00
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	6,876.96	138.03
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,055.80	144.49
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,209.19	154.81
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,275.56	154.81
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	7,710.64	206.40
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,267.42	219.31
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	8,625.10	232.21
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	9,406.81	258.01
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	9,675.95	309.61
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*		
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol)	4,745.69	58.05
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol)	4,817.95	70.96
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol)	4,860.73	77.40
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol)	5,034.37	116.10
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)	5,069.39	118.68
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)	5,216.15	129.00
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)	5,392.04	129.00
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)	5,645.73	138.03
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)	5,705.09	144.49
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)	5,868.43	154.81
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)	5,787.28	180.61
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)	6,303.51	206.40
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)	7,982.02	219.31
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)	8,323.10	232.21
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)	8,988.65	258.01
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)	9,231.25	309.61
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)	10,062.74	335.41
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)	10,668.57	361.21
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)	11,153.10	361.21
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)	12,291.73	412.82
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)	4,860.73	77.40
		Note: Heavy-duty screen for recessed or exposed installation.		
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)	5,008.56	103.21
		Note: Heavy-duty screen for recessed or exposed installation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,064.24	116.10
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,738.28	144.49
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,062.74	180.61
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,490.11	232.21
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,845.53	283.81
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	14,138.43	387.01
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,025.15	103.21
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,114.02	116.10
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,225.74	123.85
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,276.25	134.17
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,578.98	144.49
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,936.63	180.61
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,400.50	232.21
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,505.95	283.81
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,351.47	335.41

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,047.92	58.05
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,128.73	64.50
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,205.47	77.40
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,458.30	116.10
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,520.04	118.68
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,662.35	129.00
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,851.93	129.00
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,991.66	138.03
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,095.10	144.49
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,260.05	154.81
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,455.28	154.81
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,722.60	206.40

11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)*

Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.

11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,790.60	129.00
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,771.43	154.81
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,182.96	232.21
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,851.19	309.61
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	25,277.49	361.21
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,719.83	129.00
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,132.10	154.81
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,079.75	180.61
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,696.39	232.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)*		
		Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	4,589.10	129.00
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	5,818.65	141.90
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	6,687.08	154.81
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	12,370.50	167.71
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	13,720.43	13,539.83
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	15,216.54	206.40
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	19,601.64	232.21
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	26,634.98	258.01
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	29,816.34	283.81
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)	40,099.81	309.61
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	67.48	3.87
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	100.66	4.13
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	120.58	4.64
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	806.05	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,171.11	
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		Projection Screen And Case *(11 52 13 16)*		
11 52 13 16-0002	EA	9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	1,848.26	99.15
11 52 13 16-0003	EA	12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	1,865.12	99.15
11 52 13 16-0004	EA	9' x 9' Non-Tensioned Electric Projection Screen (Draper Targa)	1,962.28	99.15
11 52 13 16-0005	EA	9' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	2,182.94	99.15
11 52 13 16-0006	EA	12' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	3,306.01	99.15
11 52 13 16-0007	EA	12' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	4,633.00	99.15
11 52 13 16-0008	EA	14' x 14' Non-Tensioned Electric Projection Screen (Draper Targa)	4,069.94	99.15
11 52 13 16-0009	EA	16' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	4,759.31	99.15
11 52 13 16-0010	EA	15' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	7,726.31	99.15
11 52 13 16-0011	EA	20' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,198.30	99.15
11 52 13 16-0012	EA	11' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	7,916.42	99.15
11 52 13 16-0013	EA	16'-6" x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,113.08	99.15
11 52 13 16-0014	EA	22' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,316.29	99.15
11 52 13 16-0015	EA	Projection Screen Hanger Assembly Unit	152.13	12.39
		Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).		
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,362.67	25.80
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,592.11	25.80
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,132.93	25.80
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,411.22	25.80
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,984.82	25.80
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,082.84	25.80
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,131.08	25.80
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	11,048.22	25.80
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,440.00	25.80
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)*		
		Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	226.63	28.35
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	430.08	28.35
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)*		
		Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	74.14	12.88
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	115.90	12.88
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	177.70	12.88
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	213.77	12.88
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	360.53	12.88
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	847.29	12.88
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	56.66	3.86
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	77.26	3.86
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	84.99	3.86
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	90.14	3.86
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	105.60	5.15
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	131.35	5.15
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	172.56	5.15
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	200.88	5.15
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	234.36	6.45
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	270.41	6.45
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	298.74	7.73
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	314.19	7.73
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	121.04	6.45
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	198.30	6.45
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	203.45	6.45
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	211.18	6.45
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	226.63	7.73
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	239.50	7.73
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	267.83	7.73
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	293.58	7.73
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	324.50	9.02
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	350.26	9.02
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	381.15	10.31
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	399.18	10.31

11 53 Laboratory Equipment *(11 50)*

11 53 13 Laboratory Fume Hoods *(11 53)*

11 53 13 11 General Laboratory Fume Hoods *(11 53 13)*

11 53 13 11-0001		Fume Hoods (Kewaunee Scientific) *(11 53 13 11)*		
11 53 13 11-0002		General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05) *(11 53 13 11-0001)*		
11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00) Note: Includes material and installation	10,485.91	
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00) Note: Includes material and installation	11,149.26	
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00) Note: Includes material and installation	14,307.39	
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00) Note: Includes material and installation	9,886.42	
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00) Note: Includes material and installation	11,326.43	
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00) Note: Includes material and installation	11,989.78	
11 53 13 11-0009	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00) Note: Includes material and installation	15,172.64	
11 53 13 11-0010	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00) Note: Includes material and installation	10,529.17	
11 53 13 11-0011	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00) Note: Includes material and installation	10,912.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0012	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00) Note: Includes material and installation	12,873.56	
11 53 13 11-0013	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00) Note: Includes material and installation	15,914.27	
11 53 13 11-0014	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00) Note: Includes material and installation	11,544.80	
11 53 13 11-0015	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) Note: Includes material and installation	14,861.56	
11 53 13 11-0016	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) Note: Includes material and installation	17,479.95	
11 53 13 11-0017	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) Note: Includes material and installation	20,568.04	
11 53 13 11-0018	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) Note: Includes material and installation	13,699.66	
11 53 13 11-0019	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) Note: Includes material and installation	10,648.66	
11 53 13 11-0020	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) Note: Includes material and installation	11,314.07	
11 53 13 11-0021	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) Note: Includes material and installation	14,476.32	
11 53 13 11-0022	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) Note: Includes material and installation	10,057.41	
11 53 13 11-0023	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) Note: Includes material and installation	11,513.90	
11 53 13 11-0024	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) Note: Includes material and installation	12,181.37	
11 53 13 11-0025	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) Note: Includes material and installation	15,355.99	
11 53 13 11-0026	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) Note: Includes material and installation	10,714.58	
11 53 13 11-0027	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) Note: Includes material and installation	12,410.04	
11 53 13 11-0028	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) Note: Includes material and installation	13,069.27	
11 53 13 11-0029	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) Note: Includes material and installation	16,109.98	
11 53 13 11-0030	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) Note: Includes material and installation	11,746.69	
11 53 13 11-0031	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) Note: Includes material and installation	15,079.93	
11 53 13 11-0032	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) Note: Includes material and installation	17,681.84	
11 53 13 11-0033	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) Note: Includes material and installation	20,788.47	
11 53 13 11-0034	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) Note: Includes material and installation	13,918.04	

11 53 13 11-0035 Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) *(11 53 13 11-0001)*

11 53 13 11-0036	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) Note: Includes material and installation	12,030.98	
11 53 13 11-0037	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) Note: Includes material and installation	12,692.28	
11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) Note: Includes material and installation	15,856.59	
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) Note: Includes material and installation	11,435.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) Note: Includes material and installation	13,203.18	
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) Note: Includes material and installation	13,870.65	
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) Note: Includes material and installation	17,051.45	
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00) Note: Includes material and installation	12,410.04	
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) Note: Includes material and installation	14,198.21	
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) Note: Includes material and installation	14,861.56	
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) Note: Includes material and installation	17,902.27	
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00) Note: Includes material and installation	13,532.80	
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) Note: Includes material and installation	17,405.78	
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) Note: Includes material and installation	18,062.96	
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) Note: Includes material and installation	23,108.14	
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00) Note: Includes material and installation	16,250.07	

11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08) *(11 53 13 11-0001)*

11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00) Note: Includes material and installation	10,586.85	
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) Note: Includes material and installation	11,262.57	
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) Note: Includes material and installation	14,196.15	
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) Note: Includes material and installation	9,985.30	
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00) Note: Includes material and installation	11,425.31	
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) Note: Includes material and installation	12,000.08	
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) Note: Includes material and installation	15,154.10	
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) Note: Includes material and installation	10,630.12	
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00) Note: Includes material and installation	12,311.16	
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) Note: Includes material and installation	13,170.22	
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) Note: Includes material and installation	16,678.57	
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) Note: Includes material and installation	11,645.75	
11 53 13 11-0065	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) Note: Includes material and installation	10,749.60	
11 53 13 11-0066	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00) Note: Includes material and installation	11,456.22	
11 53 13 11-0067	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00) Note: Includes material and installation	14,449.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0068	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) Note: Includes material and installation	10,156.29	
11 53 13 11-0069	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) Note: Includes material and installation	11,616.90	
11 53 13 11-0070	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00) Note: Includes material and installation	12,208.15	
11 53 13 11-0071	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00) Note: Includes material and installation	15,428.09	
11 53 13 11-0072	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) Note: Includes material and installation	10,811.40	
11 53 13 11-0073	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) Note: Includes material and installation	12,510.99	
11 53 13 11-0074	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00) Note: Includes material and installation	13,398.89	
11 53 13 11-0075	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00) Note: Includes material and installation	16,977.28	
11 53 13 11-0076	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) Note: Includes material and installation	11,845.58	

11 53 13 11-0077 ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) *(11 53 13 11-0001)*

11 53 13 11-0078	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) Note: Includes material and installation	14,428.94	
11 53 13 11-0079	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) Note: Includes material and installation	15,687.66	
11 53 13 11-0080	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) Note: Includes material and installation	19,947.95	
11 53 13 11-0081	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00) Note: Includes material and installation	13,833.57	
11 53 13 11-0082	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) Note: Includes material and installation	15,599.08	
11 53 13 11-0083	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) Note: Includes material and installation	16,800.12	
11 53 13 11-0084	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) Note: Includes material and installation	21,396.20	
11 53 13 11-0085	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00) Note: Includes material and installation	14,803.88	
11 53 13 11-0086	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) Note: Includes material and installation	16,594.11	
11 53 13 11-0087	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) Note: Includes material and installation	18,097.98	
11 53 13 11-0088	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) Note: Includes material and installation	23,085.48	
11 53 13 11-0089	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00) Note: Includes material and installation	15,932.81	

11 53 13 11-0090 Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) *(11 53 13 11-0001)*

11 53 13 11-0091	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) Note: Includes material and installation	21,758.78	
11 53 13 11-0092	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00) Note: Includes material and installation	24,150.55	
11 53 13 11-0093	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00) Note: Includes material and installation	25,479.32	
11 53 13 11-0094	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00) Note: Includes material and installation	34,453.11	
11 53 13 11-0095	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00) Note: Includes material and installation	21,942.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0096	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00) Note: Includes material and installation	24,333.90	
11 53 13 11-0097	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00) Note: Includes material and installation	25,675.03	
11 53 13 11-0098	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00) Note: Includes material and installation	34,673.54	
11 53 13 11-0099		**Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25)** *(11 53 13 11-0001)*		
11 53 13 11-0100	EA	4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00) Note: Includes material and installation	28,744.58	
11 53 13 11-0101	EA	5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00) Note: Includes material and installation	28,843.46	
11 53 13 11-0102	EA	6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00) Note: Includes material and installation	31,999.53	
11 53 13 11-0103		**HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC)** *(11 53 13 11-0001)*		
11 53 13 11-0104	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00) Note: Includes material and installation	14,913.06	
11 53 13 11-0105	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00) Note: Includes material and installation	15,578.48	
11 53 13 11-0106	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00) Note: Includes material and installation	18,738.67	
11 53 13 11-0107	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00) Note: Includes material and installation	14,313.57	
11 53 13 11-0108	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00) Note: Includes material and installation	16,256.25	
11 53 13 11-0109	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00) Note: Includes material and installation	16,921.66	
11 53 13 11-0110	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00) Note: Includes material and installation	20,100.40	
11 53 13 11-0111	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00) Note: Includes material and installation	15,461.05	
11 53 13 11-0112	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00) Note: Includes material and installation	17,366.64	
11 53 13 11-0113	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00) Note: Includes material and installation	18,025.88	
11 53 13 11-0114	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00) Note: Includes material and installation	21,070.70	
11 53 13 11-0115	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00) Note: Includes material and installation	16,699.17	
11 53 13 11-0116	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00) Note: Includes material and installation	22,619.90	
11 53 13 11-0117	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00) Note: Includes material and installation	23,283.25	
11 53 13 11-0118	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00) Note: Includes material and installation	28,324.31	
11 53 13 11-0119	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00) Note: Includes material and installation	21,460.06	
11 53 13 11-0120		**General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30)** *(11 53 13 11-0001)*		
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00) Note: Includes material and installation	21,909.16	
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00) Note: Includes material and installation	22,564.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00) Note: Includes material and installation	28,075.04	
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00) Note: Includes material and installation	20,582.46	
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00) Note: Includes material and installation	23,347.11	
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00) Note: Includes material and installation	24,010.47	
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00) Note: Includes material and installation	31,173.43	
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00) Note: Includes material and installation	21,830.88	
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00) Note: Includes material and installation	24,774.76	
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00) Note: Includes material and installation	25,431.93	
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00) Note: Includes material and installation	33,404.52	
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) Note: Includes material and installation	24,173.21	
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00) Note: Includes material and installation	31,626.66	
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) Note: Includes material and installation	32,294.13	
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00) Note: Includes material and installation	43,307.42	
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) Note: Includes material and installation	30,058.92	
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00) Note: Includes material and installation	22,078.09	
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) Note: Includes material and installation	22,729.08	
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) Note: Includes material and installation	28,243.97	
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) Note: Includes material and installation	20,749.33	
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00) Note: Includes material and installation	23,534.58	
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) Note: Includes material and installation	24,195.87	
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) Note: Includes material and installation	31,362.96	
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) Note: Includes material and installation	22,020.41	
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00) Note: Includes material and installation	24,972.53	
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) Note: Includes material and installation	25,631.76	
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) Note: Includes material and installation	33,604.35	
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) Note: Includes material and installation	24,375.10	
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00) Note: Includes material and installation	31,838.85	
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) Note: Includes material and installation	32,508.38	
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) Note: Includes material and installation	43,519.61	

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11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00) Note: Includes material and installation	30,275.23	

11 53 13 11-0153 Stand-Alone, TruView® Teaching Hoods (Kewaunee Scientific T90) *(11 53 13 11-0001)*

11 53 13 11-0154	EA	4' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA) Note: Includes material and installation	17,859.01	
11 53 13 11-0155	EA	5' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA) Note: Includes material and installation	20,357.91	
11 53 13 11-0156	EA	6' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA) Note: Includes material and installation	22,063.67	
11 53 13 11-0157	EA	4' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) Note: Includes material and installation	31,521.59	
11 53 13 11-0158	EA	5' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) Note: Includes material and installation	36,097.07	
11 53 13 11-0159	EA	6' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) Note: Includes material and installation	38,400.26	

11 53 13 11-0160 Options For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*

11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C) Note: Includes material and installation	475.88	
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E) Note: Includes material and installation	2,060.10	
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O) Note: Includes material and installation	341.98	
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) Note: Includes material and installation	2,447.40	
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) Note: Includes material and installation	2,447.40	
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) Note: Includes material and installation	1,464.73	
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B) Note: Includes material and installation	1,711.94	
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) Note: Includes material and installation	1,979.76	
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B) Note: Includes material and installation	2,562.76	
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP) Note: Includes material and installation	183.35	
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) Note: Includes material and installation	1,724.30	
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) Note: Includes material and installation	657.17	
11 53 13 11-0182	EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) Note: Includes material and installation	657.17	
11 53 13 11-0183	EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) Note: Includes material and installation	657.17	
11 53 13 11-0184	EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) Note: Includes material and installation	733.40	
11 53 13 11-0185	EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) Note: Includes material and installation	733.40	
11 53 13 11-0186	EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) Note: Includes material and installation	1,087.73	
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) Note: Includes material and installation	1,112.45	

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11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) Note: Includes material and installation	1,141.30	
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) Note: Includes material and installation	1,771.69	
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) Note: Includes material and installation	1,839.67	
11 53 13 11-0191		**Base Cabinets For Fume Hoods (Kewaunee Scientific)** *(11 53 13 11-0001)*		
11 53 13 11-0192	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) Note: Includes material and installation	1,289.62	
11 53 13 11-0193	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) Note: Includes material and installation	1,571.86	
11 53 13 11-0194	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) Note: Includes material and installation	1,654.26	
11 53 13 11-0195	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) Note: Includes material and installation	1,707.82	
11 53 13 11-0196	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) Note: Includes material and installation	1,864.39	
11 53 13 11-0197	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) Note: Includes material and installation	1,289.62	
11 53 13 11-0198	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) Note: Includes material and installation	1,571.86	
11 53 13 11-0199	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) Note: Includes material and installation	1,666.62	
11 53 13 11-0200	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) Note: Includes material and installation	1,707.82	
11 53 13 11-0201	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) Note: Includes material and installation	1,864.39	
11 53 13 11-0202	EA	15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) Note: Includes material and installation	1,297.86	
11 53 13 11-0203	EA	18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) Note: Includes material and installation	1,374.09	
11 53 13 11-0204	EA	21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) Note: Includes material and installation	1,433.83	
11 53 13 11-0205	EA	24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) Note: Includes material and installation	1,452.37	
11 53 13 11-0206	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) Note: Includes material and installation	3,139.59	
11 53 13 11-0207	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) Note: Includes material and installation	4,149.04	
11 53 13 11-0208	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) Note: Includes material and installation	4,336.51	
11 53 13 11-0209	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) Note: Includes material and installation	4,954.54	
11 53 13 11-0210	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) Note: Includes material and installation	2,482.42	
11 53 13 11-0211	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) Note: Includes material and installation	2,884.14	
11 53 13 11-0212	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) Note: Includes material and installation	2,933.58	
11 53 13 11-0213	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) Note: Includes material and installation	3,106.63	
11 53 13 11-0214	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) Note: Includes material and installation	3,403.29	
11 53 13 11-0215	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) Note: Includes material and installation	2,235.21	
11 53 13 11-0216	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) Note: Includes material and installation	2,529.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0217	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) Note: Includes material and installation	2,630.75	
11 53 13 11-0218	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) Note: Includes material and installation	2,797.62	
11 53 13 11-0219	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) Note: Includes material and installation	3,013.93	
11 53 13 11-0220		Filters And Housing For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0221	EA	Painted CRS Filter Housing (Kewaunee Scientific X-016869) Note: Includes material and installation	2,035.38	
11 53 13 11-0222	EA	Stainless Steel Filter Housing (Kewaunee Scientific X-016868) Note: Includes material and installation	23,750.89	
11 53 13 11-0223	EA	High Efficiency Filter (Kewaunee Scientific 0864-00) Note: Includes material and installation	2,035.38	
11 53 13 11-0224	EA	Charcoal Absorber (Kewaunee Scientific 0855-00) Note: Includes material and installation	23,750.89	
11 53 13 11-0225	EA	Prefilter (Kewaunee Scientific 0863-00) Note: Includes material and installation	152.45	
11 53 13 11-0226		Centrifugal Fans For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0227	EA	1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1) Note: Includes material and installation	5,494.29	
11 53 13 11-0228	EA	1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1) Note: Includes material and installation	5,646.73	
11 53 13 11-0229	EA	1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1) Note: Includes material and installation	5,722.96	
11 53 13 11-0230	EA	3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1) Note: Includes material and installation	6,327.60	
11 53 13 11-0231	EA	1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1) Note: Includes material and installation	6,932.24	
11 53 13 11-0232	EA	1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) Note: Includes material and installation	9,941.01	
11 53 13 11-0233	EA	2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) Note: Includes material and installation	12,949.79	
11 53 13 11-0234		Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0235	EA	6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	914.68	
11 53 13 11-0236	EA	8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,003.27	
11 53 13 11-0237	EA	9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,021.81	
11 53 13 11-0238	EA	10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,124.81	
11 53 13 11-0239	EA	11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,238.20	
11 53 13 11-0240	EA	6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00) Note: Includes material and installation	1,310.22	
11 53 13 11-0241	EA	8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00) Note: Includes material and installation	1,425.59	
11 53 13 11-0242	EA	9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00) Note: Includes material and installation	1,563.62	
11 53 13 11-0243	EA	10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00) Note: Includes material and installation	1,641.90	
11 53 13 11-0244	EA	11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00) Note: Includes material and installation	1,672.80	
11 53 13 11-0245	EA	11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) Note: Includes material and installation	1,015.63	
11 53 13 11-0246	EA	11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) Note: Includes material and installation	1,048.59	
11 53 13 11-0247	EA	11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) Note: Includes material and installation	1,069.19	
11 53 13 11-0248	EA	11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) Note: Includes material and installation	1,112.45	
11 53 13 11-0249	EA	11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) Note: Includes material and installation	1,205.16	
11 53 13 11-0250		Biological Fume Hoods And Cabinets *(11 53 13 11)* Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
11 53 13 11-0251		Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) *(11 53 13 11-0250)* Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252	EA	3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	18,075.27	458.97
11 53 13 11-0253	EA	4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	20,278.69	458.97
11 53 13 11-0254	EA	5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	24,121.53	520.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0255	EA	6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	25,578.93	520.12
11 53 13 11-0256		**Base Stands For Purifier® Logic® Biosafety Cabinets (VWR)** *(11 53 13 11-0250)*		
		Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA	3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,471.73	67.33
11 53 13 11-0258	EA	4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,579.50	85.69
11 53 13 11-0259	EA	5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,648.18	104.05
11 53 13 11-0260	EA	6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,808.21	122.41
11 53 43		**Service Fittings and Accessories** *(11 53)*		
11 53 43 00-0001		**Laboratory Equipment Accessories** *(11 53 43)*		
11 53 43 00-0002	EA	24" Wide Roll Paper Dispenser, Wall Mounted	159.25	18.04
11 53 43 00-0003	EA	36" Wide Roll Paper Dispenser, Wall Mounted	192.28	20.61
11 53 43 00-0004	EA	48" Wide Roll Paper Dispenser, Wall Mounted	250.23	23.19
11 53 43 00-0005		**Install Owner Furnished Material** *(11 53 43)*		
11 53 43 00-0006	LF	Install Owner Furnished Steel Base Cabinet	57.28	
11 53 43 00-0007	LF	Install Owner Furnished Steel Wall Cabinet	68.79	
11 53 43 00-0008	LF	Install Owner Furnished Wood Base Cabinet	48.50	
11 53 43 00-0009	LF	Install Owner Furnished Wood Wall Cabinet	58.31	
11 53 43 00-0010	LF	Install Owner Furnished Plastic Base Cabinet	40.10	
11 53 43 00-0011	LF	Install Owner Furnished Plastic Wall Cabinet	48.04	

11 60 Entertainment and Recreation Equipment *(11)*

11 61 Broadcast, Theater, and Stage Equipment *(11 60)*

11 61 23 Folding and Portable Stages *(11 61)*

11 61 23 00-0001		**Roll Out Stage, Steel Frame, Wood Floor** *(11 61 23)*		
11 61 23 00-0002	SF	Roll Out Stage, Manual With Steel Frame And Wood Floor	105.62	3.11
		For Carpeted Deck, Add	*12.46*	
		For Polypropylene Deck, Add	*13.96*	
11 61 23 00-0003	SF	Roll Out Stage, Electric With Steel Frame And Wood Floor	144.92	2.88
11 61 23 00-0004		**Portable Stages, With Steps, Folding Legs, Stock Design** *(11 61 23)*		
		Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.		
11 61 23 00-0005	SF	Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs	35.33	1.11
		For Carpeted Deck, Add	*4.14*	
		For Polypropylene Deck, Add	*4.64*	
11 61 23 00-0006	SF	Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs	38.89	1.22
		For Carpeted Deck, Add	*4.56*	
		For Polypropylene Deck, Add	*5.10*	
11 61 23 00-0007	SF	Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs	40.18	1.33
		For Carpeted Deck, Add	*4.69*	
		For Polypropylene Deck, Add	*5.25*	
11 61 23 00-0008	SF	Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs	41.36	1.38
		For Carpeted Deck, Add	*4.82*	
		For Polypropylene Deck, Add	*5.40*	
11 61 23 00-0009	SF	Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs	44.40	1.48
		For Carpeted Deck, Add	*5.18*	
		For Polypropylene Deck, Add	*5.80*	
11 61 23 00-0010		**Telescoping Platforms, Aluminum** *(11 61 23)*		
11 61 23 00-0011	SF	Telescoping Platforms, Aluminum Straight, Minimum	163.13	2.67
11 61 23 00-0012	SF	Telescoping Platforms, Aluminum Straight	193.07	2.67
11 61 23 00-0013	SF	Telescoping Platforms, Aluminum Pie Shaped, Minimum	188.54	4.45
11 61 23 00-0014	SF	Telescoping Platforms, Aluminum Pie Shaped	225.97	4.45
11 61 23 00-0015		**Band Risers, Steel Frame, Plywood Deck** *(11 61 23)*		
11 61 23 00-0016	SF	8" High Band Risers, Steel Frame Wood Deck	52.44	1.11
		For Carpeted Deck, Add	*6.28*	
		For Polypropylene Deck, Add	*7.03*	
11 61 23 00-0017	SF	12" High Band Risers, Steel Frame Wood Deck	56.28	1.11
		For Carpeted Deck, Add	*6.76*	
		For Polypropylene Deck, Add	*7.57*	
11 61 23 00-0018	SF	16" High Band Risers, Steel Frame Wood Deck	59.26	1.11
		For Carpeted Deck, Add	*7.13*	
		For Polypropylene Deck, Add	*7.99*	
11 61 23 00-0019	SF	24" High Band Risers, Steel Frame Wood Deck	63.18	1.11
		For Carpeted Deck, Add	*7.62*	
		For Polypropylene Deck, Add	*8.53*	
11 61 23 00-0020		**Choral Risers, Steel Frame** *(11 61 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 23 00-0021		Choral Risers, Steel Frame, Plywood Deck *(11 61 23 00-0020)*		
11 61 23 00-0022	EA	16" High, 8' Long, 2 Level Straight Choral Risers, Steel Frame Wood Deck	1,071.49	13.32
		For Carpeted Deck, Add	*130.61*	
		For Polypropylene Deck, Add	*146.28*	
11 61 23 00-0023	EA	24" High, 8' Long, 3 Level Straight Choral Risers, Steel Frame Wood Deck	1,635.50	17.77
		For Carpeted Deck, Add	*200.00*	
		For Polypropylene Deck, Add	*223.99*	
11 61 23 00-0024	EA	32" High, 8' Long, 4 Level Straight Choral Risers, Steel Frame Wood Deck	2,219.15	22.22
		For Carpeted Deck, Add	*271.84*	
		For Polypropylene Deck, Add	*304.46*	
11 61 23 00-0025	EA	16" High, 5'-6" Long, 2 Level Tapered Choral Risers, Steel Frame Wood Deck	811.62	13.32
		For Carpeted Deck, Add	*98.12*	
		For Polypropylene Deck, Add	*109.90*	
11 61 23 00-0026	EA	24" High, 6' Long, 3 Level Tapered Choral Risers, Steel Frame Wood Deck	1,261.38	17.77
		For Carpeted Deck, Add	*153.23*	
		For Polypropylene Deck, Add	*171.62*	
11 61 23 00-0027	EA	32" High, 6'-6" Long, 4 Level Tapered Choral Risers, Steel Frame Wood Deck	1,757.77	22.22
		For Carpeted Deck, Add	*214.17*	
		For Polypropylene Deck, Add	*239.87*	
11 61 23 00-0028		Chairs For Risers, Self Storing *(11 61 23)*		
11 61 23 00-0029	EA	Chairs For Risers, Self Storing	133.86	2.22

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001		Fitness Systems *(11 66 13)*		
11 66 13 00-0002		Components For Physical Fitness Activities *(11 66 13 00-0001)*		
11 66 13 00-0003	EA	Sit And Reach	1,377.25	56.38
11 66 13 00-0004	EA	Isometric Squat	510.51	22.55
11 66 13 00-0005	EA	Log Jump	3,420.65	90.23
11 66 13 00-0006	EA	Step Up	722.47	45.11
11 66 13 00-0007	EA	Hip Rotation	3,793.25	78.94
11 66 13 00-0008	EA	Body Curl	1,372.27	45.11
11 66 13 00-0009	EA	Horizontal Ladder	4,597.32	90.23
11 66 13 00-0010	EA	Chin Up	3,438.22	90.23
11 66 13 00-0011	EA	Push Up	2,118.66	45.11
11 66 13 00-0012	EA	Leg Raise	2,954.05	67.66
11 66 13 00-0013	EA	Log Hop	1,353.49	22.55
11 66 13 00-0014	EA	Parallel Bar	2,835.51	67.66
11 66 13 00-0015	EA	Leg Stretch	1,161.52	45.11
11 66 13 00-0016	EA	Balance Beam	1,055.53	33.83
11 66 13 00-0017	EA	Log Roll	3,432.02	56.38
11 66 13 00-0018		Wall Mounted Equipment *(11 66 13)*		
11 66 13 00-0019	SET	Parallel Bars, Wall Mounted	4,148.96	288.17
11 66 13 00-0020	EA	Exercise Ladder, Wall Mounted	3,584.63	6.01
11 66 13 00-0021		Ballet Equipment *(11 66 13)*		
11 66 13 00-0022		Wall Mounted Ballet Bars *(11 66 13 00-0021)*		
11 66 13 00-0023	EA	Maple, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	450.84	10.31
11 66 13 00-0024	EA	Poplar, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	404.88	10.31
11 66 13 00-0025	EA	Oak, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	427.86	10.31
11 66 13 00-0026	EA	Maple, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	726.56	10.31
11 66 13 00-0027	EA	Poplar, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	921.87	10.31
11 66 13 00-0028	EA	Oak, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	703.59	10.31
11 66 13 00-0029	EA	Bracket For 1-1/2" Single Ballet Bar	103.66	5.15
		For Floor Attachment Leg, Add	*19.05*	
11 66 13 00-0030	EA	Maple, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	604.17	18.04
11 66 13 00-0031	EA	Poplar, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	558.22	18.04
11 66 13 00-0032	EA	Oak, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	581.19	18.04
11 66 13 00-0033	EA	Bracket For 1-1/2" Double Ballet Bars	146.72	7.73
		For Floor Attachment Leg, Add	*19.82*	
11 66 13 00-0034		Wall Mounted Ballet Mirrors *(11 66 13 00-0021)*		
11 66 13 00-0035	EA	2' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	671.42	12.88
11 66 13 00-0036	EA	2' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,029.45	12.88
11 66 13 00-0037	EA	3' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,049.31	12.37
11 66 13 00-0038	EA	3' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,560.16	12.37
11 66 13 00-0039	EA	4' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,611.66	14.43
11 66 13 00-0040	EA	4' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,664.58	14.43
11 66 13 00-0041	EA	5' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,510.04	16.49
11 66 13 00-0042	EA	5' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,571.39	16.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23		**Gymnasium Equipment** *(11 66)*		
11 66 23 13		**Basketball Equipment** *(11 66 23)*		
11 66 23 13-0001		Basketball Equipment *(11 66 23 13)*		
11 66 23 13-0002	EA	4' To 6' Extention, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46) Note: Includes rim and net.	3,325.61	432.26
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure Note: Includes rim and net.	6,047.89	432.26
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure Note: Includes rim and net.	7,328.41	576.34
		For Glass Backstop, Add	*500.00*	
		For Electrically Operated, Add	*1,470.43*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00) Note: For indoor use. Includes fully tempered glass.	1,647.66	120.07
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648)	255.73	12.01
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654)	282.13	14.41
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672)	302.76	16.81
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	25.52	4.80
11 66 23 23		**Volleyball Equipment** *(11 66 23)*		
11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only Note: Porter Athletic model # 717-003.	823.46	30.10
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair Note: Porter Athletic model # 00816-003.	185.28	6.77
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net Note: Porter Athletic model # 02255-000.	607.30	22.20
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair Note: Porter Athletic model # 02297-000.	111.84	2.16
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair Note: Porter Athletic model # 02296-100.	393.93	4.57
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net Note: Porter Athletic model # 02295-640.	696.83	21.61
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red Note: Porter Athletic model # 00839-103.	715.27	9.61
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*22.00*	
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard Note: Porter Athletic model # 00889-100.	1,423.17	24.01
11 66 23 23-0009	EA	Judge's Stand Padding Note: Porter Athletic model # 00993-103.	1,025.65	12.01
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*30.00*	
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair Note: Porter Athletic model # 01991-000.	4,235.69	24.01
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve Note: Porter Athletic model # 00402-000.	242.00	2.16
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve Note: Porter Athletic model # 00403-000.	281.61	2.16
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve Note: Porter Athletic model # 00404-000.	304.25	2.16
11 66 23 53		**Wall Padding** *(11 66 23)*		
11 66 23 53-0001		Gymnasium Wall Padding *(11 66 23 53)* Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.		
11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	15.53	0.85
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	21.40	0.94
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	25.71	0.85
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	41.08	0.94
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	33.34	0.85
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	50.20	0.94
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0008		Gymnasium Wall Padding Accessories *(11 66 23 53)*		
11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	6.21	1.24
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	11.98	1.24
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	12.71	1.24
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads	44.46	
11 66 43		**Interior Scoreboards** *(11 66)*		
11 66 43 00-0001		Scoreboards And Shot Clocks *(11 66 43)*		
11 66 43 00-0002	EA	8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	5,200.71	133.38
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0003	EA	8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	7,493.05	222.28
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0004	EA	12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	12,045.82	266.74
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0005	EA	9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4)	8,974.88	222.28
11 66 43 00-0006	EA	1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4) Note: Set includes two shot clocks.	3,746.06	88.92
11 66 53		**Gymnasium Dividers** *(11 66)*		
11 66 53 11		**Gymnasium Dividers** *(11 66 53)*		
11 66 53 11-0001		Gymnasium Dividers *(11 66 53 11)*		
11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	8.82	0.51
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	17.33	0.51
11 68		**Play Field Equipment and Structures** *(11 60)*		
11 68 13		**Playground Equipment** *(11 68)* See CSI section 32 31 13 13-0001 for augering holes and fill for posts.		
11 68 13 00-0001		Standalone Playground Equipment *(11 68 13)*		
11 68 13 00-0002		Ground Socket For Movable Posts *(11 68 13 00-0001)*		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	214.76	30.45
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	376.04	30.45
11 68 13 00-0005		See-Saws *(11 68 13 00-0001)*		
11 68 13 00-0006		Steel See-Saw *(11 68 13 00-0005)*		
11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,005.76	187.39
11 68 13 00-0008	EA	4 Unit Steel See-Saw	3,481.86	221.46
11 68 13 00-0009	EA	6 Unit Steel See-Saw	4,931.14	270.68
11 68 13 00-0010		14' Long Laminated Beam *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,353.52	165.69
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,562.63	147.60
11 68 13 00-0013		Slides *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	2,401.55	214.29
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	3,331.72	304.50
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	3,687.12	338.34
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	4,765.87	374.79
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	17,161.71	589.57
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	16,746.17	608.21
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	21,334.86	639.25
11 68 13 00-0021		Whirlers *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	5,678.51	406.01
11 68 13 00-0023	EA	10' Diameter Whirler	6,549.88	487.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0024		Other Standalone Playground Equipment *(11 68 13 00-0001)*		
11 68 13 00-0025		Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	1,913.33	108.50
11 68 13 00-0027	EA	Tether Ball Post	309.58	21.21
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	457.94	37.49
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,513.64	105.92
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	571.17	56.61
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	790.95	67.66
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,068.70	90.23
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,580.48	124.06
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,831.39	51.65
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,018.79	55.76
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,963.59	59.77
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,807.45	51.43
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	3,440.93	67.35
11 68 13 00-0039	EA	Coil Spring Assembly Only	478.09	24.77
11 68 13 00-0040	EA	"C" Spring Assembly Only	317.56	16.51
11 68 13 00-0041	EA	Rubber Spring Assembly Only	187.30	32.21
11 68 13 00-0042	EA	Footbuck Assembly Only	82.43	4.34
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,245.42	61.94
11 68 13 00-0044		Freestanding Panels *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	955.77	26.53
11 68 13 00-0046	EA	24" Bubble Panel	1,431.81	39.74
11 68 13 00-0047	EA	Fire Engine Panel	2,101.21	58.33
11 68 13 00-0048	EA	Flat Mirror Panel	1,680.99	46.69
11 68 13 00-0049	EA	Wavy Mirror Panel	2,487.99	69.11
11 68 13 00-0050	EA	Paint Time Panel	1,614.03	44.84
11 68 13 00-0051	EA	Phone Time Panel	1,145.44	31.80
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,145.44	31.80
11 68 13 00-0053	EA	Race Time Panel	2,008.24	55.76
11 68 13 00-0054	EA	Rescue 911 Panel	2,039.85	55.76
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,097.10	30.45
11 68 13 00-0056	EA	Career People Panel	1,245.85	34.60
11 68 13 00-0057	EA	Solar System Panel	1,245.85	34.60
11 68 13 00-0058	EA	Animals Panel	1,245.85	34.60
11 68 13 00-0059		Freestanding Panels Uprights *(11 68 13 00-0024)*		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	282.62	14.88
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	306.18	16.11
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	306.18	16.11
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	325.81	17.14
11 68 13 00-0064		Coasters *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	7,445.80	180.44
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	8,276.24	225.55
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	12,088.74	270.67
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	13,683.50	338.33
11 68 13 00-0069		Climbers *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,181.35	120.53
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,053.85	147.60
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,166.55	120.53
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,273.28	147.60
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,382.41	120.40
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,579.98	120.44
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,882.82	120.44
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,080.72	120.40
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,519.50	140.97
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,071.63	105.25
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,104.93	105.25
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,325.42	105.25
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,110.61	135.33
11 68 13 00-0083	EA	2-Way Climber	1,756.29	108.50
11 68 13 00-0084	EA	4-Way Climber	2,953.19	108.50
11 68 13 00-0085		Swings *(11 68 13 00-0001)*		
11 68 13 00-0086		Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,552.69	165.69
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*186.19*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*232.25*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	2,511.51	237.11
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*302.10*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*380.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	3,464.83	348.90
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*416.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*523.24*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	4,365.24	406.01
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*525.35*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*662.39*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	1,680.24	165.69
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*202.14*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*254.57*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	2,598.15	252.54
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*311.80*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*389.82*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	3,553.27	392.16
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*425.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*528.42*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	4,754.56	473.68
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*570.63*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*713.58*	

11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	1,855.75	146.35
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*224.65*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*288.17*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	2,693.70	212.34
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*326.10*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*418.31*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	3,592.16	283.99
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*434.82*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*557.63*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	4,525.90	338.34
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*548.82*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*707.44*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,093.08	164.93
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*253.39*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*325.06*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,198.96	174.90
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*266.54*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*343.16*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	2,920.51	230.89
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*353.52*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*453.36*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	3,568.32	266.16
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*433.36*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*561.06*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	3,887.95	307.17
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*470.63*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*603.60*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	4,942.14	338.47
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*600.85*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*780.28*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	4,893.97	406.01
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*591.44*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*754.92*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,308.01	179.14
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*279.97*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*361.23*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	3,761.57	288.22
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*456.47*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*589.63*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	5,363.33	461.63
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*647.86*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*825.80*	

11 68 13 00-0110 Swing Accessories *(11 68 13 00-0085)*

11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	609.98	13.44
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	507.09	11.18
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	540.17	11.93
11 68 13 00-0114	EA	Seat With Chain And Hardware	532.81	11.75
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	562.43	12.42
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,679.29	37.05
11 68 13 00-0117	LF	0.4 Lb./LF Replacement Chain	6.72	0.26
11 68 13 00-0118	LF	1 Lb./LF Replacement Chain	12.47	0.54
11 68 13 00-0119	EA	Swing Hanger Replacement	72.90	3.06

11 68 13 00-0120 Playground Equipment (Landscape Structures®) *(11 68 13)*

Note: Excludes excavation and concrete footings.

11 68 13 00-0121 Playground Equipment (Landscape Structures® PlayShaper®) *(11 68 13 00-0120)*

Note: Ages 2 to 5 years.

11 68 13 00-0122	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,897.52	66.99
11 68 13 00-0123	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,205.26	251.22
11 68 13 00-0124	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,025.40	66.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0125	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,419.18	100.49
11 68 13 00-0126	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	2,880.28	100.49
11 68 13 00-0127	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,303.81	66.99
11 68 13 00-0128	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,568.70	66.99
11 68 13 00-0129	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	1,947.58	66.99
11 68 13 00-0130	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	5,513.94	200.98
11 68 13 00-0131	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,409.07	200.98
11 68 13 00-0132	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	6,929.71	200.98
11 68 13 00-0133	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,010.51	33.50
11 68 13 00-0134	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	1,993.25	66.99
11 68 13 00-0135	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,624.53	100.49
11 68 13 00-0136	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	2,944.22	100.49
11 68 13 00-0137	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,300.44	100.49
11 68 13 00-0138	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	1,892.78	66.99
11 68 13 00-0139	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	7,927.36	267.97
11 68 13 00-0140	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,061.59	66.99
11 68 13 00-0141	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,179.31	33.50
11 68 13 00-0142	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,727.34	83.74
11 68 13 00-0143	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,698.11	117.23
11 68 13 00-0144	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,182.21	117.23
11 68 13 00-0145	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,034.53	66.99
11 68 13 00-0146	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,272.01	66.99
11 68 13 00-0147	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,436.08	66.99
11 68 13 00-0148	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,691.83	66.99
11 68 13 00-0149	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	763.46	27.92
11 68 13 00-0150	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,408.17	50.24
11 68 13 00-0151	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,054.42	128.40
11 68 13 00-0152	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,456.31	128.40
11 68 13 00-0153	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,267.27	66.99
11 68 13 00-0154	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,084.33	66.99
11 68 13 00-0155	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,409.02	66.99
11 68 13 00-0156	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	976.12	83.74
11 68 13 00-0157	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,007.29	83.74
11 68 13 00-0158	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,061.49	83.74
11 68 13 00-0159	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,169.67	16.74
11 68 13 00-0160	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	411.55	16.74
11 68 13 00-0161	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,088.01	117.23
11 68 13 00-0162	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,102.95	83.74
11 68 13 00-0163	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,322.46	27.92
11 68 13 00-0164	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,631.62	33.50
11 68 13 00-0165	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	339.35	21.10
11 68 13 00-0166	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,028.77	33.50
11 68 13 00-0167	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	750.52	50.24
11 68 13 00-0168	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,542.34	50.24
11 68 13 00-0169	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,557.57	133.98
11 68 13 00-0170	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,557.57	133.98
11 68 13 00-0171	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,523.03	66.99
11 68 13 00-0172	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,865.38	66.99
11 68 13 00-0173	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	1,964.84	33.50
11 68 13 00-0174	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,558.55	33.50
11 68 13 00-0175	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,778.78	66.99
11 68 13 00-0176	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,543.69	133.98
11 68 13 00-0177	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,543.69	133.98
11 68 13 00-0178	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,543.69	133.98
11 68 13 00-0179	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,543.69	133.98
11 68 13 00-0180	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	886.52	16.74
11 68 13 00-0181	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,384.06	11.17
11 68 13 00-0182	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,603.28	11.17
11 68 13 00-0183	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,749.42	11.17
11 68 13 00-0184	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	932.19	16.74
11 68 13 00-0185	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	744.68	11.17
11 68 13 00-0186	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,196.99	11.17
11 68 13 00-0187	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	589.40	11.17
11 68 13 00-0188	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	685.57	16.74
11 68 13 00-0189	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,868.16	11.17
11 68 13 00-0190	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,151.40	16.74
11 68 13 00-0191	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,581.21	33.50
11 68 13 00-0192	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,713.39	27.92
11 68 13 00-0193	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,609.12	50.24
11 68 13 00-0194	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,210.51	11.17
11 68 13 00-0195	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,799.92	16.74
11 68 13 00-0196	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,224.47	16.74
11 68 13 00-0197	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,544.67	33.50
11 68 13 00-0198	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	521.16	16.74
11 68 13 00-0199	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,649.45	27.92
11 68 13 00-0200	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,229.81	44.66
11 68 13 00-0201	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,557.61	11.17
11 68 13 00-0202	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	589.40	11.17
11 68 13 00-0203	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	804.31	16.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0204	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	589.40	11.17
11 68 13 00-0205	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	762.95	11.17
11 68 13 00-0206	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,389.90	50.24
11 68 13 00-0207	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,571.57	16.74
11 68 13 00-0208	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,187.94	16.74
11 68 13 00-0209	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,128.82	27.92
11 68 13 00-0210	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	635.58	27.92
11 68 13 00-0211	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	566.83	16.74
11 68 13 00-0212	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,563.45	50.24
11 68 13 00-0213	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,828.33	50.24
11 68 13 00-0214	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	534.60	11.17
11 68 13 00-0215	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	753.81	11.17
11 68 13 00-0216	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	145.49	11.17
11 68 13 00-0217	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	859.11	16.74
11 68 13 00-0218	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,137.95	27.92
11 68 13 00-0219	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	635.58	27.92
11 68 13 00-0220	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	900.47	27.92
11 68 13 00-0221	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	141.84	11.17
11 68 13 00-0222	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	278.85	11.17
11 68 13 00-0223	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	379.32	11.17
11 68 13 00-0224	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	214.91	11.17
11 68 13 00-0225	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	594.23	16.74
11 68 13 00-0226	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	612.50	16.74
11 68 13 00-0227	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	621.63	16.74
11 68 13 00-0228	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	639.90	16.74
11 68 13 00-0229	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	649.03	16.74
11 68 13 00-0230	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	667.30	16.74
11 68 13 00-0231	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	423.23	100.49
11 68 13 00-0232	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	887.02	33.50
11 68 13 00-0233	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,655.30	66.99
11 68 13 00-0234	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,847.11	66.99
11 68 13 00-0235	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	3,947.93	66.99
11 68 13 00-0236	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,605.58	66.99
11 68 13 00-0237	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	982.67	27.92
11 68 13 00-0238	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	937.00	27.92
11 68 13 00-0239	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	955.27	27.92
11 68 13 00-0240	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	776.91	16.74
11 68 13 00-0241	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,446.24	100.49
11 68 13 00-0242	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,309.23	100.49
11 68 13 00-0243	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,190.49	100.49
11 68 13 00-0244	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	178.37	11.17
11 68 13 00-0245	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	156.45	11.17
11 68 13 00-0246	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	233.18	11.17
11 68 13 00-0247	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	192.99	11.17
11 68 13 00-0248	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	287.98	11.17
11 68 13 00-0249	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	2,817.37	133.98
11 68 13 00-0250	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,246.66	133.98
11 68 13 00-0251	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,429.34	133.98
11 68 13 00-0252	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,773.02	33.50
11 68 13 00-0253	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,736.49	33.50
11 68 13 00-0254	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,718.22	33.50
11 68 13 00-0255	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,690.82	33.50
11 68 13 00-0256	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,663.41	33.50
11 68 13 00-0257	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,645.15	33.50
11 68 13 00-0258	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,626.88	33.50
11 68 13 00-0259	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,608.61	33.50
11 68 13 00-0260	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	384.15	16.74
11 68 13 00-0261	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	365.88	16.74
11 68 13 00-0262	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	338.48	16.74
11 68 13 00-0263	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	329.34	16.74
11 68 13 00-0264	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	320.21	16.74
11 68 13 00-0265	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	311.07	16.74
11 68 13 00-0266	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	587.64	100.49
11 68 13 00-0267	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	551.11	100.49
11 68 13 00-0268	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	541.97	100.49
11 68 13 00-0269	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	393.28	16.74
11 68 13 00-0270	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	384.15	16.74
11 68 13 00-0271	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	365.88	16.74
11 68 13 00-0272	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	338.48	16.74
11 68 13 00-0273	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	329.34	16.74
11 68 13 00-0274	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	457.22	16.74
11 68 13 00-0275	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	448.08	16.74
11 68 13 00-0276	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	420.68	16.74
11 68 13 00-0277	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	411.55	16.74
11 68 13 00-0278	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	402.41	16.74
11 68 13 00-0279	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	384.15	16.74
11 68 13 00-0280	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	365.88	16.74
11 68 13 00-0281	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	338.48	16.74
11 68 13 00-0282	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,495.07	104.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0283	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,462.46	103.25
11 68 13 00-0284	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,005.86	84.13
11 68 13 00-0285	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	1,973.21	82.73
11 68 13 00-0286	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	407.69	17.10
11 68 13 00-0287	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	391.38	16.42
11 68 13 00-0288	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	443.56	18.59
11 68 13 00-0289	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	424.00	17.78
11 68 13 00-0290	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	8,655.01	167.48
11 68 13 00-0291	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,588.34	100.49

11 68 13 00-0292 Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-0120)*

11 68 13 00-0293	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	3,594.77	167.48
11 68 13 00-0294	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,097.14	167.48
11 68 13 00-0295	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,038.97	200.98
11 68 13 00-0296	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	3,803.84	133.98
11 68 13 00-0297	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,372.50	223.31
11 68 13 00-0298	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,323.45	100.49
11 68 13 00-0299	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	11,508.91	301.46
11 68 13 00-0300	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,473.70	200.98
11 68 13 00-0301	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	7,677.67	167.48
11 68 13 00-0302	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,075.68	184.22
11 68 13 00-0303	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	11,871.71	217.72
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,269.73	234.47
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,199.68	200.98
11 68 13 00-0306	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,494.99	167.48
11 68 13 00-0307	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	8,847.33	184.22
11 68 13 00-0308	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	11,552.02	217.72
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	12,904.37	234.47
11 68 13 00-0310	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	398.10	27.92
11 68 13 00-0311	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	407.23	27.92
11 68 13 00-0312	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	416.36	27.92
11 68 13 00-0313	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	425.50	27.92
11 68 13 00-0314	EA	Track Ride Curved (Landscape Structures® 118093A)	4,285.89	66.99
11 68 13 00-0315	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,363.40	200.98
11 68 13 00-0316	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,180.72	200.98
11 68 13 00-0317	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,303.86	200.98
11 68 13 00-0318	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	4,938.50	200.98
11 68 13 00-0319	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	5,532.21	200.98
11 68 13 00-0320	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,349.53	200.98
11 68 13 00-0321	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	503.40	33.50
11 68 13 00-0322	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	19,385.49	401.95
11 68 13 00-0323	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	16,368.27	602.93
11 68 13 00-0324	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	5,289.68	334.96
11 68 13 00-0325	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	6,891.13	133.98
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	10,971.03	334.96
11 68 13 00-0327	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	663.50	44.66
11 68 13 00-0328	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,186.09	100.49
11 68 13 00-0329	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,816.34	100.49
11 68 13 00-0330	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	478.04	100.49
11 68 13 00-0331	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	733.79	100.49
11 68 13 00-0332	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	965.21	200.98
11 68 13 00-0333	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,522.38	200.98
11 68 13 00-0334	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	965.21	200.98
11 68 13 00-0335	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,522.38	200.98
11 68 13 00-0336	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	5,324.17	267.97
11 68 13 00-0337	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,258.19	200.98
11 68 13 00-0338	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,351.53	133.98
11 68 13 00-0339	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	978.36	33.50
11 68 13 00-0340	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	823.59	50.24
11 68 13 00-0341	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	14,458.17	267.97
11 68 13 00-0342	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,123.93	234.47
11 68 13 00-0343	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	3,833.28	200.98
11 68 13 00-0344	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	3,933.76	200.98
11 68 13 00-0345	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	4,736.52	167.48
11 68 13 00-0346	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,301.47	133.98
11 68 13 00-0347	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,453.33	33.50
11 68 13 00-0348	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,121.13	66.99
11 68 13 00-0349	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,029.79	66.99
11 68 13 00-0350	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	553.37	27.92
11 68 13 00-0351	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	7,525.46	267.97
11 68 13 00-0352	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,508.85	200.98
11 68 13 00-0353	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,326.17	200.98
11 68 13 00-0354	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,002.09	200.98
11 68 13 00-0355	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,156.65	33.50
11 68 13 00-0356	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	2,925.95	100.49
11 68 13 00-0357	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,347.48	133.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0358	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	7,759.88	167.48
11 68 13 00-0359	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,144.14	66.99
11 68 13 00-0360	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,696.57	66.99
11 68 13 00-0361	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,491.23	66.99
11 68 13 00-0362	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	2,997.99	66.99
11 68 13 00-0363	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,240.22	66.99
11 68 13 00-0364	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,765.25	66.99
11 68 13 00-0365	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	397.59	11.17
11 68 13 00-0366	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	324.52	11.17
11 68 13 00-0367	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,409.19	83.74
11 68 13 00-0368	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,298.56	50.24
11 68 13 00-0369	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,299.58	83.74
11 68 13 00-0370	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	1,948.61	100.49
11 68 13 00-0371	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	315.38	11.17
11 68 13 00-0372	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	260.58	11.17
11 68 13 00-0373	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,646.67	83.74
11 68 13 00-0374	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,647.19	100.49
11 68 13 00-0375	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,628.92	100.49
11 68 13 00-0376	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	1,948.61	100.49
11 68 13 00-0377	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,628.40	83.74
11 68 13 00-0378	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,628.92	100.49
11 68 13 00-0379	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,469.76	117.23
11 68 13 00-0380	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,624.53	100.49
11 68 13 00-0381	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,223.14	117.23
11 68 13 00-0382	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,368.77	100.49
11 68 13 00-0383	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,683.21	83.74
11 68 13 00-0384	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,372.14	66.99
11 68 13 00-0385	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,372.65	83.74
11 68 13 00-0386	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,354.38	83.74
11 68 13 00-0387	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,683.21	83.74
11 68 13 00-0388	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,363.01	66.99
11 68 13 00-0389	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,354.38	83.74
11 68 13 00-0390	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,728.88	83.74
11 68 13 00-0391	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,856.75	83.74
11 68 13 00-0392	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,765.41	83.74
11 68 13 00-0393	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,472.62	66.99
11 68 13 00-0394	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,591.36	66.99
11 68 13 00-0395	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,509.15	66.99
11 68 13 00-0396	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	10,963.94	401.95
11 68 13 00-0397	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	5,933.08	167.48
11 68 13 00-0398	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,230.10	167.48
11 68 13 00-0399	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	21,686.31	669.92
11 68 13 00-0400	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,694.23	133.98
11 68 13 00-0401	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	1,985.15	100.49
11 68 13 00-0402	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	41,199.67	1,071.88
11 68 13 00-0403	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	22,366.31	803.91
11 68 13 00-0404	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	20,165.01	803.91
11 68 13 00-0405	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	9,808.96	267.97
11 68 13 00-0406	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,399.04	50.24
11 68 13 00-0407	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,572.58	50.24
11 68 13 00-0408	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	4,938.50	200.98
11 68 13 00-0409	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,033.68	50.24
11 68 13 00-0410	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,125.02	50.24
11 68 13 00-0411	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	4,646.42	267.97
11 68 13 00-0412	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,492.97	267.97
11 68 13 00-0413	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	2,979.95	133.98
11 68 13 00-0414	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	2,826.50	133.98
11 68 13 00-0415	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,298.77	200.98
11 68 13 00-0416	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,452.22	200.98
11 68 13 00-0417	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,720.26	100.49
11 68 13 00-0418	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	1,873.71	100.49
11 68 13 00-0419	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	2,691.53	200.98
11 68 13 00-0420	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	2,844.98	200.98
11 68 13 00-0421	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,113.02	100.49
11 68 13 00-0422	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,266.47	100.49
11 68 13 00-0423	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,087.97	33.50
11 68 13 00-0424	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	5,388.10	267.97
11 68 13 00-0425	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	3,858.64	133.98
11 68 13 00-0426	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	4,858.33	267.97
11 68 13 00-0427	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,200.99	133.98
11 68 13 00-0428	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,415.47	133.98
11 68 13 00-0429	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,047.13	44.66
11 68 13 00-0430	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,838.48	83.74
11 68 13 00-0431	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	3,986.52	133.98
11 68 13 00-0432	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,479.75	133.98
11 68 13 00-0433	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	3,977.38	133.98
11 68 13 00-0434	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,470.62	133.98
11 68 13 00-0435	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	18,852.87	1,205.86
11 68 13 00-0436	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	18,250.02	1,205.86
11 68 13 00-0437	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	11,761.73	803.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0438	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	12,017.49	803.91
11 68 13 00-0439	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,726.03	133.98
11 68 13 00-0440	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,634.69	133.98
11 68 13 00-0441	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	21.12	5.59
11 68 13 00-0442	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	73.28	5.59
11 68 13 00-0443	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,046.10	11.17
11 68 13 00-0444	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	557.69	16.74
11 68 13 00-0445	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	557.69	16.74
11 68 13 00-0446	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	521.16	16.74
11 68 13 00-0447	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,096.60	16.74
11 68 13 00-0448	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	923.05	16.74
11 68 13 00-0449	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	923.05	16.74
11 68 13 00-0450	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	306.25	11.17
11 68 13 00-0451	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	740.88	33.50
11 68 13 00-0452	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	384.15	16.74
11 68 13 00-0453	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	365.88	16.74
11 68 13 00-0454	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	114.43	11.17
11 68 13 00-0455	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	107.13	11.17
11 68 13 00-0456	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	7.81	1.67
11 68 13 00-0457	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.24	
11 68 13 00-0458	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	274.54	16.74
11 68 13 00-0459	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	87.03	8.37
11 68 13 00-0460	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	320.21	16.74
11 68 13 00-0461	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	265.40	16.74
11 68 13 00-0462	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	4,817.71	133.98
11 68 13 00-0463	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	169.24	8.37
11 68 13 00-0464	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	169.24	8.37
11 68 13 00-0465	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	169.24	8.37
11 68 13 00-0466	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	169.24	8.37
11 68 13 00-0467	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	169.24	8.37
11 68 13 00-0468	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	169.24	8.37
11 68 13 00-0469	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	178.37	8.37
11 68 13 00-0470	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,495.62	66.99
11 68 13 00-0471	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,572.35	66.99
11 68 13 00-0472	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	91.34	
11 68 13 00-0473	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,687.44	66.99
11 68 13 00-0474	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,764.16	66.99
11 68 13 00-0475	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,236.50	100.49
11 68 13 00-0476	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	26,875.37	401.95
11 68 13 00-0477	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,124.95	267.97
11 68 13 00-0478	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,124.95	267.97
11 68 13 00-0479	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,020.66	66.99
11 68 13 00-0480	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,174.11	66.99
11 68 13 00-0481	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,258.14	66.99
11 68 13 00-0482	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,411.59	66.99
11 68 13 00-0483	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,170.18	33.50
11 68 13 00-0484	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,323.63	33.50
11 68 13 00-0485	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,252.38	33.50
11 68 13 00-0486	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,405.84	33.50
11 68 13 00-0487	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,112.00	66.99
11 68 13 00-0488	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,345.83	66.99
11 68 13 00-0489	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,349.48	66.99
11 68 13 00-0490	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,583.31	66.99
11 68 13 00-0491	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,243.25	33.50
11 68 13 00-0492	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,532.90	66.99
11 68 13 00-0493	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,325.46	33.50
11 68 13 00-0494	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,615.11	66.99
11 68 13 00-0495	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,203.34	66.99
11 68 13 00-0496	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,356.79	66.99
11 68 13 00-0497	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,440.82	66.99
11 68 13 00-0498	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,594.27	66.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0499	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,343.72	33.50
11 68 13 00-0500	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,553.00	66.99
11 68 13 00-0501	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,425.93	33.50
11 68 13 00-0502	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,635.20	66.99
11 68 13 00-0503	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,294.68	66.99
11 68 13 00-0504	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,528.51	66.99
11 68 13 00-0505	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,532.16	66.99
11 68 13 00-0506	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,765.99	66.99
11 68 13 00-0507	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,425.93	33.50
11 68 13 00-0508	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,715.58	66.99
11 68 13 00-0509	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,563.96	66.99
11 68 13 00-0510	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,797.79	66.99
11 68 13 00-0511	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,020.66	66.99
11 68 13 00-0512	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,258.14	66.99
11 68 13 00-0513	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,691.83	66.99
11 68 13 00-0514	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	1,938.45	66.99
11 68 13 00-0515	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,710.10	66.99
11 68 13 00-0516	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	1,956.72	66.99
11 68 13 00-0517	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,691.83	66.99
11 68 13 00-0518	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	1,938.45	66.99
11 68 13 00-0519	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,020.66	66.99
11 68 13 00-0520	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,258.14	66.99
11 68 13 00-0521	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,847.11	66.99
11 68 13 00-0522	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,066.33	66.99
11 68 13 00-0523	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	1,956.72	66.99
11 68 13 00-0524	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,194.20	66.99
11 68 13 00-0525	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,874.51	66.99
11 68 13 00-0526	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,102.86	66.99
11 68 13 00-0527	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	1,947.58	66.99
11 68 13 00-0528	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,733.11	66.99
11 68 13 00-0529	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,343.72	33.50
11 68 13 00-0530	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,352.86	33.50
11 68 13 00-0531	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,361.99	33.50
11 68 13 00-0532	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,440.82	66.99
11 68 13 00-0533	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,222.98	100.49
11 68 13 00-0534	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,407.03	133.98
11 68 13 00-0535	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	7,988.23	167.48
11 68 13 00-0536	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	384.15	16.74
11 68 13 00-0537	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	402.41	16.74
11 68 13 00-0538	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,028.87	267.97
11 68 13 00-0539	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,430.04	133.98
11 68 13 00-0540	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,622.87	167.48
11 68 13 00-0541	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	7,750.74	167.48
11 68 13 00-0542	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,486.20	167.48
11 68 13 00-0543	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,614.08	167.48
11 68 13 00-0544	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	9,760.22	167.48
11 68 13 00-0545	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,072.15	200.98
11 68 13 00-0546	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,218.29	200.98
11 68 13 00-0547	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,355.30	200.98
11 68 13 00-0548	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,221.60	66.99
11 68 13 00-0549	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	1,901.91	66.99
11 68 13 00-0550	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,797.05	66.99
11 68 13 00-0551	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	1,901.91	66.99
11 68 13 00-0552	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,166.80	66.99
11 68 13 00-0553	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,847.11	66.99
11 68 13 00-0554	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,742.24	66.99
11 68 13 00-0555	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,847.11	66.99
11 68 13 00-0556	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,245.64	100.49
11 68 13 00-0557	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,190.83	100.49
11 68 13 00-0558	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,630.64	133.98
11 68 13 00-0559	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,575.83	133.98
11 68 13 00-0560	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,189.17	167.48
11 68 13 00-0561	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,122.50	100.49

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11 68 13 00-0562	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,216.92	167.48
11 68 13 00-0563	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,521.38	133.98
11 68 13 00-0564	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,119.48	133.98
11 68 13 00-0565	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,521.38	133.98
11 68 13 00-0566	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,119.48	133.98
11 68 13 00-0567	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,022.03	100.49
11 68 13 00-0568	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,611.00	100.49
11 68 13 00-0569	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,404.00	167.48
11 68 13 00-0570	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,002.10	167.48
11 68 13 00-0571	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,611.00	100.49
11 68 13 00-0572	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,209.10	100.49
11 68 13 00-0573	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,510.52	100.49
11 68 13 00-0574	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,209.10	100.49
11 68 13 00-0575	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,222.98	100.49
11 68 13 00-0576	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,423.92	100.49
11 68 13 00-0577	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,309.58	100.49
11 68 13 00-0578	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,209.10	100.49
11 68 13 00-0579	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,222.98	100.49
11 68 13 00-0580	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,423.92	100.49
11 68 13 00-0581	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,527.42	66.99
11 68 13 00-0582	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,069.70	33.50
11 68 13 00-0583	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	950.96	33.50
11 68 13 00-0584	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,243.25	33.50
11 68 13 00-0585	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,545.69	66.99
11 68 13 00-0586	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,395.15	66.99
11 68 13 00-0587	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,577.83	66.99
11 68 13 00-0588	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,810.57	66.99
11 68 13 00-0589	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,828.84	66.99

11 68 13 00-0590 Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-0120)*

11 68 13 00-0591	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,682.70	66.99
11 68 13 00-0592	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,810.57	66.99
11 68 13 00-0593	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	713.48	33.50
11 68 13 00-0594	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	676.94	33.50
11 68 13 00-0595	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	557.69	16.74
11 68 13 00-0596	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	548.56	16.74
11 68 13 00-0597	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	521.16	16.74
11 68 13 00-0598	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	512.02	16.74
11 68 13 00-0599	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	484.62	16.74
11 68 13 00-0600	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	475.49	16.74
11 68 13 00-0601	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	457.22	16.74
11 68 13 00-0602	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	448.08	16.74
11 68 13 00-0603	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	420.68	16.74
11 68 13 00-0604	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	411.55	16.74
11 68 13 00-0605	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	484.62	16.74
11 68 13 00-0606	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	466.35	16.74
11 68 13 00-0607	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	457.22	16.74
11 68 13 00-0608	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	448.08	16.74
11 68 13 00-0609	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	420.68	16.74
11 68 13 00-0610	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	411.55	16.74
11 68 13 00-0611	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	402.41	16.74
11 68 13 00-0612	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	384.15	16.74
11 68 13 00-0613	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	365.88	16.74
11 68 13 00-0614	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	338.48	16.74
11 68 13 00-0615	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	667.81	33.50
11 68 13 00-0616	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	640.41	33.50
11 68 13 00-0617	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	613.00	33.50
11 68 13 00-0618	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	566.83	16.74
11 68 13 00-0619	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	557.69	16.74
11 68 13 00-0620	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	539.42	16.74
11 68 13 00-0621	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	512.02	16.74
11 68 13 00-0622	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	502.89	16.74
11 68 13 00-0623	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	484.62	16.74
11 68 13 00-0624	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,588.77	111.65
11 68 13 00-0625	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	6,960.18	301.46
11 68 13 00-0626	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,331.72	83.74
11 68 13 00-0627	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,596.61	83.74
11 68 13 00-0628	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,008.15	100.49
11 68 13 00-0629	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,715.78	94.90
11 68 13 00-0630	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,241.24	100.49
11 68 13 00-0631	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,497.00	100.49
11 68 13 00-0632	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,040.73	111.65
11 68 13 00-0633	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,287.35	111.65
11 68 13 00-0634	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,078.64	145.15
11 68 13 00-0635	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,034.18	66.99
11 68 13 00-0636	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,061.59	66.99
11 68 13 00-0637	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,436.08	66.99
11 68 13 00-0638	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,481.75	66.99
11 68 13 00-0639	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,513.94	200.98
11 68 13 00-0640	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,409.07	200.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0641	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	6,929.71	200.98
11 68 13 00-0642	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,137.44	267.97
11 68 13 00-0643	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,347.52	267.97
11 68 13 00-0644	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	9,827.23	267.97
11 68 13 00-0645	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	11,555.61	334.96
11 68 13 00-0646	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,293.88	150.73
11 68 13 00-0647	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	11,697.14	184.22
11 68 13 00-0648	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	1,993.25	66.99
11 68 13 00-0649	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,624.53	100.49
11 68 13 00-0650	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	2,944.22	100.49
11 68 13 00-0651	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,300.44	100.49
11 68 13 00-0652	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,712.50	133.98
11 68 13 00-0653	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	3,876.91	133.98
11 68 13 00-0654	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,461.49	133.98
11 68 13 00-0655	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,321.10	167.48
11 68 13 00-0656	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	7,917.71	251.22
11 68 13 00-0657	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,277.74	228.89
11 68 13 00-0658	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,150.46	251.22
11 68 13 00-0659	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,483.08	228.89
11 68 13 00-0660	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,852.36	83.74
11 68 13 00-0661	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,117.24	83.74
11 68 13 00-0662	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	3,884.50	83.74
11 68 13 00-0663	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,172.05	83.74
11 68 13 00-0664	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,436.93	83.74
11 68 13 00-0665	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,222.46	83.74
11 68 13 00-0666	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,235.99	83.74
11 68 13 00-0667	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,436.93	83.74
11 68 13 00-0668	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	3,962.40	94.90
11 68 13 00-0669	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,186.44	100.49
11 68 13 00-0670	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,697.94	100.49
11 68 13 00-0671	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	4,871.49	100.49
11 68 13 00-0672	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,425.30	133.98
11 68 13 00-0673	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,151.91	33.50
11 68 13 00-0674	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,047.55	50.24
11 68 13 00-0675	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,652.27	100.49
11 68 13 00-0676	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	2,903.88	128.40
11 68 13 00-0677	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,415.38	128.40
11 68 13 00-0678	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,314.91	128.40
11 68 13 00-0679	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	3,844.68	128.40
11 68 13 00-0680	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,670.11	94.90
11 68 13 00-0681	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,583.60	100.49
11 68 13 00-0682	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	3,857.62	100.49
11 68 13 00-0683	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,350.85	100.49
11 68 13 00-0684	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,615.74	100.49
11 68 13 00-0685	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,656.32	100.49
11 68 13 00-0686	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,756.80	100.49
11 68 13 00-0687	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	1,884.67	100.49
11 68 13 00-0688	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,313.97	100.49
11 68 13 00-0689	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,414.44	100.49
11 68 13 00-0690	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,542.32	100.49
11 68 13 00-0691	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,642.79	100.49
11 68 13 00-0692	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	3,803.84	133.98
11 68 13 00-0693	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	4,954.72	133.98
11 68 13 00-0694	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,630.64	133.98
11 68 13 00-0695	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,101.21	133.98
11 68 13 00-0696	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,388.76	133.98
11 68 13 00-0697	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,630.64	133.98
11 68 13 00-0698	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	4,845.11	133.98
11 68 13 00-0699	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	6,827.19	133.98
11 68 13 00-0700	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,388.76	133.98
11 68 13 00-0701	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	5,950.33	133.98
11 68 13 00-0702	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	2,944.22	100.49
11 68 13 00-0703	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	3,866.75	100.49
11 68 13 00-0704	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,286.05	83.74
11 68 13 00-0705	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	1,952.41	78.16
11 68 13 00-0706	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,664.86	78.16
11 68 13 00-0707	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,345.17	78.16
11 68 13 00-0708	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,057.70	83.74
11 68 13 00-0709	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,167.31	83.74
11 68 13 00-0710	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,258.65	83.74
11 68 13 00-0711	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,253.91	83.74
11 68 13 00-0712	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,326.98	83.74
11 68 13 00-0713	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,445.72	83.74
11 68 13 00-0714	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,646.67	83.74
11 68 13 00-0715	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,719.74	83.74
11 68 13 00-0716	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,820.22	83.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0717	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,258.65	83.74
11 68 13 00-0718	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,276.92	83.74
11 68 13 00-0719	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,706.21	83.74
11 68 13 00-0720	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,724.48	83.74
11 68 13 00-0721	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,642.28	83.74
11 68 13 00-0722	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,687.95	83.74
11 68 13 00-0723	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,117.24	83.74
11 68 13 00-0724	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,144.65	83.74
11 68 13 00-0725	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,255.63	117.23
11 68 13 00-0726	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,269.15	117.23
11 68 13 00-0727	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,454.35	66.99
11 68 13 00-0728	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,655.30	66.99
11 68 13 00-0729	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,856.24	66.99
11 68 13 00-0730	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,112.00	66.99
11 68 13 00-0731	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,073.97	150.73
11 68 13 00-0732	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,244.80	50.24
11 68 13 00-0733	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,046.41	133.98
11 68 13 00-0734	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,046.41	133.98
11 68 13 00-0735	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,046.41	133.98
11 68 13 00-0736	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,244.80	50.24
11 68 13 00-0737	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,514.24	66.99
11 68 13 00-0738	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,355.26	66.99
11 68 13 00-0739	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,099.32	83.74
11 68 13 00-0740	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	210.60	16.74
11 68 13 00-0741	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	247.14	16.74
11 68 13 00-0742	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,005.26	16.74
11 68 13 00-0743	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	338.48	16.74
11 68 13 00-0744	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,090.36	100.49
11 68 13 00-0745	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,327.84	100.49
11 68 13 00-0746	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,492.26	100.49
11 68 13 00-0747	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,830.21	100.49
11 68 13 00-0748	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,492.26	100.49
11 68 13 00-0749	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,757.14	100.49
11 68 13 00-0750	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,746.13	50.24
11 68 13 00-0751	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,513.38	50.24
11 68 13 00-0752	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,289.77	50.24
11 68 13 00-0753	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,057.03	50.24
11 68 13 00-0754	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,682.19	50.24
11 68 13 00-0755	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	1,937.94	50.24
11 68 13 00-0756	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,202.83	50.24
11 68 13 00-0757	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,312.44	50.24
11 68 13 00-0758	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,029.28	50.24
11 68 13 00-0759	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,303.30	50.24
11 68 13 00-0760	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,559.05	50.24
11 68 13 00-0761	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,814.81	50.24
11 68 13 00-0762	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	4,808.06	117.23
11 68 13 00-0763	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	4,935.94	117.23
11 68 13 00-0764	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	4,862.86	117.23
11 68 13 00-0765	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,620.99	117.23
11 68 13 00-0766	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,748.86	117.23
11 68 13 00-0767	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	5,694.06	117.23
11 68 13 00-0768	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,801.95	83.74
11 68 13 00-0769	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	1,993.76	83.74
11 68 13 00-0770	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,194.71	83.74
11 68 13 00-0771	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,341.37	100.49
11 68 13 00-0772	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,542.32	100.49
11 68 13 00-0773	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,734.13	100.49
11 68 13 00-0774	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,203.84	83.74
11 68 13 00-0775	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,386.52	83.74
11 68 13 00-0776	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,596.61	83.74
11 68 13 00-0777	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,235.13	66.99
11 68 13 00-0778	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,637.03	66.99
11 68 13 00-0779	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,454.35	66.99
11 68 13 00-0780	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,582.22	66.99
11 68 13 00-0781	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,856.24	66.99
11 68 13 00-0782	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	1,965.85	66.99
11 68 13 00-0783	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,092.80	44.66
11 68 13 00-0784	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,211.54	44.66
11 68 13 00-0785	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,357.68	44.66
11 68 13 00-0786	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,627.39	50.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0787	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,846.60	50.24
11 68 13 00-0788	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,047.55	50.24
11 68 13 00-0789	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,321.57	50.24
11 68 13 00-0790	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,422.04	50.24
11 68 13 00-0791	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,513.38	50.24
11 68 13 00-0792	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,823.94	50.24
11 68 13 00-0793	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	2,924.41	50.24
11 68 13 00-0794	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,340.85	83.74
11 68 13 00-0795	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,459.60	83.74
11 68 13 00-0796	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,227.37	100.49
11 68 13 00-0797	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,373.51	100.49
11 68 13 00-0798	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,742.75	83.74
11 68 13 00-0799	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,852.36	83.74
11 68 13 00-0800	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,207.73	66.99
11 68 13 00-0801	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,655.30	66.99
11 68 13 00-0802	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,098.55	78.16
11 68 13 00-0803	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,555.25	78.16
11 68 13 00-0804	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,029.79	66.99
11 68 13 00-0805	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,166.80	66.99
11 68 13 00-0806	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,486.49	66.99
11 68 13 00-0807	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,806.18	66.99
11 68 13 00-0808	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,440.82	66.99
11 68 13 00-0809	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,568.70	66.99
11 68 13 00-0810	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,888.39	66.99
11 68 13 00-0811	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,217.21	66.99
11 68 13 00-0812	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,429.80	100.49
11 68 13 00-0813	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,764.90	66.99
11 68 13 00-0814	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	1,893.81	100.49
11 68 13 00-0815	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	7,927.36	267.97
11 68 13 00-0816	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	7,927.36	267.97
11 68 13 00-0817	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,563.96	66.99
11 68 13 00-0818	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,563.96	66.99
11 68 13 00-0819	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,737.50	66.99
11 68 13 00-0820	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,737.50	66.99
11 68 13 00-0821	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	997.14	50.24
11 68 13 00-0822	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,079.35	50.24
11 68 13 00-0823	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,134.15	50.24
11 68 13 00-0824	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,207.22	50.24
11 68 13 00-0825	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,609.12	50.24
11 68 13 00-0826	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,682.19	50.24
11 68 13 00-0827	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,746.13	50.24
11 68 13 00-0828	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,828.33	50.24
11 68 13 00-0829	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,389.90	50.24
11 68 13 00-0830	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,444.71	50.24
11 68 13 00-0831	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,526.91	50.24
11 68 13 00-0832	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,609.12	50.24
11 68 13 00-0833	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,116.90	83.74
11 68 13 00-0834	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,162.57	83.74
11 68 13 00-0835	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,244.77	83.74
11 68 13 00-0836	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,610.13	83.74
11 68 13 00-0837	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,683.21	83.74
11 68 13 00-0838	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,738.01	83.74
11 68 13 00-0839	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,801.95	83.74
11 68 13 00-0840	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,865.89	83.74
11 68 13 00-0841	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	1,929.82	83.74
11 68 13 00-0842	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,326.98	83.74
11 68 13 00-0843	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,400.05	83.74
11 68 13 00-0844	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,445.72	83.74
11 68 13 00-0845	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,491.39	83.74
11 68 13 00-0846	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,546.20	83.74
11 68 13 00-0847	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,628.40	83.74
11 68 13 00-0848	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,395.15	66.99
11 68 13 00-0849	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,682.19	50.24
11 68 13 00-0850	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,373.51	100.49
11 68 13 00-0851	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	832.22	33.50
11 68 13 00-0852	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,395.15	66.99
11 68 13 00-0853	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,341.72	100.49
11 68 13 00-0854	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,436.93	83.74
11 68 13 00-0855	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,227.37	100.49
11 68 13 00-0856	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,656.15	83.74
11 68 13 00-0857	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,313.45	83.74
11 68 13 00-0858	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,499.00	33.50
11 68 13 00-0859	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,462.47	33.50
11 68 13 00-0860	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,544.67	33.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0861	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,179.31	33.50
11 68 13 00-0862	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,654.28	33.50
11 68 13 00-0863	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,316.32	33.50
11 68 13 00-0864	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,690.82	33.50
11 68 13 00-0865	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,436.93	83.74
11 68 13 00-0866	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,462.47	33.50
11 68 13 00-0867	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,594.57	16.74
11 68 13 00-0868	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,166.29	50.24
11 68 13 00-0869	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,910.54	50.24
11 68 13 00-0870	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,600.49	66.99
11 68 13 00-0871	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,691.83	66.99
11 68 13 00-0872	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,253.75	66.99
11 68 13 00-0873	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,673.91	66.99
11 68 13 00-0874	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,562.47	150.73
11 68 13 00-0875	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	5,841.74	167.48
11 68 13 00-0876	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	12,697.36	334.96
11 68 13 00-0877	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	6,929.71	200.98
11 68 13 00-0878	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,823.43	33.50
11 68 13 00-0879	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,015.25	33.50
11 68 13 00-0880	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,464.68	83.74
11 68 13 00-0881	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,081.40	83.74
11 68 13 00-0882	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,851.34	50.24
11 68 13 00-0883	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,214.87	133.98
11 68 13 00-0884	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	4,909.05	133.98
11 68 13 00-0885	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	411.55	16.74
11 68 13 00-0886	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	576.98	50.24
11 68 13 00-0887	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	723.12	50.24
11 68 13 00-0888	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	558.71	50.24
11 68 13 00-0889	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,624.87	100.49
11 68 13 00-0890	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	5,876.74	117.23
11 68 13 00-0891	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,716.56	100.49
11 68 13 00-0892	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,251.07	100.49
11 68 13 00-0893	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	3,788.64	234.47
11 68 13 00-0894	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,342.43	267.97
11 68 13 00-0895	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,342.43	267.97
11 68 13 00-0896	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,239.20	33.50
11 68 13 00-0897	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,750.36	33.50
11 68 13 00-0898	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,036.06	117.23
11 68 13 00-0899	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,463.83	66.99
11 68 13 00-0900	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,130.61	66.99
11 68 13 00-0901	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,623.50	66.99
11 68 13 00-0902	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	6,754.12	133.98
11 68 13 00-0903	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	6,754.12	133.98
11 68 13 00-0904	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,754.12	133.98
11 68 13 00-0905	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	6,754.12	133.98
11 68 13 00-0906	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,269.15	117.23
11 68 13 00-0907	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,757.65	117.23
11 68 13 00-0908	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	3,885.53	117.23
11 68 13 00-0909	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,115.81	44.66
11 68 13 00-0910	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,006.20	44.66
11 68 13 00-0911	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,394.13	33.50
11 68 13 00-0912	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,836.96	33.50
11 68 13 00-0913	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,750.45	44.66
11 68 13 00-0914	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,613.44	44.66
11 68 13 00-0915	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,060.57	33.50
11 68 13 00-0916	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	768.28	33.50
11 68 13 00-0917	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	777.42	33.50
11 68 13 00-0918	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,544.67	33.50
11 68 13 00-0919	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,229.81	44.66
11 68 13 00-0920	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	941.83	33.50
11 68 13 00-0921	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	941.83	33.50
11 68 13 00-0922	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,462.47	33.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0923	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,398.53	33.50
11 68 13 00-0924	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,663.41	33.50
11 68 13 00-0925	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	1,992.24	33.50
11 68 13 00-0926	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,836.96	33.50
11 68 13 00-0927	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	960.10	33.50
11 68 13 00-0928	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,618.25	50.24
11 68 13 00-0929	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,874.00	50.24
11 68 13 00-0930	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,179.31	33.50
11 68 13 00-0931	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,371.13	33.50
11 68 13 00-0932	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,087.97	33.50
11 68 13 00-0933	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	905.29	33.50
11 68 13 00-0934	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	859.62	33.50
11 68 13 00-0935	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,476.92	61.40
11 68 13 00-0936	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,029.28	50.24
11 68 13 00-0937	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,366.82	44.66
11 68 13 00-0938	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	768.28	33.50
11 68 13 00-0939	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	795.68	33.50
11 68 13 00-0940	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	384.15	16.74
11 68 13 00-0941	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	192.99	11.17
11 68 13 00-0942	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,037.48	27.92
11 68 13 00-0943	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,234.12	33.50
11 68 13 00-0944	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	877.89	33.50
11 68 13 00-0945	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,293.66	33.50
11 68 13 00-0946	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	1,992.24	33.50
11 68 13 00-0947	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,503.74	33.50
11 68 13 00-0948	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	795.68	33.50
11 68 13 00-0949	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	846.18	44.66
11 68 13 00-0950	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,033.17	33.50
11 68 13 00-0951	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,101.93	44.66
11 68 13 00-0952	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	850.49	33.50
11 68 13 00-0953	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,106.24	33.50
11 68 13 00-0954	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	676.94	33.50
11 68 13 00-0955	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	864.45	44.66
11 68 13 00-0956	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	859.11	16.74
11 68 13 00-0957	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	608.39	16.74
11 68 13 00-0958	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,133.13	16.74
11 68 13 00-0959	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,923.47	27.92
11 68 13 00-0960	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,019.21	27.92
11 68 13 00-0961	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,576.38	27.92
11 68 13 00-0962	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,161.04	33.50
11 68 13 00-0963	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,425.93	33.50
11 68 13 00-0964	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,923.91	33.50
11 68 13 00-0965	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,138.81	44.66
11 68 13 00-0966	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,800.42	33.50
11 68 13 00-0967	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	882.72	44.66
11 68 13 00-0968	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,083.66	44.66
11 68 13 00-0969	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,147.60	44.66
11 68 13 00-0970	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,348.55	44.66
11 68 13 00-0971	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	960.10	33.50
11 68 13 00-0972	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,224.98	33.50
11 68 13 00-0973	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	612.50	16.74
11 68 13 00-0974	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	233.18	11.17
11 68 13 00-0975	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	260.58	11.17
11 68 13 00-0976	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	315.89	27.92
11 68 13 00-0977	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	306.76	27.92
11 68 13 00-0978	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,750.94	61.40
11 68 13 00-0979	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	713.99	50.24
11 68 13 00-0980	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	659.18	50.24
11 68 13 00-0981	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	896.16	33.50
11 68 13 00-0982	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,458.58	50.24
11 68 13 00-0983	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	868.25	16.74
11 68 13 00-0984	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	923.05	16.74
11 68 13 00-0985	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	649.03	16.74
11 68 13 00-0986	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	658.17	16.74
11 68 13 00-0987	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	667.30	16.74
11 68 13 00-0988	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	676.43	16.74
11 68 13 00-0989	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	685.57	16.74
11 68 13 00-0990	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	703.84	16.74
11 68 13 00-0991	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	712.97	16.74
11 68 13 00-0992	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	731.24	16.74
11 68 13 00-0993	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	740.37	16.74
11 68 13 00-0994	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,032.66	16.74
11 68 13 00-0995	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,009.18	133.98
11 68 13 00-0996	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,315.34	133.98
11 68 13 00-0997	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,556.19	100.49
11 68 13 00-0998	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,802.81	100.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0999	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	5,986.35	117.23
11 68 13 00-1000	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	370.19	11.17
11 68 13 00-1001	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	14,654.07	401.95
11 68 13 00-1002	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	4,522.43	334.96
11 68 13 00-1003	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	25,219.11	602.93
11 68 13 00-1004	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	19,492.10	602.93
11 68 13 00-1005	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	18,386.88	602.93
11 68 13 00-1006	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	25,374.39	602.93
11 68 13 00-1007	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	19,647.37	602.93
11 68 13 00-1008	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	18,551.29	602.93
11 68 13 00-1009	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,288.92	33.50
11 68 13 00-1010	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,234.12	33.50
11 68 13 00-1011	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,197.58	33.50
11 68 13 00-1012	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	986.99	16.74
11 68 13 00-1013	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,656.15	83.74
11 68 13 00-1014	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	964.40	27.92
11 68 13 00-1015	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,050.93	16.74
11 68 13 00-1016	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	704.34	33.50
11 68 13 00-1017	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	571.64	27.92
11 68 13 00-1018	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	717.79	27.92
11 68 13 00-1019	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,082.25	133.98
11 68 13 00-1020	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,520.68	133.98
11 68 13 00-1021	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	3,703.36	133.98
11 68 13 00-1022	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,429.34	133.98
11 68 13 00-1023	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	3,858.64	133.98
11 68 13 00-1024	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,013.92	133.98
11 68 13 00-1025	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,873.50	33.50
11 68 13 00-1026	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,809.56	33.50
11 68 13 00-1027	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,736.49	33.50
11 68 13 00-1028	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,718.22	33.50
11 68 13 00-1029	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,599.48	33.50
11 68 13 00-1030	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	599.04	27.92
11 68 13 00-1031	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	580.78	27.92
11 68 13 00-1032	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	571.64	27.92
11 68 13 00-1033	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	562.51	27.92
11 68 13 00-1034	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	553.37	27.92
11 68 13 00-1035	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	535.11	27.92
11 68 13 00-1036	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	525.97	27.92
11 68 13 00-1037	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	516.84	27.92
11 68 13 00-1038	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	498.57	27.92
11 68 13 00-1039	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	562.51	27.92
11 68 13 00-1040	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	553.37	27.92
11 68 13 00-1041	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	535.11	27.92
11 68 13 00-1042	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	525.97	27.92
11 68 13 00-1043	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	516.84	27.92
11 68 13 00-1044	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	498.57	27.92
11 68 13 00-1045	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	489.44	27.92
11 68 13 00-1046	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	480.30	27.92
11 68 13 00-1047	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	471.17	27.92
11 68 13 00-1048	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	448.08	16.74
11 68 13 00-1049	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	760.47	16.74
11 68 13 00-1050	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	411.55	16.74
11 68 13 00-1051	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	402.41	16.74
11 68 13 00-1052	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	393.28	16.74
11 68 13 00-1053	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	384.15	16.74
11 68 13 00-1054	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	365.88	16.74
11 68 13 00-1055	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	338.48	16.74
11 68 13 00-1056	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	320.21	16.74
11 68 13 00-1057	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	311.07	16.74
11 68 13 00-1058	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	512.02	16.74
11 68 13 00-1059	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	594.23	16.74
11 68 13 00-1060	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	521.16	16.74
11 68 13 00-1061	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	512.02	16.74
11 68 13 00-1062	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	502.89	16.74
11 68 13 00-1063	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	484.62	16.74
11 68 13 00-1064	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	475.49	16.74
11 68 13 00-1065	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	466.35	16.74
11 68 13 00-1066	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	457.22	16.74
11 68 13 00-1067	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	448.08	16.74
11 68 13 00-1068	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	420.68	16.74

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11 68 13 00-1069	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	411.55	16.74
11 68 13 00-1070	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	1,534.65	602.93
11 68 13 00-1071	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	1,543.79	602.93
11 68 13 00-1072	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	1,562.05	602.93
11 68 13 00-1073	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	1,745.69	334.96
11 68 13 00-1074	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	1,690.89	334.96
11 68 13 00-1075	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	1,663.48	334.96
11 68 13 00-1076	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	1,508.21	334.96
11 68 13 00-1077	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	1,471.67	334.96
11 68 13 00-1078	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	673.29	33.50
11 68 13 00-1079	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,774.04	66.99
11 68 13 00-1080	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,518.29	66.99
11 68 13 00-1081	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,761.33	100.49
11 68 13 00-1082	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	3,939.82	100.49
11 68 13 00-1083	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,319.57	133.98
11 68 13 00-1084	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	4,954.72	133.98
11 68 13 00-1085	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	676.94	33.50
11 68 13 00-1086	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	649.54	33.50
11 68 13 00-1087	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	622.14	33.50
11 68 13 00-1088	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	613.00	33.50
11 68 13 00-1089	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	566.83	16.74
11 68 13 00-1090	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	548.56	16.74
11 68 13 00-1091	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	521.16	16.74
11 68 13 00-1092	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	512.02	16.74
11 68 13 00-1093	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	502.89	16.74
11 68 13 00-1094	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,700.97	66.99
11 68 13 00-1095	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,686.63	133.98
11 68 13 00-1096	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,319.57	133.98
11 68 13 00-1097	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,498.83	133.98
11 68 13 00-1098	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,694.58	133.98
11 68 13 00-1099	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	26,875.37	401.95
11 68 13 00-1100	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,124.95	267.97
11 68 13 00-1101	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,316.32	33.50
11 68 13 00-1102	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,716.21	100.49
11 68 13 00-1103	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,222.98	100.49
11 68 13 00-1104	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,484.49	133.98
11 68 13 00-1105	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,274.41	133.98
11 68 13 00-1106	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	4,734.48	100.49
11 68 13 00-1107	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,497.00	100.49
11 68 13 00-1108	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,003.76	100.49
11 68 13 00-1109	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,516.64	133.98
11 68 13 00-1110	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	676.94	33.50
11 68 13 00-1111	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,033.17	33.50
11 68 13 00-1112	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,151.91	33.50
11 68 13 00-1113	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,710.10	66.99
11 68 13 00-1114	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,837.98	66.99
11 68 13 00-1115	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	1,929.32	66.99
11 68 13 00-1116	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,029.79	66.99
11 68 13 00-1117	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	2,907.68	100.49
11 68 13 00-1118	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,837.98	66.99
11 68 13 00-1119	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,655.30	66.99
11 68 13 00-1120	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,398.53	33.50
11 68 13 00-1121	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,078.84	33.50
11 68 13 00-1122	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,029.79	66.99
11 68 13 00-1123	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,078.84	33.50
11 68 13 00-1124	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,815.31	66.99
11 68 13 00-1125	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,787.91	66.99
11 68 13 00-1126	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	8,655.01	167.48
11 68 13 00-1127	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,120.84	167.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1128	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,588.34	100.49
11 68 13 00-1129	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,365.75	133.98
11 68 13 00-1130	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	777.42	33.50
11 68 13 00-1131	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,652.27	100.49
11 68 13 00-1132	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,239.58	167.48
11 68 13 00-1133	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	2,907.68	100.49
11 68 13 00-1134	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,252.38	33.50
11 68 13 00-1135	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,124.51	33.50
11 68 13 00-1136	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,133.64	33.50
11 68 13 00-1137	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,541.29	66.99
11 68 13 00-1138	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,002.39	66.99
11 68 13 00-1139	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,051.44	33.50
11 68 13 00-1140	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,234.12	33.50
11 68 13 00-1141	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,151.91	33.50
11 68 13 00-1142		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-0120)*		
11 68 13 00-1143	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	950.96	33.50
11 68 13 00-1144	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,124.51	33.50
11 68 13 00-1145	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,341.72	100.49
11 68 13 00-1146	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,309.58	100.49
11 68 13 00-1147	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,017.89	94.90
11 68 13 00-1148	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,096.47	133.98
11 68 13 00-1149	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,085.45	83.74
11 68 13 00-1150	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,552.49	100.49
11 68 13 00-1151	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	1,947.58	66.99
11 68 13 00-1152	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,595.59	50.24
11 68 13 00-1153	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	406.72	11.17
11 68 13 00-1154	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,836.96	33.50
11 68 13 00-1155	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,329.76	27.92
11 68 13 00-1156	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,338.90	27.92
11 68 13 00-1157	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,348.03	27.92
11 68 13 00-1158	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,594.96	150.73
11 68 13 00-1159	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	7,922.25	100.49
11 68 13 00-1160	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,427.29	66.99
11 68 13 00-1161	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,745.97	33.50
11 68 13 00-1162	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	32,538.45	401.95
11 68 13 00-1163	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	36,435.67	602.93
11 68 13 00-1164	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	3,906.35	200.98
11 68 13 00-1165	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,810.57	66.99
11 68 13 00-1166	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,828.84	66.99
11 68 13 00-1167	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,234.12	33.50
11 68 13 00-1168	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,133.64	33.50
11 68 13 00-1169	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	960.10	33.50
11 68 13 00-1170	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	1,993.25	66.99
11 68 13 00-1171	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,033.17	33.50
11 68 13 00-1172	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,646.16	66.99
11 68 13 00-1173	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	631.27	33.50
11 68 13 00-1174	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	887.02	33.50
11 68 13 00-1175	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,161.04	33.50
11 68 13 00-1176	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,733.11	66.99
11 68 13 00-1177	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,309.58	100.49
11 68 13 00-1178	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	5,941.19	133.98
11 68 13 00-1179	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,422.55	66.99
11 68 13 00-1180	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,650.90	66.99
11 68 13 00-1181	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	36,965.44	602.93
11 68 13 00-1182	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	40,527.70	602.93
11 68 13 00-1183	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,250.38	100.49
11 68 13 00-1184	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	7,933.42	167.48
11 68 13 00-1185	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,856.24	66.99
11 68 13 00-1186	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,358.61	66.99
11 68 13 00-1187	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,358.61	66.99
11 68 13 00-1188		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-0120)*		
11 68 13 00-1189	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	950.96	33.50
11 68 13 00-1190	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,468.22	66.99
11 68 13 00-1191		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-0120)*		
11 68 13 00-1192	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	80.90	16.74

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11 68 13 00-1193	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	86.38	16.74
11 68 13 00-1194	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	79.07	16.74
11 68 13 00-1195	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	7.42	3.35
11 68 13 00-1196	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	7.42	3.35
11 68 13 00-1197	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	7.42	3.35
11 68 13 00-1198	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	7.42	3.35
11 68 13 00-1199	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	139.35	16.74
11 68 13 00-1200	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	75.11	6.70
11 68 13 00-1201	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	42.23	6.70
11 68 13 00-1202	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	44.05	6.70
11 68 13 00-1203	EA	2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	96.17	8.37
11 68 13 00-1204	EA	3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	96.17	8.37
11 68 13 00-1205	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	11.87	
11 68 13 00-1206	EA	Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	130.88	8.37
11 68 13 00-1207	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	80.59	6.70
11 68 13 00-1208	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	84.55	16.74
11 68 13 00-1209	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	74.50	16.74
11 68 13 00-1210	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	110.13	16.74
11 68 13 00-1211	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	69.94	16.74
11 68 13 00-1212	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	79.07	16.74
11 68 13 00-1213	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	88.20	16.74
11 68 13 00-1214	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	97.34	16.74
11 68 13 00-1215	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	115.61	16.74
11 68 13 00-1216	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	72.68	16.74
11 68 13 00-1217	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	137.53	16.74
11 68 13 00-1218	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	759.15	33.50
11 68 13 00-1219	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	292.81	16.74
11 68 13 00-1220	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	283.67	16.74
11 68 13 00-1221	EA	Nylon Basketball Net (Landscape Structures® 100082A)	39.54	8.37
11 68 13 00-1222	EA	Chain Basketball Net (Landscape Structures® 100083A)	52.32	8.37
11 68 13 00-1223	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,398.53	33.50
11 68 13 00-1224	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,151.91	33.50
11 68 13 00-1225	EA	Warning Label (Landscape Structures® 115176A)	0.18	
11 68 13 00-1226	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68 13 00-1227	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68 13 00-1228	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	740.88	33.50
11 68 13 00-1229	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	139.35	16.74
11 68 13 00-1230	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	887.02	33.50

11 68 13 00-1231 Playground Equipment (Landscape Structures® Site Furniture) *(11 68 13 00-0120)*

11 68 13 00-1232	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,476.92	61.40
11 68 13 00-1233	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	732.25	50.24
11 68 13 00-1234	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,285.11	61.40
11 68 13 00-1235	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	713.99	50.24
11 68 13 00-1236	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,161.97	61.40
11 68 13 00-1237	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	978.87	50.24
11 68 13 00-1238	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,869.69	61.40
11 68 13 00-1239	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	951.47	50.24
11 68 13 00-1240	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	302.96	50.24
11 68 13 00-1241	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	153.16	50.24
11 68 13 00-1242	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	219.59	44.66
11 68 13 00-1243	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	905.80	50.24
11 68 13 00-1244	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	782.24	44.66
11 68 13 00-1245	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	782.24	44.66
11 68 13 00-1246	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	457.73	33.50
11 68 13 00-1247	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	704.34	33.50
11 68 13 00-1248	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,224.67	167.48
11 68 13 00-1249	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,133.33	167.48
11 68 13 00-1250	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,005.46	167.48
11 68 13 00-1251	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	2,836.65	167.48
11 68 13 00-1252	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	2,736.18	167.48
11 68 13 00-1253	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,599.17	167.48
11 68 13 00-1254	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,343.41	167.48
11 68 13 00-1255	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,224.67	167.48
11 68 13 00-1256	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,096.80	167.48
11 68 13 00-1257	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	2,955.39	167.48
11 68 13 00-1258	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	2,836.65	167.48
11 68 13 00-1259	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,690.51	167.48
11 68 13 00-1260	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	732.25	50.24
11 68 13 00-1261	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	814.46	50.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1262	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	796.19	50.24
11 68 13 00-1263	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	878.40	50.24
11 68 13 00-1264	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,115.88	50.24
11 68 13 00-1265	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,033.68	50.24
11 68 13 00-1266	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,188.95	50.24
11 68 13 00-1267	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,106.75	50.24
11 68 13 00-1268	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	154.62	11.17
11 68 13 00-1269	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	777.42	33.50
11 68 13 00-1270	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	795.68	33.50
11 68 13 00-1271	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	485.13	33.50
11 68 13 00-1272	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	512.53	33.50
11 68 13 00-1273	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	795.68	33.50
11 68 13 00-1274	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	832.22	33.50
11 68 13 00-1275	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	512.53	33.50
11 68 13 00-1276	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	549.07	33.50
11 68 13 00-1277	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,730.42	133.98
11 68 13 00-1278	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	1,821.76	133.98
11 68 13 00-1279	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	1,830.89	133.98
11 68 13 00-1280	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	1,967.90	133.98
11 68 13 00-1281	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	1,785.22	133.98
11 68 13 00-1282	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	1,894.83	133.98
11 68 13 00-1283	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,823.00	27.92
11 68 13 00-1284	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,649.45	27.92
11 68 13 00-1285	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,503.31	27.92
11 68 13 00-1286	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	768.28	33.50
11 68 13 00-1287	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	649.54	33.50
11 68 13 00-1288	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	896.16	33.50
11 68 13 00-1289		Playground Equipment (GameTime) *(11 68 13)*		
11 68 13 00-1290		Playground Equipment (GameTime Models 200 To 8538) *(11 68 13 00-1289)*		
11 68 13 00-1291	EA	Four Seat Buck-A-Bout (GameTime 200)	2,964.07	279.13
11 68 13 00-1292	EA	5 Goose/Brkaway Wh Alum (GameTime 201SS)	2,390.81	227.77
11 68 13 00-1293	EA	4 Goose/Dbl Wh Alum (GameTime 203SS)	2,163.44	206.00
11 68 13 00-1294	EA	5 Goose/Dbl Rim Wh Alum (GameTime 205SS)	2,208.46	210.47
11 68 13 00-1295	EA	Top (GameTime 211)	9.60	1.11
11 68 13 00-1296	EA	Clevis (GameTime 213)	7.92	0.56
11 68 13 00-1297	EA	Two Seat Buck-A-Bout (GameTime 243)	3,406.58	264.06
11 68 13 00-1298	EA	Hi Sch Goose Goalposts-Wh (GameTime 250SS)	9,943.71	947.38
11 68 13 00-1299	EA	Hi Sch Goose Goalposts-Yw (GameTime 251SS)	9,943.71	947.38
11 68 13 00-1300	EA	Two-Leg Portable Bench, 6' (GameTime 252)	1,064.84	101.60
11 68 13 00-1301	EA	Two-Leg Portable Bench, 8' (GameTime 253)	1,249.44	118.91
11 68 13 00-1302	EA	Elephant Only (GameTime 271)	1,247.74	161.34
11 68 13 00-1303	EA	Pelican Only (GameTime 274)	1,247.74	161.34
11 68 13 00-1304	EA	Donkey Only (GameTime 275)	1,247.74	161.34
11 68 13 00-1305	EA	Rocket Only (GameTime 276)	1,247.74	161.34
11 68 13 00-1306	EA	Pony Only (GameTime 279)	1,247.74	161.34
11 68 13 00-1307	EA	Whale Animal Only (GameTime 283)	2,070.05	161.34
11 68 13 00-1308	EA	Whirl With Mechanical Brake (GameTime 325)	3,658.81	484.02
11 68 13 00-1309	EA	Frog Only (GameTime 359)	1,247.74	161.34
11 68 13 00-1310	EA	Swampy Only (GameTime 360)	1,247.74	161.34
11 68 13 00-1311	EA	Bumble Bee Only (GameTime 361)	1,247.74	161.34
11 68 13 00-1312	EA	Chicken Only (GameTime 387)	1,247.74	161.34
11 68 13 00-1313	EA	Duck Only (GameTime 388)	1,247.74	161.34
11 68 13 00-1314	EA	Stallion Only (GameTime 391)	1,247.74	161.34
11 68 13 00-1315	EA	Porpoise Only (GameTime 393)	1,247.74	161.34
11 68 13 00-1316	EA	Mini Bike Assembly (GameTime 396)	1,247.74	161.34
11 68 13 00-1317	EA	Critter Climber (GameTime 402)	3,646.05	537.61
11 68 13 00-1318	EA	Galvanized Steel Net-Pair (GameTime 421)	93.73	12.84
11 68 13 00-1319	EA	Super Goal With Steel Net (GameTime 423)	247.37	32.94
11 68 13 00-1320	EA	Double Rim Goal With Cloth Net (GameTime 454)	226.24	31.26
11 68 13 00-1321	EA	Cantilevered Post With 32" Extension (GameTime 459)	570.63	77.04
11 68 13 00-1322	EA	Cantilevered Post With 48" Extension (GameTime 460)	758.10	102.73
11 68 13 00-1323	EA	Cantilevered Post With 72" Extension (GameTime 479)	1,315.80	178.09
11 68 13 00-1324	EA	Bunker Hill 4-Way Climber (GameTime P554)	3,139.01	462.24
11 68 13 00-1325	EA	Curved Balance Beam (GameTime 564)	782.74	109.98
11 68 13 00-1326	EA	Satellite Climber Painted (GameTime P607)	3,693.25	539.85
11 68 13 00-1327	EA	Space Module (GameTime 618)	4,567.85	673.27
11 68 13 00-1328	EA	Dome Climber (GameTime 655)	1,546.69	227.77
11 68 13 00-1329	EA	Eagle's Perch (GameTime 657)	3,870.47	570.55
11 68 13 00-1330	EA	Super Goal With Nylon Net (GameTime 664)	203.68	27.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1331	EA	5' Portable Bike Rack (GameTime 705)	465.30	60.29
11 68 13 00-1332	EA	5' Permanent Bike Rack (GameTime 707)	465.30	60.29
11 68 13 00-1333	EA	10' Portable Bike Rack (GameTime 710)	762.04	98.82
11 68 13 00-1334	EA	10' Permanent Bike Rack (GameTime 711)	762.04	98.82
11 68 13 00-1335	EA	20' Portable Bike Rack (GameTime 720)	1,517.54	196.51
11 68 13 00-1336	EA	20' Permanent Bike Rack (GameTime 721)	1,517.54	196.51
11 68 13 00-1337	EA	30' Portable Bike Rack (GameTime 730)	2,273.04	293.65
11 68 13 00-1338	EA	30' Permanent Bike Rack (GameTime 731)	2,273.04	293.65
11 68 13 00-1339	EA	T-Frame Swing Painted (GameTime P831)	1,923.73	258.47
11 68 13 00-1340	EA	Steel Rectangular Backboard (GameTime 853)	955.44	128.40
11 68 13 00-1341	EA	Cast Aluminum Fan Shaped Backboard (GameTime 854)	1,167.10	157.99
11 68 13 00-1342	EA	Ultimate Front Mount Goal (GameTime 873)	526.93	71.46
11 68 13 00-1343	EA	Heavy-Duty Flex Goal (GameTime 874)	484.88	65.88
11 68 13 00-1344	EA	Scrambler Whirl With Mechanical Brake (GameTime 895)	3,078.59	407.53
11 68 13 00-1345	EA	Rainbow Climber Painted (GameTime P910)	1,353.18	199.86
11 68 13 00-1346	EA	Whirl With Hydraulic Brake (GameTime 919)	7,063.79	935.65
11 68 13 00-1347	EA	Giant Muscle Man Climber Painted (GameTime P954)	7,231.60	1,066.29
11 68 13 00-1348	EA	Muscle Man Painted (GameTime P9630	4,040.46	596.23
11 68 13 00-1349	EA	Deluxe Mountain Climber Painted (GameTime P988)	4,152.47	612.98
11 68 13 00-1350	EA	Super Seat-2 (GameTime 999)	195.51	25.68
11 68 13 00-1351	EA	Belt Seat (GameTime 1047)	145.10	18.42
11 68 13 00-1352	EA	Graduated Balance Beam (GameTime 1313)	946.70	133.98
11 68 13 00-1353	EA	2686 Enclosed Tot Seat , 3-1/2" Outside Diameter (GameTime 1470)	606.49	57.50
11 68 13 00-1354	EA	2955 Belt Seat 3-1/2" Outside Diameter (GameTime 1483)	508.31	48.57
11 68 13 00-1355	EA	Pogo Pole (GameTime 1525)	1,359.76	190.92
11 68 13 00-1356	EA	Ragin' Rotator (GameTime 1526)	1,447.92	203.77
11 68 13 00-1357	EA	Upper Body Trainer (GameTime 1981)	2,277.06	321.00
11 68 13 00-1358	EA	Saddle Seat (GameTime 2313)	225.37	29.59
11 68 13 00-1359	EA	Rainbow Arch (GameTime 3087)	1,802.17	253.45
11 68 13 00-1360	EA	Super Mini 1 (GameTime 3129)	13,352.61	1,697.14
11 68 13 00-1361	EA	Omnitri Net (GameTime 3137)	53,016.58	5,050.09
11 68 13 00-1362	EA	KidNetix Apollo (GameTime 3140)	35,285.85	3,361.33
11 68 13 00-1363	EA	KidNetix Eclipse (GameTime 3144)	81,823.37	7,793.97
11 68 13 00-1364	EA	High Stepper Regular (GameTime 3173)	28,846.20	3,666.14
11 68 13 00-1365	EA	High Stepper Medium (GameTime 3174)	42,815.95	5,442.54
11 68 13 00-1366	EA	Two Towers Regular (GameTime 3175)	52,825.61	6,715.95
11 68 13 00-1367	EA	Fourtress Courtyard (GameTime 3176)	122,242.80	15,541.05
11 68 13 00-1368	EA	High Stepper Mini (GameTime 3177)	24,543.86	3,119.60
11 68 13 00-1369	EA	High Stepper Large (GameTime 3178)	66,827.97	8,496.27
11 68 13 00-1370	EA	Trident Regular (GameTime 3179)	75,229.11	9,564.24
11 68 13 00-1371	EA	Fourtress (GameTime 3182)	99,036.16	12,590.05
11 68 13 00-1372	EA	Hexamid Regular (GameTime 3185)	36,759.66	4,673.81
11 68 13 00-1373	EA	2 To 5 Age Appropriate Sign (GameTime 3778)	660.96	101.05
11 68 13 00-1374	EA	5 To 12 Age Appropriate Sign (GameTime 3779)	713.48	104.40
11 68 13 00-1375	EA	Playcurbs With Color Option (GameTime 3781)	151.63	20.09
11 68 13 00-1376	EA	Playcurbs - Black (GameTime 3783)	124.69	16.74
11 68 13 00-1377	EA	Curved Playcurb Package (GameTime 3790)	193.77	25.68
11 68 13 00-1378	EA	Curved Playcurb Package - Black (GameTime 3791)	165.09	21.77
11 68 13 00-1379	EA	2' Playcurb Package (GameTime 3792)	101.22	12.84
11 68 13 00-1380	EA	2' Playcurb Package - Black (GameTime 3793)	94.28	12.84
11 68 13 00-1381	EA	Balance Beam (GameTime 4625)	392.79	53.03
11 68 13 00-1382	EA	Therapeutic Balance Beam (GameTime 4626)	979.63	132.31
11 68 13 00-1383	EA	Parallel Bar 30" (GameTime 4627)	588.49	78.71
11 68 13 00-1384	EA	Parallel Bar 36" (GameTime 4628)	599.77	80.95
11 68 13 00-1385	EA	Parallel Bar 40" (GameTime 4629)	611.04	82.62
11 68 13 00-1386	EA	Parallel Bar 46" (GameTime 4630)	669.29	89.88
11 68 13 00-1387	EA	Parallel Bar 50" (GameTime 4631)	682.22	91.56
11 68 13 00-1388	EA	Parallel Bar 54" (GameTime 4632)	691.84	93.79
11 68 13 00-1389	EA	Parallel Bar 58" (GameTime 4633)	703.12	95.47
11 68 13 00-1390	EA	Click Wheel Assembly (GameTime 4839)	146.37	13.95
11 68 13 00-1391	EA	Answer Wheel Assembly (GameTime 4840)	405.76	38.52
11 68 13 00-1392	EA	Maze Wheel Assembly (GameTime 4841)	163.10	25.68
11 68 13 00-1393	EA	Echo Chamber Assembly (GameTime 4842)	174.60	16.64
11 68 13 00-1394	EA	Flat Mirror Assembly (GameTime 4843)	222.99	34.61
11 68 13 00-1395	EA	Bubble Mirror Assembly (GameTime 4844)	254.19	24.18
11 68 13 00-1396	EA	Stained Glass Assembly - Red (GameTime 4845)	101.85	16.74
11 68 13 00-1397	EA	Stained Glass Assembly - Yellow (GameTime 4846)	101.85	16.74
11 68 13 00-1398	EA	Hypo Wheel Assembly (GameTime 4847)	234.78	22.33
11 68 13 00-1399	EA	8" Playcurb Package - Black (GameTime 4850)	70.81	8.93
11 68 13 00-1400	EA	8" Playcurb Package (GameTime 4851)	94.28	12.84
11 68 13 00-1401	EA	Playcurb ADApter-L-Black (GameTime 4852)	129.89	16.74
11 68 13 00-1402	EA	Playcurb ADApter-R-Black (GameTime 4853)	129.89	16.74
11 68 13 00-1403	EA	Accessible Playcurb - Black (GameTime 4854)	591.73	77.04
11 68 13 00-1404	EA	Accessible Playcurb (GameTime 4855)	824.59	106.63
11 68 13 00-1405	EA	Playcurb ADApter-L (GameTime 4856)	143.36	18.42
11 68 13 00-1406	EA	Playcurb ADApter-R (GameTime 4857)	143.36	18.42
11 68 13 00-1407	EA	Access Playcurb With ADApter - Black (GameTime 4858)	650.81	84.30
11 68 13 00-1408	EA	Access Playcurb With ADApter (GameTime 4859)	1,109.58	142.91
11 68 13 00-1409	EA	12" Playcurb Package Black (GameTime 4860)	69.08	8.93
11 68 13 00-1410	EA	12" Playcurb Package (GameTime 4861)	99.49	12.84
11 68 13 00-1411	EA	Inground Mount For Spring Rider (GameTime 4880)	173.77	21.77
11 68 13 00-1412	EA	Van Spring Rider (GameTime 4881)	1,246.00	161.34
11 68 13 00-1413	EA	Fire Truck Spring Rider (GameTime 4882)	1,246.00	161.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1414	EA	Dump Truck Spring Rider (GameTime 4883)	1,246.00	161.34
11 68 13 00-1415	EA	Coil Spring Mounted (GameTime 4888)	241.13	31.26
11 68 13 00-1416	EA	Rubber Spring Loose Fill (GameTime 4889)	465.30	60.29
11 68 13 00-1417	EA	" C" Spring Surface Mount (GameTime 4890)	224.18	29.59
11 68 13 00-1418	EA	Coil Spring Mounted Loose Fill (GameTime 4891)	340.61	44.10
11 68 13 00-1419	EA	Rubber Spring (GameTime 4892)	357.54	45.78
11 68 13 00-1420	EA	" C" Spring-Loose Fill (GameTime 4893)	327.14	42.42
11 68 13 00-1421	EA	Skyrun Zipline 100' (GameTime 5112)	28,849.03	2,747.79
11 68 13 00-1422	EA	Cantilver Swing Single (Belt Seats) (GameTime 5119)	12,155.27	1,157.85
11 68 13 00-1423	EA	Xscape Swing Aab 3 1/2" X 8' (GameTime 5148)	1,623.14	154.64
11 68 13 00-1424	EA	Express Swing With Todd Seat 3 1/2" x 8' (GameTime 5158)	3,176.42	302.58
11 68 13 00-1425	EA	Express Swing With Todd Seat 5" x 8' (GameTime 5159)	3,176.42	302.58
11 68 13 00-1426	EA	Expression Swing w Adaptive Seat 3 1/2 (GameTime 5165)	3,918.17	373.48
11 68 13 00-1427	EA	Expression Swing w Adaptive Seat 5" (GameTime 5166)	3,918.17	373.48
11 68 13 00-1428	EA	Dinosaur Saddlemate Jurassic Green (GameTime 6051)	1,623.96	209.35
11 68 13 00-1429	EA	Two Seater Fire Chief (GameTime 6054)	1,630.49	211.03
11 68 13 00-1430	EA	Race Car Saddlemate (GameTime 6056)	1,630.49	211.03
11 68 13 00-1431	EA	Police Car Saddlemate (GameTime 6057)	1,630.49	211.03
11 68 13 00-1432	EA	Two Seater Jeep (GameTime 6058)	1,630.49	211.03
11 68 13 00-1433	EA	Two Seater Taxi (GameTime 6059)	1,630.49	211.03
11 68 13 00-1434	EA	Dinosaur Saddlemate Purple (GameTime 6063)	1,630.49	211.03
11 68 13 00-1435	EA	Jumbo Flyer (GameTime 6064)	1,630.49	211.03
11 68 13 00-1436	EA	Dinosaur In Ground Mount (GameTime 6065)	615.61	78.71
11 68 13 00-1437	EA	Spring Pod (GameTime 6067)	3,746.33	552.12
11 68 13 00-1438	EA	Balance Pod (GameTime 6068)	2,122.89	313.74
11 68 13 00-1439	EA	Xcelerator (GameTime 6069)	3,050.53	449.41
11 68 13 00-1440	EA	Space Whirl (GameTime 6118)	8,808.41	1,167.33
11 68 13 00-1441	EA	Spring Mini Pod (GameTime 6140)	449.07	65.88
11 68 13 00-1442	EA	Mini Pod Toad Stool (GameTime 6141)	307.31	45.78
11 68 13 00-1443	EA	Whirlwind Seat Tilted (GameTime 6142)	871.59	128.40
11 68 13 00-1444	EA	Whirlwind Seat Straight (GameTime 6143)	822.82	121.15
11 68 13 00-1445	EA	Backhoe Digger (GameTime 6199)	1,208.13	170.83
11 68 13 00-1446	EA	Sky Runner (GameTime 6200)	2,896.94	427.63
11 68 13 00-1447	EA	Tilted Sky Runner (GameTime 6201)	4,573.68	675.50
11 68 13 00-1448	EA	Mini Sky Runner (GameTime 6202)	1,502.42	222.19
11 68 13 00-1449	EA	Shadow Play Sky Runner (GameTime 6237)	10,468.94	997.07
11 68 13 00-1450	EA	Shadow Play Flower (GameTime 6238)	8,661.74	825.12
11 68 13 00-1451	EA	Shadow Play Tri Runner (GameTime 6242)	26,876.12	2,560.21
11 68 13 00-1452	EA	Space Loop Climb (GameTime 6415)	3,530.52	521.42
11 68 13 00-1453	EA	Wum Climber (GameTime 6484)	6,968.99	1,027.77
11 68 13 00-1454	EA	Star Gazer (GameTime 6486)	3,792.04	559.94
11 68 13 00-1455	EA	2 Way Coaster Climber (GameTime 6487)	2,031.21	299.23
11 68 13 00-1456	EA	Space Arch (GameTime 6510)	1,271.88	187.02
11 68 13 00-1457	EA	Li'l Wum Climber (GameTime 6584)	4,218.77	621.91
11 68 13 00-1458	EA	4 Way Coaster Climber (GameTime 6587)	3,870.47	570.55
11 68 13 00-1459	EA	Choo-Choo Climber (GameTime 7000)	7,742.40	1,141.66
11 68 13 00-1460	EA	Caboose Climber (GameTime 7001)	8,026.56	1,183.53
11 68 13 00-1461	EA	Fire Engine Climber (GameTime 7002)	8,971.62	1,323.09
11 68 13 00-1462	EA	Spiral Game (GameTime 7035)	2,023.38	284.16
11 68 13 00-1463	EA	Solar System Game (GameTime 7036)	2,092.97	295.32
11 68 13 00-1464	EA	Multi-Directional TaLink Tube (GameTime 7037)	1,131.59	166.92
11 68 13 00-1465	EA	Telescope (GameTime 7038)	1,168.53	172.50
11 68 13 00-1466	EA	Kaleidoscope (GameTime 7039)	1,242.39	183.67
11 68 13 00-1467	EA	4' Chimney (GameTime 7040)	1,691.48	249.55
11 68 13 00-1468	EA	8' Chimney (GameTime 7041)	3,481.94	513.61
11 68 13 00-1469	EA	4' Vertical Wall (GameTime 7042)	1,198.03	176.41
11 68 13 00-1470	EA	8' Vertical Wall (GameTime 7043)	2,334.14	345.01
11 68 13 00-1471	EA	4' Corner (GameTime 7044)	793.32	117.23
11 68 13 00-1472	EA	8' Corner (GameTime 7045)	1,413.79	209.35
11 68 13 00-1473	EA	4' Transition Wall Left (GameTime 7046)	966.18	142.91
11 68 13 00-1474	EA	4' Transition Wall Right (GameTime 7047)	858.30	126.73
11 68 13 00-1475	EA	8' Transition Wall Left (GameTime 7048)	1,927.84	284.16
11 68 13 00-1476	EA	8' Transition Wall Right (GameTime 7049)	2,289.76	337.75
11 68 13 00-1477	EA	4' Volcano Climber (GameTime 7050)	4,284.04	631.40
11 68 13 00-1478	EA	6' Volcano Climber (GameTime 7051)	6,941.68	1,023.86
11 68 13 00-1479	EA	8' Volcano Climber (GameTime 7052)	9,432.34	1,391.21
11 68 13 00-1480	EA	4' Hi Ribbon Wall (GameTime 7053)	5,374.30	792.74
11 68 13 00-1481	EA	8' Hi Ribbon Wall (GameTime 7054)	10,271.51	1,515.70
11 68 13 00-1482	EA	4' " S" Wall Climber (GameTime 7055)	3,666.62	541.52
11 68 13 00-1483	EA	8' " S" Wall Climber (GameTime 7056)	8,110.21	1,196.36
11 68 13 00-1484	EA	8' Chimney Overhang (GameTime 7057)	1,787.54	264.06
11 68 13 00-1485	EA	8' Vertical Wall Overhang (GameTime 7058)	1,351.75	199.86
11 68 13 00-1486	EA	4' End Strut (GameTime 7061)	214.18	31.26
11 68 13 00-1487	EA	8' End Strut (GameTime 7062)	381.19	56.94
11 68 13 00-1488	EA	6' Cosmix Climber, (GameTime 7063)	1,882.00	276.90
11 68 13 00-1489	EA	8' Cosmix Climber, (GameTime 7064)	1,930.77	284.16
11 68 13 00-1490	EA	6' Cosmix Arch, (GameTime 7065)	3,275.08	482.35
11 68 13 00-1491	EA	8' Cosmix Arch, (GameTime 7066)	3,337.12	491.83
11 68 13 00-1492	EA	6' Cosmix Station, (GameTime 7067)	4,688.86	691.70
11 68 13 00-1493	EA	8' Cosmix Station (GameTime 7068)	4,730.19	697.27
11 68 13 00-1494	EA	Soft Step (GameTime 7099)	459.44	68.11
11 68 13 00-1495	EA	9 Position Loop Rack Flush Mount (GameTime F7700)	563.06	73.14
11 68 13 00-1496	EA	9 Position Loop Bike Rack (GameTime 7700)	472.24	60.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1497	EA	7 Position Loop Rack Flush Mount (GameTime F7702)	499.17	64.20
11 68 13 00-1498	EA	7 Position Loop Bike Rack (GameTime 7702)	411.43	53.03
11 68 13 00-1499	EA	5 Position Loop Rack Flush Mount (GameTime F7703)	394.48	51.36
11 68 13 00-1500	EA	5 Position Loop Bike Rack (GameTime 7703)	303.67	38.52
11 68 13 00-1501	EA	Plain Bollard Bike Rack Inground (GameTime 8350)	281.52	36.85
11 68 13 00-1502	EA	Double Bollard Bike Rack Inground (GameTime 8352)	357.54	45.78
11 68 13 00-1503	EA	Plain Bollard Bike Rack (GameTime 8354)	308.46	40.20
11 68 13 00-1504	EA	Double Bollard Bike Rack (GameTime 8356)	384.49	49.68
11 68 13 00-1505	EA	Enclosed Tot Seat (GameTime 8520)	286.73	36.85
11 68 13 00-1506	EA	Adaptive Swing With Rungs, 2-3/8" (GameTime 8530)	1,048.79	135.65
11 68 13 00-1507	EA	Adaptive Swing With Chain, 2-3/8" (GameTime 8531)	765.51	98.82
11 68 13 00-1508	EA	Adaptive Swing With Coated Chain, 2-3/8" (GameTime 8532)	891.94	115.56
11 68 13 00-1509	EA	Single Tower Challenge (GameTime 8533)	15,063.76	2,222.46
11 68 13 00-1510	EA	Adaptive Swing With Rungs, 3-1/2" (GameTime 8536)	1,048.79	135.65
11 68 13 00-1511	EA	Adaptive Swing With Chain, 3-1/2" (GameTime 8537)	765.51	98.82
11 68 13 00-1512	EA	Adaptive Swing With Coated Chain, 3-1/2" (GameTime 8538)	891.94	115.56
11 68 13 00-1513	EA	GT Stockcar (GameTime 8658)	2,188.76	282.48

11 68 13 00-1514 Playground Equipment (GameTime Models 8659 To 16809) *(11 68 13 00-1289)*

11 68 13 00-1515	EA	Safety Belt - GT Stockcar (GameTime 8659)	89.49	11.17
11 68 13 00-1516	EA	WaLinking The Plank (GameTime 8662)	1,695.42	238.38
11 68 13 00-1517	EA	Inchworm Climber (GameTime 8665)	1,955.31	275.23
11 68 13 00-1518	EA	90 Degree Caterpillar (GameTime 8666)	1,658.92	243.97
11 68 13 00-1519	EA	Swivel Meister (GameTime 8671)	1,557.02	229.45
11 68 13 00-1520	EA	Log Roll (GameTime 8674)	1,299.39	183.67
11 68 13 00-1521	EA	Side Stepper (GameTime 8683)	2,044.57	300.91
11 68 13 00-1522	EA	Side Stepper (GameTime 8687)	2,480.24	365.11
11 68 13 00-1523	EA	Super Seat-2 With Clevis (GameTime 8690)	212.44	27.35
11 68 13 00-1524	EA	Belt Seat With Clevis (GameTime 8691)	146.84	18.42
11 68 13 00-1525	EA	Enclosed Tot Seat With Clevis (GameTime 8693)	323.67	42.42
11 68 13 00-1526	EA	Double Tower (GameTime 8694)	27,917.39	4,117.78
11 68 13 00-1527	EA	Enclosed Tot Seat With Clevis, 2-3/8" (GameTime CC8695)	625.61	80.95
11 68 13 00-1528	EA	Enclosed Tot Seat With Clevis, 2-3/8" (GameTime 8695)	514.38	65.88
11 68 13 00-1529	EA	Enclosed Tot Seat With Clevis, 3-1/2" (GameTime CC8696)	640.81	82.62
11 68 13 00-1530	EA	Enclosed Tot Seat With Clevis, 3-1/2" (GameTime 8696)	529.59	68.11
11 68 13 00-1531	EA	Climber Base 5", CSC (GameTime 8755)	4,793.69	706.21
11 68 13 00-1532	EA	Climber Base 3 1/2", CSC (GameTime 8756)	4,793.69	706.21
11 68 13 00-1533	EA	Arch Climber, CSC (GameTime 8770)	1,134.51	166.92
11 68 13 00-1534	EA	Bubble Climber, CSC (GameTime 8771)	1,155.25	170.83
11 68 13 00-1535	EA	Chain Link Climber, CSC (GameTime 8772)	1,029.69	152.41
11 68 13 00-1536	EA	Chain Net Climber With Rails, CSC (GameTime 8773)	1,591.03	235.03
11 68 13 00-1537	EA	Chain Net Climber, CSC (GameTime 8774)	1,204.00	178.09
11 68 13 00-1538	EA	Clover Climber, CSC (GameTime 8775)	1,351.75	199.86
11 68 13 00-1539	EA	Corkscrew Climber, CSC (GameTime 8777)	1,093.19	161.34
11 68 13 00-1540	EA	Crazy Eight Climber, CSC (GameTime 8778)	1,242.39	183.67
11 68 13 00-1541	EA	Spiny Arch Climber, CSC (GameTime 8779)	1,283.72	189.25
11 68 13 00-1542	EA	Tree Climber, CSC (GameTime 8780)	1,071.01	157.99
11 68 13 00-1543	EA	Wavy Tree Climber, CSC (GameTime 8781)	1,220.22	179.76
11 68 13 00-1544	EA	Zipper Climber, CSC (GameTime 8782)	1,520.09	223.86
11 68 13 00-1545	EA	Climbing Pole, CSC (GameTime 8783)	672.16	98.82
11 68 13 00-1546	EA	Super Seat-2 With Clevis, 2-3/8" (GameTime 8904)	440.10	56.94
11 68 13 00-1547	EA	Super Seat-2 With Clevis, 2-3/8" (GameTime 8905)	453.57	58.62
11 68 13 00-1548	EA	Super Seat-2 With Clevis, 3-1/2" (GameTime 8906)	455.30	58.62
11 68 13 00-1549	EA	Super Seat-2 With Clevis, 3-1/2" (GameTime 8907)	468.78	60.29
11 68 13 00-1550	EA	Belt Seat With Clevis, 2-3/8" (GameTime CC8908)	483.98	62.53
11 68 13 00-1551	EA	Belt Seat With Clevis, 2-3/8" (GameTime 8908)	372.75	47.46
11 68 13 00-1552	EA	Belt Seat With Clevis, 2-3/8" (GameTime CC8909)	514.38	65.88
11 68 13 00-1553	EA	Belt Seat With Clevis, 2-3/8" (GameTime 8909)	386.23	49.68
11 68 13 00-1554	EA	Belt Seat With Clevis, 3-1/2" (GameTime CC8910)	499.17	64.20
11 68 13 00-1555	EA	Belt Seat With Clevis, 3-1/2" (GameTime 8910)	508.30	48.40
11 68 13 00-1556	EA	Belt Seat With Clevis, 3-1/2" (GameTime CC8911)	529.59	68.11
11 68 13 00-1557	EA	Belt Seat With Clevis, 3-1/2" (GameTime 8911)	401.42	51.36
11 68 13 00-1558	EA	Handi-Swing Seat, 2-3/8" (GameTime 8912)	1,650.92	212.70
11 68 13 00-1559	EA	Handi-Swing Seat, 3-1/2" (GameTime 8913)	1,666.10	214.94
11 68 13 00-1560	EA	Enclosed Tot Seat (GameTime CC8914)	656.02	84.30
11 68 13 00-1561	EA	Enclosed Tot Seat (GameTime 8914)	566.53	73.14
11 68 13 00-1562	EA	Super Seat-2 (GameTime 8917)	492.23	64.20
11 68 13 00-1563	EA	Belt Seat (GameTime CC8918)	536.11	69.79
11 68 13 00-1564	EA	Belt Seat (GameTime 8918)	424.90	55.27
11 68 13 00-1565	EA	Super Seat, 2-3/8" (GameTime CC8924)	551.32	71.46
11 68 13 00-1566	EA	Super Seat, 2-3/8" (GameTime CC8925)	581.73	75.36
11 68 13 00-1567	EA	Super Seat, 3-1/2" (GameTime CC8926)	566.53	73.14
11 68 13 00-1568	EA	Super Seat-2, 3-1/2" (GameTime CC8927)	596.93	77.04
11 68 13 00-1569	EA	Super Seat-2, 2-3/8" (GameTime CC8929)	600.41	77.04
11 68 13 00-1570	EA	Castle Rock (GameTime 8930)	23,775.22	3,506.48
11 68 13 00-1571	EA	Around The Bend (GameTime 8931)	18,960.78	2,796.36
11 68 13 00-1572	EA	Tot Rock (GameTime 8932)	9,181.23	1,354.36
11 68 13 00-1573	EA	Handi-Swing Seat, 2-3/8" (GameTime 9802)	1,603.53	207.12
11 68 13 00-1574	EA	Handi-Swing Seat, 3-1/2" (GameTime 9803)	1,618.77	209.35
11 68 13 00-1575	EA	8' Toss'N Score - Clowns (GameTime 9815)	1,454.88	196.51
11 68 13 00-1576	EA	8' Toss'N Score - Silhouette (GameTime 9816)	1,322.38	178.09
11 68 13 00-1577	EA	10' Toss'N Score - Clowns (GameTime 9817)	1,527.70	205.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1578	EA	10' Toss'N Score - Silhouette (GameTime 9818)	1,398.27	189.25
11 68 13 00-1579	EA	Sandbox, Elevated (GameTime 9835)	1,619.64	227.77
11 68 13 00-1580	EA	8' Toss'N Score With Numbers (GameTime 9847)	1,175.32	157.99
11 68 13 00-1581	EA	10' Toss'N Score With Numbers (GameTime 9849)	1,251.20	168.59
11 68 13 00-1582	EA	Backhoe Digger - Wheelchair Access (GameTime 9899)	1,208.13	170.83
11 68 13 00-1583	EA	Adaptive Swing Seat (GameTime 10178)	1,069.16	137.89
11 68 13 00-1584	EA	Single Place HandiSwing (GameTime 10390)	5,279.98	711.79
11 68 13 00-1585	EA	Single Add-A-Bay HandiSwing (GameTime 10391)	3,839.47	517.51
11 68 13 00-1586	EA	Single Post Swing (GameTime 10740)	1,343.31	181.44
11 68 13 00-1587	EA	Single Post Add-A-Bay (GameTime 10741)	940.87	126.73
11 68 13 00-1588	EA	Toad Stool Seat (GameTime 10768)	468.71	65.88
11 68 13 00-1589	EA	Tire Swing (GameTime 10777)	4,898.31	660.43
11 68 13 00-1590	EA	Tire Swing Add-A-Bay (GameTime 10778)	3,565.98	480.67
11 68 13 00-1591	EA	Two-Place Swing (GameTime 10847)	3,661.59	493.51
11 68 13 00-1592	EA	Two-Place Swing Add-A-Bay (GameTime 10848)	2,418.24	326.59
11 68 13 00-1593	EA	Stepping Stones - 3 Step (GameTime 10967)	1,319.20	194.28
11 68 13 00-1594	EA	Stepping Stones - 5 Step (GameTime 10968)	2,189.32	323.24
11 68 13 00-1595	EA	3-1/2" Upright Assembly, Aluminum 8' (GameTime 12023)	396.87	37.96
11 68 13 00-1596	EA	3-1/2" Upright Assembly, Aluminum 9' (GameTime 12024)	440.96	41.87
11 68 13 00-1597	EA	Instructional Sign Frame (GameTime 13100)	627.24	84.30
11 68 13 00-1598	EA	Welcome Sign (GameTime 13101)	625.60	84.30
11 68 13 00-1599	EA	Heart Check Sign (GameTime 13102)	625.60	84.30
11 68 13 00-1600	EA	Exercise Series Sign 1 (GameTime 13103)	625.60	84.30
11 68 13 00-1601	EA	Exercise Series Sign 2 (GameTime 13104)	625.60	84.30
11 68 13 00-1602	EA	Exercise Series Sign 3 (GameTime 13105)	625.60	84.30
11 68 13 00-1603	EA	Exercise Series Sign 4 (GameTime 13106)	625.60	84.30
11 68 13 00-1604	EA	Stretchguide Sign (GameTime 13107)	625.60	84.30
11 68 13 00-1605	EA	Joint Use Series Sign 1 (GameTime 13108)	625.60	84.30
11 68 13 00-1606	EA	Joint Use Series Sign 2 (GameTime 13109)	625.60	84.30
11 68 13 00-1607	EA	Joint Use Series Sign 3 (GameTime 13110)	625.60	84.30
11 68 13 00-1608	EA	Joint Use Series Sign 4 (GameTime 13111)	625.60	84.30
11 68 13 00-1609	EA	Joint-Use Exercise Sign (GameTime 13112)	625.60	84.30
11 68 13 00-1610	EA	Welcome Sign (GameTime 13113)	625.60	84.30
11 68 13 00-1611	EA	Achilles Stretch Sign (GameTime 13114)	396.08	53.03
11 68 13 00-1612	EA	Hamstring Stretch Sign (GameTime 13115)	396.08	53.03
11 68 13 00-1613	EA	Sit And Reach Sign (GameTime 13116)	396.08	53.03
11 68 13 00-1614	EA	Knee Lift Sign (GameTime 13117)	396.08	53.03
11 68 13 00-1615	EA	Log Hop Sign (GameTime 13118)	396.08	53.03
11 68 13 00-1616	EA	Half Knee Bends Sign (GameTime 13119)	396.08	53.03
11 68 13 00-1617	EA	Body Curl Sign (GameTime 13120)	396.08	53.03
11 68 13 00-1618	EA	Chin Up Sign (GameTime 13121)	396.08	53.03
11 68 13 00-1619	EA	Bench Curl Sign (GameTime 13122)	396.08	53.03
11 68 13 00-1620	EA	Sit-Up Sign (GameTime 13123)	396.08	53.03
11 68 13 00-1621	EA	Vault Bar Sign (GameTime 13124)	396.08	53.03
11 68 13 00-1622	EA	Push-Up Sign (GameTime 13125)	396.08	53.03
11 68 13 00-1623	EA	Bench Dip Sign (GameTime 13126)	396.08	53.03
11 68 13 00-1624	EA	Bench Leg Raise Sign (GameTime 13127)	396.08	53.03
11 68 13 00-1625	EA	Leg Stretch Sign (GameTime 13128)	396.08	53.03
11 68 13 00-1626	EA	Finish Sign (GameTime 13129)	396.08	53.03
11 68 13 00-1627	EA	Achilles Stretch Station (GameTime 13132)	342.75	45.78
11 68 13 00-1628	EA	Sit And Reach Station (GameTime 13133)	785.58	106.63
11 68 13 00-1629	EA	Leg Stretch Station (GameTime 13134)	501.09	68.11
11 68 13 00-1630	EA	Stretch Bar Station (GameTime 13135)	711.34	95.47
11 68 13 00-1631	EA	Vault Bar Station (GameTime 13136)	924.66	125.06
11 68 13 00-1632	EA	Sit-Up Station (GameTime 13137)	1,168.74	157.99
11 68 13 00-1633	EA	Push-Up Station (GameTime 13138)	745.18	101.05
11 68 13 00-1634	EA	Chin Up Station (GameTime 13139)	1,281.97	172.50
11 68 13 00-1635	EA	Knee-Lift Station (GameTime 13140)	436.49	58.62
11 68 13 00-1636	EA	Body-Curl Station (GameTime 13141)	1,513.14	203.77
11 68 13 00-1637	EA	Kidcourse Log-Hop (GameTime 13142)	1,126.70	152.41
11 68 13 00-1638	EA	Bench Dip Station (GameTime 13143)	1,404.84	189.25
11 68 13 00-1639	EA	Bench Curl Station (GameTime 13144)	1,197.87	161.34
11 68 13 00-1640	EA	Sit And Reach Station (GameTime 13147)	1,188.23	159.67
11 68 13 00-1641	EA	Shoulder Stretch Station (GameTime 13148)	417.00	56.94
11 68 13 00-1642	EA	Sit-Up Station (GameTime 13149)	1,378.99	185.35
11 68 13 00-1643	EA	Joint Use Chin Up Station (GameTime 13150)	1,199.51	161.34
11 68 13 00-1644	EA	Horizontal Chin Up Station (GameTime 13153)	1,834.75	247.88
11 68 13 00-1645	EA	Back Stretch Station (GameTime 13154)	1,252.84	168.59
11 68 13 00-1646	EA	Hamstring Stretch Station (GameTime 13155)	459.04	62.53
11 68 13 00-1647	EA	Half Knee Bends Station (GameTime 13156)	638.52	85.97
11 68 13 00-1648	EA	Kidcourse Sit-Up Bench (GameTime 13157)	1,364.42	183.67
11 68 13 00-1649	EA	Bench Leg Raise Station (GameTime 13158)	1,918.85	258.47
11 68 13 00-1650	EA	Fitcircuit Sign Frames (GameTime 13161)	378.22	51.36
11 68 13 00-1651	EA	Sign Back (GameTime 13162)	426.86	56.94
11 68 13 00-1652	EA	Parcourse Fit Center (GameTime 13200)	19,073.89	2,570.82
11 68 13 00-1653	EA	Parcourse Introduction Sign (GameTime 13205)	1,985.10	267.97
11 68 13 00-1654	EA	Parcourse Fitquad-1 (GameTime 13206)	4,397.04	592.88
11 68 13 00-1655	EA	Parcourse Fitquad-2 (GameTime 13207)	4,946.77	666.01
11 68 13 00-1656	EA	Parcourse Fitquad-3 (GameTime 13208)	5,118.03	690.02
11 68 13 00-1657	EA	Parcourse Fitquad-4 (GameTime 13209)	5,617.47	758.13
11 68 13 00-1658	EA	Stretch Guide (GameTime 13214)	4,481.15	603.49
11 68 13 00-1659	EA	Parcourse Joint-Use Fit Center (GameTime 13215)	26,847.99	3,618.69
11 68 13 00-1660	EA	Parcourse Fitquad-1 (GameTime 13218)	4,754.37	640.33

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11 68 13 00-1661	EA	Parcourse Fitquad-2 (GameTime 13219)	6,644.09	895.46
11 68 13 00-1662	EA	Parcourse Fitquad-3 (GameTime 13220)	6,356.30	856.94
11 68 13 00-1663	EA	Parcourse Fitquad-4 (GameTime 13221)	6,956.06	937.89
11 68 13 00-1664	EA	Joint-Use Stretch Guide (GameTime 13224)	4,814.04	649.82
11 68 13 00-1665	EA	Parcourse Fit Circuit (GameTime 13225)	23,745.82	3,200.54
11 68 13 00-1666	EA	Sway Steps (Youth) (GameTime 13612)	25,166.39	2,397.20
11 68 13 00-1667	EA	Floating Boards (Youth) (GameTime 13613)	21,483.09	2,046.61
11 68 13 00-1668	EA	Traverse Wall (Youth) (GameTime 13617)	15,613.89	1,487.22
11 68 13 00-1669	EA	Ramp Link 6" Rise (GameTime 16500)	3,499.77	535.94
11 68 13 00-1670	EA	36" Square Deck ADA (GameTime 16501)	813.15	125.06
11 68 13 00-1671	EA	Rectangle Deck ADA (GameTime 16502)	1,015.05	155.76
11 68 13 00-1672	EA	Crows Nest With Access Steering Wheel (GameTime 16504)	1,684.62	258.47
11 68 13 00-1673	EA	Ramp Attachment 6" Rise (GameTime 16507)	3,858.01	590.65
11 68 13 00-1674	EA	45" Square Deck ADA (GameTime 16508)	1,216.95	187.02
11 68 13 00-1675	EA	Ramp Link 12" Rise (GameTime 16512)	6,898.71	1,056.80
11 68 13 00-1676	EA	Ramp Attachment 12" Rise (GameTime 16513)	7,198.65	1,102.58
11 68 13 00-1677	EA	45-1/2" Triangle Deck (GameTime 16515)	750.66	115.56
11 68 13 00-1678	EA	ADA Crow' S Nest (GameTime 16522)	1,495.49	229.45
11 68 13 00-1679	EA	ADA Crows Nest With Gizmo (GameTime 16523)	1,710.16	262.38
11 68 13 00-1680	EA	Telescope Crow' S Nest (GameTime 16524)	2,801.87	429.30
11 68 13 00-1681	EA	Kaleidoscope Crow' S Nest (GameTime 16525)	2,574.42	394.70
11 68 13 00-1682	EA	ADA 49" Square Punch Steel Deck (GameTime 16700)	1,280.76	199.86
11 68 13 00-1683	EA	ADA 49" Tri Punch Steel Deck (GameTime 16701)	737.33	115.56
11 68 13 00-1684	EA	1'-0" Berm - 1'-6" Deck Ramp (GameTime 16706)	4,013.84	627.49
11 68 13 00-1685	EA	Grade - 1'-0"Deck Ramp (GameTime 16712)	5,787.95	904.39
11 68 13 00-1686	EA	98" ADA Ramp Link (GameTime 16716)	4,341.39	678.85
11 68 13 00-1687	EA	147" ADA Ramp Link (GameTime 16717)	7,691.66	1,201.95
11 68 13 00-1688	EA	98" Flat Ramp ADA (GameTime 16718)	4,073.73	636.98
11 68 13 00-1689	EA	147" Flat Ramp ADA (GameTime 16719)	7,103.57	1,110.39
11 68 13 00-1690	EA	Crow' S Nest Platform ADA (GameTime 16720)	1,502.40	235.03
11 68 13 00-1691	EA	Crow' S Nest With Steering Wheel ADA (GameTime 16721)	1,715.57	267.97
11 68 13 00-1692	EA	ADA Crows Nest With Gizmo (GameTime 16723)	1,733.86	271.32
11 68 13 00-1693	EA	Crow' S Nest With Accessories Wheel (GameTime 16726)	1,993.05	312.07
11 68 13 00-1694	EA	Veranda ADA (GameTime 16727)	1,666.85	260.71
11 68 13 00-1695	EA	Bigfoot Slide ADA (GameTime 16728)	6,670.10	1,042.29
11 68 13 00-1696	EA	Sky Bridge - ADA (GameTime 16730)	8,023.61	1,254.99
11 68 13 00-1697	EA	90 Degree Curved Bridge (GameTime 16749)	6,220.06	972.50
11 68 13 00-1698	EA	S Curved Bridge (GameTime 16750)	11,793.47	1,843.96
11 68 13 00-1699	EA	5'-0" Treescape With Deck (GameTime 16751)	7,346.17	1,148.91
11 68 13 00-1700	EA	6'-0" Treescape With Deck (GameTime 16753)	7,592.87	1,187.44
11 68 13 00-1701	EA	7'-0" Treescape With Deck (GameTime 16755)	7,839.53	1,225.95
11 68 13 00-1702	EA	8'-0" Treescape With Deck (GameTime 16757)	8,086.22	1,264.48
11 68 13 00-1703	EA	1'-0" Pentagonal Deck (GameTime 16766)	5,000.54	781.58
11 68 13 00-1704	EA	2'-0" Pentagonal Deck (GameTime 16768)	5,046.57	788.83
11 68 13 00-1705	EA	3'-0" Pentagonal Deck (GameTime 16770)	5,092.59	796.65
11 68 13 00-1706	EA	4'-0" Pentagonal Deck (GameTime 16772)	5,138.61	803.91
11 68 13 00-1707	EA	5'-0" Pentagonal Deck (GameTime 16774)	5,184.63	811.16
11 68 13 00-1708	EA	6'-0" Pentagonal Deck (GameTime 16776)	5,230.65	818.42
11 68 13 00-1709	EA	7'-0" Pentagonal Deck (GameTime 16778)	5,273.62	824.00
11 68 13 00-1710	EA	8'-0" Pentagonal Deck (GameTime 16780)	5,319.64	831.26
11 68 13 00-1711	EA	Telescope Crow' S Nest (GameTime 16801)	2,662.03	416.47
11 68 13 00-1712	EA	Kaleidoscope Crow' S Nest (GameTime 16802)	2,608.89	407.53
11 68 13 00-1713	EA	ADA Wide Triangular Platform (GameTime 16803)	1,099.73	172.50
11 68 13 00-1714	EA	ADA Wide Ramp 98" Link (GameTime 16804)	5,812.99	908.30
11 68 13 00-1715	EA	ADA Wide Ramp 147" Link (GameTime 16805)	8,603.25	1,344.86
11 68 13 00-1716	EA	ADA 6" Stepped Platform (GameTime 16806)	1,512.22	236.71
11 68 13 00-1717	EA	ADA Wide Ramp (GameTime 16808)	6,371.99	996.51
11 68 13 00-1718	EA	ADA Wide Ramp (GameTime 16809)	9,201.15	1,438.65

11 68 13 00-1719 Playground Equipment (GameTime Models 16811 To 80110) *(11 68 13 00-1289)*

11 68 13 00-1720	EA	Switchback Link 98" 16811	231.45	36.85
11 68 13 00-1721	EA	Switchback Link 147" (GameTime 16812)	302.51	47.46
11 68 13 00-1722	EA	ADA 12" Stepped Platform (GameTime 16813)	1,722.69	269.64
11 68 13 00-1723	EA	Adaptive Swing Safety Belt (GameTime 17247)	193.77	25.68
11 68 13 00-1724	EA	Adapt Swing Seat (GameTime 17255)	765.51	98.82
11 68 13 00-1725	EA	Adapt Swing Seat (GameTime 17256)	918.87	119.47
11 68 13 00-1726	EA	36" Sq Punched Deck P/T 1.3125 (GameTime 18200)	1,144.75	108.86
11 68 13 00-1727	EA	36" Tri Punched Deck P/T (GameTime 18201)	747.88	71.46
11 68 13 00-1728	EA	Upper Body Trainer F/S (GameTime 18282)	4,860.16	462.80
11 68 13 00-1729	EA	Entry Way (GameTime 19001)	515.05	49.13
11 68 13 00-1730	EA	Single Gizmo Panel (GameTime 19002)	783.15	74.81
11 68 13 00-1731	EA	Decorative Panel (GameTime 19003)	783.15	74.81
11 68 13 00-1732	EA	Transfer Platform With Barrier (3') (GameTime 19013)	4,044.52	385.20
11 68 13 00-1733	EA	Clover Leaf (2' And 2'-6") (GameTime 19105)	2,081.35	198.18
11 68 13 00-1734	EA	Wave Zip Slide (2'-6" And 3') (GameTime 19122)	1,998.45	190.37
11 68 13 00-1735	EA	Toddler 2 (GameTime 20002)	8,277.09	1,136.07
11 68 13 00-1736	EA	Toddler 5 (GameTime 20005)	10,143.92	1,391.21
11 68 13 00-1737	EA	Toddler 6 (GameTime 20006)	13,410.32	1,838.93
11 68 13 00-1738	EA	Toddler 7 (GameTime 20007)	16,492.29	2,262.66
11 68 13 00-1739	EA	Toddler 9 (GameTime 20010)	12,260.09	1,680.94
11 68 13 00-1740	EA	Crawler 2 (GameTime 20017)	6,847.29	939.56
11 68 13 00-1741	EA	Crawler 3 (GameTime 20018)	8,377.26	1,148.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1742	EA	WaLinker 2 (GameTime 20019)	16,567.09	2,271.59
11 68 13 00-1743	EA	WaLinker 3 (GameTime 20020)	18,854.82	2,585.33
11 68 13 00-1744	EA	WaLinker 4 (GameTime 20021)	20,680.08	2,837.12
11 68 13 00-1745	EA	Roof Package (GameTime 22005)	1,142.34	155.76
11 68 13 00-1746	EA	In Ground Package For (GameTime 20002 23002)	961.15	132.31
11 68 13 00-1747	EA	In Ground Package For (GameTime 20005 23005)	1,110.51	152.41
11 68 13 00-1748	EA	In Ground Package For (GameTime 20006 23006)	1,577.57	216.61
11 68 13 00-1749	EA	In Ground Package For (GameTime 20007 23007)	1,944.63	266.30
11 68 13 00-1750	EA	In Ground Package For (GameTime 20010 23010)	1,285.28	176.41
11 68 13 00-1751	EA	In Ground Package For (GameTime 20017 23011)	799.07	109.98
11 68 13 00-1752	EA	Toddler 2 - Surface Mount Package (GameTime 23012)	548.09	75.36
11 68 13 00-1753	EA	Toddler 7 - Surface Mount Package (GameTime 23013)	1,042.17	142.91
11 68 13 00-1754	EA	Toddler 9 - Surface Mount Package (GameTime 23014)	672.06	91.56
11 68 13 00-1755	EA	Toddler 5 - Surface Mount Package (GameTime 23015)	619.64	84.30
11 68 13 00-1756	EA	Toddler 6 - Surface Mount Package (GameTime 23016)	800.68	109.98
11 68 13 00-1757	EA	Crawler 2 - Surface Mount Package (GameTime 23017)	384.43	53.03
11 68 13 00-1758	EA	Crawler 3 - Surface Mount Package (GameTime 23018)	430.57	58.62
11 68 13 00-1759	EA	WaLinker 2 - Surface Mount Package (GameTime 23019)	1,207.46	165.24
11 68 13 00-1760	EA	WaLinker 3 - Surface Mount Package (GameTime 23020)	1,092.98	150.73
11 68 13 00-1761	EA	WaLinker 4 - Surface Mount Package (GameTime 23021)	1,382.23	189.25
11 68 13 00-1762	EA	In Ground Package For 20018 (GameTime 23027)	938.96	128.40
11 68 13 00-1763	EA	In Ground Package For (GameTime 20019 23028)	1,792.05	245.64
11 68 13 00-1764	EA	In Ground Package For (GameTime 20020 23029)	1,904.92	260.71
11 68 13 00-1765	EA	In Ground Package For (GameTime 20021 23030)	2,184.52	299.23
11 68 13 00-1766	EA	16" Sand And Water Table (GameTime 24000)	2,282.91	313.74
11 68 13 00-1767	EA	24" Sand And Water Table (GameTime 24001)	2,437.09	333.85
11 68 13 00-1768	EA	32" Sand And Water Table (GameTime 24002)	2,502.22	343.33
11 68 13 00-1769	EA	Triple Sand And Water Table (GameTime 24003)	7,095.21	972.50
11 68 13 00-1770	EA	Double Sand And Water Table (16", 24") (GameTime 24004)	4,620.01	633.08
11 68 13 00-1771	EA	Double Sand And Water Table (24", 32") (GameTime 24005)	4,851.85	666.01
11 68 13 00-1772	EA	Roof For 16" Sand And Water Table (GameTime 24006)	1,216.94	166.92
11 68 13 00-1773	EA	Cover - Single Sand And Water Table (GameTime 24011)	419.48	56.94
11 68 13 00-1774	EA	Single Cover Stacked Sand And Water Table (GameTime 24013)	482.98	65.88
11 68 13 00-1775	EA	Kidcurb (GameTime 24020)	102.96	12.84
11 68 13 00-1776	EA	Kidcurb - Black (GameTime 24021)	89.49	11.17
11 68 13 00-1777	EA	Bubble Climbing Wall Attachment (GameTime 26000)	2,093.26	308.17
11 68 13 00-1778	EA	DNA Climbing Wall Attachment (GameTime 26001)	1,335.40	196.51
11 68 13 00-1779	EA	Laced Climbing Wall Attachment (GameTime 26002)	1,452.19	214.94
11 68 13 00-1780	EA	Ladder Wall Attachment (GameTime 26003)	1,169.99	172.50
11 68 13 00-1781	EA	Oval Climbing Wall Attachment (GameTime 26004)	2,142.02	315.42
11 68 13 00-1782	EA	Rock Climbing Wall Attachment (GameTime 26005)	2,715.18	400.27
11 68 13 00-1783	EA	Sail Climbing Wall Attachment (GameTime 26006)	1,459.50	214.94
11 68 13 00-1784	EA	Social Discs Attachment (GameTime 26007)	1,533.37	225.54
11 68 13 00-1785	EA	Symmetric Climbing Wall Attachment (GameTime 26008)	1,220.22	179.76
11 68 13 00-1786	EA	Trapeze Dual Circuit (GameTime 26010)	3,400.63	500.76
11 68 13 00-1787	EA	Trapeze Quad Circuit (GameTime 26011)	3,852.75	568.88
11 68 13 00-1788	EA	Single Link Cross Beam (GameTime 26012)	301.33	44.10
11 68 13 00-1789	EA	Double Link Cross Beam (GameTime 26013)	364.84	53.03
11 68 13 00-1790	EA	PS Plus Single Link Cross Beam (GameTime 26015)	301.33	44.10
11 68 13 00-1791	EA	Upright 2-Way Link (GameTime 26016)	1,316.28	194.28
11 68 13 00-1792	EA	Upright 3-Way Link (GameTime 26017)	1,901.26	280.80
11 68 13 00-1793	EA	Arched Chain Net Link (GameTime 26022)	1,181.82	174.18
11 68 13 00-1794	EA	Hanging Pod Link (GameTime 26023)	1,777.17	262.38
11 68 13 00-1795	EA	Rock Wall Link (GameTime 26024)	3,060.90	451.64
11 68 13 00-1796	EA	Arched Loop Ladder Overhead (GameTime 26027)	743.10	109.98
11 68 13 00-1797	EA	Inverted Loop Ladder Overhead (GameTime 26028)	731.28	108.30
11 68 13 00-1798	EA	Trapeze Ring Overhead (GameTime 26029)	1,294.08	190.92
11 68 13 00-1799	EA	Arched Trapeze Ring Overhead (GameTime 26030)	1,294.08	190.92
11 68 13 00-1800	EA	Inverted Trapeze Ring Overhead (GameTime 26031)	1,294.08	190.92
11 68 13 00-1801	EA	Sky Wheels (GameTime 26032)	2,077.04	306.49
11 68 13 00-1802	EA	Stretched Loop Ladder (GameTime 26033)	731.28	108.30
11 68 13 00-1803	EA	Swing (GameTime 26034)	2,227.55	300.91
11 68 13 00-1804	EA	Swing Add-A-Bay (GameTime 26035)	1,302.89	176.41
11 68 13 00-1805	EA	Xcelerator (GameTime 26037)	3,267.77	482.35
11 68 13 00-1806	EA	Track Ride (GameTime 26038)	4,105.33	605.72
11 68 13 00-1807	EA	Swivel Meister (GameTime 26040)	1,607.25	236.71
11 68 13 00-1808	EA	Single Sky Wheel (GameTime 26041)	2,384.35	352.27
11 68 13 00-1809	EA	Twister (GameTime 26042)	3,332.74	491.83
11 68 13 00-1810	EA	Suspended Pod (GameTime 26043)	1,551.17	229.45
11 68 13 00-1811	EA	Tri Ladder (GameTime 26044)	561.35	82.62
11 68 13 00-1812	EA	Hang Out Circuit (GameTime 26045)	4,068.39	600.14
11 68 13 00-1813	EA	Hang Out Wall (GameTime 26046)	1,161.09	170.83
11 68 13 00-1814	EA	Triton (GameTime 26049)	14,581.78	1,388.97
11 68 13 00-1815	EA	Triton Support Rung (With Tab) (GameTime 26083)	530.92	50.81
11 68 13 00-1816	EA	Triangular Shroud (GameTime 26094)	100.53	9.50
11 68 13 00-1817	EA	Single With Step (GameTime 26142)	1,993.16	189.81
11 68 13 00-1818	EA	Xscape Swing 3 1/2" X 8' (GameTime 26168)	2,861.33	272.43
11 68 13 00-1819	EA	Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26168)	1,686.18	160.78
11 68 13 00-1820	EA	Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26169)	1,686.18	160.78
11 68 13 00-1821	EA	X-Generator (GameTime 27000)	35,963.92	5,305.21
11 68 13 00-1822	EA	Xcapade (GameTime 27001)	34,608.10	5,104.80
11 68 13 00-1823	EA	Xciter (GameTime 27002)	40,074.14	5,910.38
11 68 13 00-1824	EA	Xercise (GameTime 27003)	51,426.75	7,585.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1825	EA	Xponential (GameTime 27004)	64,173.07	9,464.86
11 68 13 00-1826	EA	Xplosion (GameTime 27005)	18,669.80	2,754.50
11 68 13 00-1827	EA	X-Linear (GameTime 27006)	19,371.44	2,857.21
11 68 13 00-1828	EA	X Marks The Spot (GameTime 27007)	22,029.11	3,249.68
11 68 13 00-1829	EA	Xpression (GameTime 27008)	39,041.51	5,758.53
11 68 13 00-1830	EA	6' Preschool Picnic Table (GameTime 28001)	1,502.34	194.28
11 68 13 00-1831	EA	6' Bench With Without Back Portable (GameTime 28002)	563.06	73.14
11 68 13 00-1832	EA	6' Bench With Without Back Inground (GameTime 28003)	522.65	68.11
11 68 13 00-1833	EA	6' Bench With Without Back (GameTime 28004)	581.73	75.36
11 68 13 00-1834	EA	8' Bench With Without Back Portable (GameTime 28005)	633.87	82.62
11 68 13 00-1835	EA	8' Bench With Without Back Inground (GameTime 28006)	593.46	77.04
11 68 13 00-1836	EA	8' Bench With Without Back (GameTime 28007)	652.54	84.30
11 68 13 00-1837	EA	6' Bench With Back Portable 28008	895.40	115.56
11 68 13 00-1838	EA	6' Bench With Back Inground (GameTime 28009)	854.99	109.98
11 68 13 00-1839	EA	6' Bench With Back (GameTime 28010)	914.07	117.23
11 68 13 00-1840	EA	8' Bench With Back Portable (GameTime 28011)	1,080.91	139.56
11 68 13 00-1841	EA	8' Bench With Back Inground (GameTime 28012)	1,040.50	133.98
11 68 13 00-1842	EA	8' Bench With Back (GameTime 28013)	1,102.64	142.91
11 68 13 00-1843	EA	6' Picnic Table (GameTime 28014)	1,703.04	219.96
11 68 13 00-1844	EA	8' Picnic Table (GameTime 28015)	2,058.86	266.30
11 68 13 00-1845	EA	8' ADA Picnic Table (GameTime 28016)	1,834.68	236.71
11 68 13 00-1846	EA	46" Food Court Table (GameTime 28017)	2,129.68	275.23
11 68 13 00-1847	EA	ADA Table With 1-5/8" Diameter Pipe (GameTime 28018)	1,976.31	255.12
11 68 13 00-1848	EA	Food Court Table Inground (GameTime 28019)	2,424.67	313.74
11 68 13 00-1849	EA	ADA Food Court Table (GameTime 28020)	2,057.13	266.30
11 68 13 00-1850	EA	Food Court Table (GameTime 28021)	2,485.50	321.00
11 68 13 00-1851	EA	ADA Food Court Table (GameTime 28022)	2,117.95	273.55
11 68 13 00-1852	EA	Punched Receptable (GameTime 28023)	699.89	89.88
11 68 13 00-1853	EA	Receptable With Dome Top Inground (GameTime 28024)	1,003.15	130.08
11 68 13 00-1854	EA	Receptable With Dome Top (GameTime 28025)	942.75	121.15
11 68 13 00-1855	EA	Receptable With Flat Top Inground (GameTime 28026)	935.81	121.15
11 68 13 00-1856	EA	Receptable With Flat Top (GameTime 28027)	878.46	113.89
11 68 13 00-1857	EA	Sway Bench (GameTime 28028)	2,033.65	262.38
11 68 13 00-1858	EA	6' Picnic Table (GameTime 28030)	1,553.16	199.86
11 68 13 00-1859	EA	8' Picnic Table (GameTime 28037)	1,912.03	247.88
11 68 13 00-1860	EA	Elephant Bench Inground (GameTime 28042)	1,605.28	207.12
11 68 13 00-1861	EA	Elephant Bench (GameTime 28043)	1,605.28	207.12
11 68 13 00-1862	EA	Gorilla Bench Inground (GameTime 28044)	1,605.28	207.12
11 68 13 00-1863	EA	Gorilla Bench Surface Mount (GameTime 28045)	1,605.28	207.12
11 68 13 00-1864	EA	49" Square Punched Steel Deck (GameTime 80000)	1,820.30	173.40
11 68 13 00-1865	EA	49" Tri Punched Steel Deck (GameTime 80001)	1,077.70	102.66
11 68 13 00-1866	EA	3' Upright Assembly (GameTime G80010)	136.71	21.77
11 68 13 00-1867	EA	3' Upright Assembly (GameTime 80010)	151.93	24.00
11 68 13 00-1868	EA	4' Upright Assembly (GameTime G80011)	167.16	25.68
11 68 13 00-1869	EA	4' Upright Assembly (GameTime 80011)	190.84	29.59
11 68 13 00-1870	EA	5' Upright Assembly (GameTime G80012)	200.66	31.26
11 68 13 00-1871	EA	5' Upright Assembly (GameTime 80012)	232.80	36.85
11 68 13 00-1872	EA	6' Upright Assembly (GameTime G80013)	234.15	36.85
11 68 13 00-1873	EA	6' Upright Assembly (GameTime 80013)	271.71	42.42
11 68 13 00-1874	EA	7' Upright Assembly (GameTime G80014)	267.66	42.42
11 68 13 00-1875	EA	7' Upright Assembly (GameTime 80014)	313.68	49.68
11 68 13 00-1876	EA	8' Upright Assembly (GameTime G80015)	301.16	47.46
11 68 13 00-1877	EA	8' Upright Assembly (GameTime 80015)	352.59	55.27
11 68 13 00-1878	EA	9' Upright Assembly (GameTime G80016)	331.60	51.36
11 68 13 00-1879	EA	9' Upright Assembly (GameTime 80016)	391.49	60.29
11 68 13 00-1880	EA	10' Upright Assembly (GameTime G80017)	365.12	56.94
11 68 13 00-1881	EA	10' Upright Assembly (GameTime H80017)	508.58	78.71
11 68 13 00-1882	EA	10' Upright Assembly (GameTime 80017)	433.46	68.11
11 68 13 00-1883	EA	11' Upright Assembly (GameTime G80018)	398.61	62.53
11 68 13 00-1884	EA	11' Upright Assembly (GameTime H80018)	555.95	85.97
11 68 13 00-1885	EA	11' Upright Assembly (GameTime 80018)	472.37	73.14
11 68 13 00-1886	EA	12' Upright Assembly (GameTime G80019)	763.72	72.74
11 68 13 00-1887	EA	12' Upright Assembly (GameTime H80019)	606.38	95.47
11 68 13 00-1888	EA	12' Upright Assembly (GameTime 80019)	514.34	80.95
11 68 13 00-1889	EA	13' Upright Assembly (GameTime G80020)	465.62	73.14
11 68 13 00-1890	EA	13' Upright Assembly (GameTime H80020)	653.75	102.73
11 68 13 00-1891	EA	13' Upright Assembly (GameTime 80020)	553.25	85.97
11 68 13 00-1892	EA	14' Upright Assembly (GameTime G80021)	496.06	77.04
11 68 13 00-1893	EA	14' Upright Assembly (GameTime H80021)	701.12	109.98
11 68 13 00-1894	EA	14' Upright Assembly (GameTime 80021)	595.21	93.79
11 68 13 00-1895	EA	15' Upright Assembly (GameTime G80022)	529.56	82.62
11 68 13 00-1896	EA	15' Upright Assembly (GameTime H80022)	748.49	117.23
11 68 13 00-1897	EA	15' Upright Assembly (GameTime 80022)	634.13	98.82
11 68 13 00-1898	EA	Step-Up Platform (GameTime 80023)	3,519.13	550.45
11 68 13 00-1899	EA	Plastic Square Deck Cedar (GameTime 80024)	2,016.74	315.42
11 68 13 00-1900	EA	Plastic Tri Deck Cedar (GameTime 80025)	1,528.78	238.38
11 68 13 00-1901	EA	5'-0" Treescape With Deck (GameTime 80026)	7,346.17	1,148.91
11 68 13 00-1902	EA	6'-0" Treescape With Deck (GameTime 80028)	7,592.87	1,187.44
11 68 13 00-1903	EA	7'-0" Treescape With Deck (GameTime 80030)	7,839.53	1,225.95
11 68 13 00-1904	EA	8'-0" Treescape With Deck (GameTime 80032)	8,086.22	1,264.48
11 68 13 00-1905	EA	5'-0" Treescape With Climber (GameTime 80033)	8,101.43	1,266.15
11 68 13 00-1906	EA	6'-0" Treescape With Climber (GameTime 80035)	8,367.75	1,308.57
11 68 13 00-1907	EA	7'-0" Treescape With Climber (GameTime 80037)	8,634.06	1,350.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1908	EA	8'-0" Treescape With Climber (GameTime 80039)	8,897.31	1,391.21
11 68 13 00-1909	EA	1'-0" Pentagonal Deck (GameTime 80041)	5,000.54	781.58
11 68 13 00-1910	EA	2'-0" Pentagonal Deck (GameTime 80043)	5,046.57	788.83
11 68 13 00-1911	EA	3'-0" Pentagonal Deck (GameTime 80045)	5,092.59	796.65
11 68 13 00-1912	EA	4'-0" Pentagonal Deck (GameTime 80047)	5,138.61	803.91
11 68 13 00-1913	EA	5'-0" Pentagonal Deck (GameTime 80049)	5,184.63	811.16
11 68 13 00-1914	EA	6'-0" Pentagonal Deck (GameTime 80051)	5,230.65	818.42
11 68 13 00-1915	EA	7'-0" Pentagonal Deck (GameTime 80053)	5,273.62	824.00
11 68 13 00-1916	EA	8'-0" Pentagonal Deck (GameTime 80055)	5,319.64	831.26
11 68 13 00-1917	EA	Pentagonal Deck With Climber (GameTime 80056)	5,618.09	878.71
11 68 13 00-1918	EA	Pentagonal Deck With Climber (GameTime 80058)	5,661.06	884.29
11 68 13 00-1919	EA	Pentagonal Deck With Climber (GameTime 80060)	5,707.08	891.55
11 68 13 00-1920	EA	7'-0" Pentagonal Deck With Climber (GameTime 80062)	5,754.45	899.36
11 68 13 00-1921	EA	8'-0" Pentagonal Deck With Climber (GameTime 80064)	5,800.46	906.62
11 68 13 00-1922	EA	Deck Flat Cap Package (GameTime 80076)	163.10	25.68
11 68 13 00-1923	EA	Maintenance Kit (GameTime 80077)	280.18	44.10
11 68 13 00-1924	EA	6" Stepped Platform (GameTime 80078)	2,484.61	236.71
11 68 13 00-1925	EA	Slide Transfer (GameTime 80080)	1,739.26	271.32
11 68 13 00-1926	EA	Noodle Top (GameTime 80100)	367.82	56.94
11 68 13 00-1927	EA	Arch (GameTime 80101)	702.47	109.98
11 68 13 00-1928	EA	Custom Text Arch Panel (GameTime 80102)	1,821.49	284.16
11 68 13 00-1929	EA	Perforated Metal Roof (GameTime 80104)	2,380.50	372.36
11 68 13 00-1930	EA	Perforated Metal Roof Extension (GameTime 80105G)	1,605.61	251.22
11 68 13 00-1931	EA	Perforated Roof With Custom Arch Panel (GameTime 80106)	3,729.61	583.39
11 68 13 00-1932	EA	Sculptured Roof (GameTime 80108)	12,479.00	1,950.59
11 68 13 00-1933	EA	Perforated Metal Peaked Roof (GameTime 80109)	3,718.44	581.71
11 68 13 00-1934	EA	Recycled Slat Peaked Roof (GameTime 80110)	3,896.76	609.07

11 68 13 00-1935 Playground Equipment (GameTime Models 80112 To 80642) *(11 68 13 00-1289)*

11 68 13 00-1936	EA	Perforated Gable Roof Single (GameTime 80112)	2,218.74	346.68
11 68 13 00-1937	EA	Dome Roof (GameTime 80116)	954.56	148.50
11 68 13 00-1938	EA	Hexadome Roof (GameTime 80119)	4,034.82	631.40
11 68 13 00-1939	EA	Hexawedge Roof (GameTime 80125)	4,470.99	698.95
11 68 13 00-1940	EA	Megadome Roof (GameTime 80126)	5,562.25	869.79
11 68 13 00-1941	EA	Quad Hip Roof (GameTime 80129)	3,113.41	486.26
11 68 13 00-1942	EA	Custom Mascot Arch Panel (GameTime 80144)	1,775.46	276.90
11 68 13 00-1943	EA	3' Flag Post (GameTime 80145)	331.60	51.36
11 68 13 00-1944	EA	4' Flag Post (GameTime 80146)	367.82	56.94
11 68 13 00-1945	EA	5' Flag Post (GameTime 80147)	407.07	64.20
11 68 13 00-1946	EA	6' Flag Post (GameTime 80148)	443.27	69.79
11 68 13 00-1947	EA	Ornamental Hex Roof (GameTime 80149)	5,559.55	869.79
11 68 13 00-1948	EA	Ornamental Oct Roof (GameTime 80150)	8,352.52	1,306.35
11 68 13 00-1949	EA	Perforated Roof/Mascot Arch Panel (GameTime 80151)	4,222.96	660.43
11 68 13 00-1950	EA	Medieval Flag Decal (GameTime 80152)	190.84	29.59
11 68 13 00-1951	EA	Racing Flag Decal (GameTime 80153)	190.84	29.59
11 68 13 00-1952	EA	Marine Flag Decal (GameTime 80154)	190.84	29.59
11 68 13 00-1953	EA	Canopy Roof (GameTime 80155)	9,779.44	1,528.53
11 68 13 00-1954	EA	Pagoda Roof With Perforated Metal (GameTime 80157)	6,224.12	972.50
11 68 13 00-1955	EA	Pagoda Roof With Slats (GameTime 80159)	7,304.20	1,141.66
11 68 13 00-1956	EA	Rainforest Canopy (GameTime 80162)	7,573.23	1,183.53
11 68 13 00-1957	EA	Shingle Roof (GameTime 80163)	1,151.16	179.76
11 68 13 00-1958	EA	Slate Roof (GameTime 80165)	1,339.29	209.35
11 68 13 00-1959	EA	Roof Extension 24" With Insert (GameTime 80166)	174.26	27.35
11 68 13 00-1960	EA	Roof Extension 24" With Rivet (GameTime 80167)	225.79	21.50
11 68 13 00-1961	EA	Roof Extension 36" With Rivet (GameTime 80168)	185.44	29.59
11 68 13 00-1962	EA	Modern Triangular Roof (GameTime 80171)	1,053.72	165.24
11 68 13 00-1963	EA	Modern Square Roof (GameTime 80172)	1,724.04	269.64
11 68 13 00-1964	EA	Upright Extension (GameTime 80173)	295.40	45.78
11 68 13 00-1965	EA	20' Sunblox Sail Roof (GameTime 80174)	15,394.80	2,407.81
11 68 13 00-1966	EA	20' Sunblox Roof (GameTime 80175)	9,674.91	1,511.79
11 68 13 00-1967	EA	14' Sunblox Sail Roof (GameTime 80176)	13,168.97	2,058.89
11 68 13 00-1968	EA	14' Sunblox Roof (GameTime 80177)	6,964.15	1,088.06
11 68 13 00-1969	EA	Extension 2' For Modern Roof (GameTime 80178)	197.96	31.26
11 68 13 00-1970	EA	Sail Roof (GameTime 80180)	539.37	84.30
11 68 13 00-1971	EA	Extension 1' For Modern Roof (GameTime 80181)	174.26	27.35
11 68 13 00-1972	EA	Extension 4' For Modern Roof (GameTime 80182)	245.33	38.52
11 68 13 00-1973	EA	Sail Roof Extensions (GameTime 80183G)	175.62	27.35
11 68 13 00-1974	EA	Sail Roof Extensions (GameTime 80183)	175.62	27.35
11 68 13 00-1975	EA	Quad Sail (GameTime 80184)	2,157.50	337.75
11 68 13 00-1976	EA	Tri Sail (GameTime 80185)	1,618.12	253.45
11 68 13 00-1977	EA	Hex Sail (GameTime 80186)	3,236.25	506.35
11 68 13 00-1978	EA	Arch Climber 3' (GameTime 80300)	1,236.09	192.61
11 68 13 00-1979	EA	Arch Climber 4' (GameTime 80301)	1,282.12	199.86
11 68 13 00-1980	EA	Arch Climber 5' (GameTime 80302)	1,328.12	207.12
11 68 13 00-1981	EA	3'-0"/3'-6" Clover Climber (GameTime 80303)	1,224.92	190.92
11 68 13 00-1982	EA	4'-0"/4'-6" Clover Climber (GameTime 80304)	1,326.77	207.12
11 68 13 00-1983	EA	5'-0"/5'-6" Clover Climber (GameTime 80305)	1,428.64	223.86
11 68 13 00-1984	EA	6'-0" Clover Climber (GameTime 80306)	1,527.43	238.38
11 68 13 00-1985	EA	3'-0" Bannister Rail (GameTime 80307)	1,370.09	214.94
11 68 13 00-1986	EA	4'-0" Bannister Rail (GameTime 80308)	1,447.91	225.54
11 68 13 00-1987	EA	2'-6" Loop Ladder (GameTime 80309)	1,397.84	218.29
11 68 13 00-1988	EA	3'-0" To 4'-0" Loop Ladder (GameTime 80310)	1,513.57	236.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1989	EA	5'-0" Loop Ladder (GameTime 80311)	1,627.94	255.12
11 68 13 00-1990	EA	6'-0" Loop Ladder (GameTime 80312)	1,740.62	271.32
11 68 13 00-1991	EA	3'-0" DNA Climber (GameTime 80313)	1,333.89	209.35
11 68 13 00-1992	EA	4'-0" DNA Climber (GameTime 80314)	1,516.27	236.71
11 68 13 00-1993	EA	5'-0" DNA Climber (GameTime 80315)	1,700.35	266.30
11 68 13 00-1994	EA	6'-0" DNA Climber (GameTime 80316)	1,885.79	295.32
11 68 13 00-1995	EA	3'-0" Fat Pipe Climber (GameTime 80317)	2,051.60	321.00
11 68 13 00-1996	EA	3'-6" To 4' Fat Pipe Climber (GameTime 80318)	2,267.46	353.94
11 68 13 00-1997	EA	4'-6" To 5' Fat Pipe Climber (GameTime 80319)	2,486.40	389.11
11 68 13 00-1998	EA	3'-0" To 3'-6" Tree Climber (GameTime 80320)	1,151.16	179.76
11 68 13 00-1999	EA	4'-0" To 4'-6" Tree Climber (GameTime 80321)	1,201.24	187.02
11 68 13 00-2000	EA	5'-0" To 5'-6" Tree Climber (GameTime 80322)	1,254.37	196.51
11 68 13 00-2001	EA	6'-0" Tree Climber (GameTime 80323)	1,304.45	203.77
11 68 13 00-2002	EA	3'\3'-6" Crazy Eight (GameTime 80324)	1,392.43	218.29
11 68 13 00-2003	EA	4'\4'-6" Crazy Eight (GameTime 80325)	1,406.30	219.96
11 68 13 00-2004	EA	5'\5'-6" Crazy Eight (GameTime 80326)	1,514.92	236.71
11 68 13 00-2005	EA	6'-0" Crazy Eight Climber (GameTime 80327)	1,574.81	245.64
11 68 13 00-2006	EA	2'-0" St Fat Pipe Attachment (GameTime 80328)	2,027.90	317.65
11 68 13 00-2007	EA	2'-6" St Fat Pipe Attachment (GameTime 80329)	2,208.93	345.01
11 68 13 00-2008	EA	3'-0" St Fat Pipe Attachment (GameTime 80330)	2,393.01	374.60
11 68 13 00-2009	EA	3'-0"/3'-6" Chain Link (GameTime 80331)	1,188.71	185.35
11 68 13 00-2010	EA	4'-0"/4'-6" Chain Link (GameTime 80332)	1,243.21	194.28
11 68 13 00-2011	EA	5'-0"/5'-6" Chain Link (GameTime 80333)	1,293.28	202.09
11 68 13 00-2012	EA	6'-0" Chain Link Climber (GameTime 80334)	1,346.41	211.03
11 68 13 00-2013	EA	2'-0"/2'-6" Clover Leaf (GameTime 80335)	1,549.77	242.29
11 68 13 00-2014	EA	3'-0"/3'-6" Clover Leaf (GameTime 80336)	1,817.43	284.16
11 68 13 00-2015	EA	4'-0"/4'-6" Clover Leaf (GameTime 80337)	2,085.09	326.59
11 68 13 00-2016	EA	Megarock Climber (GameTime 80338)	4,709.21	735.80
11 68 13 00-2017	EA	Wave Climber (GameTime 80340)	1,535.90	240.62
11 68 13 00-2018	EA	Coated Chain Net 3' Deck (GameTime 80341)	1,630.64	255.12
11 68 13 00-2019	EA	Coated Chain Net 4' Deck (GameTime 80342)	1,687.83	264.06
11 68 13 00-2020	EA	Coated Chain Net 5' Deck (GameTime 80343)	1,745.03	273.55
11 68 13 00-2021	EA	3' Coat Chain Climber With Rails (GameTime 80344)	1,749.08	273.55
11 68 13 00-2022	EA	4' Coat Chain Climber With Rails (GameTime 80345)	1,828.59	286.39
11 68 13 00-2023	EA	5' Coat Chain Climber With Rails (GameTime 80346)	1,905.07	297.00
11 68 13 00-2024	EA	2'-0" Cork Screw Climber (GameTime 80347)	1,395.14	218.29
11 68 13 00-2025	EA	2'-6" Cork Screw Climber (GameTime 80348)	1,459.08	227.77
11 68 13 00-2026	EA	3'-0" Cork Screw Climber (GameTime 80349)	1,526.08	238.38
11 68 13 00-2027	EA	3'-6" Cork Screw Climber (GameTime 80350)	1,593.09	249.55
11 68 13 00-2028	EA	4'-0" Cork Screw Climber (GameTime 80351)	1,657.03	258.47
11 68 13 00-2029	EA	5'-0" Cork Screw Climber (GameTime 80352)	1,724.04	269.64
11 68 13 00-2030	EA	6'-0" Cork Screw Climber (GameTime 80353)	1,787.98	279.13
11 68 13 00-2031	EA	Double Climber 4'-5' (GameTime 80355)	1,428.64	223.86
11 68 13 00-2032	EA	Double Climber 5'-6" To 6'-0 (GameTime 80356)	1,593.09	249.55
11 68 13 00-2033	EA	3'-0"/3'-6" Spiny Arch (GameTime 80358)	1,110.90	174.18
11 68 13 00-2034	EA	4'-0"/4'-6" Spiny Arch (GameTime 80359)	1,176.19	183.67
11 68 13 00-2035	EA	5'-0" Spiny Arch Climber (GameTime 80360)	1,241.85	194.28
11 68 13 00-2036	EA	3'-0"\3'-6" Twister Climb (GameTime 80361)	1,153.87	179.76
11 68 13 00-2037	EA	4'-0"\4'-6" Twister Climb (GameTime 80362)	1,218.16	190.92
11 68 13 00-2038	EA	5'-0"\5'-6" Twister Climb (GameTime 80363)	1,279.41	199.86
11 68 13 00-2039	EA	6'-0" Twister Climber (GameTime 80364)	1,340.64	209.35
11 68 13 00-2040	EA	Wavy Tree Climb 2'-6" To 3-0 (GameTime 80365)	1,123.42	176.41
11 68 13 00-2041	EA	Wavy Tree Climb 3'-6" To 4-0 (GameTime 80366)	1,211.05	189.25
11 68 13 00-2042	EA	Wavy Tree Climb 4'-6" To 5-0 (GameTime 80367)	1,300.39	203.77
11 68 13 00-2043	EA	3'-0" To 3'-6" Zipper Climber (GameTime 80368)	1,615.42	253.45
11 68 13 00-2044	EA	4'-0" To 4'-6" Zipper Climber (GameTime 80369)	1,703.06	266.30
11 68 13 00-2045	EA	5'-0" To 5'-6" Zipper Climber (GameTime 80370)	1,795.09	280.80
11 68 13 00-2046	EA	6'-0" Zipper Climber (GameTime 80371)	1,862.09	291.97
11 68 13 00-2047	EA	3'-6" Chunky Arch Climber (GameTime 80374)	1,691.89	264.06
11 68 13 00-2048	EA	4'-0"/5'-0" Chunky Arch (GameTime 80375)	1,768.70	276.90
11 68 13 00-2049	EA	5'-0" Trunk Climber (GameTime 80376)	1,632.00	255.12
11 68 13 00-2050	EA	5'-6"/6'-0" Trunk Climber (GameTime 80377)	1,947.02	304.82
11 68 13 00-2051	EA	6'-6"/7'-0" Trunk Climber (GameTime 80378)	2,263.41	353.94
11 68 13 00-2052	EA	7'-6"/8'-0" Trunk Climber (GameTime 80379)	2,578.44	403.62
11 68 13 00-2053	EA	Double Megarock Climber (GameTime 80380)	10,582.46	1,655.26
11 68 13 00-2054	EA	Side Stepper Attachment (GameTime 80382)	1,193.12	187.02
11 68 13 00-2055	EA	Side Stepper Link (GameTime 80383)	1,703.06	266.30
11 68 13 00-2056	EA	Side Stepper Double Up (GameTime 80384)	2,150.39	336.07
11 68 13 00-2057	EA	Side Stepper Double Down (GameTime 80385)	2,039.07	319.33
11 68 13 00-2058	EA	Toad Stool Climber (GameTime 80386)	1,078.75	168.59
11 68 13 00-2059	EA	3'/3'-6" Bubble Climber (GameTime 80391)	1,028.67	161.34
11 68 13 00-2060	EA	4'-0" Bubble Climber (GameTime 80392)	1,103.79	172.50
11 68 13 00-2061	EA	4'-6"/5' Bubble Climber (GameTime 80393)	1,183.31	185.35
11 68 13 00-2062	EA	5'-6"/6' Bubble Climber (GameTime 80394)	1,258.42	196.51
11 68 13 00-2063	EA	2'-0" Leaning Wall Climber (GameTime 80395)	1,537.25	240.62
11 68 13 00-2064	EA	2'-6" Leaning Wall Climber (GameTime 80396)	1,803.56	282.48
11 68 13 00-2065	EA	3'-0" Leaning Wall Climber (GameTime 80397)	2,066.81	323.24
11 68 13 00-2066	EA	Incline Fat Pipe 2-Deck (GameTime 80407)	3,438.27	537.61
11 68 13 00-2067	EA	Fat Pipe Link 2-Deck St (GameTime 80408)	3,429.80	535.94
11 68 13 00-2068	EA	Fat Pipe Link 3-Deck St (GameTime 80409)	4,263.21	666.01
11 68 13 00-2069	EA	3'-0" Coaster Climb Link (GameTime 80410)	2,149.03	336.07
11 68 13 00-2070	EA	4' And 5' Coaster Climb Link (GameTime 80411)	2,302.32	359.53
11 68 13 00-2071	EA	Tree Climber Link 2-Deck (GameTime 80412)	2,537.83	396.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2072	EA	2' Volcano Climber Attachment (GameTime 80416)	2,886.36	451.64
11 68 13 00-2073	EA	4' Volcano Climber Attachment (GameTime 80417)	4,215.85	658.76
11 68 13 00-2074	EA	6' Volcano Climber Attachment (GameTime 80418)	5,548.39	868.10
11 68 13 00-2075	EA	8' Vertical Climb Wall Attachment (GameTime 80419)	4,672.99	730.21
11 68 13 00-2076	EA	Ribbon Wall Climber Link (GameTime 80420)	11,125.88	1,739.56
11 68 13 00-2077	EA	Rock Wall Climber (GameTime 80421)	1,675.31	262.38
11 68 13 00-2078	EA	S Wall Climber Link (GameTime 80422)	6,925.24	1,082.48
11 68 13 00-2079	EA	Side Stepper - Double Up Attachment (GameTime 80423)	1,570.75	245.64
11 68 13 00-2080	EA	6' Cosmix Climber Attachment (GameTime 80424)	1,935.86	302.58
11 68 13 00-2081	EA	8' Cosmix Climber Attachment (GameTime 80425)	1,972.07	308.17
11 68 13 00-2082	EA	6' Cosmix Climber, Kidcourse (GameTime 80426)	1,333.89	209.35
11 68 13 00-2083	EA	8' Cosmix Climber, Kidcourse (GameTime 80427)	1,393.07	205.44
11 68 13 00-2084	EA	Poly Climbing Wall (GameTime 80428)	2,785.85	434.89
11 68 13 00-2085	EA	Poly Climbing Wall, KidCourse (GameTime 80429)	2,354.73	346.68
11 68 13 00-2086	EA	Sky Bridge Hanging Beam (GameTime 80430)	6,360.83	994.83
11 68 13 00-2087	EA	4' Flat Wall Attachment (GameTime 80431)	1,878.67	293.65
11 68 13 00-2088	EA	8' Flat Wall Attachment (GameTime 80432)	2,708.04	423.73
11 68 13 00-2089	EA	Side Stepper - Double Up (GameTime 80433)	1,047.95	163.57
11 68 13 00-2090	EA	Side Stepper - Double Down (GameTime 80434)	1,047.95	163.57
11 68 13 00-2091	EA	Giant Wave Climber (GameTime 80435)	2,291.15	357.85
11 68 13 00-2092	EA	7' Crazy Eight Climber (GameTime 80437)	1,597.14	249.55
11 68 13 00-2093	EA	8' Crazy Eight Climber (GameTime 80438)	1,676.66	262.38
11 68 13 00-2094	EA	Incline Cosmix Climber (GameTime 80439)	1,078.75	168.59
11 68 13 00-2095	EA	7'/7'-6" Tree Climber (GameTime 80440)	1,539.95	240.62
11 68 13 00-2096	EA	8' Tree Climber (GameTime 80441)	1,618.12	253.45
11 68 13 00-2097	EA	7'/7'-6" Bubble Climber (GameTime 80442)	1,349.11	211.03
11 68 13 00-2098	EA	8' Bubble Climber (GameTime 80443)	1,424.23	222.19
11 68 13 00-2099	EA	Tree Climber 3'-0", 3'-6" (GameTime 80444)	1,443.86	225.54
11 68 13 00-2100	EA	Tree Climber 4'-0", 4'-6" (GameTime 80445)	1,463.49	229.45
11 68 13 00-2101	EA	Tree Climber 5'-0", 5'-6" (GameTime 80446)	1,552.48	242.29
11 68 13 00-2102	EA	Tree Climber 6'-0", 6'-6" (GameTime 80447)	1,608.31	251.22
11 68 13 00-2103	EA	Tree Climber 7'-0", 7'-6" (GameTime 80448)	1,680.72	262.38
11 68 13 00-2104	EA	Tree Climber 8'-0" (GameTime 80449)	1,736.56	271.32
11 68 13 00-2105	EA	Criss-Cross Web (GameTime 80450)	5,923.30	926.73
11 68 13 00-2106	EA	Clover Leaf Climber 2'-0", 2'-6" (GameTime 80451)	1,644.51	256.80
11 68 13 00-2107	EA	Clover Leaf Climber 3'-0", 3'-6" (GameTime 80452)	1,901.02	297.00
11 68 13 00-2108	EA	Clover Leaf Climber 4'-0", 4'-6" (GameTime 80453)	2,157.50	337.75
11 68 13 00-2109	EA	1'-6" Entrance Barrier (GameTime 80601)	408.42	64.20
11 68 13 00-2110	EA	2'-0" Entrance Barrier (GameTime 80602)	432.11	68.11
11 68 13 00-2111	EA	2'-6" Entrance Barrier (GameTime 80603)	457.15	71.46
11 68 13 00-2112	EA	3'-0" Entrance Barrier (GameTime 80604)	482.18	75.36
11 68 13 00-2113	EA	3'-6" Entrance Barrier (GameTime 00605)	821.96	78.27
11 68 13 00-2114	EA	1'-6" Rung Deck Filler (GameTime 80606)	519.75	80.95
11 68 13 00-2115	EA	2'-0" Rung Deck Filler (GameTime 80607)	560.35	88.21
11 68 13 00-2116	EA	2'-6" Rung Deck Filler (GameTime 80608)	597.91	93.79
11 68 13 00-2117	EA	3'-0" Rung Deck Filler (GameTime 80609)	635.48	98.82
11 68 13 00-2118	EA	3'-6" Rung Deck Filler (GameTime 80610)	673.04	104.40
11 68 13 00-2119	EA	EN Slide Package (GameTime 80611)	167.16	25.68
11 68 13 00-2120	EA	Vertical Climber (GameTime 80627)	469.67	73.14
11 68 13 00-2121	EA	Rung Access 1'-6" (GameTime 80628)	1,068.93	166.92
11 68 13 00-2122	EA	Rung Access 2'-0" (GameTime 80629)	1,116.31	174.18
11 68 13 00-2123	EA	Rung Access 2'-6" (GameTime 80630)	1,163.68	181.44
11 68 13 00-2124	EA	Rung Access 3' And 4' (GameTime 80631)	1,219.51	190.92
11 68 13 00-2125	EA	Rung Access 3'-6" (GameTime 80632)	1,258.42	196.51
11 68 13 00-2126	EA	Rung Access 4'-6" (GameTime 80633)	1,305.80	203.77
11 68 13 00-2127	EA	Rung Access 5'-6" (GameTime 80634)	1,353.17	211.03
11 68 13 00-2128	EA	Rung Access 5' And 6' (GameTime 80635)	1,400.55	218.29
11 68 13 00-2129	EA	1'-6" Punched Steel Stair (GameTime 80636)	1,793.74	280.80
11 68 13 00-2130	EA	2'-0" Punched Steel Stair (GameTime 80637)	1,983.23	310.39
11 68 13 00-2131	EA	2'-6" Punched Steel Stair (GameTime 80638)	2,172.72	339.43
11 68 13 00-2132	EA	3'-0" Punched Steel Stair (GameTime 80639)	2,362.22	369.01
11 68 13 00-2133	EA	Entry Archway (GameTime 80641)	659.16	102.73
11 68 13 00-2134	EA	Oset Archway (GameTime 80642)	551.89	85.97

11 68 13 00-2135 Playground Equipment (GameTime Models 80643 To 81234) *(11 68 13 00-1289)*

11 68 13 00-2136	EA	2'-0" Accessible Steps (GameTime 80643)	1,821.49	284.16
11 68 13 00-2137	EA	4'-0" Accessible Steps (GameTime 80644)	3,357.39	524.77
11 68 13 00-2138	EA	6'-0" Accessible Steps (GameTime 80645)	4,893.28	765.39
11 68 13 00-2139	EA	3'-0" Punch Access Ladder (GameTime 80646)	2,043.13	319.33
11 68 13 00-2140	EA	4'-0" Punch Access Ladder (GameTime 80648)	2,303.67	359.53
11 68 13 00-2141	EA	5'-0" Punch Access Ladder (GameTime 80650)	2,567.27	401.95
11 68 13 00-2142	EA	6'-0" Punch Access Ladder (GameTime 80652)	2,827.82	442.15
11 68 13 00-2143	EA	3'-0" Transfer Point (GameTime 80653)	2,614.65	409.21
11 68 13 00-2144	EA	4'-0" Transfer Point (GameTime 80654)	3,236.25	506.35
11 68 13 00-2145	EA	5'-0" Transfer Point (GameTime 80655)	3,857.85	603.49
11 68 13 00-2146	EA	Access Attachment 3' And 4' (GameTime 80656)	657.81	102.73
11 68 13 00-2147	EA	Access Attachment 5' (GameTime 80657)	1,122.07	106.63
11 68 13 00-2148	EA	8'-0" Access Ladder (GameTime 80662)	3,226.43	504.68
11 68 13 00-2149	EA	Overhead Ladder Access Package (GameTime 80663)	731.56	113.89
11 68 13 00-2150	EA	Archway Kick Plate, 1'-6" (GameTime 80664)	1,070.28	166.92
11 68 13 00-2151	EA	Archway Kick Plate Package (GameTime 80665)	1,081.45	168.59
11 68 13 00-2152	EA	3'-0" Transfer Platform (GameTime 80673)	3,517.77	550.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2153	EA	4'-0" Transfer Platform (GameTime 80674)	4,416.50	690.02
11 68 13 00-2154	EA	5'-0" Transfer Platform (GameTime 80675)	5,318.29	831.26
11 68 13 00-2155	EA	Access Dragon (GameTime 80676)	6,232.59	974.18
11 68 13 00-2156	EA	1'-6" Punched Stairs - CSA (GameTime 80681)	1,675.31	262.38
11 68 13 00-2157	EA	2'-0" Punched Stairs - CSA (GameTime 80682)	1,875.97	293.65
11 68 13 00-2158	EA	2'-6" Punched Stairs - CSA (GameTime 80683)	2,076.63	324.91
11 68 13 00-2159	EA	3'-0" Punched Stairs - CSA (GameTime 80684)	2,277.28	356.18
11 68 13 00-2160	EA	Accessible Trans Step Package (GameTime 80685)	1,080.10	168.59
11 68 13 00-2161	EA	Handhold/Kick Plate Package (GameTime 80686)	565.76	88.21
11 68 13 00-2162	EA	Handhold/Kick Plate Package (GameTime 80687)	652.62	62.19
11 68 13 00-2163	EA	2' Tri Transfer Platform (GameTime 80688)	3,219.03	306.66
11 68 13 00-2164	EA	Handhold Package (GameTime 80689)	190.84	29.59
11 68 13 00-2165	EA	6" Accessible Step (GameTime 80690)	1,060.47	165.24
11 68 13 00-2166	EA	90 Degree Caterpillar Attachment (GameTime 80691)	2,312.14	361.76
11 68 13 00-2167	EA	Inchworm Climber Attachment (GameTime 80692)	2,275.93	356.18
11 68 13 00-2168	EA	Inchworm Climber Link (GameTime 80693)	2,837.64	443.82
11 68 13 00-2169	EA	12" Stepped Platform (GameTime 80694)	1,619.47	253.45
11 68 13 00-2170	EA	Archway Step Package - 2' Rise (GameTime 80695)	1,627.94	255.12
11 68 13 00-2171	EA	4' Crawl Tube With Spy Holes (GameTime 80701)	1,771.41	276.90
11 68 13 00-2172	EA	8' Crawl Tube With Spy Holes (GameTime 80702)	2,485.05	389.11
11 68 13 00-2173	EA	2' Crawl Tube With Spy Holes (GameTime 80703)	1,537.25	240.62
11 68 13 00-2174	EA	90 Degree Crawl Tube With Spy (GameTime 80704)	1,736.56	271.32
11 68 13 00-2175	EA	LCrawl Tube (GameTime 80705)	2,536.48	396.37
11 68 13 00-2176	EA	P-A-B " L" Crawl Tube - Clear (GameTime 80706)	4,038.88	631.40
11 68 13 00-2177	EA	P-A-B " L" Crawl Tube - Smoke (GameTime 80707)	4,038.88	631.40
11 68 13 00-2178	EA	Crawl Tube Attachment (GameTime 80708)	1,289.22	202.09
11 68 13 00-2179	EA	180 Degree Crawl Tube (GameTime 80709)	2,618.71	409.21
11 68 13 00-2180	EA	4' Clear Crawl Tube (GameTime 80710	3,169.24	495.18
11 68 13 00-2181	EA	8' Clear Crawl Tube (GameTime 80711)	5,361.60	838.52
11 68 13 00-2182	EA	4' Smoke Crawl Tube (GameTime 80712)	3,169.24	495.18
11 68 13 00-2183	EA	8' Smoke Crawl Tube (GameTime 80713)	5,361.60	838.52
11 68 13 00-2184	EA	S' Crawl Tube (GameTime 80714)	2,444.43	381.86
11 68 13 00-2185	EA	8' Tunnel-Up (GameTime 80715)	3,223.73	504.68
11 68 13 00-2186	EA	Sidewinder Crawl Tube (GameTime 80717)	2,942.20	460.57
11 68 13 00-2187	EA	Boomerang Crawl Tube (GameTime 80718)	3,407.46	532.03
11 68 13 00-2188	EA	Big Dipper Crawl Tube (GameTime 80719)	2,137.86	333.85
11 68 13 00-2189	EA	Down Under Crawl Tube (GameTime 80720)	4,200.63	657.08
11 68 13 00-2190	EA	Tsunami Crawl Tube (GameTime 80721)	4,200.63	657.08
11 68 13 00-2191	EA	30" Punched Crawl Tube Above Deck (GameTime 80722)	5,138.61	803.91
11 68 13 00-2192	EA	30" Punched Crawl Tube Below Deck (GameTime 80723)	5,637.36	880.95
11 68 13 00-2193	EA	4-Way Crawl Tube (GameTime 80724)	3,545.52	554.36
11 68 13 00-2194	EA	Criss Cross Crawl Tube (GameTime 80725)	6,416.65	1,003.77
11 68 13 00-2195	EA	Double Down Under Crawl Tube (GameTime 80726)	5,847.84	913.88
11 68 13 00-2196	EA	Zig Zag Crawl Tube (GameTime 80727)	5,081.42	794.41
11 68 13 00-2197	EA	Rung Enclosure (GameTime 80776)	813.80	126.73
11 68 13 00-2198	EA	Dolphin Enclosure (GameTime 80778)	1,201.24	187.02
11 68 13 00-2199	EA	Shooting Star Enclosure (GameTime 80784)	960.32	150.73
11 68 13 00-2200	EA	Butterfly Enclosure (GameTime 80788)	960.32	150.73
11 68 13 00-2201	EA	Custom Steel Enclosure (GameTime 80789)	1,201.24	187.02
11 68 13 00-2202	EA	Eagle Perch Enclosure (GameTime 80792)	960.32	150.73
11 68 13 00-2203	EA	Stencil Enclosure (GameTime 80807)	960.32	150.73
11 68 13 00-2204	EA	Crow' S Nest Platform (GameTime 80809)	1,502.40	235.03
11 68 13 00-2205	EA	Crow' S Nest With Steer Wheel (GameTime 80810)	1,714.22	267.97
11 68 13 00-2206	EA	Veranda (GameTime 80814)	1,785.28	279.13
11 68 13 00-2207	EA	Steering Wheel Enclosure (GameTime 80815)	1,028.67	161.34
11 68 13 00-2208	EA	Double Steering Wheel Enclosure (GameTime 80816)	1,222.22	190.92
11 68 13 00-2209	EA	Contoured Seat Panel (GameTime 80817)	1,258.42	196.51
11 68 13 00-2210	EA	Funnel Enclosure (GameTime 80818)	788.76	122.82
11 68 13 00-2211	EA	Metal Mirror Panel (GameTime 80819)	1,551.13	242.29
11 68 13 00-2212	EA	Balustrade Enclosure (GameTime 80820)	1,095.33	170.83
11 68 13 00-2213	EA	Enclosure With Timber (GameTime 80821)	1,289.22	202.09
11 68 13 00-2214	EA	Flat Mirror Panel (GameTime 80822)	1,647.21	256.80
11 68 13 00-2215	EA	Wavy Mirror Panel (GameTime 80826)	2,671.84	418.14
11 68 13 00-2216	EA	Rain Wheel Panel (GameTime 80827)	1,866.15	291.97
11 68 13 00-2217	EA	4' Enclosure Panel With Graphics (GameTime 80828)	813.80	126.73
11 68 13 00-2218	EA	Accessibility Panel (GameTime 80829)	880.79	137.89
11 68 13 00-2219	EA	Window Panel (GameTime 80830)	1,186.01	185.35
11 68 13 00-2220	EA	Mini Bus Panel (GameTime 80831)	1,149.81	179.76
11 68 13 00-2221	EA	Piston Panel Enclosure (GameTime 80832)	2,498.92	390.79
11 68 13 00-2222	EA	Round Mirror Panel Enclosure (GameTime 80833)	1,556.88	243.97
11 68 13 00-2223	EA	Zoo Panel Enclosure (GameTime 80835)	1,066.23	166.92
11 68 13 00-2224	EA	Bubble Panel (GameTime 80836)	1,066.23	166.92
11 68 13 00-2225	EA	Bug Eye Panel (GameTime 80837)	1,513.57	236.71
11 68 13 00-2226	EA	Bright View Panel (GameTime 80838)	1,358.93	212.70
11 68 13 00-2227	EA	Space Window (GameTime 80839)	1,201.24	187.02
11 68 13 00-2228	EA	Interactive Panel - Animal (GameTime 80841)	1,269.59	198.18
11 68 13 00-2229	EA	Counting Panel (GameTime 80843)	1,269.59	198.18
11 68 13 00-2230	EA	Math Panel (GameTime 80844)	1,269.59	198.18
11 68 13 00-2231	EA	Objects Panel (GameTime 80845)	1,269.59	198.18
11 68 13 00-2232	EA	Shapes Panel (GameTime 80846)	1,269.59	198.18
11 68 13 00-2233	EA	Noah' S Ark Panel (GameTime 80847)	1,269.59	198.18
11 68 13 00-2234	EA	Endangered Species Panel (GameTime 80848)	1,269.59	198.18
11 68 13 00-2235	EA	Nature Panel (GameTime 80849)	1,269.59	198.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2236	EA	Solar Panel (GameTime 80850)	1,269.59	198.18
11 68 13 00-2237	EA	Tic-Tac-Toe Panel Enclosure (GameTime 80854)	1,312.91	205.44
11 68 13 00-2238	EA	Custom Text Disc Panel (GameTime 80855)	1,712.87	267.97
11 68 13 00-2239	EA	Custom Mascot Panel (GameTime 80856)	1,922.00	300.91
11 68 13 00-2240	EA	Anchors Away Panel (GameTime 80859)	1,775.46	276.90
11 68 13 00-2241	EA	Castle Window Panel (GameTime 80860)	1,771.41	276.90
11 68 13 00-2242	EA	Coat Of Arms Panel (GameTime 80861)	1,428.64	223.86
11 68 13 00-2243	EA	Count And Spell Panel (GameTime 80862)	1,407.65	219.96
11 68 13 00-2244	EA	Count And Spell Panel (GameTime 80863)	2,150.39	336.07
11 68 13 00-2245	EA	Maze Time Panel (GameTime 80864)	1,842.47	288.06
11 68 13 00-2246	EA	Ocean Liner Panel (GameTime 80865)	1,842.47	288.06
11 68 13 00-2247	EA	Royal Castle Panel (GameTime 80866)	3,113.41	486.26
11 68 13 00-2248	EA	Tower Guard Panel (GameTime 80867)	3,553.98	556.03
11 68 13 00-2249	EA	Contoured Seat - Below Deck (GameTime 80868)	1,035.43	161.34
11 68 13 00-2250	EA	Metal Storefront Panel (GameTime 80869)	1,181.95	185.35
11 68 13 00-2251	EA	Store Panel (GameTime 80876)	1,289.22	202.09
11 68 13 00-2252	EA	Battle Knight Panel (GameTime 80877)	2,191.00	343.33
11 68 13 00-2253	EA	Princess Panel (GameTime 80879)	2,191.00	343.33
11 68 13 00-2254	EA	Thespian Theater Panel (GameTime 80881)	2,191.00	343.33
11 68 13 00-2255	EA	Flat Mirror - Below Deck (GameTime 80883)	1,647.21	256.80
11 68 13 00-2256	EA	Wavy Mirror - Below Deck (GameTime 80884)	2,792.97	436.56
11 68 13 00-2257	EA	Rung Enclosure - Below Deck (GameTime 80886)	813.80	126.73
11 68 13 00-2258	EA	Dolphin Enclosure Below Deck (GameTime 80888)	1,201.24	187.02
11 68 13 00-2259	EA	Shooting Star Enclosure (GameTime 80895)	1,201.24	187.02
11 68 13 00-2260	EA	Butterfly Enclosure Below Deck (GameTime 80898)	1,222.22	190.92
11 68 13 00-2261	EA	Eagle Perch Enclosure Below Deck (GameTime 80903)	1,201.24	187.02
11 68 13 00-2262	EA	Stencil Enclosure Below Deck (GameTime 80907)	1,201.24	187.02
11 68 13 00-2263	EA	Custom Steel Enclosure Below (GameTime 80913)	1,201.24	187.02
11 68 13 00-2264	EA	Steering Wheel Enclosure Below (GameTime 80919)	1,028.67	161.34
11 68 13 00-2265	EA	Double Steering Wheel Enclosure (GameTime 80920)	1,224.92	190.92
11 68 13 00-2266	EA	Metal Mirror Panel - Below (GameTime 80922)	1,551.13	242.29
11 68 13 00-2267	EA	Enclosure With Timber Below (GameTime 80923)	1,289.22	202.09
11 68 13 00-2268	EA	Double Seat (GameTime 80924)	1,091.85	104.00
11 68 13 00-2269	EA	Leaning Rail (GameTime 80925)	278.83	44.10
11 68 13 00-2270	EA	Leaf Enclosure (GameTime 80926)	988.06	154.08
11 68 13 00-2271	EA	Telescope Enclosure (GameTime 80927)	1,716.92	267.97
11 68 13 00-2272	EA	Kaleidoscope Enclosure (GameTime 80928)	1,775.46	276.90
11 68 13 00-2273	EA	Gizmo Panel - 5 Gizmos (GameTime 80930)	667.63	104.40
11 68 13 00-2274	EA	Single Gizmo Panel (GameTime 80931)	527.98	60.29
11 68 13 00-2275	EA	Gizmo Panel ADA - 3 Gizmos Below Deck (GameTime 80932)	871.20	83.18
11 68 13 00-2276	EA	Decorative Panel (GameTime 80933)	656.46	102.73
11 68 13 00-2277	EA	Decorative Panel With Wheel (GameTime 80934)	847.30	132.31
11 68 13 00-2278	EA	Wide Platform Barrier (GameTime 80935)	866.92	135.65
11 68 13 00-2279	EA	Choo Panel (GameTime 80936)	1,010.39	157.99
11 68 13 00-2280	EA	Drivers Panel (GameTime 80937)	1,010.39	157.99
11 68 13 00-2281	EA	Telescope Enclosure Panel Below Deck (GameTime 80938)	2,183.89	341.11
11 68 13 00-2282	EA	Kaleidoscope Enclosure Panel Below Deck (GameTime 80939)	1,874.62	293.65
11 68 13 00-2283	EA	Double Steering Wheel Enclosure - 6" - 8' (GameTime 80940)	1,299.04	203.77
11 68 13 00-2284	EA	30" Bubble Panel (GameTime 80941)	1,088.57	170.83
11 68 13 00-2285	EA	Arch Bridge - 98" Link (GameTime 81101)	6,087.75	952.41
11 68 13 00-2286	EA	Arch Bridge - 147" Link (GameTime 81102)	6,923.89	1,082.48
11 68 13 00-2287	EA	Challenge Canyon Bridge (GameTime 81103)	3,730.96	583.39
11 68 13 00-2288	EA	90 Degree Curved Bridge (GameTime 81105)	6,607.49	1,033.35
11 68 13 00-2289	EA	S Curved Bridge (GameTime 81106)	12,547.41	1,961.75
11 68 13 00-2290	EA	90 Degree Funnel Bridge (GameTime 81107)	5,020.18	785.48
11 68 13 00-2291	EA	Funnel Bridge - 49" (GameTime 81108)	3,098.20	484.57
11 68 13 00-2292	EA	Funnel Bridge - 98" (GameTime 81109)	4,165.78	651.50
11 68 13 00-2293	EA	Lo-Wave Bridge With Barrier (GameTime 81110)	2,954.72	462.24
11 68 13 00-2294	EA	Hi-Wave Bridge With Barrier (GameTime 81111)	3,085.67	482.35
11 68 13 00-2295	EA	Mini-Arch Bridge (GameTime 81112)	3,117.82	487.93
11 68 13 00-2296	EA	Suspension Bridge (GameTime 81113)	6,245.11	976.41
11 68 13 00-2297	EA	90 Degree Lily Pad Link (GameTime 81114)	3,310.01	517.51
11 68 13 00-2298	EA	Straight Lily Pad 2 Deck (GameTime 81115)	3,108.00	486.26
11 68 13 00-2299	EA	Serpentine Lily Pad 2 Deck (GameTime 81116)	3,428.45	535.94
11 68 13 00-2300	EA	Straight Lily Pad 3 Deck (GameTime 81118)	3,899.46	609.07
11 68 13 00-2301	EA	Serpentine Lily Pad 3 Deck (GameTime 81119)	4,222.96	660.43
11 68 13 00-2302	EA	Sky Bridge (GameTime 81121)	7,930.22	1,240.47
11 68 13 00-2303	EA	Funnel Suspension Bridge (GameTime 81140)	6,310.74	987.02
11 68 13 00-2304	EA	Incline Cosmix Offset (GameTime 81141)	2,020.80	315.42
11 68 13 00-2305	EA	Incline Cosmix Center (GameTime 81142)	1,983.23	310.39
11 68 13 00-2306	EA	Giant Wave Climber Link (GameTime 81143)	3,215.26	503.00
11 68 13 00-2307	EA	Mini Pod Link, Single (GameTime 81144)	1,020.61	155.76
11 68 13 00-2308	EA	Mini Pod Link, Double (GameTime 81145)	2,061.40	323.24
11 68 13 00-2309	EA	Inclined Mini Pod Link 1'-0" - 2'-6" (GameTime 81146)	1,022.91	159.67
11 68 13 00-2310	EA	Inclined Mini Pod Link 1'-0" - 3'-0" (GameTime 81147)	2,101.66	328.26
11 68 13 00-2311	EA	1'-0" Stepped Platform (GameTime 81201)	2,167.31	339.43
11 68 13 00-2312	EA	2'-0" Stepped Platform (GameTime 81202)	2,395.71	374.60
11 68 13 00-2313	EA	2'-6" Stepped Platform (GameTime 81203)	3,145.56	491.83
11 68 13 00-2314	EA	3'-0" Stepped Platform (GameTime 81204)	3,452.13	539.29
11 68 13 00-2315	EA	4'-0" Stepped Platform (GameTime 81205)	4,036.18	631.40
11 68 13 00-2316	EA	3'-0" Peek-A-Boo-Clear (GameTime 81216)	3,588.85	561.62
11 68 13 00-2317	EA	4'-0" Peek-A-Boo-Clear (GameTime 81217)	3,871.72	605.72
11 68 13 00-2318	EA	5'-0" Peek-A-Boo-Clear (GameTime 81218)	4,154.60	649.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2319	EA	6'-0" Peek-A-Boo-Clear (GameTime 81219)	4,437.48	693.37
11 68 13 00-2320	EA	3'-0" Peek-A-Boo-Smoke (GameTime 81220)	3,588.85	561.62
11 68 13 00-2321	EA	4'-0" Peek-A-Boo-Smoke (GameTime 81221)	3,871.72	605.72
11 68 13 00-2322	EA	5'-0" Peek-A-Boo-Smoke (GameTime 81222)	4,154.60	649.82
11 68 13 00-2323	EA	6'-0" Peek-A-Boo-Smoke (GameTime 81223)	4,437.48	693.37
11 68 13 00-2324	EA	4'-0" Quick 'L' Tube Slide (GameTime 81224)	2,625.82	410.88
11 68 13 00-2325	EA	5'-0" Quick 'L' Tube Slide (GameTime 81225)	2,989.58	467.83
11 68 13 00-2326	EA	6'-0" Quick 'L' Tube Slide (GameTime 81226)	3,353.33	524.77
11 68 13 00-2327	EA	8' Quick 'L'Tube Slide (GameTime 81227)	4,155.96	649.82
11 68 13 00-2328	EA	8' Quick 'L'Tube Slide Clear (GameTime 81228)	5,456.35	853.03
11 68 13 00-2329	EA	8' Quick 'L'Tube Slide Smoke (GameTime 81229)	5,456.35	853.03
11 68 13 00-2330	EA	4'-0"'L'Tube Slide (GameTime 81230)	2,769.29	433.21
11 68 13 00-2331	EA	5'-0"'L'Tube Slide (GameTime 81231)	3,048.11	477.32
11 68 13 00-2332	EA	6'-0"'L'Tube Slide (GameTime 81232)	3,325.23	519.18
11 68 13 00-2333	EA	4'-0" Peek-A-Boo Clear (GameTime 81233)	3,983.04	621.91
11 68 13 00-2334	EA	5'-0" Peek-A-Boo Clear (GameTime 81234)	4,331.57	677.18

11 68 13 00-2335 Playground Equipment (GameTime Models 81235 To 81652) *(11 68 13 00-1289)*

11 68 13 00-2336	EA	6'-0" Peek-A-Boo Clear (GameTime 81235)	4,678.75	732.45
11 68 13 00-2337	EA	4'-0" Peek-A-Boo Smoke (GameTime 81236)	4,052.75	633.08
11 68 13 00-2338	EA	5'-0" Peek-A-Boo Smoke (GameTime 81237)	4,338.69	678.85
11 68 13 00-2339	EA	6'-0" Peek-A-Boo Smoke (GameTime 81238)	4,621.57	722.96
11 68 13 00-2340	EA	5' Quick ' S' Tube Slide (GameTime 81239)	3,109.36	486.26
11 68 13 00-2341	EA	6' Quick ' S' Tube Slide (GameTime 81240)	3,506.61	548.77
11 68 13 00-2342	EA	4' ' S' Tube Slide (GameTime 81241)	2,890.42	451.64
11 68 13 00-2343	EA	5' ' S' Tube Slide (GameTime 81242)	3,226.43	504.68
11 68 13 00-2344	EA	6' ' S' Tube Slide (GameTime 81243)	3,558.04	556.03
11 68 13 00-2345	EA	5' ' S' Peek-A-Boo Clear (GameTime 81244)	4,426.32	691.70
11 68 13 00-2346	EA	6' ' S' Peek-A-Boo Clear (GameTime 81245)	4,706.51	735.80
11 68 13 00-2347	EA	5' ' S' Peek-A-Boo Smoke (GameTime 1246)	4,507.19	704.53
11 68 13 00-2348	EA	6' ' S' Peek-A-Boo Smoke (GameTime 81247)	4,964.35	775.99
11 68 13 00-2349	EA	Spiral Tube Slide (GameTime 81248)	4,496.03	702.86
11 68 13 00-2350	EA	120 Degree Tube Slide (GameTime 81249)	3,499.50	547.10
11 68 13 00-2351	EA	2'-0" Straight Tube Slide (GameTime 81250)	2,077.98	324.91
11 68 13 00-2352	EA	3'-0" Straight Tube Slide (GameTime 81251)	2,372.03	370.69
11 68 13 00-2353	EA	4'-0" Straight Tube Slide (GameTime 81252)	2,666.08	416.47
11 68 13 00-2354	EA	5'-0" Straight Tube Slide (GameTime 81253)	2,960.13	462.24
11 68 13 00-2355	EA	6'-0" Straight Tube Slide (GameTime 81254)	3,259.94	510.26
11 68 13 00-2356	EA	Wiggle Slide (GameTime 81255)	4,671.64	730.21
11 68 13 00-2357	EA	Flip Slide (GameTime 81265)	2,526.66	394.70
11 68 13 00-2358	EA	Flip Slide With Tunnel (GameTime 81266)	2,819.37	440.47
11 68 13 00-2359	EA	Flip Slide With Hood (GameTime 81267)	2,531.08	396.37
11 68 13 00-2360	EA	Wishbone Slide (GameTime 81268)	4,530.88	708.44
11 68 13 00-2361	EA	Wildslide Exit Section (GameTime 81274)	930.87	145.15
11 68 13 00-2362	EA	Wildslide Straight Section (GameTime 81275)	437.52	68.11
11 68 13 00-2363	EA	Wildslide Left Curve (GameTime 81276)	437.52	68.11
11 68 13 00-2364	EA	Wildslide Right Curve (GameTime 81277)	437.52	68.11
11 68 13 00-2365	EA	Wildslide 3' Support (GameTime 81278)	176.97	27.35
11 68 13 00-2366	EA	Wildslide 4' Support (GameTime 81279)	202.01	31.26
11 68 13 00-2367	EA	Little Foot Slide (GameTime 81286)	1,326.77	207.12
11 68 13 00-2368	EA	Little Foot With Hood (GameTime 81287)	1,349.11	211.03
11 68 13 00-2369	EA	3'-0" S.S. Straight Chuter (GameTime 81288)	2,097.60	328.26
11 68 13 00-2370	EA	4'-0" S.S. Straight Chuter (GameTime 81289)	2,356.81	369.01
11 68 13 00-2371	EA	5'-0" S.S. Straight Chuter (GameTime 81290)	2,616.00	409.21
11 68 13 00-2372	EA	6'-0" S.S. Straight Chuter (GameTime 81291)	2,875.19	449.41
11 68 13 00-2373	EA	7'-0" S.S. Straight Chuter (GameTime 81292)	3,134.39	490.16
11 68 13 00-2374	EA	8'-0" S.S. Straight Chuter (GameTime 81293)	3,393.59	530.35
11 68 13 00-2375	EA	3'-0" S.S. Double Chuter (GameTime 81294)	3,251.47	508.02
11 68 13 00-2376	EA	4'-0" S.S. Double Chuter (GameTime 81295)	3,640.26	568.88
11 68 13 00-2377	EA	5'-0" S.S. Double Chuter (GameTime 81296)	4,122.45	644.24
11 68 13 00-2378	EA	6'-0" S.S. Double Chuter (GameTime 81297)	4,604.64	719.60
11 68 13 00-2379	EA	7'-0" S.S. Double Chuter (GameTime 81298)	5,089.89	796.65
11 68 13 00-2380	EA	8'-0" S.S. Double Chuter (GameTime 81299)	5,572.07	871.46
11 68 13 00-2381	EA	Bigfoot Slide (GameTime 81300)	6,593.63	1,031.12
11 68 13 00-2382	EA	6'-0" Rockslide (GameTime 81301)	6,950.29	1,086.39
11 68 13 00-2383	EA	7'-0" Rockslide (GameTime 81303)	6,950.29	1,086.39
11 68 13 00-2384	EA	8'-0" Rockslide (GameTime 81305)	6,950.29	1,086.39
11 68 13 00-2385	EA	4'-0" S.S. Spiral Slide (GameTime 81311)	20,820.37	3,255.26
11 68 13 00-2386	EA	5'-0" S.S. Spiral Slide (GameTime 81312)	20,866.47	3,262.51
11 68 13 00-2387	EA	6'-0" S.S. Spiral Slide (GameTime 81313)	20,912.47	3,269.77
11 68 13 00-2388	EA	Sky-Hi Spiral Tube Slide (GameTime 81314)	4,667.59	730.21
11 68 13 00-2389	EA	Sky-Hi Spiral P-A-B Clear (GameTime 81315)	6,303.64	985.35
11 68 13 00-2390	EA	Sky-Hi Spiral P-A-B Smoke (GameTime 81316)	6,303.64	985.35
11 68 13 00-2391	EA	8' Straight Tube Slide (GameTime 81317)	4,071.03	636.98
11 68 13 00-2392	EA	8' Straight P-A-B-Clear (GameTime 81318)	5,480.02	856.94
11 68 13 00-2393	EA	8' Straight P-A-B-Smoke (GameTime 81319)	5,480.02	856.94
11 68 13 00-2394	EA	4' F5 Slide Attachment (GameTime 81320)	6,380.46	998.18
11 68 13 00-2395	EA	5'-0" F5 Spiral Slide (GameTime 81321)	6,162.87	963.57
11 68 13 00-2396	EA	6' F5 Slide Attachment (GameTime 81322)	5,946.99	930.63
11 68 13 00-2397	EA	1' Wildslide Exit Section (GameTime 81323)	670.33	104.40
11 68 13 00-2398	EA	Wildslide 135 Degree Section (GameTime 81324)	694.02	108.30
11 68 13 00-2399	EA	Wildslide Entrance Section (GameTime 81325)	1,188.71	185.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2400	EA	Wildslide Double Entrance Section (GameTime 81326)	3,082.97	482.35
11 68 13 00-2401	EA	4'-6" F5 Spiral Slide (GameTime 81327)	6,380.46	998.18
11 68 13 00-2402	EA	5'-6" F5 Spiral Slide (GameTime 81328)	6,162.87	963.57
11 68 13 00-2403	EA	Double Over-N-Under Wildslide (GameTime 81329)	7,463.27	1,167.33
11 68 13 00-2404	EA	Wilderslide Outrigger (GameTime 81330)	214.53	32.94
11 68 13 00-2405	EA	4'-0" F5 Spiral Slide (GameTime 81331)	5,946.99	930.63
11 68 13 00-2406	EA	4'-6" F5 Spiral Slide (GameTime 81332)	5,946.99	930.63
11 68 13 00-2407	EA	5'-0" F5 Spiral Slide (GameTime 81333)	5,729.41	895.46
11 68 13 00-2408	EA	5'-6" F5 Spiral Slide (GameTime 81334)	5,729.41	895.46
11 68 13 00-2409	EA	6'-0" F5 Spiral Slide (GameTime 81335)	5,514.88	862.53
11 68 13 00-2410	EA	4' Zip Slide (GameTime 81337)	1,808.96	282.48
11 68 13 00-2411	EA	5' Zip Slide (GameTime 81338)	1,983.23	310.39
11 68 13 00-2412	EA	6' Wave Zip Slide (GameTime 81339)	2,214.69	346.68
11 68 13 00-2413	EA	Rumble Slide With Metal Enclosure (GameTime 81340)	2,348.34	366.78
11 68 13 00-2414	EA	Double Slide With Metal Enclosure (GameTime 81341)	2,498.92	390.79
11 68 13 00-2415	EA	6' Dueling Wave Zip Slide (GameTime 81342)	2,829.18	442.15
11 68 13 00-2416	EA	4' Double Zip Slide (GameTime 81343)	2,331.77	365.11
11 68 13 00-2417	EA	5' Double Zip Slide (GameTime 81344)	2,618.71	409.21
11 68 13 00-2418	EA	7' Double Zip Slide (GameTime 81345)	3,945.48	616.32
11 68 13 00-2419	EA	3' Wave Zip Slide (GameTime 81346)	1,337.94	209.35
11 68 13 00-2420	EA	3' Curved Zip Slide (GameTime 81347)	1,443.86	225.54
11 68 13 00-2421	EA	3' Rumble And Roll Zip Slide (GameTime 81348)	1,914.88	299.23
11 68 13 00-2422	EA	Zip Slide - 7'-6", 8'-0" (GameTime 81349)	3,015.96	471.74
11 68 13 00-2423	EA	Zip Slide With Gizmos - 7'-6", 8'-0" (GameTime 81350)	4,022.30	629.17
11 68 13 00-2424	EA	2' And 3' Climbing Pole (GameTime 81451)	1,093.98	170.83
11 68 13 00-2425	EA	4' And 5' Climbing Pole (GameTime 81452)	1,103.79	172.50
11 68 13 00-2426	EA	6' Climbing Pole (GameTime 81453)	1,280.76	199.86
11 68 13 00-2427	EA	2'-6" And 3-6" Climbing Pole (GameTime 81454)	1,001.94	155.76
11 68 13 00-2428	EA	2'-0" Oset Horizontal Ladder (GameTime 81460)	1,349.11	211.03
11 68 13 00-2429	EA	2'-6" Oset Horizontal Ladder (GameTime 81461)	1,416.12	222.19
11 68 13 00-2430	EA	3'-0" Oset Horizontal Ladder (GameTime 81462)	1,480.06	231.12
11 68 13 00-2431	EA	Oset Horizontal Ladder Link (GameTime 81463)	993.82	155.76
11 68 13 00-2432	EA	SHorizontal Ladder 1'-6" Attachment (GameTime 81464)	1,201.24	187.02
11 68 13 00-2433	EA	SHorizontal Ladder 2'-0" Attachment (GameTime 81465)	1,264.19	198.18
11 68 13 00-2434	EA	SHorizontal Ladder 2'-6" Attachment (GameTime 81466)	1,324.07	207.12
11 68 13 00-2435	EA	SHorizontal Ladder 3'-0" Attachment (GameTime 81467)	1,383.97	216.61
11 68 13 00-2436	EA	SHorizontal Ladder Link (GameTime 81468)	801.27	125.06
11 68 13 00-2437	EA	1'-6" Horizontal Loop Attachment 98" (GameTime 81469)	1,193.12	187.02
11 68 13 00-2438	EA	2'-0" Horizontal Loop Attachment 98" (GameTime 81470)	1,216.81	190.92
11 68 13 00-2439	EA	2'-6" Horizontal Loop Attachment 98" (GameTime 81471)	1,240.50	194.28
11 68 13 00-2440	EA	3'-0" Horizontal Loop Attachment 98" (GameTime 81472)	1,264.19	198.18
11 68 13 00-2441	EA	Horizontal Ladder Link 98" (GameTime 81473)	770.83	121.15
11 68 13 00-2442	EA	2'-6" Horizontal Loop Attachment 147" (GameTime 81476)	1,420.17	222.19
11 68 13 00-2443	EA	3'-0" Horizontal Loop Attachment 147" (GameTime 81477)	1,443.86	225.54
11 68 13 00-2444	EA	Horizontal Ladder Link 147" (GameTime 81478)	949.15	148.50
11 68 13 00-2445	EA	1'-6" 90 Degree Loop Ladder (GameTime 81479)	1,280.76	199.86
11 68 13 00-2446	EA	2'-0" 90 Degree Loop Ladder (GameTime 81480)	1,339.29	209.35
11 68 13 00-2447	EA	2'-6" 90 Degree Loop Ladder (GameTime 81481)	1,397.84	218.29
11 68 13 00-2448	EA	3'-0" 90 Degree Loop Ladder (GameTime 81482)	1,456.38	227.77
11 68 13 00-2449	EA	90 Degree Loop Ladder Link (GameTime 81483)	865.57	135.65
11 68 13 00-2450	EA	1'-6" Loop Ladder Attachment 98" (GameTime 81484)	1,325.42	207.12
11 68 13 00-2451	EA	2'-0" Loop Ladder Attachment 98" (GameTime 81485)	1,347.76	211.03
11 68 13 00-2452	EA	2'-6" Loop Ladder Attachment 98" (GameTime 81486)	1,370.09	214.94
11 68 13 00-2453	EA	3'-0" Loop Ladder Attachment 98" (GameTime 81487)	1,392.43	218.29
11 68 13 00-2454	EA	SHorizontal Loop Ladder Link 98 (GameTime 81488)	880.79	137.89
11 68 13 00-2455	EA	1'-6" Rev Loop Ladder 98" (GameTime 81489)	1,265.54	198.18
11 68 13 00-2456	EA	2'-0" Rev Loop Ladder 98" (GameTime 81490)	1,316.96	205.44
11 68 13 00-2457	EA	2'-6" Rev Loop Ladder 98" (GameTime 81491)	1,371.44	214.94
11 68 13 00-2458	EA	3'-0" Rev Loop Ladder 98" (GameTime 81492)	1,422.88	222.19
11 68 13 00-2459	EA	Rev ' S' Loop Ladder Link 98" (GameTime 81493)	918.35	142.91
11 68 13 00-2460	EA	2'-0" Loop Climb Attachment Rev (GameTime 81495)	2,981.11	466.15
11 68 13 00-2461	EA	3'-0" Loop Climb Attachment Rev (GameTime 81497)	3,059.27	479.00
11 68 13 00-2462	EA	1'-6"/2'-0" Loop Climb Rev (GameTime 81498)	2,485.05	389.11
11 68 13 00-2463	EA	2'-6"/3'-0" Loop Climb Rev (GameTime 81499)	2,508.74	392.46
11 68 13 00-2464	EA	2'-0" Loop Space Climb Attachment (GameTime 81501)	2,972.65	464.48
11 68 13 00-2465	EA	3'-0" Loop Space Climb Attachment (GameTime 81503)	3,085.67	482.35
11 68 13 00-2466	EA	1'-6"/2'-0" Loop Space Link (GameTime 81504)	2,485.05	389.11
11 68 13 00-2467	EA	2'-6"/3'-0" Loop Space Link (GameTime 81505)	2,476.59	387.44
11 68 13 00-2468	EA	1'-6" Horizontal Loop Attachment 98" (GameTime 81506)	1,258.42	196.51
11 68 13 00-2469	EA	2'-0" Horizontal Loop Attachment 98" (GameTime 81507)	1,316.96	205.44
11 68 13 00-2470	EA	2'-6" Horizontal Loop Attachment 98" (GameTime 81508)	1,375.50	214.94
11 68 13 00-2471	EA	3'-0" Horizontal Loop Attachment 98" (GameTime 81509)	1,434.05	223.86
11 68 13 00-2472	EA	Horizontal Loop Ladder Link 98" Link (GameTime 81510)	844.60	132.31
11 68 13 00-2473	EA	3'-0" Horizontal Loop Attachment 147" (GameTime 81514)	1,675.31	262.38
11 68 13 00-2474	EA	Horizontal Loop Ladder Link 147" (GameTime 81515)	1,059.12	165.24
11 68 13 00-2475	EA	1'-6" Horizontal Rail Attachment 98" (GameTime 81516)	1,011.74	157.99
11 68 13 00-2476	EA	2'-0" Horizontal Rail Attachment 98" (GameTime 81517)	1,035.43	161.34
11 68 13 00-2477	EA	2'-6" Horizontal Rail Attachment 98" (GameTime 81518)	1,059.12	165.24
11 68 13 00-2478	EA	3'-0" Horizontal Rail Attachment 98" (GameTime 81519)	1,082.81	168.59
11 68 13 00-2479	EA	Horizontal Rail Link 98" (GameTime 81520)	622.95	97.14
11 68 13 00-2480	EA	1'-6" Horizontal Rail Attachment 147" (GameTime 81521)	1,183.31	185.35
11 68 13 00-2481	EA	2'-0" Horizontal Rail Attachment 147" (GameTime 81522)	1,207.00	189.25
11 68 13 00-2482	EA	2'-6" Horizontal Rail Attachment 147" (GameTime 81523)	1,230.68	192.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2483	EA	3'-0" Horizontal Rail Attachment 147" (GameTime 81524)	1,254.37	196.51
11 68 13 00-2484	EA	Horizontal Rail Link 147" (GameTime 81525)	790.11	122.82
11 68 13 00-2485	EA	1'-6" Overhead Tree Climb (GameTime 81526)	1,224.92	190.92
11 68 13 00-2486	EA	2'-0" Overhead Tree Climb (GameTime 81527)	1,278.06	199.86
11 68 13 00-2487	EA	2'-6" Overhead Tree Climb (GameTime 81528)	1,328.12	207.12
11 68 13 00-2488	EA	3'-0" Overhead Tree Climb (GameTime 81529)	1,381.26	216.61
11 68 13 00-2489	EA	Overhead Tree Climber Link (GameTime 81530)	770.83	121.15
11 68 13 00-2490	EA	1'-6" Skywheel Attachment (GameTime 81531)	2,419.40	377.94
11 68 13 00-2491	EA	2'-0" Skywheel Attachment (GameTime 81532)	2,480.65	387.44
11 68 13 00-2492	EA	2'-6" Skywheel Attachment (GameTime 81533)	2,544.94	398.05
11 68 13 00-2493	EA	3'-0" Skywheel Attachment (GameTime 81534)	2,606.18	407.53
11 68 13 00-2494	EA	Skywheel Link (GameTime 81535)	1,984.58	310.39
11 68 13 00-2495	EA	1'-6" Swing-N-Sway Attachment (GameTime 81536)	2,641.04	413.12
11 68 13 00-2496	EA	2'-0" Swing-N-Sway Attachment (GameTime 81537)	2,663.38	416.47
11 68 13 00-2497	EA	2'-6" Swing-N-Sway Attachment (GameTime 81538)	2,685.71	420.38
11 68 13 00-2498	EA	3'-0" Swing-N-Sway Attachment (GameTime 81539)	2,708.04	423.73
11 68 13 00-2499	EA	Swing-N-Sway Link (GameTime 81540)	2,195.06	343.33
11 68 13 00-2500	EA	1'-6" Trapeze Bar Attachment (GameTime 81541)	2,526.66	394.70
11 68 13 00-2501	EA	2'-0" Trapeze Bar Attachment (GameTime 81542)	2,550.35	398.05
11 68 13 00-2502	EA	2'-6" Trapeze Bar Attachment (GameTime 81543)	2,574.03	401.95
11 68 13 00-2503	EA	3'-0" Trapeze Bar Attachment (GameTime 81544)	2,597.72	405.30
11 68 13 00-2504	EA	Trapeze Bar Link (GameTime 81545)	2,218.74	346.68
11 68 13 00-2505	EA	3'-0" 90 Degree Trapeze Ring (GameTime 81550)	1,406.30	219.96
11 68 13 00-2506	EA	1'-6" Trap Ring Attachment 98" (GameTime 81551)	1,726.74	269.64
11 68 13 00-2507	EA	2'-0" Trap Ring Attachment 98" (GameTime 81552)	1,792.39	280.80
11 68 13 00-2508	EA	2'-6" Trap Ring Attachment 98" (GameTime 81553)	1,854.99	289.74
11 68 13 00-2509	EA	3'-0" Trap Ring Attachment 98" (GameTime 81554)	1,920.64	300.91
11 68 13 00-2510	EA	Single Trapeze Link 98" (GameTime 81555)	1,326.77	207.12
11 68 13 00-2511	EA	1'-6" Trap Ring Attachment 98" (GameTime 81556)	2,596.36	405.30
11 68 13 00-2512	EA	2'-0" Trap Ring Attachment 98" (GameTime 81557)	2,660.68	416.47
11 68 13 00-2513	EA	2'-6" Trap Ring Attachment 98" (GameTime 81558)	2,721.91	425.95
11 68 13 00-2514	EA	3'-0" Trap Ring Attachment 98" (GameTime 81559)	2,783.15	434.89
11 68 13 00-2515	EA	Double Trapeze Link 98" (GameTime 81560)	2,218.74	346.68
11 68 13 00-2516	EA	2'-0" "S" Trapeze Ladder (GameTime 81562)	2,262.06	353.94
11 68 13 00-2517	EA	3'-0" "S" Trapeze Ladder (GameTime 81564)	2,383.20	372.36
11 68 13 00-2518	EA	S Trapeze Ladder Link (GameTime 81565)	1,749.08	273.55
11 68 13 00-2519	EA	2'-0" Wild Goose Trapeze (GameTime 81567)	2,689.77	420.38
11 68 13 00-2520	EA	3'-0" Wild Goose Trapeze (GameTime 81569)	2,813.96	440.47
11 68 13 00-2521	EA	1'-6" Wild Goose Loop Ladder Attachment (GameTime 81570)	1,817.43	284.16
11 68 13 00-2522	EA	2'-0" Wild Goose Loop Ladder Attachment (GameTime 81571)	1,875.97	293.65
11 68 13 00-2523	EA	2'-6" Wild Goose Loop Ladder Attachment (GameTime 81572)	1,934.51	302.58
11 68 13 00-2524	EA	3'-0" Wild Goose Loop Ladder Attachment (GameTime 81573)	1,993.05	312.07
11 68 13 00-2525	EA	Criss-Cross Loop Ladder (GameTime 81574)	2,098.95	328.26
11 68 13 00-2526	EA	1'-6"/2' Wild Goose Trap (GameTime 81579)	5,847.84	913.88
11 68 13 00-2527	EA	2'-6"/3' Wild Goose Trap (GameTime 81580)	5,914.85	925.05
11 68 13 00-2528	EA	1'-6" And 2' Wild Goose Loop Link (GameTime 81581)	7,670.14	734.12
11 68 13 00-2529	EA	2'-6" And 3' Wild Goose Loop Link (GameTime 81582)	7,776.01	745.29
11 68 13 00-2530	EA	Single Sky Bridge Loop Climb (GameTime 81583)	783.35	122.82
11 68 13 00-2531	EA	Single Sky Bridge Trapeze (GameTime 81584)	1,411.71	219.96
11 68 13 00-2532	EA	Skywheel Attachment (GameTime 81587)	1,372.80	214.94
11 68 13 00-2533	EA	Dip Station (GameTime 81651)	543.43	84.30
11 68 13 00-2534	EA	Ship's Bow (GameTime 81652)	2,886.36	451.64
11 68 13 00-2535		**Playground Equipment (GameTime Models >81654)** *(11 68 13 00-1289)*		
11 68 13 00-2536	EA	Cargo Net Wall - Single (Game Time 81654)	985.36	154.08
11 68 13 00-2537	EA	Cargo Net Wall - Double (Game Time 81655)	1,770.05	276.90
11 68 13 00-2538	EA	1-Level Chin Bar (GameTime 81656)	224.35	34.61
11 68 13 00-2539	EA	2-Level Chin Bar (GameTime 81657)	448.68	69.79
11 68 13 00-2540	EA	3-Level Chin Bar (GameTime 81658)	673.04	104.40
11 68 13 00-2541	EA	Climbing Wall (GameTime 81659)	443.27	69.79
11 68 13 00-2542	EA	Track Ride 3 - Deck Span (GameTime 81660)	2,703.63	422.05
11 68 13 00-2543	EA	Track Ride 4 - Deck Span (GameTime 81661)	3,027.12	473.41
11 68 13 00-2544	EA	Wallcano Bench (GameTime 81663)	1,217.29	179.76
11 68 13 00-2545	EA	Crunch Bar (GameTime 81670)	160.51	15.30
11 68 13 00-2546	EA	2-5 Age Appropriate Sign (GameTime 81671)	200.66	31.26
11 68 13 00-2547	EA	5-12 Age Appropriate Sign (GameTime 81672)	200.66	31.26
11 68 13 00-2548	EA	2-5 Age Sign (Spanish) (GameTime 81673)	200.66	31.26
11 68 13 00-2549	EA	5-12 Age Sign (Spanish) (GameTime 81674)	200.66	31.26
11 68 13 00-2550	EA	6" To 2'-0" Talk Tube (GameTime 81675)	797.22	125.06
11 68 13 00-2551	EA	2'-6" To 3'-6" Talk Tube (GameTime 81676)	847.30	132.31
11 68 13 00-2552	EA	4'-0" To 5'-0" Talk Tube (GameTime 81677)	900.42	141.24
11 68 13 00-2553	EA	5'-6" To 7'-6" Talk Tube (GameTime 81678)	950.50	148.50
11 68 13 00-2554	EA	Ground Level Talk Tube (GameTime 81679)	635.48	98.82
11 68 13 00-2555	EA	Single Seat (GameTime 81680)	337.37	53.03
11 68 13 00-2556	EA	Turning Bar (GameTime 81681)	335.15	34.28
11 68 13 00-2557	EA	Telescope Upright Attachment (GameTime 81684)	1,070.28	166.92
11 68 13 00-2558	EA	Kaleidoscope Upright Attachment (GameTime 81685)	1,047.95	163.57
11 68 13 00-2559	EA	Therapeutic Rings Attachment (GameTime 81688)	484.89	75.36
11 68 13 00-2560	EA	Upper Body Trainer (GameTime 81690)	1,675.31	262.38
11 68 13 00-2561	EA	Single Steering Wheel (GameTime 81691)	449.80	42.82
11 68 13 00-2562	EA	Xcelerator Attachment (GameTime 81692)	2,475.24	387.44
11 68 13 00-2563	EA	Train Whistle (GameTime 81695)	950.50	148.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2564	EA	Crunch Bar (PS 2-5) (GameTime 81696)	160.51	15.30
11 68 13 00-2565	EA	Upper Body Trainer (GameTime 81701)	3,247.03	479.00
11 68 13 00-2566	EA	Skywheel (GameTime 81705)	2,461.16	363.44
11 68 13 00-2567	EA	Therapeutic Rings (GameTime 81707)	1,208.39	178.09
11 68 13 00-2568	EA	Bigfoot Slide (GameTime 81713)	11,397.11	1,680.94
11 68 13 00-2569	EA	Cargo Net Wall, Single (GameTime 81720)	1,720.97	253.45
11 68 13 00-2570	EA	Cargo Net Wall, Double (GameTime 81721)	2,486.27	366.78
11 68 13 00-2571	EA	Dragon Slide (GameTime 81722)	11,061.76	1,631.26
11 68 13 00-2572	EA	S.S. Spiral Without Arch (GameTime 81729)	26,583.99	3,584.07
11 68 13 00-2573	EA	S.S. Spiral With Arch (GameTime 81730)	27,430.63	3,697.41
11 68 13 00-2574	EA	Rockslide Without Arch (GameTime 81731)	11,210.50	1,653.59
11 68 13 00-2575	EA	Rockslide With Arch (GameTime 81732)	12,441.58	1,835.03
11 68 13 00-2576	EA	F5 Slide Without Arch (GameTime 81733)	10,074.99	1,486.11
11 68 13 00-2577	EA	F5 Slide With Arch (GameTime 81734)	10,989.34	1,620.09
11 68 13 00-2578	EA	Track Ride 3 - Deck (GameTime 81736)	4,575.14	675.50
11 68 13 00-2579	EA	Track Ride 4 - Deck (GameTime 81737)	5,162.08	726.86
11 68 13 00-2580	EA	8' Zip Slide (GameTime 81738)	7,926.06	1,067.97
11 68 13 00-2581	EA	8' Zip Slide With Gizmo (GameTime 81739)	8,632.48	1,163.43
11 68 13 00-2582	EA	Log Roll (GameTime 81740)	1,738.77	256.80
11 68 13 00-2583	EA	Swivel Meister (GameTime 81741)	2,266.10	333.85
11 68 13 00-2584	EA	Swivel Meister (GameTime 81742)	1,152.52	179.76
11 68 13 00-2585	EA	Log Roll (GameTime 81743)	1,174.84	183.67
11 68 13 00-2586	EA	7' Double Wave Zip Slide (GameTime 81744)	8,573.88	1,156.17
11 68 13 00-2587	EA	Geo-Textile 2250 SF Roll (GameTime 161290)	758.59	109.98
11 68 13 00-2588	EA	Geo-Textile 1125 SF Roll (GameTime 161291)	379.30	55.27
11 68 13 00-2589	EA	Wear Mat 44" X 48" (GameTime 161292)	216.74	31.26
11 68 13 00-2590	EA	Terraflow Drain 75' Roll (GameTime 161293)	188.15	27.35
11 68 13 00-2591	EA	Terraflow Drain 150' Roll (GameTime 161294)	371.75	53.03

11 68 13 00-2592 Playground Equipment (GameTime Models) *(11 68 13 00-1289)*

11 68 13 00-2593	EA	Hex Topper (GameTime 32009)	186.96	17.87
11 68 13 00-2594	EA	Crag Climber (GameTime 32010)	3,088.51	294.21
11 68 13 00-2595	EA	Stego Rail (Compact) (GameTime 32019)	622.65	59.18
11 68 13 00-2596	EA	Ziggy Rail (Compact) (GameTime 32020)	506.22	48.01
11 68 13 00-2597	EA	Hex Pod Step (1') (GameTime 32022)	1,038.91	98.82
11 68 13 00-2598	EA	Hex Pod Step (2') (GameTime 32023)	1,132.39	107.75
11 68 13 00-2599	EA	Ergo Climbing Link (GameTime 32026)	6,238.75	593.99
11 68 13 00-2600	EA	Rock Climber (Right Side) (GameTime 32028)	4,818.85	458.89
11 68 13 00-2601	EA	Vessel (2-Way) (GameTime 32030)	6,522.74	621.35
11 68 13 00-2602	EA	Vessel (3-Way) (GameTime 32031)	6,231.70	593.43
11 68 13 00-2603	EA	Erratic Link With Hex Net (GameTime 32039)	7,674.53	730.77
11 68 13 00-2604	EA	U-Frame With Hex Net (Left Connection) (GameTime 32045)	5,034.04	479.55
11 68 13 00-2605	EA	The Hive (1-Way) (GameTime 32049)	11,891.90	1,132.72
11 68 13 00-2606	EA	Helix Tower With Shad Can2/Cat Slid (GameTime 32057)	33,107.53	3,153.65
11 68 13 00-2607	EA	Helix Tower With Shad Can2/Cat Slide (GameTime 32058)	37,289.63	3,552.26
11 68 13 00-2608	EA	Helix Tower With Shad Can3/Cat Slide (GameTime 32059)	32,805.91	3,125.18
11 68 13 00-2609	EA	Helix Tower With Shad Can And Cat Slide (GameTime 32069)	36,421.82	3,469.64
11 68 13 00-2610	EA	Trinet (Lg) With Ps Connect And Socket (GameTime 32071)	33,121.65	3,154.77
11 68 13 00-2611	EA	Trinet (Small) With Twisted Net (GameTime 32089)	16,876.55	1,607.81
11 68 13 00-2612	EA	Trinet (Medium) With Twisted Net (GameTime 32090)	29,100.62	2,771.79
11 68 13 00-2613	EA	Trinet (Large) With Twisted Net (GameTime 32091)	31,255.49	2,977.24
11 68 13 00-2614	EA	Trinet (Large) With Ps Connection And Twisted Net (GameTime 32092)	31,442.47	2,995.10
11 68 13 00-2615	EA	Twisted Net (GameTime 32098)	6,789.06	646.48
11 68 13 00-2616	EA	Trinet (Medium) With Twisted Net (GameTime 32099)	29,294.09	2,790.22
11 68 13 00-2617	EA	Sail Climbing Wall (GameTime 36004)	2,217.16	211.03
11 68 13 00-2618	EA	Rock Climbing Wall (GameTime 36008)	3,993.36	380.18
11 68 13 00-2619	EA	Arched Chain Net Link (GameTime 36014)	2,176.60	207.12
11 68 13 00-2620	EA	Pod Rocker (GameTime 36015)	1,541.61	146.82
11 68 13 00-2621	EA	Wide End Balance Beam (GameTime 36018)	2,358.27	224.42
11 68 13 00-2622	EA	4 Way X-Pod Step (GameTime 36025)	2,255.96	214.94
11 68 13 00-2623	EA	Single Link Cross Beam Primetime 36 (GameTime 36031)	292.80	27.92
11 68 13 00-2624	EA	Bongos (GameTime 36064)	971.89	92.67
11 68 13 00-2625	EA	Nature Bench (GameTime 38043)	2,896.99	275.78
11 68 13 00-2626	EA	Chrysalis Spinner (GameTime 38045)	7,653.82	729.10
11 68 13 00-2627	EA	Tree Swing (GameTime 38115)	13,890.12	1,323.09
11 68 13 00-2628	EA	Flower Talk Tube (GameTime 38217)	1,101.48	104.95
11 68 13 00-2629	EA	Flower With Blue Petals (GameTime 38221)	1,055.83	100.49
11 68 13 00-2630	EA	Flower With Red Petals (GameTime 38222)	1,055.83	100.49
11 68 13 00-2631	EA	Log Balance Beam (GameTime 38230)	4,742.82	451.64
11 68 13 00-2632	EA	Forked Balance Beam (GameTime 38233)	6,821.89	649.82
11 68 13 00-2633	EA	12"Stepped Platform (GameTime 80729)	2,675.76	255.12
11 68 13 00-2634	EA	Crawl-Thru Panel (GameTime 80942)	825.48	78.71
11 68 13 00-2635	EA	Single Thunderring (GameTime 81664)	541.51	51.36
11 68 13 00-2636	EA	Fun Seat (GameTime 81666)	495.57	47.46
11 68 13 00-2637	EA	Nature Discovery Table (GameTime 81668)	2,716.34	258.47
11 68 13 00-2638	EA	Bongos (GameTime 81699)	377.70	35.73
11 68 13 00-2639	EA	4' Transfer Platform With Guardrail (GameTime 90033)	4,942.32	470.62
11 68 13 00-2640	EA	4' Bubble Climber (GameTime 90042)	843.12	80.39
11 68 13 00-2641	EA	5'-6" Rockscape Climber (GameTime 90094)	6,496.28	618.56
11 68 13 00-2642	EA	3'-6"/4' Schooner Climber (GameTime 90105)	679.08	64.76
11 68 13 00-2643	EA	7'-6"x 8' Schooner Climber (GameTime 90109)	1,014.22	96.58
11 68 13 00-2644	EA	8' Vertical Wall Climber (GameTime 90139)	3,525.94	336.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2645	EA	4'-6"/5' Corner Vine Climber Reverse (GameTime 90147)	2,823.89	269.08
11 68 13 00-2646	EA	5'/6' Double Vine Climber (GameTime 90151)	6,810.46	648.70
11 68 13 00-2647	EA	3'/5' Web Tail (GameTime 90160)	2,134.40	203.21
11 68 13 00-2648	EA	Ashiko And Djembe Panel (GameTime 90186)	1,790.31	170.27
11 68 13 00-2649	EA	2-6"/3' Single Curved Zip Slide (GameTime 90193)	2,337.10	222.75
11 68 13 00-2650	EA	4' Upright, Aluminum Assembly (GameTime 90262)	312.19	29.59
11 68 13 00-2651	EA	4' Upright, Galvanized Assembly (GameTime G90262)	298.09	28.48
11 68 13 00-2652	EA	5' Upright, Aluminum Assembly (GameTime 90263)	372.18	35.73
11 68 13 00-2653	EA	5' Upright, Galvanized Assembly (GameTime G90263)	356.31	34.05
11 68 13 00-2654	EA	6' Upright, Aluminum Assembly (GameTime 90264)	432.14	41.31
11 68 13 00-2655	EA	6' Upright, Galvanized Assembly (GameTime G90264)	414.50	39.64
11 68 13 00-2656	EA	7' Upright, Aluminum Assembly (GameTime 90265)	492.12	46.90
11 68 13 00-2657	EA	7' Upright, Galvanized Assembly (GameTime G90265)	472.72	45.22
11 68 13 00-2658	EA	8' Upright, Aluminum Assembly (GameTime 90266)	552.10	52.48
11 68 13 00-2659	EA	8' Upright, Galvanized Assembly (GameTime G90266)	530.92	50.81
11 68 13 00-2660	EA	9' Upright, Aluminum Assembly (GameTime 90267)	612.06	58.06
11 68 13 00-2661	EA	9' Upright, Galvanized Assembly (GameTime G90267)	589.12	56.38
11 68 13 00-2662	EA	10' Upright, Aluminum Assembly (GameTime 90268)	672.18	64.20
11 68 13 00-2663	EA	10' Upright, Galvanized Assembly (GameTime G90268)	647.33	61.40
11 68 13 00-2664	EA	11' Upright, Aluminum Assembly (GameTime 90269)	731.86	69.79
11 68 13 00-2665	EA	11' Upright, Galvanized Assembly (GameTime G90269)	705.54	66.99
11 68 13 00-2666	EA	12' Upright, Aluminum Assembly (GameTime 90270)	792.12	75.36
11 68 13 00-2667	EA	12' Upright, Galvanized Assembly (GameTime G90270)	763.75	72.57
11 68 13 00-2668	EA	13' Upright, Aluminum Assembly (GameTime 90271)	851.80	80.95
11 68 13 00-2669	EA	13' Upright, Galvanized Assembly (GameTime G90271)	821.96	78.16
11 68 13 00-2670	EA	14' Upright, Aluminum Assembly (GameTime 90272)	911.49	86.53
11 68 13 00-2671	EA	14' Upright, Galvanized Assembly (GameTime G90272)	880.16	83.74
11 68 13 00-2672	EA	15' Upright, Aluminum, Assembly (GameTime 90273)	938.37	89.32
11 68 13 00-2673	EA	15' Upright, Galvanized, Assembly (GameTime G90273)	938.37	89.32
11 68 13 00-2674	EA	2' And 2'-6" Clover Leaf Climber (GameTime 90344)	1,398.73	133.43
11 68 13 00-2675	EA	3' And 3'-6" Clover Leaf Climber (GameTime 90345)	1,862.63	177.53
11 68 13 00-2676	EA	4' And 4'-6" Clover Leaf Climber (GameTime 90346)	2,321.23	221.07
11 68 13 00-2677	EA	5' And 5'-6" Clover Leaf Climber (GameTime 90347)	2,527.60	240.62
11 68 13 00-2678	EA	5'-0 F5 Slide With Hood (GameTime 90350)	9,895.12	942.35
11 68 13 00-2679	EA	River Rock Climber (GameTime 90369)	1,956.12	186.46
11 68 13 00-2680	EA	4'/5' Climbing Pole (GameTime 90371)	516.81	49.13
11 68 13 00-2681	EA	Rockscape Archway With Barrier (GameTime 90387)	1,042.44	99.37
11 68 13 00-2682	EA	3'-0" Overhead Climber Access Ladder (GameTime 90391)	649.21	61.97
11 68 13 00-2683	EA	1'-6" Rung Kick Plate (GameTime 90395)	1,000.10	95.47
11 68 13 00-2684	EA	2' Rung Kick Plate (GameTime 90396)	1,003.63	95.47
11 68 13 00-2685	EA	Decorative Panel With Gizmo, Above Deck (GameTime 90430)	982.47	93.79
11 68 13 00-2686	EA	Decorative Panel With Gizmo, Below Deck (GameTime 90431)	1,113.00	106.07
11 68 13 00-2687	EA	Decorative Panel Molded S Whl, Below Deck (GameTime 90432)	1,682.72	160.22
11 68 13 00-2688	EA	Decorative Panel Thunderring, Below Deck (GameTime 90433)	1,737.39	165.24
11 68 13 00-2689	EA	2'-6"/3' Single Wave Zip Slide (GameTime 90503)	2,188.94	208.23
11 68 13 00-2690	EA	5' Single Zip Slide (GameTime 90505)	3,174.93	302.58
11 68 13 00-2691	EA	6' Single Wave Zip Slide (GameTime 90506)	3,516.97	334.96
11 68 13 00-2692	EA	5' Double Zip Slide, Std Dk (GameTime 90509)	4,224.37	402.51
11 68 13 00-2693	EA	8' Standard Zip Slide (GameTime 90512)	4,790.64	456.10
11 68 13 00-2694	EA	2'-6" Rung Kick (GameTime 90533)	1,241.74	118.35
11 68 13 00-2695	EA	3' Rung Kick Plate (GameTime 90534)	1,282.32	122.26
11 68 13 00-2696	EA	Swerve Slide (GameTime 90578)	2,735.74	260.71
11 68 13 00-2697	EA	Double Swerve Slide (GameTime 90579)	4,127.42	393.02
11 68 13 00-2698	EA	Wide Deck Climber Archway (Guardrail) (GameTime 90580)	971.89	92.67
11 68 13 00-2699	EA	Ridge Climber (Single) (GameTime 90592)	1,204.71	115.00
11 68 13 00-2700	EA	Playworx Connector Deck (GameTime 90599)	1,402.26	133.43
11 68 13 00-2701	EA	Fun-L Up And Across (GameTime 90616)	4,737.72	451.08
11 68 13 00-2702	EA	Playworx Swerve Slide (Without Hood) (GameTime 90617)	1,887.32	179.76
11 68 13 00-2703	EA	Step Up Platform (GameTime 90618)	6,023.56	573.90
11 68 13 00-2704	EA	Ergo Climber (4'-0" And 4'-6") (GameTime 90619)	1,490.45	141.80
11 68 13 00-2705	EA	Ergo Climber (5'-0" And 5'-6") (GameTime 90620)	1,702.12	161.89
11 68 13 00-2706	EA	Ergo Climber (6'-0") (GameTime 90621)	1,869.68	178.09
11 68 13 00-2707	EA	Bubble Panel, Above Deck (GameTime 90631)	1,590.99	151.29
11 68 13 00-2708	EA	Stego Climber (8'-0") (GameTime 90636)	1,407.56	133.98
11 68 13 00-2709	EA	Net Tunnel (GameTime 90644)	47,325.96	4,508.00
11 68 13 00-2710	EA	3'-6"/4'-0" Zip Swerve Slide Right (GameTime 90654)	2,642.25	251.78
11 68 13 00-2711	EA	Spiral Step Climber (3'-0" And 3'-6") (GameTime 90667)	1,453.41	138.45
11 68 13 00-2712	EA	Spiral Step Climber (5'-0" And 5'-6") (GameTime 90669)	2,132.49	203.21
11 68 13 00-2713	EA	Straight Section Wilderslide Ii (GameTime 90703)	710.83	67.55
11 68 13 00-2714	EA	Support Wilderslide Ii (GameTime 90709)	303.39	29.03
11 68 13 00-2715	EA	Frog Slide Puzzle-Gadget Panel Above Deck (GameTime 90713)	3,353.09	319.33
11 68 13 00-2716	EA	Single Sun Blossom (GameTime 90738)	3,979.25	379.07
11 68 13 00-2717	EA	Butterfly Climber (GameTime 90750)	7,120.68	678.29
11 68 13 00-2718	EA	Long Exit (Use On 7' And 8' Slides) (GameTime 90762)	1,335.24	127.28
11 68 13 00-2719	EA	Kidnetix Twirl (GameTime 90777)	9,127.67	869.22
11 68 13 00-2720	EA	Over N Under (GameTime 90779)	8,328.92	793.30
11 68 13 00-2721	EA	5' ADA Hex Deck With Shadow Play Flower (GameTime 90820)	17,455.10	1,662.52
11 68 13 00-2722	EA	Double Twin Spiral (GameTime 90843)	13,057.81	1,243.82
11 68 13 00-2723	EA	Archway (3D) (GameTime 91004)	1,227.64	116.67
11 68 13 00-2724	EA	Climber Offset Archway (3D) (GameTime 91006)	1,127.09	107.19
11 68 13 00-2725	EA	Archway With Socket (3D) (GameTime 91010)	1,342.30	127.84
11 68 13 00-2726	EA	Arch Bridge (3D) 2 Deck Span (GameTime 91018)	10,775.38	1,026.66
11 68 13 00-2727	EA	Shadow Tree 3D Tri 0'-6" - 7'0" (GameTime 91026)	8,826.32	840.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2728	EA	3'-0" Transfer Platform (3D) (GameTime 91031)	5,369.17	511.37
11 68 13 00-2729	EA	5'-0" Transfer Platform (3D) (GameTime 91033)	9,339.61	889.88
11 68 13 00-2730	EA	1'-0" Transfer System (3D) (GameTime 91034)	3,051.47	290.86
11 68 13 00-2731	EA	2'-0" Transfer System (3D) (GameTime 91035)	4,095.67	390.23
11 68 13 00-2732	EA	2'-0" Transfer System (3D) (GameTime 91035)	4,095.67	390.23
11 68 13 00-2733	EA	2'-6" Transfer System (3D) (GameTime 91036)	6,189.36	589.53
11 68 13 00-2734	EA	3'-0" Transfer System (3D) (GameTime 91037)	6,566.83	625.26
11 68 13 00-2735	EA	4'-0" Transfer System (3D) (GameTime 91038)	8,004.37	762.60
11 68 13 00-2736	EA	Shadow Tree 3D Tri 7'-6" - 8'-0" (GameTime 91051)	9,015.06	858.62
11 68 13 00-2737	EA	6'-0" Hillside Dueling Wave Zip Slide (GameTime 91077)	7,716.21	735.23
11 68 13 00-2738	EA	Enclosure With Thunderring (3D) Above Deck (GameTime 91088)	2,155.43	205.44
11 68 13 00-2739	EA	Coral Climber (3D) 5'-0" (GameTime 91107)	2,264.79	215.49
11 68 13 00-2740	EA	90 Degree Play Port Bridge (GameTime 91120)	10,212.71	973.06
11 68 13 00-2741	EA	90 Degree Play Port Bridge (GameTime 91120)	10,212.71	973.06
11 68 13 00-2742	EA	Funnel Crows Nest Telescope Bar (GameTime 91136)	3,910.46	372.36
11 68 13 00-2743	EA	Entryway - 3D (GameTime 91137)	1,352.87	128.96
11 68 13 00-2744	EA	Entryway - Barrier (GameTime 91139)	1,003.63	95.47
11 68 13 00-2745	EA	Entryway - Guardrail (GameTime 91146)	726.70	69.23
11 68 13 00-2746	EA	Entryway - Timbers (GameTime 91150)	1,367.00	130.08
11 68 13 00-2747	EA	Climber Entryway - Timbers (GameTime 91151)	1,206.47	115.00
11 68 13 00-2748	EA	Archway - Timbers (GameTime 91154)	1,259.39	120.03
11 68 13 00-2749	EA	Archway With Socket - Timbers (GameTime 91157)	1,377.58	131.19
11 68 13 00-2750	EA	Climber Offset Archway - Timbers (GameTime 91163)	1,165.92	111.10
11 68 13 00-2751	EA	4' Plank Climber - Timbers (GameTime 91181)	1,068.90	101.60
11 68 13 00-2752	EA	8' Plank Climber - Timbers (GameTime 91185)	1,800.89	171.39
11 68 13 00-2753	EA	2' Transfer System - Timbers (GameTime 91201)	4,591.32	437.12
11 68 13 00-2754	EA	Mini Arch Bridge - Timbers (GameTime 91207)	5,439.72	518.07
11 68 13 00-2755	EA	Climber Entryway - Guardrail (GameTime 91208)	758.46	72.01
11 68 13 00-2756	EA	Climber Entryway - Barrier (GameTime 91209)	933.08	88.77
11 68 13 00-2757	EA	Climber Entryway - 3D (GameTime 91210)	1,273.49	121.15
11 68 13 00-2758	EA	Gable Roof - Timbers (GameTime 91212)	5,767.81	549.34
11 68 13 00-2759	EA	72" Slant Hex Roof Extension - Timbers (GameTime 91218)	661.45	63.08
11 68 13 00-2760	EA	Slant Hex Roof - Timbers (GameTime 91219)	10,979.99	1,045.64
11 68 13 00-2761	EA	5'0" - 5'6" Lily Pad Spiral Climber (GameTime 91251)	2,160.72	206.00
11 68 13 00-2762	EA	Three Stump Climber (GameTime 91284)	8,250.39	786.04
11 68 13 00-2763	EA	Notched Log Climber (GameTime 91285)	9,207.59	877.03
11 68 13 00-2764	EA	4' 3D Transfer For GFRC (GameTime 91305)	5,392.10	513.61
11 68 13 00-2765	EA	3' Timbers Transfer For GFRC (GameTime 91307)	4,300.27	409.77
11 68 13 00-2766	EA	Shadow Play Tree Single 0'6" - 7'0" (GameTime 91310)	3,407.77	324.35
11 68 13 00-2767	EA	Shadow Play Tree Tri 0'6" - 7'0" (GameTime 91311)	10,207.43	972.50
11 68 13 00-2768	EA	Shadow Play Tree Quad 0'6" - 7'0" (GameTime 91312)	13,606.37	1,296.30
11 68 13 00-2769	EA	Shadow Play Tree Pentagon 0'6" - 7'0" (GameTime 91313)	16,996.50	1,618.98
11 68 13 00-2770	EA	Shadow Play Tree Hex 0'6" - 7'0" (GameTime 91314)	20,404.26	1,943.89
11 68 13 00-2771	EA	Shadow Play Tree Single 7'6" And 8'0" (GameTime 91315)	3,465.97	329.94
11 68 13 00-2772	EA	Shadow Play Tree Tri 7'-6" And 8'-0" (GameTime 91316)	10,378.52	988.69
11 68 13 00-2773	EA	Shadow Play Tree Quad 7'-6" And 8'-0" (GameTime 91317)	13,835.66	1,318.07
11 68 13 00-2774	EA	Shadow Play Tree Pentagon 7'-6" And 8'-0" (GameTime 91318)	17,280.48	1,646.33
11 68 13 00-2775	EA	Shadow Play Tree Hex 7'-6" And 8'-0" (GameTime 91319)	20,746.45	1,976.27
11 68 13 00-2776	EA	Stump Platform (GameTime 91320)	8,671.11	826.24
11 68 13 00-2777	EA	Erractic Climber With Hex Net 4'-5' (GameTime 91324)	2,827.45	269.08
11 68 13 00-2778	EA	Erratic Climber With Hex Net 7'-8' (GameTime 91326)	3,887.53	370.13
11 68 13 00-2779	EA	Big Stump Climber (GameTime 91327)	23,508.65	2,239.21
11 68 13 00-2780	EA	Timbers Enclosure With Thunderring (Above) (GameTime 91340)	2,072.53	197.63
11 68 13 00-2781	EA	Aerosol Paint 4.5 Oz. (GameTime 139361)	29.98	2.79
11 68 13 00-2782	EA	Pin-In Tool Kit(Torx Bit) (GameTime 158279)	128.77	12.28
11 68 13 00-2783	EA	2-5 Age Appropriate Sticker (GameTime 168284)	5.87	0.56
11 68 13 00-2784	EA	5-12 Age Appropriate Sticker (GameTime 168285)	6.96	0.56
11 68 13 00-2785	EA	2/5-5/12 Age Appropriate (GameTime 169163)	6.96	0.56
11 68 13 00-2786	EA	ASTM Warning Label (GameTime 169164)	5.49	0.56
11 68 13 00-2787	EA	Owner's Kit (GameTime 178749)	120.68	11.72
11 68 13 00-2788	EA	Hybrid Tool Kit Pt (GameTime 200830)	139.34	13.40
11 68 13 00-2789	EA	Tool Kit (Torx Bit) (GameTime 205282)	105.60	10.05
11 68 13 00-2790	EA	Hybrid Tool Kit Ps 2012 (GameTime 205283)	141.11	13.40
11 68 13 00-2791	EA	3-1/2" Diameter, Aluminum Pipe With 7' Cap (GameTime 1R27FU)	403.92	38.52
11 68 13 00-2792	EA	Flower With Yellow Petals Label (GameTime 38220L)	1,034.09	98.25
11 68 13 00-2793	EA	5" Diameter, Aluminum Pipe With 6' Aluminum Cap (GameTime DH1305)	470.95	44.66
11 68 13 00-2794	EA	3-1/2" Antiwrap Enclosed Tot-Stainless (GameTime SS5017)	1,211.16	115.56
11 68 13 00-2795	EA	3-1/2" Antiwrap Belt Seat-Stainless (GameTime SS5020)	1,123.37	107.19

11 68 16 Play Structures *(11 68)*

11 68 16 00-0001 Playground Shade Structures *(11 68 16)*

Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechanical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.

11 68 16 00-0002 Single Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0003	EA	8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	23,042.50	
11 68 16 00-0004	EA	10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	23,084.53	
11 68 16 00-0005	EA	9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	23,121.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0006	EA	10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,396.61	
11 68 16 00-0007	EA	11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,433.87	
11 68 16 00-0008	EA	10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	24,594.26	
11 68 16 00-0009	EA	12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	25,487.04	
11 68 16 00-0010	EA	10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	25,779.06	
11 68 16 00-0011	EA	10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	26,360.53	
11 68 16 00-0012	EA	14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,858.76	
11 68 16 00-0013	EA	14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,505.21	
11 68 16 00-0014	EA	12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,807.41	
11 68 16 00-0015	EA	12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,268.77	
11 68 16 00-0016	EA	15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,807.41	
11 68 16 00-0017	EA	15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,378.29	
11 68 16 00-0018	EA	17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,268.77	
11 68 16 00-0019	EA	17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	31,037.41	
11 68 16 00-0020	EA	18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,744.63	
11 68 16 00-0021	EA	18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	27,719.14	
11 68 16 00-0022	EA	18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,916.54	
11 68 16 00-0023	EA	18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	28,221.71	
11 68 16 00-0024	EA	18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	27,186.91	
11 68 16 00-0025	EA	18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	28,667.76	
11 68 16 00-0026	EA	20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	28,303.19	
11 68 16 00-0027	EA	20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	29,562.91	
11 68 16 00-0028	EA	20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0029	EA	20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,648.03	
11 68 16 00-0030	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	34,681.61	
11 68 16 00-0031	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	38,199.35	
11 68 16 00-0032	EA	18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0033	EA	18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,786.88	
11 68 16 00-0034	EA	16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,799.65	
11 68 16 00-0035	EA	16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,591.98	
11 68 16 00-0036	EA	19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0037	EA	19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,591.98	
11 68 16 00-0038	EA	20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0039	EA	20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,591.98	
11 68 16 00-0040	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0041	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,648.03	
11 68 16 00-0042	EA	20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0043	EA	20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,648.03	
11 68 16 00-0044	EA	20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,619.25	
11 68 16 00-0045	EA	20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	37,780.86	
11 68 16 00-0046	EA	21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	46,278.10	
11 68 16 00-0047	EA	21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	49,448.23	
11 68 16 00-0048	EA	24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	45,134.25	
11 68 16 00-0049	EA	24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	47,344.71	
11 68 16 00-0050	EA	23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	46,278.10	
11 68 16 00-0051	EA	23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	47,765.32	
11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	45,134.25	
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	47,344.71	
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	45,488.22	
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	47,870.59	
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	46,754.76	
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	48,291.21	
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,710.15	
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,173.59	
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	48,750.43	
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,173.59	
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	49,062.08	
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	50,551.33	
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,518.08	
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	60,919.91	
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,518.08	
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	60,919.91	
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,518.08	
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	60,919.91	
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,518.08	
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	60,919.91	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,801.54	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	66,152.82	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,801.54	
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	66,152.82	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,801.54	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	66,152.82	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,722.17	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	65,867.16	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,979.82	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	66,270.81	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	58,065.74	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	66,270.81	

11 68 16 00-0084 Double Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	56,128.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	58,147.44	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	80,711.80	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	84,094.59	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	84,725.19	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	82,525.88	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	84,725.19	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	82,525.88	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	84,725.19	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	59,557.21	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	65,634.29	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	59,557.21	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	65,634.29	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	83,027.88	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	85,282.85	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	83,027.88	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	85,282.85	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	89,609.08	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,920.70	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	87,975.69	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,920.70	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	87,975.69	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,920.70	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	129,460.86	
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	92,920.70	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	133,033.36	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	135,883.79	

11 68 16 00-0112 Interconnected Quad Lineal Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	256,935.92	

11 68 16 00-0114 Quad Ridge *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	79,714.15	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	87,543.28	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	89,642.10	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	94,304.50	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	99,360.58	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	103,906.21	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	111,530.81	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	112,052.97	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	111,530.81	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	103,906.21	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	111,530.81	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	112,595.93	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	120,297.91	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	153,353.34	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	159,373.53	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	158,628.83	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	174,491.64	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	163,032.83	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	169,886.90	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	163,406.65	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	170,474.91	

11 68 16 00-0136 Peak-Roof Triangle *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts	43,656.38	

11 68 16 00-0138 Peak-Roof Hexagon *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	76,683.03	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	79,944.14	
11 68 16 00-0141	EA	50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	133,348.31	
11 68 16 00-0142	EA	52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	138,019.86	
11 68 16 00-0143	EA	55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	141,465.21	
11 68 16 00-0144	EA	60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	145,717.62	

11 68 16 00-0145 Free-Form Tri-Sail *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

11 68 16 00-0146	EA	18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts	30,916.69	
11 68 16 00-0147	EA	18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts	41,170.21	
11 68 16 00-0148	EA	18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts	63,937.67	
11 68 16 00-0149	EA	30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts	103,221.00	

11 68 16 00-0150 Free-Form Hypar *(11 68 16 00-0001)*

Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0151	EA	20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	45,791.77	
11 68 16 00-0152	EA	20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	57,473.24	
11 68 16 00-0153	EA	30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	62,844.97	
11 68 16 00-0154	EA	30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	76,524.76	
11 68 16 00-0155		**Mariners** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156	EA	30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts	55,387.14	
11 68 16 00-0157	EA	30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts	60,936.77	
11 68 16 00-0158	EA	30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts	81,111.77	
11 68 16 00-0159	EA	30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts	86,369.19	
11 68 16 00-0160	EA	60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts	124,786.65	
11 68 16 00-0161	EA	60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts	128,335.84	
11 68 16 00-0162		**Single Post Pyramid** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163	EA	14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post	19,097.26	
11 68 16 00-0164	EA	14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post	19,618.35	
11 68 16 00-0165		**Tri-Truss Cantilevers** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts	68,700.54	
11 68 16 00-0167	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts	72,674.56	
11 68 16 00-0168	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts	102,555.44	
11 68 16 00-0169	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts	104,981.94	
11 68 16 00-0170		**Full Cantilevers** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171	EA	20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts	61,386.14	
11 68 16 00-0172	EA	20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts	91,929.41	
11 68 16 00-0173		**Hip Roof** *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 vSnowload, 10' Opening Height, 4 Posts	41,868.27	
11 68 16 00-0175	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 Lb. Snowload, 12' Opening Height, 4 Posts	46,902.64	
11 68 16 00-0176		**Hip Roof** *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts	89,748.27	
11 68 16 00-0178	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts	96,685.12	
11 68 16 00-0179	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts	169,160.73	
11 68 16 00-0180	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts	178,827.26	
11 68 16 00-0181		**Additional Items** *(11 68 16 00-0001)*		
11 68 16 00-0182	EA	Concrete Cutting for Playground Shade Structure, Per Core	121.59	
11 68 16 00-0183	HR	Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift)	107.00	
11 68 16 00-0184	HR	Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift)	131.00	
11 68 16 00-0185	EA	Intumescent Paint Per Column	2,332.06	

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001		**Basketball Components** *(11 68 23 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	24.93	4.51
11 68 23 13-0003	EA	Chain Basketball Net (Porter Athletic 00161-000)	52.98	4.51
11 68 23 13-0004	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	121.96	22.55
11 68 23 13-0005	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	241.48	10.15
11 68 23 13-0006	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,494.52	19.18
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0007	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,934.14	19.18
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0008	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	967.96	16.92
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0009	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	1,062.82	16.92
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0010		**Basketball Systems** *(11 68 23 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0011	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,140.45	169.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0012	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,116.75	186.31
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0013	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,525.75	169.37
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0014	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,116.75	186.31
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0015	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	7,521.62	273.98
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	780.56	76.69
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,107.90	76.69
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,162.46	76.69
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,256.81	76.69
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,592.74	76.69
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	196.62	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	237.40	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	508.82	75.79
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	573.92	75.79
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,337.44	116.62
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	61.08	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	4,519.35	203.00
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	6,409.70	292.38
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	7,646.58	350.85

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	4,444.84	135.33
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	5,289.77	203.00

11 68 33 33 Baseball Field Equipment *(11 68 33)*

11 68 33 33-0001 Bases *(11 68 33 33)*

11 68 33 33-0002	SET	Bases For Baseball Or Softball	605.28	

11 70 Healthcare Equipment *(11)*

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001 Ceiling Patient Lift *(11 73 23)*

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	14,620.61	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001 Safety And Tie-Back Anchors *(11 81 29)*

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0041 for engineering testing and inspection.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	690.90	38.70
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	569.08	38.70
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	421.29	36.82
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	480.70	38.70
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	420.68	38.70
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	356.91	36.82
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	468.24	
11 81 29 00-0012		**Ladder Safety And Fall Protection** *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	271.42	8.18
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	42.52	1.19
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	53.16	2.97
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	70.88	1.98
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	88.60	2.48
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	57.20	1.86
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	578.84	4.96
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	118.07	4.91
11 81 29 00-0021		**Fall-Arrest Systems** *(11 81 29)*		
11 81 29 00-0022		**Horizontal** *(11 81 29 00-0021)*		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	389.60	20.92
11 81 29 00-0024		**Anchor Points** *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	613.72	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	730.38	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	270.12	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	128.88	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	149.16	
11 82		**Facility Solid Waste Handling Equipment** *(11 80)*		
11 82 19		**Packaged Incinerators** *(11 82)*		
11 82 19 00-0001		**Electric Incinerator** *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	41,871.94	546.05
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	85,732.90	1,092.10
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	294,504.95	1,638.15
11 82 19 00-0005		**Medical Waste Incinerator** *(11 82 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 19 00-0006	EA	Medical Waste Incinerator, 25 Lb./Hour Size 2'-7" x 4'-0"	21,172.93	1,092.10
11 82 19 00-0007	EA	Medical Waste Incinerator, 50 Lb./Hour Size 2'-11" x 4'-11"	42,813.16	1,092.10
11 82 19 00-0008	EA	Medical Waste Incinerator, 75 Lb./Hour Size 3'-8" x 5'-0"	56,420.20	2,184.20
11 82 19 00-0009	EA	Medium Waste Incinerator, 100 Lb./Hour Size 3'-8" x 6'-0"	84,834.01	2,184.20

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 Waste Compactors *(11 82 26)*

11 82 26 00-0002 110 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	22,681.06	243.90
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	27,712.31	585.37

11 82 26 00-0005 230 Volt Compactors *(11 82 26 00-0001)*

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	26,953.68	780.49
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	29,864.14	1,024.40

11 90 Other Equipment *(11)*

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

11 97 26 00-0001 Hinged Door Gun Lock *(11 97 26)*

Note: Two keys per locker with one master.

11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,586.46	28.90

11 97 26 00-0003 Hinged-Door Gun Locker *(11 97 26)*

Note: Includes master key for each set of 4 compartments, two keys per compartment.

11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,377.85	20.23
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,179.41	28.90
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,866.62	34.68
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	8,542.28	34.68

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001 Metal Frames *(11 98 12)*

Note: Combination buck, jamb, and trim, fully seam welded.

11 98 12 00-0002 Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*

11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	783.48	80.60
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	783.48	80.60
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	783.48	80.60
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	783.48	80.60
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	795.68	80.60
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	795.68	80.60
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,014.45	129.00
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.68	80.60
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	910.44	107.48
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	910.44	107.48
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,087.65	129.00
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.08	80.60
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	832.28	80.60
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	832.28	80.60
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,051.05	129.00

11 98 12 00-0024 Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*

11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	844.46	80.60
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	844.46	80.60
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,051.03	129.00
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	820.06	80.60
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	910.41	107.48
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	910.41	107.48
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,378.29	143.24
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	856.65	80.60
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	868.86	80.60
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	868.86	80.60
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,087.62	129.00

11 98 12 00-0046 Metal Detention Doors *(11 98 12)*

Note: Flush type reinforced with stiffeners.

11 98 12 00-0047 10 Gauge 1-3/4" Metal Detention Door *(11 98 12 00-0046)*

11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	533.21	28.64
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	540.01	28.64
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	546.81	28.64
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	553.61	28.64
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	560.40	28.64
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	594.40	28.64
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	575.50	28.64
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	582.56	28.64
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	587.01	28.64
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	648.92	28.64
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	798.35	28.64
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	875.21	28.64
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	557.01	28.64
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	563.80	28.64
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	570.60	28.64
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	577.40	28.64
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	584.20	28.64
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	618.19	28.64

11 98 12 00-0066 Pneumatic Door Operators *(11 98 12)*

11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	3,626.26	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	4,100.01	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	5,531.77	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	6,447.90	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	8,481.02	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	3,998.84	

11 98 12 00-0073 Security Doors And Frame Assembly *(11 98 12)*

11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, single plate.	9,124.26	205.92
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, double plate.	11,171.60	204.59
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	

11 98 21 Detention Windows *(11 98)*

11 98 21 00-0001 Visitor Cubicle *(11 98 21)*

Note: Excludes glazing.

11 98 21 00-0002	EA	Detention Visitor Cubicle, Vision Panel, No Intercom	11,536.84	409.24

END OF SECTION 11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	179.12	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	75.67	
12 01 60 00-0004	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	147.54	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Long Back Part	226.30	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Short Back Part	214.08	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Bracket Part	51.19	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	43.52	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Lift Mechanism	50.36	
12 01 60 00-0010	EA	Removal And Replacement Of Auditorium Seat Aisle Panel Note: Excludes standard.	197.64	
12 01 60 00-0011	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	163.38	
12 01 60 00-0012	EA	Removal And Replacement Of Auditorium Seat Aisle Standard Part	206.51	
12 01 60 00-0013	EA	Add Or Replace Auditorium Seat Number/Letter Plate	7.31	
12 01 60 00-0014	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	35.09	
		For Epoxy Anchoring, Add	*20.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 01 60 00-0015	EA	Removal And Reinstallation Of Existing Auditorium Seat In Wood Floor Note: Includes drilling and fasteners.	29.42	
12 01 60 00-0016	EA	Refinish Hardwood/Plywood Auditorium Seat (Seat, Back And Armrest) With Two Coats Of Sealer	24.01	

12 01 60 00-0017 Repairs Associated With Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0018	EA	Patch Existing Holes In Floor (Per Auditorium Seat)	0.72	
12 01 60 00-0019	SF	Paint Floors, 1 Coat Paint, Brush/Roller Work	0.45	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	11.50	0.46
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	9.21	0.46
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	10.09	0.46
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.85	0.46

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	9.56	0.46
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	11.24	0.46

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	12.32	0.96

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	7.10	0.96
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	10.90	0.96

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	412.46	6.45
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	430.41	6.45
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	459.60	6.45
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	470.82	6.45
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	497.75	6.45
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	533.67	6.45
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	556.12	6.45
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	587.54	6.45
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	636.93	6.45
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	601.16	8.78
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	641.57	8.78
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	672.99	8.78
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	699.92	8.78
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	762.78	8.78
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	794.20	8.78
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	821.14	8.78
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	879.50	8.78
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	942.35	8.78
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	798.85	11.10
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	857.22	11.10
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	884.15	11.10
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	947.00	11.10
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	1,005.37	11.10
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	1,063.73	11.10
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	1,095.15	11.10
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,158.00	11.10
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,243.30	11.10
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	1,010.01	13.42
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	1,068.37	13.42
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	1,099.79	13.42
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,189.58	13.42
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,247.94	13.42
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,310.80	13.42
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,902.74	13.42
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,463.43	13.42
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,508.33	13.42
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,194.22	15.74
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,279.52	15.74
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,310.94	15.74
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,400.73	15.74
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,490.52	15.74
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,580.31	15.74
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,670.09	15.74
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,759.88	15.74
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,872.12	15.74
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,405.38	18.06
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,495.17	18.06
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,562.51	18.06
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,652.30	18.06
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,742.09	18.06
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,854.32	18.06
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	1,944.11	18.06
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	2,033.90	18.06
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	2,191.02	18.06
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,589.60	20.39
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,701.83	20.39
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,769.17	20.39
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,881.41	20.39
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	1,971.19	20.39
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	2,083.43	20.39
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,263.01	20.39
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,330.35	20.39
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,487.47	20.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,796.26	22.71
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,886.05	22.71
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	1,975.83	22.71
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	2,110.51	22.71
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,245.20	22.71
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,379.88	22.71
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,492.11	22.71
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,604.35	22.71
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,806.37	22.71
12 22 13 00-0082		**>216" To 240" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	1,980.48	25.03
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	2,137.62	25.03
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	2,204.95	25.03
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,339.64	25.03
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,496.76	25.03
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,631.45	25.03
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,766.13	25.03
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,900.81	25.03
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	3,125.28	25.03
12 22 16		**Drapery Track and Accessories** *(12 22)*		
12 22 16 00-0001		**Metal Wall Or Ceiling Mount Drapery Tracks** *(12 22 16)*		
12 22 16 00-0002		**Basic Traverse Rod** *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	113.98	21.61
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	151.31	21.61
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	188.01	24.01
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	304.57	24.01
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	306.00	26.41
12 22 16 00-0008		**Traverse Rod With Stationary Curtain Rod** *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	149.76	21.61
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	173.86	21.61
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	244.77	24.01
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	283.44	26.41
12 22 16 00-0013		**Double Traverse Rod** *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	211.19	21.61
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	284.29	21.61
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	372.69	24.01
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	397.76	26.41
12 22 16 00-0018		**Curtain Rods** *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	13.07	0.93
12 22 16 00-0020		**Relocate Drapery And Rod** *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	14.41	
12 23		**Interior Shutters** *(12 20)*		
12 23 13		**Wood Interior Shutters** *(12 23)*		
12 23 13 00-0001		**Interior Plantation Shutters** *(12 23 13)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002		**12" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0003	PR	12" x 36" Plantation Shutter	320.52	15.69
12 23 13 00-0004	PR	12" x 40" Plantation Shutter	359.02	16.48
12 23 13 00-0005	PR	12" x 44" Plantation Shutter	393.77	17.26
12 23 13 00-0006	PR	12" x 48" Plantation Shutter	428.52	18.05
12 23 13 00-0007	PR	12" x 52" Plantation Shutter	463.27	18.83
12 23 13 00-0008	PR	12" x 56" Plantation Shutter	498.02	19.61
12 23 13 00-0009	PR	12" x 60" Plantation Shutter	499.07	20.40
12 23 13 00-0010	PR	12" x 64" Plantation Shutter	567.52	21.18
12 23 13 00-0011	PR	12" x 68" Plantation Shutter	602.27	21.97
12 23 13 00-0012	PR	12" x 72" Plantation Shutter	637.03	22.75
12 23 13 00-0013	PR	12" x 76" Plantation Shutter	671.78	23.54
12 23 13 00-0014	PR	12" x 80" Plantation Shutter	706.53	24.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0015		**14" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0016	PR	14" x 36" Plantation Shutter	335.50	15.69
12 23 13 00-0017	PR	14" x 40" Plantation Shutter	374.00	16.48
12 23 13 00-0018	PR	14" x 44" Plantation Shutter	408.75	17.26
12 23 13 00-0019	PR	14" x 48" Plantation Shutter	443.51	18.05
12 23 13 00-0020	PR	14" x 52" Plantation Shutter	482.00	18.83
12 23 13 00-0021	PR	14" x 56" Plantation Shutter	516.74	19.61
12 23 13 00-0022	PR	14" x 60" Plantation Shutter	551.50	20.40
12 23 13 00-0023	PR	14" x 64" Plantation Shutter	589.99	21.18
12 23 13 00-0024	PR	14" x 68" Plantation Shutter	624.74	21.97
12 23 13 00-0025	PR	14" x 72" Plantation Shutter	659.50	22.75
12 23 13 00-0026	PR	14" x 76" Plantation Shutter	698.00	23.54
12 23 13 00-0027	PR	14" x 80" Plantation Shutter	732.74	24.33
12 23 13 00-0028		**15" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0029	PR	15" x 36" Plantation Shutter	350.48	15.69
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	388.98	16.48
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	423.73	17.26
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	458.49	18.05
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	496.98	18.83
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	535.47	19.61
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	573.97	20.40
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	612.46	21.18
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	650.96	21.97
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	685.71	22.75
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	724.21	23.54
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	762.70	24.33
12 23 13 00-0041		**16" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0042	PR	16" x 36" Plantation Shutter	372.95	15.69
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	415.19	16.48
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	453.69	17.26
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	495.94	18.05
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	534.43	18.83
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	572.92	19.61
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	611.42	20.40
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	657.40	21.18
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	695.90	21.97
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	734.40	22.75
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	776.64	23.54
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	815.13	24.33
12 23 13 00-0054		**18" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0055	PR	18" x 36" Plantation Shutter	406.65	15.69
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	448.90	16.48
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	491.14	17.26
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	537.13	18.05
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	579.37	18.83
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	625.35	19.61
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	667.59	20.40
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	709.83	21.18
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	752.07	21.97
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	798.06	22.75
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	840.30	23.54
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	886.28	24.33
12 23 13 00-0067		**20" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0068	PR	20" x 36" Plantation Shutter	444.10	15.69
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	493.84	16.48
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	539.83	17.26
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	585.82	18.05
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	635.54	18.83
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	681.52	19.61
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	731.26	20.40
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	777.24	21.18
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	826.97	21.97
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	872.96	22.75
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	922.69	23.54
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	968.67	24.33
12 23 13 00-0080		**22" Wide** *(12 23 13 00-0001)*		
12 23 13 00-0081	PR	22" x 36" Plantation Shutter	474.06	15.69
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	527.54	16.48
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	577.28	17.26
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	6,244.47	18.05
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	680.48	18.83
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	730.21	19.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	779.94	20.40
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	833.41	21.18
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	883.14	21.97
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	936.62	22.75
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	986.36	23.54
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	1,039.83	24.33

12 23 13 00-0093 24" Wide *(12 23 13 00-0001)*

12 23 13 00-0094	PR	24" x 36" Plantation Shutter	504.02	15.69
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	561.25	16.48
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	614.73	17.26
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	671.95	18.05
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	725.42	18.83
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	778.89	19.61
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	832.37	20.40
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	889.58	21.18
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	943.06	21.97
12 23 13 00-0103	PR	24" x 72" Plantation Shutter	1,000.29	22.75
12 23 13 00-0104	PR	24" x 76" Plantation Shutter	1,053.77	23.54
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	1,110.98	24.33

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.27	0.31
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.27	0.31

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	19.77	0.31

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.27	0.31

12 24 13 00-0009 MechoShade *(12 24 13 00-0001)*

Note: Includes all hardware required for installation and stainless steel chain operator.

12 24 13 00-0010 ThermoVeil 0700 Series (Blackout) Shade *(12 24 13 00-0009)*

12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	219.80	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	264.09	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	283.85	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	299.13	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	230.95	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	281.93	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	297.23	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	316.96	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	244.33	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	301.99	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	317.29	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	337.03	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	255.48	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	322.06	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	337.36	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	354.87	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	266.63	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	342.13	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	357.43	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	377.17	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	280.01	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	364.43	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	379.73	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	397.24	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	291.15	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	384.50	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	399.80	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	417.30	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	302.30	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	404.57	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	419.86	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	470.82	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.60	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	442.47	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	457.77	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	497.58	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	400.42	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	464.77	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	480.07	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	526.56	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	

12 24 13 00-0051 ThermoVeil 0900 And 3000 Series Shade *(12 24 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	253.25	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	308.68	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	335.13	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	357.10	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	445.98	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	459.05	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	273.32	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	339.90	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	370.81	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	395.01	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	492.81	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	508.11	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	291.15	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	373.35	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	408.72	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	432.91	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	544.09	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	559.39	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	313.45	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	406.80	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	444.39	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	473.05	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	595.38	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	610.68	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	331.29	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	435.78	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	482.30	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	510.96	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	644.43	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	773.45	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	353.59	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	469.23	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	517.98	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	548.86	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	695.72	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	833.66	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	371.43	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	500.45	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	553.65	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	586.77	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	747.01	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	884.94	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	391.50	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	536.12	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	593.79	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	626.91	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	813.90	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	936.23	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	429.40	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	576.26	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	647.30	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	684.88	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	898.63	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,020.96	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	527.51	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	616.40	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	696.36	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	733.94	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	941.00	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,070.02	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	

12 24 13 00-0112 EuroVeil 5100, 5200 And 5300 Series Shade *(12 24 13 00-0009)*

12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	268.86	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	286.39	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	326.21	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	386.09	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	430.37	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	470.20	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	291.15	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	308.68	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	359.66	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	432.91	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	477.20	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	492.50	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	313.45	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	328.75	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	390.88	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	479.74	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	524.03	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	539.32	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	337.98	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	353.28	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	422.09	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	526.56	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	570.85	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	704.33	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	360.28	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	375.58	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	451.08	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	573.39	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	617.68	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	751.16	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	384.81	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	400.11	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	484.53	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	620.22	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	682.34	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	791.29	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	407.10	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	420.17	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	517.98	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	675.96	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	720.25	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	838.12	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	429.40	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	444.70	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	546.96	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	716.10	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	762.61	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	902.78	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	485.15	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	500.45	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	622.78	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	789.68	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	845.12	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	976.37	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	574.34	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	524.97	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	658.45	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	836.51	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	894.17	14.50
		For Installation In Concrete Or Steel, Add	*14.20*	
		For Window Top >10' Above Finished Floor, Add	*7.10*	
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,023.19	16.58
		For Installation In Concrete Or Steel, Add	*16.23*	
		For Window Top >10' Above Finished Floor, Add	*8.12*	

12 24 13 00-0173 Snaplock Fascia *(12 24 13 00-0009)*

12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	31.06	1.03
		For Installation In Concrete Or Steel, Add	*1.02*	
		For Window Top >10' Above Finished Floor, Add	*0.51*	
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	40.67	1.38
		For Installation In Concrete Or Steel, Add	*1.35*	
		For Window Top >10' Above Finished Floor, Add	*0.68*	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	50.28	1.73
		For Installation In Concrete Or Steel, Add	*1.69*	
		For Window Top >10' Above Finished Floor, Add	*0.85*	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	64.35	2.07
		For Installation In Concrete Or Steel, Add	*2.03*	
		For Window Top >10' Above Finished Floor, Add	*1.02*	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	71.72	2.42
		For Installation In Concrete Or Steel, Add	*2.37*	
		For Window Top >10' Above Finished Floor, Add	*1.18*	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	83.57	2.76
		For Installation In Concrete Or Steel, Add	*2.71*	
		For Window Top >10' Above Finished Floor, Add	*1.35*	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	95.40	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	105.02	3.45
		For Installation In Concrete Or Steel, Add	*3.38*	
		For Window Top >10' Above Finished Floor, Add	*1.69*	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	114.63	3.80
		For Installation In Concrete Or Steel, Add	*3.72*	
		For Window Top >10' Above Finished Floor, Add	*1.86*	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	188.89	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	60.04	1.03
		For Installation In Concrete Or Steel, Add	*1.02*	
		For Window Top >10' Above Finished Floor, Add	*0.51*	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	80.80	1.38
		For Installation In Concrete Or Steel, Add	*1.35*	
		For Window Top >10' Above Finished Floor, Add	*0.68*	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	99.33	1.73
		For Installation In Concrete Or Steel, Add	*1.69*	
		For Window Top >10' Above Finished Floor, Add	*0.85*	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	117.87	2.07
		For Installation In Concrete Or Steel, Add	*2.03*	
		For Window Top >10' Above Finished Floor, Add	*1.02*	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	138.62	2.42
		For Installation In Concrete Or Steel, Add	*2.37*	
		For Window Top >10' Above Finished Floor, Add	*1.18*	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	157.16	2.76
		For Installation In Concrete Or Steel, Add	*2.71*	
		For Window Top >10' Above Finished Floor, Add	*1.35*	
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	177.90	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	200.90	3.45
		For Installation In Concrete Or Steel, Add	*3.38*	
		For Window Top >10' Above Finished Floor, Add	*1.69*	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	217.20	3.80
		For Installation In Concrete Or Steel, Add	*3.72*	
		For Window Top >10' Above Finished Floor, Add	*1.86*	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	362.82	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	

12 24 13 00-0194 Room Darkening Sill And Side Channel *(12 24 13 00-0009)*

12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	37.43	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	48.42	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	63.89	5.19
		For Installation In Concrete Or Steel, Add	*5.08*	
		For Window Top >10' Above Finished Floor, Add	*2.54*	
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	77.09	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	88.08	7.25
		For Installation In Concrete Or Steel, Add	*7.10*	
		For Window Top >10' Above Finished Floor, Add	*3.55*	
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	101.31	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	114.53	9.33
		For Installation In Concrete Or Steel, Add	*9.13*	
		For Window Top >10' Above Finished Floor, Add	*4.57*	
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	125.53	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	136.51	11.40
		For Installation In Concrete Or Steel, Add	*11.16*	
		For Window Top >10' Above Finished Floor, Add	*5.58*	
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	149.73	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	37.43	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	86.32	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	108.48	5.19
		For Installation In Concrete Or Steel, Add	*5.08*	
		For Window Top >10' Above Finished Floor, Add	*2.54*	
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	126.15	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	150.52	7.25
		For Installation In Concrete Or Steel, Add	*7.10*	
		For Window Top >10' Above Finished Floor, Add	*3.55*	
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	170.44	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	203.72	9.33
		For Installation In Concrete Or Steel, Add	*9.13*	
		For Window Top >10' Above Finished Floor, Add	*4.57*	
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	225.87	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	250.23	11.40
		For Installation In Concrete Or Steel, Add	*11.16*	
		For Window Top >10' Above Finished Floor, Add	*5.58*	
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	270.14	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	50.81	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	70.71	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	88.41	5.19
		For Installation In Concrete Or Steel, Add	*5.08*	
		For Window Top >10' Above Finished Floor, Add	*2.54*	
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	106.08	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	121.53	7.25
		For Installation In Concrete Or Steel, Add	*7.10*	
		For Window Top >10' Above Finished Floor, Add	*3.55*	
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	139.22	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	156.90	9.33
		For Installation In Concrete Or Steel, Add	*9.13*	
		For Window Top >10' Above Finished Floor, Add	*4.57*	
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	172.36	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	190.03	11.40
		For Installation In Concrete Or Steel, Add	*11.16*	
		For Window Top >10' Above Finished Floor, Add	*5.58*	
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	209.93	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	97.63	3.11
		For Installation In Concrete Or Steel, Add	*3.04*	
		For Window Top >10' Above Finished Floor, Add	*1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	126.46	4.15
		For Installation In Concrete Or Steel, Add	*4.06*	
		For Window Top >10' Above Finished Floor, Add	*2.03*	
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	157.54	5.19
		For Installation In Concrete Or Steel, Add	*5.08*	
		For Window Top >10' Above Finished Floor, Add	*2.54*	
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	193.04	6.22
		For Installation In Concrete Or Steel, Add	*6.09*	
		For Window Top >10' Above Finished Floor, Add	*3.04*	
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	221.87	7.25
		For Installation In Concrete Or Steel, Add	*7.10*	
		For Window Top >10' Above Finished Floor, Add	*3.55*	
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	255.17	8.29
		For Installation In Concrete Or Steel, Add	*8.12*	
		For Window Top >10' Above Finished Floor, Add	*4.06*	
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	286.23	9.33
		For Installation In Concrete Or Steel, Add	*9.13*	
		For Window Top >10' Above Finished Floor, Add	*4.57*	
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	319.52	10.37
		For Installation In Concrete Or Steel, Add	*10.15*	
		For Window Top >10' Above Finished Floor, Add	*5.07*	
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	348.34	11.40
		For Installation In Concrete Or Steel, Add	*11.16*	
		For Window Top >10' Above Finished Floor, Add	*5.58*	
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	379.40	12.43
		For Installation In Concrete Or Steel, Add	*12.17*	
		For Window Top >10' Above Finished Floor, Add	*6.09*	

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 09 Window Treatment Control System *(12 25)*

12 25 09 00-0001 Motorized Lightproof Shades *(12 25 09)*

12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width	39.56	1.21

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001 Motorized Drapery Track *(12 25 13)*

12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,321.83	52.31
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,370.83	57.54
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,419.81	62.77
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,468.82	67.99
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,517.80	73.23
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,566.80	78.46
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,615.79	83.69
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,664.78	88.92
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,713.77	94.15
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,762.76	99.38
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,811.75	104.61
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,860.75	109.85
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,909.74	115.08
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,958.73	120.30
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,007.72	125.53
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,056.71	130.77
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,105.72	136.00
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,154.70	141.23
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,203.70	146.45
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,252.68	151.69
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,301.68	156.92

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,944.34	125.25
		For 16 Gauge Stainless Steel, Add	*364.16*	
		For >5 To 9, Deduct	*-88.92*	
		For >9, Deduct	*-177.85*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,382.98	125.25
		For 16 Gauge Stainless Steel, Add	*673.47*	
		For >5 To 9, Deduct	*-164.45*	
		For >9, Deduct	*-328.90*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,111.52	125.25
		For 16 Gauge Stainless Steel, Add	*615.10*	
		For >5 To 9, Deduct	*-150.20*	
		For >9, Deduct	*-300.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,840.06	125.25
		For 16 Gauge Stainless Steel, Add	*556.74*	
		For >5 To 9, Deduct	*-135.95*	
		For >9, Deduct	*-271.90*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,747.94	125.25
		For 16 Gauge Stainless Steel, Add	*536.93*	
		For >5 To 9, Deduct	*-131.11*	
		For >9, Deduct	*-262.22*	
12 31 16 00-0009		**24" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,941.36	135.36
		For 16 Gauge Stainless Steel, Add	*574.14*	
		For >5 To 9, Deduct	*-140.20*	
		For >9, Deduct	*-280.40*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,610.12	135.36
		For 16 Gauge Stainless Steel, Add	*502.93*	
		For >5 To 9, Deduct	*-122.81*	
		For >9, Deduct	*-245.62*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,682.64	135.36
		For 16 Gauge Stainless Steel, Add	*518.52*	
		For >5 To 9, Deduct	*-126.62*	
		For >9, Deduct	*-253.23*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,019.76	135.36
		For 16 Gauge Stainless Steel, Add	*591.00*	
		For >5 To 9, Deduct	*-144.31*	
		For >9, Deduct	*-288.63*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,041.90	135.36
		For 16 Gauge Stainless Steel, Add	*810.76*	
		For >5 To 9, Deduct	*-197.98*	
		For >9, Deduct	*-395.95*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,479.96	135.36
		For 16 Gauge Stainless Steel, Add	*904.94*	
		For >5 To 9, Deduct	*-220.97*	
		For >9, Deduct	*-441.95*	
12 31 16 00-0016		**30" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,521.79	142.64
		For 16 Gauge Stainless Steel, Add	*480.87*	
		For >5 To 9, Deduct	*-117.42*	
		For >9, Deduct	*-234.84*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,850.67	142.64
		For 16 Gauge Stainless Steel, Add	*766.58*	
		For >5 To 9, Deduct	*-187.19*	
		For >9, Deduct	*-374.38*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	5,072.73	142.64
		For 16 Gauge Stainless Steel, Add	*1,029.32*	
		For >5 To 9, Deduct	*-251.35*	
		For >9, Deduct	*-502.69*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,634.67	142.64
		For 16 Gauge Stainless Steel, Add	*935.14*	
		For >5 To 9, Deduct	*-228.35*	
		For >9, Deduct	*-456.70*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,363.21	142.64
		For 16 Gauge Stainless Steel, Add	*876.77*	
		For >5 To 9, Deduct	*-214.10*	
		For >9, Deduct	*-428.19*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,261.69	142.64
		For 16 Gauge Stainless Steel, Add	*639.95*	
		For >5 To 9, Deduct	*-156.27*	
		For >9, Deduct	*-312.53*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,228.37	142.64
		For 16 Gauge Stainless Steel, Add	*632.78*	
		For >5 To 9, Deduct	*-154.52*	
		For >9, Deduct	*-309.03*	
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,811.93	148.31
		For 16 Gauge Stainless Steel, Add	*540.73*	
		For >5 To 9, Deduct	*-132.04*	
		For >9, Deduct	*-264.08*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,519.49	148.31
		For 16 Gauge Stainless Steel, Add	*692.86*	
		For >5 To 9, Deduct	*-169.19*	
		For >9, Deduct	*-338.37*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,258.81	148.31
		For 16 Gauge Stainless Steel, Add	*636.81*	
		For >5 To 9, Deduct	*-155.50*	
		For >9, Deduct	*-311.00*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,359.93	148.31
		For 16 Gauge Stainless Steel, Add	*1,088.55*	
		For >5 To 9, Deduct	*-265.81*	
		For >9, Deduct	*-531.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,922.85	148.31
		For 16 Gauge Stainless Steel, Add	*994.58*	
		For >5 To 9, Deduct	*-242.86*	
		For >9, Deduct	*-485.72*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,946.73	157.61
		For 16 Gauge Stainless Steel, Add	*565.77*	
		For >5 To 9, Deduct	*-138.15*	
		For >9, Deduct	*-276.30*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,650.55	157.61
		For 16 Gauge Stainless Steel, Add	*1,147.09*	
		For >5 To 9, Deduct	*-280.10*	
		For >9, Deduct	*-560.21*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,212.49	157.61
		For 16 Gauge Stainless Steel, Add	*1,052.90*	
		For >5 To 9, Deduct	*-257.10*	
		For >9, Deduct	*-514.21*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,758.75	157.61
		For 16 Gauge Stainless Steel, Add	*955.35*	
		For >5 To 9, Deduct	*-233.28*	
		For >9, Deduct	*-466.57*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	3,550.41	157.61
		For 16 Gauge Stainless Steel, Add	*695.56*	
		For >5 To 9, Deduct	*-169.85*	
		For >9, Deduct	*-339.69*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	3,807.17	157.61
		For 16 Gauge Stainless Steel, Add	*750.76*	
		For >5 To 9, Deduct	*-183.33*	
		For >9, Deduct	*-366.65*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,938.11	161.26
		For 16 Gauge Stainless Steel, Add	*1,207.40*	
		For >5 To 9, Deduct	*-294.83*	
		For >9, Deduct	*-589.66*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,501.03	161.26
		For 16 Gauge Stainless Steel, Add	*1,113.43*	
		For >5 To 9, Deduct	*-271.88*	
		For >9, Deduct	*-543.77*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,234.29	161.26
		For 16 Gauge Stainless Steel, Add	*626.08*	
		For >5 To 9, Deduct	*-152.88*	
		For >9, Deduct	*-305.76*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,047.29	161.26
		For 16 Gauge Stainless Steel, Add	*1,015.88*	
		For >5 To 9, Deduct	*-248.06*	
		For >9, Deduct	*-496.13*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,097.67	161.26
		For 16 Gauge Stainless Steel, Add	*811.71*	
		For >5 To 9, Deduct	*-198.21*	
		For >9, Deduct	*-396.41*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	4,027.11	161.26
		For 16 Gauge Stainless Steel, Add	*796.54*	
		For >5 To 9, Deduct	*-194.50*	
		For >9, Deduct	*-389.01*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,965.58	166.17
		For 16 Gauge Stainless Steel, Add	*781.18*	
		For >5 To 9, Deduct	*-190.75*	
		For >9, Deduct	*-381.51*	
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,647.76	47.68
		For 16 Gauge Stainless Steel, Add	*333.76*	
		For >5 To 9, Deduct	*-81.50*	
		For >9, Deduct	*-163.00*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,632.62	50.58
		For 16 Gauge Stainless Steel, Add	*329.26*	
		For >5 To 9, Deduct	*-80.40*	
		For >9, Deduct	*-160.80*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,723.65	51.26
		For 16 Gauge Stainless Steel, Add	*348.53*	
		For >5 To 9, Deduct	*-85.11*	
		For >9, Deduct	*-170.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,616.83	51.26
		For 16 Gauge Stainless Steel, Add	*325.56*	
		For >5 To 9, Deduct	*-79.50*	
		For >9, Deduct	*-158.99*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,909.14	55.77
		For 16 Gauge Stainless Steel, Add	*386.48*	
		For >5 To 9, Deduct	*-94.37*	
		For >9, Deduct	*-188.74*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,843.48	55.77
		For 16 Gauge Stainless Steel, Add	*372.36*	
		For >5 To 9, Deduct	*-90.92*	
		For >9, Deduct	*-181.85*	

12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,390.57	56.76
		For 16 Gauge Stainless Steel, Add	*274.58*	
		For >5 To 9, Deduct	*-67.05*	
		For >9, Deduct	*-134.10*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,949.17	56.76
		For 16 Gauge Stainless Steel, Add	*394.68*	
		For >5 To 9, Deduct	*-96.37*	
		For >9, Deduct	*-192.75*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,843.33	56.76
		For 16 Gauge Stainless Steel, Add	*371.92*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,836.07	53.00
		For 16 Gauge Stainless Steel, Add	*371.94*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,723.37	53.00
		For 16 Gauge Stainless Steel, Add	*347.71*	
		For >5 To 9, Deduct	*-84.91*	
		For >9, Deduct	*-169.81*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,251.59	53.00
		For 16 Gauge Stainless Steel, Add	*461.28*	
		For >5 To 9, Deduct	*-112.64*	
		For >9, Deduct	*-225.27*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,270.61	53.00
		For 16 Gauge Stainless Steel, Add	*250.37*	
		For >5 To 9, Deduct	*-61.14*	
		For >9, Deduct	*-122.27*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,194.56	50.58
		For 16 Gauge Stainless Steel, Add	*235.08*	
		For >5 To 9, Deduct	*-57.40*	
		For >9, Deduct	*-114.81*	

12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,567.96	60.29
		For 16 Gauge Stainless Steel, Add	*526.19*	
		For >5 To 9, Deduct	*-128.49*	
		For >9, Deduct	*-256.98*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,311.20	60.29
		For 16 Gauge Stainless Steel, Add	*470.99*	
		For >5 To 9, Deduct	*-115.01*	
		For >9, Deduct	*-230.02*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,494.86	60.29
		For 16 Gauge Stainless Steel, Add	*295.47*	
		For >5 To 9, Deduct	*-72.15*	
		For >9, Deduct	*-144.30*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,448.19	55.49
		For 16 Gauge Stainless Steel, Add	*502.49*	
		For >5 To 9, Deduct	*-122.70*	
		For >9, Deduct	*-245.40*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,191.43	55.49
		For 16 Gauge Stainless Steel, Add	*447.29*	
		For >5 To 9, Deduct	*-109.22*	
		For >9, Deduct	*-218.44*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,375.09	55.49
		For 16 Gauge Stainless Steel, Add	*271.78*	
		For >5 To 9, Deduct	*-66.36*	
		For >9, Deduct	*-132.73*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,299.07	52.89
		For 16 Gauge Stainless Steel, Add	*256.57*	
		For >5 To 9, Deduct	*-62.65*	
		For >9, Deduct	*-125.30*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,672.57	62.02
		For 16 Gauge Stainless Steel, Add	*547.94*	
		For >5 To 9, Deduct	*-133.80*	
		For >9, Deduct	*-267.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,409.93	62.02
		For 16 Gauge Stainless Steel, Add	*491.47*	
		For >5 To 9, Deduct	*-120.01*	
		For >9, Deduct	*-240.02*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,599.47	62.02
		For 16 Gauge Stainless Steel, Add	*317.22*	
		For >5 To 9, Deduct	*-77.46*	
		For >9, Deduct	*-154.92*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,552.85	56.76
		For 16 Gauge Stainless Steel, Add	*524.47*	
		For >5 To 9, Deduct	*-128.07*	
		For >9, Deduct	*-256.13*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,297.07	56.76
		For 16 Gauge Stainless Steel, Add	*469.47*	
		For >5 To 9, Deduct	*-114.64*	
		For >9, Deduct	*-229.28*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,479.75	56.76
		For 16 Gauge Stainless Steel, Add	*293.75*	
		For >5 To 9, Deduct	*-71.73*	
		For >9, Deduct	*-143.46*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,405.69	54.05
		For 16 Gauge Stainless Steel, Add	*278.98*	
		For >5 To 9, Deduct	*-68.12*	
		For >9, Deduct	*-136.25*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,762.19	78.03
		For 16 Gauge Stainless Steel, Add	*560.35*	
		For >5 To 9, Deduct	*-136.83*	
		For >9, Deduct	*-273.66*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,780.52	73.63
		For 16 Gauge Stainless Steel, Add	*566.17*	
		For >5 To 9, Deduct	*-138.25*	
		For >9, Deduct	*-276.50*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,519.84	73.63
		For 16 Gauge Stainless Steel, Add	*510.12*	
		For >5 To 9, Deduct	*-124.56*	
		For >9, Deduct	*-249.13*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,705.46	73.63
		For 16 Gauge Stainless Steel, Add	*335.03*	
		For >5 To 9, Deduct	*-81.81*	
		For >9, Deduct	*-163.62*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,644.17	61.84
		For 16 Gauge Stainless Steel, Add	*541.91*	
		For >5 To 9, Deduct	*-132.33*	
		For >9, Deduct	*-264.65*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,385.45	61.84
		For 16 Gauge Stainless Steel, Add	*486.28*	
		For >5 To 9, Deduct	*-118.74*	
		For >9, Deduct	*-237.49*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,571.07	61.84
		For 16 Gauge Stainless Steel, Add	*311.19*	
		For >5 To 9, Deduct	*-75.99*	
		For >9, Deduct	*-151.98*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,398.37	78.03
		For 16 Gauge Stainless Steel, Add	*481.45*	
		For >5 To 9, Deduct	*-117.56*	
		For >9, Deduct	*-235.13*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,883.15	75.26
		For 16 Gauge Stainless Steel, Add	*587.52*	
		For >5 To 9, Deduct	*-143.46*	
		For >9, Deduct	*-286.93*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,626.39	75.26
		For 16 Gauge Stainless Steel, Add	*532.31*	
		For >5 To 9, Deduct	*-129.98*	
		For >9, Deduct	*-259.97*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,810.05	75.26
		For 16 Gauge Stainless Steel, Add	*356.80*	
		For >5 To 9, Deduct	*-87.13*	
		For >9, Deduct	*-174.25*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,748.94	62.43
		For 16 Gauge Stainless Steel, Add	*564.16*	
		For >5 To 9, Deduct	*-137.76*	
		For >9, Deduct	*-275.52*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,493.16	62.43
		For 16 Gauge Stainless Steel, Add	*509.17*	
		For >5 To 9, Deduct	*-124.33*	
		For >9, Deduct	*-248.67*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,675.84	62.43
		For 16 Gauge Stainless Steel, Add	*333.45*	
		For >5 To 9, Deduct	*-81.42*	
		For >9, Deduct	*-162.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0096		**Accessories** *(12 31 16 00-0001)*		
12 31 16 00-0097		**Stainless Steel Countertops** *(12 31 16 00-0096)*		
		Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	120.91	3.18
		For 14 Gauge Stainless Steel, Add	*25.32*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	110.19	3.18
		For 14 Gauge Stainless Steel, Add	*22.95*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	77.29	
12 31 16 00-0101		**Stainless Steel Wall Panels** *(12 31 16 00-0096)*		
12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	31.61	4.74
		For 18 Gauge Stainless Steel, Add	*5.99*	
		For 16 Gauge Stainless Steel, Add	*11.54*	
12 31 16 00-0103		**Pedestal Legs** *(12 31 16 00-0096)*		
12 31 16 00-0104	EA	Type 304 Stainless Steel Pedestal Leg	368.58	7.22
12 31 16 00-0105		**Stainless Steel Slanted Cabinet Top Enclosure** *(12 31 16 00-0096)*		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	384.74	12.90

12 35 Specialty Casework *(12 30)*

12 35 59 Display Casework *(12 35)*

See CSI section 10 12 00 00-0000 for display cases.

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001		**Modular Casework** *(12 35 70 13)*		
		Note: Midmark.		
12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	927.39	46.25
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,149.85	57.81
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,649.65	46.25
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,889.44	57.81
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,055.96	46.25
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,424.31	57.81
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,060.29	46.25
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,145.51	46.25
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,219.18	46.25
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,523.98	57.81
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,548.53	57.81
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,440.19	46.25
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,668.43	57.81
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,721.87	57.81
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,253.85	46.25
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,291.41	46.25
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,388.19	46.25
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,334.34	57.81
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,470.13	57.81
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,632.31	46.25
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,731.98	46.25
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,903.88	46.25
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,270.42	138.74
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	2,991.63	138.74
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	115.56	11.56
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	661.61	46.25
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	648.61	46.25
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	694.83	46.25
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	756.94	46.25
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	827.72	46.25
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	941.84	57.81
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,027.07	57.81
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,275.52	57.81
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,425.75	57.81
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	173.85	7.73
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	347.36	10.31
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	23.98	6.45

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 23 13-0001		**Plastic Laminate Countertops** *(12 36 23 13)* Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	11.62	5.15
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	14.41	5.15
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	28.89	1.54
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	42.94	
12 36 53		**Laboratory Countertops** *(12 36)*		
12 36 53 00-0001		**Epoxy Resin Laboratory Countertops** *(12 36 53)* Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	54.80	2.58
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	56.84	2.58
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	70.92	2.58
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	19.53	1.54
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	27.75	1.54
12 36 53 00-0007		**Epoxy Resin Laboratory Sinks** *(12 36 53)* Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0008		**Epoxy Resin Laboratory Undermount Sink** *(12 36 53 00-0007)*		
12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	481.45	74.31
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	491.70	74.31
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	601.26	74.31
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	491.70	74.31
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	519.50	80.56
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	556.02	80.56
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,314.79	80.56
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	639.47	80.56
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	656.83	86.11
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	845.15	86.11
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,045.96	86.11
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,479.33	86.11
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,193.47	86.11
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,675.81	86.11
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,719.87	88.20
12 36 53 00-0024		**Epoxy Resin Laboratory Drop-in Sink** *(12 36 53 00-0007)*		
12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	479.92	74.31
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	481.43	74.31
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	586.48	74.31
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	491.70	74.31
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	525.86	74.31
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	525.86	74.31
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	519.50	80.56
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	556.02	80.56
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	576.93	80.56
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	582.14	80.56
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	708.36	80.56
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	725.72	86.11
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	745.15	86.11
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	751.75	86.11
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,188.40	86.11
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	492.06	73.61
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	509.76	73.61
12 36 53 00-0042		**Epoxy Resin Laboratory ADA Drop-in Sink** *(12 36 53 00-0007)*		
12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	488.24	73.61
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	536.60	73.61
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	561.31	73.61
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	751.75	86.11
12 36 53 00-0047		**Epoxy Resin Laboratory Cup Sink** *(12 36 53 00-0007)*		
12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	277.11	59.73
12 36 53 00-0049		**Polypropylene Laboratory Countertops** *(12 36 53)* Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	20.61	2.58
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	23.63	2.58
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	27.50	2.58
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	8.13	1.54
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	10.65	1.54
12 36 53 00-0055		**Polypropylene Laboratory Sinks** *(12 36 53)* Note: Includes cut out for sinks, and sink strainer assembly set.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0056		**Polypropylene Laboratory Undermount Sink** *(12 36 53 00-0055)*		
12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	587.88	74.31
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	630.28	74.31
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	619.86	74.31
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	647.65	80.56
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	850.01	80.56
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	860.57	80.56
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	860.57	80.56
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	920.57	86.11
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	974.07	86.11
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	920.57	86.11
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,559.67	86.11
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,550.17	86.11
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	2,884.98	88.20
12 36 53 00-0070		**Polypropylene Laboratory Drop-in Sink** *(12 36 53 00-0055)*		
12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	481.42	74.31
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	883.57	74.31
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	523.77	74.31
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	513.37	74.31
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	754.09	80.56
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	541.14	80.56
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	754.09	80.56
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	732.68	80.56
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	711.88	80.56
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	754.09	80.56
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	814.08	86.11
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	867.56	86.11
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,389.90	86.11
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	440.74	73.61
12 36 53 00-0085		**Polypropylene Laboratory ADA Drop-in Sink** *(12 36 53 00-0055)*		
12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	711.88	80.56
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	843.60	86.11
12 36 53 00-0088		**Polypropylene Laboratory Cup Sink** *(12 36 53 00-0055)*		
12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	307.22	73.61
12 36 53 00-0090		**Phenolic Resin Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	43.62	2.58
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	50.40	2.58
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	55.13	2.58
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	15.06	1.54
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	20.97	1.54
12 36 53 00-0096		**High Pressure Laminate Laboratory Countertops** *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	21.66	2.58
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	23.22	2.58
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	23.22	2.58
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	11.96	1.54
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	11.96	1.54
12 36 61		**Simulated Stone Countertops** *(12 36)*		
12 36 61 16		**Solid Surfacing Countertops** *(12 36 61)*		
12 36 61 16-0001		**Solid Surface Countertops** *(12 36 61 16)*		
12 36 61 16-0002		**Solid Surface Countertops** *(12 36 61 16-0001)*		
		Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash	38.81	3.43
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	*13.15*	
		For >50 To 100, Add	*7.16*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	52.68	5.15
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	*17.70*	
		For >50 To 100, Add	*9.78*	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash	71.86	5.15
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	*24.38*	
		For >50 To 100, Add	*13.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	58.58	5.15
		For Up To 50, Add	*19.47*	
		For >50 To 100, Add	*10.96*	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	23.37	2.19
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop Note: Not including integral seamed sinks	77.29	

12 36 61 16-0009 Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)*

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	282.11	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	352.07	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	261.76	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	250.31	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	352.07	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	352.07	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	352.07	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	352.07	

12 36 61 16-0018 Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)*

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	342.71	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	565.32	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	743.41	
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	801.92	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	801.92	

12 36 61 19 Quartz Agglomerate Countertops *(12 36 61)*

12 36 61 19-0001 Quartz Agglomerate Countertops *(12 36 61 19)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	60.76	7.21
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	78.93	7.21
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	66.75	8.24
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	84.90	8.24
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	11.56	2.19
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	77.29	

12 40 Furnishings and Accessories *(12)*

12 41 Office Accessories *(12 40)*

12 41 11 Office Accessories *(12 41)*

12 41 11 00-0001 Wall Mounted Office Accessories *(12 41 11)*

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	22.26	1.90
12 41 11 00-0003	EA	Wall Mounted Flag	15.22	1.90

12 41 11 00-0004 Desk Edge Mounted Clamps *(12 41 11)*

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.	42.23	
		For >10 To 50, Deduct	*-10.45*	
		For >50, Deduct	*-16.72*	

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001 Floor Mats *(12 48 13 13)*

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	28.41	1.21
		For Colors, Add	*5.20*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	36.41	1.21
		For Colors, Add	*6.80*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	30.41	1.21
		For Colors, Add	*5.60*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	38.41	1.21
		For Colors, Add	*7.20*	

12 48 13 13-0006 Link Mats *(12 48 13 13)*

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	60.42	1.21
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	29.91	1.21
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	19.31	1.21
12 48 13 13-0010	SF	Vinyl Link Mats, Color	32.88	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0011	LF	Rubber Nosing	3.52	0.53
12 48 13 13-0012		**Duckboard** *(12 48 13 13)*		
12 48 13 13-0013	SF	Aluminum Slats	88.77	1.34
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	11.76	1.34
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	13.09	1.34
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	21.12	1.34
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	17.61	1.34
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	29.40	1.34
12 48 13 16		**Entrance Floor Mat Frames** *(12 48 13)*		
12 48 13 16-0001		**Recessed Frames** *(12 48 13 16)*		
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.45	2.06
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	9.59	2.06
12 50		**Furniture** *(12)*		
12 55		**Detention Furniture** *(12 50)*		
12 55 13		**Detention Bunks** *(12 55)*		
12 55 13 00-0001		**Wall Mounted Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	403.42	38.31
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	472.21	38.31
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	520.37	38.31
12 55 13 00-0005		**Floor Supported Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	900.99	53.15
12 55 13 00-0007	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	742.05	53.15
12 55 13 00-0008	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	403.42	38.31
12 55 13 00-0009	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	472.21	38.31
12 55 13 00-0010	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	520.37	38.31
12 55 13 00-0011		**Floor Mounted Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	403.42	38.31
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	472.21	38.31
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	520.37	38.31
12 55 13 00-0015		**Single Stackable Bunks** *(12 55 13)* Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	417.17	38.31
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	437.81	38.31
12 55 13 00-0018		**Double Bunks** *(12 55 13)* Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019	EA	Double Bunk Bed, 75" x 27", Up To 20	1,430.95	79.74
12 55 13 00-0020	EA	Double Bunk Bed, 75" x 27", Over 20	1,272.01	79.74
12 55 13 00-0021	EA	27" Wide x 80" Long x 52" High Double Bunk	772.94	51.07
12 55 13 00-0022	EA	32" Wide x 80" Long x 52" High Double Bunk	786.70	51.07
12 55 13 00-0023	EA	38" Wide x 80" Long x 52" High Double Bunk	845.18	51.07
12 55 13 00-0024		**Non-Removable Storage Drawers For Bunks/Beds** *(12 55 13)* Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	172.46	19.15
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	312.61	20.43
12 55 13 00-0027		**Expanded Metal Convertible Beds** *(12 55 13)* Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	418.77	38.31
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	447.30	38.31
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	475.81	38.31
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	55.53	
12 55 16		**Detention Desks** *(12 55)*		
12 55 16 00-0001		**Heavy-Duty Desk With Swing Arm Seat** *(12 55 16)* Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	678.36	40.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	871.21	40.86
12 55 16 00-0004		**Institutional Desk And Seat** *(12 55 16)*		
12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	1,218.85	53.15
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	1,059.92	53.15
12 55 16 00-0007	EA	Institutional Desk, Up To 20	1,059.92	53.15
12 55 16 00-0008	EA	Institutional Desk, Over 20	900.99	53.15
12 55 19		**Detention Stools** *(12 55)*		
12 55 19 00-0001		**Heavy-Duty Steel Bench** *(12 55 19)*		
		Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	401.86	30.64
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	496.41	33.20
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	553.07	35.75
12 55 19 00-0005		**Stationary Stools** *(12 55 19)*		
		Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA	Up To 20, 8" x 8" x 20" High, Floor Mounted Stool	310.06	21.26
12 55 19 00-0007	EA	>20, 8" x 8" x 20" High, Floor Mounted Stool	335.65	21.26
12 55 19 00-0008	EA	Up To 20, Wall Mounted Swivel Stool	434.59	26.58
12 55 19 00-0009	EA	>20, Wall Mounted Swivel Stool	339.23	26.58
12 55 19 00-0010	EA	12" Diameter x 18" High, Stainless Steel Stationary Stool	286.63	30.64
12 55 19 00-0011		**Cell Bench** *(12 55 19)*		
		Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	365.05	30.69
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	449.93	33.20
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	501.01	35.75
12 55 23		**Detention Tables** *(12 55)*		
12 55 23 00-0001		**Wall Mounted Table And Seat Set** *(12 55 23)*		
		Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	163.81	21.71
12 55 23 00-0003		**Heavy-Duty Picnic Style Table** *(12 55 23)*		
		Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,194.58	38.31
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,543.67	40.86
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,723.34	44.68
12 55 23 00-0007		**Heavy-Duty Picnic Style Table** *(12 55 23)*		
		Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,140.54	38.31
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,091.60	40.86
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,271.27	44.68
12 55 23 00-0011		**Heavy-Duty Pedestal Style Table** *(12 55 23)*		
		Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	1,061.39	31.92
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,771.66	34.47
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	2,656.51	38.31
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat	75.67	5.11
12 55 23 00-0016		**Heavy-Duty Pedestal Style Table** *(12 55 23)*		
		Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,026.83	61.13
12 55 23 00-0018	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,708.96	61.13
12 55 23 00-0019	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,673.19	66.44
12 55 23 00-0020	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,355.32	66.44
12 55 23 00-0021	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,955.31	71.76
12 55 23 00-0022	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,319.57	71.76
12 55 23 00-0023	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,353.78	31.92
12 55 23 00-0024	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,390.84	34.47
12 55 23 00-0025	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,499.28	38.31
12 55 23 00-0026	EA	12" Diameter Gray-Primed Steel Replacement Seats	49.98	5.11
12 55 26		**Detention Safety Clothes Hooks** *(12 55)*		
12 55 26 00-0001	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	360.40	21.26
12 55 26 00-0002	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	280.93	21.26
12 55 26 00-0003	EA	Safety Clothes Hook, Up To 20	135.17	11.96
12 55 26 00-0004	EA	Safety Clothes Hook, Over 20	166.80	11.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 26 00-0005	EA	Collapsible Clothes Hook, Screw Type	52.94	11.56
12 55 26 00-0006	EA	Collapsible Clothes Hook, Weld-On Type	46.82	10.21
12 55 26 00-0007	EA	8" x 18" Storage Shelf Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.	310.00	20.43

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	715.48	39.87
12 55 86 00-0002	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	636.01	39.87
12 55 86 00-0003	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates Note: Includes neoprene gaskets, baffle, wire cloth and security screws.	1,939.12	15.95
12 55 86 00-0004	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	821.26	13.29
12 55 86 00-0005	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	397.39	7.97
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	490.09	6.64
12 55 86 00-0007	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	164.50	43.35

12 56 Institutional Furniture *(12 50)*

12 56 53 Laboratory Furniture *(12 56)*

12 56 53 00-0001 Steel Laboratory Furniture *(12 56 53)*

12 56 53 00-0002 Modular Steel Laboratory Cabinets *(12 56 53 00-0001)*

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,263.71	44.59
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,260.81	44.59
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,379.15	48.66
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,300.84	48.66
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,557.04	54.91
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,606.95	56.71
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,772.33	62.54
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,840.97	64.96
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,787.93	63.06
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,794.18	63.32
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,897.14	66.93
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,856.56	65.48
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,480.66	87.52
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,527.31	89.16
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,789.54	98.41
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,833.35	99.95
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,596.18	91.60
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,889.33	101.97
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,790.73	101.97
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,623.85	92.36
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,597.75	92.36
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,808.27	99.07
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,785.10	98.92
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,051.36	107.53
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,142.11	110.84
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,438.46	121.26
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,519.45	124.15
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,936.22	103.56
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,761.48	97.43
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,120.29	110.07
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,967.41	104.70
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,329.45	117.44
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,329.45	117.44
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,644.36	128.54
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,513.46	123.95
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,081.36	143.97
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,098.76	144.02
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,449.58	156.97
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,493.27	158.52
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,995.62	176.22
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,151.65	181.74
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,849.73	181.64
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,460.47	192.62
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,335.70	188.25
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,371.42	83.65
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,298.91	83.85
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,474.38	87.26
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,401.88	87.26
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,323.10	117.24
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,873.78	101.34

12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,323.01	46.70
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,314.31	46.70
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,397.90	49.33
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,351.10	47.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,600.71	56.50
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,678.72	59.08
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,791.05	63.21
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,859.70	65.79
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,875.30	66.05
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,875.30	66.05
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,990.75	70.18
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,958.16	71.21
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,599.21	91.60
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,667.85	93.92
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,867.57	101.14
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,933.08	103.46
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,889.41	101.92
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,970.54	104.75
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,170.14	111.72
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,425.95	120.75
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,399.98	120.75
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,117.16	109.65
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,503.26	110.17
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,276.31	115.58
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,215.41	115.58
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,610.17	127.36
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,753.73	132.41
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,987.45	140.66
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	4,081.36	143.97
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,323.22	117.14
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,550.88	125.14
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,572.64	125.90
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,710.01	130.81
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,284.17	151.19
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,430.81	156.35
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,652.30	164.10
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,655.53	164.10
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,204.68	183.71
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,248.23	184.99
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,354.65	188.86
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,647.56	199.44
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,666.08	199.96
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,747.63	202.74
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,019.03	212.35
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,134.45	216.42
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,290.48	221.89
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,462.22	227.98
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,421.39	85.40
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,464.98	86.95
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,474.38	87.21
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,530.46	89.28
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,329.45	117.44
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,429.30	120.95
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,672.53	129.58
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,725.52	131.33
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,454.33	121.78
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	3,204.78	113.01
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,700.55	60.01
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,722.41	60.74
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,794.18	63.21
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,800.41	63.47
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,355.84	83.13
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,408.89	84.99
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,567.99	90.56
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,577.35	90.92
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,976.75	105.01
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,276.31	115.58
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,426.08	120.85
12 56 53 00-0123		25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,257.47	44.38
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,298.04	45.77
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,307.40	46.13
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,341.74	47.32
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,404.13	49.54
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,435.33	50.62
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,563.26	55.16
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,581.99	55.78
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,859.70	65.59
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,906.50	67.23
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,950.19	68.79
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,990.75	70.23
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,421.37	85.40
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,452.57	86.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,674.09	94.33
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,683.45	94.69
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,174.84	76.73
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,246.61	79.26
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,284.04	80.55
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,324.63	81.99
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,257.59	114.92
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,323.14	117.24
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,516.55	124.05
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,578.98	126.27
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,976.75	105.01
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,295.05	116.26
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,522.64	85.40
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,555.15	86.53
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,785.94	94.33
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,795.69	94.64
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,393.84	114.92
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,462.13	117.24
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,663.64	124.05
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,728.67	126.27
12 56 53 00-0158		**31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets** *(12 56 53 00-0002)*		
12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,372.93	48.50
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,413.50	49.79
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,419.74	50.05
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,435.33	50.57
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,525.84	53.93
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,569.51	55.21
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,862.82	65.79
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,903.38	67.08
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,937.72	68.37
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,987.62	70.18
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,021.96	71.47
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,118.69	74.57
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,617.95	92.36
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,655.38	93.65
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,951.79	104.24
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,011.08	106.30
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,305.89	81.28
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,374.55	83.60
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,408.87	84.89
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,471.28	87.21
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,363.68	118.43
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,460.41	122.04
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	4,031.40	142.17
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,866.09	126.17
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,294.99	116.36
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,922.20	138.55
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,727.45	92.36
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,766.44	93.65
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,075.25	104.13
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,137.02	106.19
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,504.36	118.68
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,605.14	122.09
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,200.02	142.22
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,028.70	126.27
12 56 53 00-0193		**Wood Laboratory Furniture** *(12 56 53)* Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.		
12 56 53 00-0194		**Wood Laboratory Cabinets** *(12 56 53 00-0193)*		
12 56 53 00-0195		**28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	914.96	40.76
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	944.64	42.06
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	974.31	43.35
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,003.98	44.89
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,115.28	49.79
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,189.46	52.89
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,243.86	55.21
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,310.63	58.31
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,112.79	49.54
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,152.37	51.35
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,177.09	52.38
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,209.23	53.93
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,555.47	69.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,651.77	73.53
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,706.28	75.86
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,773.16	78.95
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,634.50	72.76
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,691.55	75.33
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,735.97	77.40
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,795.34	79.72
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,661.78	73.79
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,728.56	77.14
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,778.01	79.21
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,834.89	81.79
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,599.03	115.58
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,754.76	122.56
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,811.62	125.14
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,922.94	130.04
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,977.36	132.36
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,115.82	138.81
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,207.28	142.93
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,318.58	147.83
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,231.49	54.96
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,276.00	57.02
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,303.20	58.05
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,340.31	59.60
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,988.19	88.50
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,079.70	92.57
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,139.04	95.21
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,215.72	98.61
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	2,596.53	115.58
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	2,878.41	128.23
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,013.88	45.15
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,046.03	46.54
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,065.81	47.42
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,090.54	48.56
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,397.18	62.18
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,468.88	65.38
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,510.94	67.23
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,555.43	69.25
12 56 53 00-0246		**35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,603.03	71.34
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,076.69	92.25
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,090.78	93.05
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,411.39	107.32
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,627.89	116.95
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,948.47	131.22
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,154.02	140.37
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,734.92	166.22
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	1,931.85	85.77
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,660.73	118.42
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,767.63	123.17
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	3,093.72	137.69
12 56 53 00-0259		**30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets** *(12 56 53 00-0194)*		
12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,088.07	48.50
		For 36" Height Cabinet, Add	*183.37*	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,130.11	50.05
		For 36" Height Cabinet, Add	*190.46*	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,159.79	51.60
		For 36" Height Cabinet, Add	*195.46*	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,058.39	46.96
		For 36" Height Cabinet, Add	*178.37*	
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,216.67	54.18
		For 36" Height Cabinet, Add	*205.04*	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,318.05	58.57
		For 36" Height Cabinet, Add	*222.13*	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,377.40	61.40
		For 36" Height Cabinet, Add	*232.13*	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,459.00	64.76
		For 36" Height Cabinet, Add	*245.89*	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,194.41	53.15
		For 36" Height Cabinet, Add	*201.29*	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,248.80	55.73
		For 36" Height Cabinet, Add	*210.46*	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,283.47	583.10
		For 36" Height Cabinet, Add	*22.05*	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,342.78	59.60
		For 36" Height Cabinet, Add	*226.30*	
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,755.76	78.18
		For 36" Height Cabinet, Add	*295.90*	
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,891.76	84.11
		For 36" Height Cabinet, Add	*318.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,978.31	88.24
		For 36" Height Cabinet, Add	*333.41*	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,082.16	92.62
		For 36" Height Cabinet, Add	*350.91*	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,337.82	59.60
		For 36" Height Cabinet, Add	*225.47*	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,389.76	61.92
		For 36" Height Cabinet, Add	*234.22*	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,429.31	63.47
		For 36" Height Cabinet, Add	*240.88*	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,483.72	66.05
		For 36" Height Cabinet, Add	*250.05*	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,045.08	91.08
		For 36" Height Cabinet, Add	*344.66*	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,176.14	96.75
		For 36" Height Cabinet, Add	*366.75*	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,235.47	99.60
		For 36" Height Cabinet, Add	*376.75*	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,371.48	105.53
		For 36" Height Cabinet, Add	*399.67*	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,829.95	81.28
		For 36" Height Cabinet, Add	*308.40*	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,975.72	87.98
		For 36" Height Cabinet, Add	*332.99*	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,109.32	93.92
		For 36" Height Cabinet, Add	*355.49*	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,257.69	100.62
		For 36" Height Cabinet, Add	*380.50*	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,210.87	98.30
		For 36" Height Cabinet, Add	*372.58*	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,349.32	104.50
		For 36" Height Cabinet, Add	*395.92*	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,423.41	107.85
		For 36" Height Cabinet, Add	*408.42*	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,556.93	113.78
		For 36" Height Cabinet, Add	*430.93*	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,695.54	119.97
		For 36" Height Cabinet, Add	*454.27*	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,806.67	125.14
		For 36" Height Cabinet, Add	*473.02*	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,345.25	59.86
		For 36" Height Cabinet, Add	*226.72*	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,473.84	65.53
		For 36" Height Cabinet, Add	*248.39*	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,545.55	68.89
		For 36" Height Cabinet, Add	*260.47*	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,642.00	72.76
		For 36" Height Cabinet, Add	*276.73*	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,251.28	55.73
		For 36" Height Cabinet, Add	*210.88*	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,318.05	58.82
		For 36" Height Cabinet, Add	*222.13*	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,357.60	60.64
		For 36" Height Cabinet, Add	*228.80*	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,414.48	62.69
		For 36" Height Cabinet, Add	*238.39*	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,857.16	82.57
		For 36" Height Cabinet, Add	*312.98*	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,015.40	89.53
		For 36" Height Cabinet, Add	*339.66*	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,104.43	93.92
		For 36" Height Cabinet, Add	*354.66*	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,223.10	98.82
		For 36" Height Cabinet, Add	*374.66*	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,399.64	62.44
		For 36" Height Cabinet, Add	*235.88*	
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,441.70	64.25
		For 36" Height Cabinet, Add	*242.97*	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,488.66	66.05
		For 36" Height Cabinet, Add	*250.89*	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,565.33	69.67
		For 36" Height Cabinet, Add	*263.81*	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,134.12	94.95
		For 36" Height Cabinet, Add	*359.66*	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,302.26	102.43
		For 36" Height Cabinet, Add	*388.00*	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,373.94	105.78
		For 36" Height Cabinet, Add	*400.09*	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,527.28	112.49
		For 36" Height Cabinet, Add	*425.93*	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,916.51	85.14
		For 36" Height Cabinet, Add	*322.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,119.14	94.43
		For 36" Height Cabinet, Add	*357.16*	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,225.54	99.07
		For 36" Height Cabinet, Add	*375.08*	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,378.97	106.04
		For 36" Height Cabinet, Add	*400.92*	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,309.81	102.68
		For 36" Height Cabinet, Add	*389.25*	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,455.66	109.14
		For 36" Height Cabinet, Add	*413.84*	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,554.48	113.78
		For 36" Height Cabinet, Add	*430.51*	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,692.94	119.72
		For 36" Height Cabinet, Add	*453.85*	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,821.66	125.65
		For 36" Height Cabinet, Add	*475.52*	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,912.98	129.78
		For 36" Height Cabinet, Add	*490.94*	
12 56 53 00-0325		Plastic Laminate Laboratory Furniture *(12 56 53)*		
12 56 53 00-0326		Plastic Laminate Laboratory Cabinets *(12 56 53 00-0325)*		
12 56 53 00-0327		28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet *(12 56 53 00-0326)*		
12 56 53 00-0328	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	939.90	40.71
12 56 53 00-0329	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	970.38	42.06
12 56 53 00-0330	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,000.86	43.35
12 56 53 00-0331	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,031.34	44.69
12 56 53 00-0332	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,145.67	49.64
12 56 53 00-0333	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,221.87	52.94
12 56 53 00-0334	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,277.75	55.37
12 56 53 00-0335	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,346.35	58.36
12 56 53 00-0336	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,143.12	49.54
12 56 53 00-0337	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,183.77	51.30
12 56 53 00-0338	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,209.17	52.38
12 56 53 00-0339	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,242.18	53.82
12 56 53 00-0340	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,597.86	69.25
12 56 53 00-0341	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,696.78	73.48
12 56 53 00-0342	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,752.78	75.96
12 56 53 00-0343	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,821.47	78.95
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,679.04	72.70
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,737.63	75.33
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,783.28	77.30
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,844.26	79.93
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,707.06	73.94
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,775.66	76.94
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,826.46	79.16
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,884.89	81.69
12 56 53 00-0352	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,402.91	49.54
12 56 53 00-0353	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,454.08	51.35
12 56 53 00-0354	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,485.23	52.38
12 56 53 00-0355	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,525.75	53.93
12 56 53 00-0356	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,161.63	93.65
12 56 53 00-0357	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,321.82	100.62
12 56 53 00-0358	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,379.97	103.21
12 56 53 00-0359	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,494.45	108.11
12 56 53 00-0360	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	1,265.04	54.80
12 56 53 00-0361	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	1,310.77	56.81
12 56 53 00-0362	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,338.72	58.00
12 56 53 00-0363	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,376.83	59.65
12 56 53 00-0364	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,042.37	88.50
12 56 53 00-0365	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,136.36	92.57
12 56 53 00-0366	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,197.33	95.21
12 56 53 00-0367	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,276.09	98.61
12 56 53 00-0368	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	2,667.32	115.58
12 56 53 00-0369	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	2,956.84	128.12
12 56 53 00-0370	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,041.51	45.15
12 56 53 00-0371	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,074.53	46.54
12 56 53 00-0372	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,094.85	47.42
12 56 53 00-0373	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,120.25	48.56
12 56 53 00-0374	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,435.25	62.18
12 56 53 00-0375	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,508.90	65.38
12 56 53 00-0376	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,552.11	67.23
12 56 53 00-0377	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,597.82	69.25
12 56 53 00-0378		30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*		
12 56 53 00-0379	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,117.71	48.45
		For 36" Height Cabinet, Add	*188.86*	
12 56 53 00-0380	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,160.91	50.31
		For 36" Height Cabinet, Add	*196.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0381	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,191.39	51.60
		For 36" Height Cabinet, Add	*201.31*	
12 56 53 00-0382	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,087.23	47.11
		For 36" Height Cabinet, Add	*183.71*	
12 56 53 00-0383	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,249.82	54.18
		For 36" Height Cabinet, Add	*211.18*	
12 56 53 00-0384	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,353.97	58.67
		For 36" Height Cabinet, Add	*228.78*	
12 56 53 00-0385	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,414.93	61.30
		For 36" Height Cabinet, Add	*239.08*	
12 56 53 00-0386	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,498.75	64.96
		For 36" Height Cabinet, Add	*253.24*	
12 56 53 00-0387	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,226.96	53.15
		For 36" Height Cabinet, Add	*207.31*	
12 56 53 00-0388	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,282.83	55.57
		For 36" Height Cabinet, Add	*216.76*	
12 56 53 00-0389	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,287.03	582.17
		For 36" Height Cabinet, Add	*22.71*	
12 56 53 00-0390	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,379.37	59.76
		For 36" Height Cabinet, Add	*233.07*	
12 56 53 00-0391	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,803.60	78.18
		For 36" Height Cabinet, Add	*304.75*	
12 56 53 00-0392	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,943.30	84.21
		For 36" Height Cabinet, Add	*328.35*	
12 56 53 00-0393	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,032.22	88.03
		For 36" Height Cabinet, Add	*343.38*	
12 56 53 00-0394	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,138.89	92.68
		For 36" Height Cabinet, Add	*361.40*	
12 56 53 00-0395	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,374.28	59.55
		For 36" Height Cabinet, Add	*232.21*	
12 56 53 00-0396	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,427.63	61.87
		For 36" Height Cabinet, Add	*241.22*	
12 56 53 00-0397	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,468.26	63.62
		For 36" Height Cabinet, Add	*248.09*	
12 56 53 00-0398	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,524.15	66.05
		For 36" Height Cabinet, Add	*257.53*	
12 56 53 00-0399	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,100.80	91.02
		For 36" Height Cabinet, Add	*354.97*	
12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,235.44	96.85
		For 36" Height Cabinet, Add	*377.72*	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,296.38	99.48
		For 36" Height Cabinet, Add	*388.02*	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,436.10	105.58
		For 36" Height Cabinet, Add	*411.63*	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,879.81	81.48
		For 36" Height Cabinet, Add	*317.62*	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,029.56	87.87
		For 36" Height Cabinet, Add	*342.95*	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,166.80	93.87
		For 36" Height Cabinet, Add	*366.13*	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,319.22	100.57
		For 36" Height Cabinet, Add	*391.88*	
12 56 53 00-0407	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,271.11	98.46
		For 36" Height Cabinet, Add	*383.73*	
12 56 53 00-0408	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,413.34	104.60
		For 36" Height Cabinet, Add	*407.76*	
12 56 53 00-0409	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,489.44	107.85
		For 36" Height Cabinet, Add	*420.64*	
12 56 53 00-0410	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,626.61	113.78
		For 36" Height Cabinet, Add	*443.82*	

12 56 53 00-0411 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*

12 56 53 00-0412	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,285.37	55.67
		For 36" Height Cabinet, Add	*217.19*	
12 56 53 00-0413	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,353.97	58.67
		For 36" Height Cabinet, Add	*228.78*	
12 56 53 00-0414	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,394.59	60.43
		For 36" Height Cabinet, Add	*235.64*	
12 56 53 00-0415	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,453.02	62.96
		For 36" Height Cabinet, Add	*245.52*	
12 56 53 00-0416	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,907.76	82.67
		For 36" Height Cabinet, Add	*322.35*	
12 56 53 00-0417	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,070.32	89.74
		For 36" Height Cabinet, Add	*349.82*	
12 56 53 00-0418	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,161.78	93.65
		For 36" Height Cabinet, Add	*365.27*	
12 56 53 00-0419	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,283.68	98.92
		For 36" Height Cabinet, Add	*385.87*	
12 56 53 00-0420	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,437.78	62.28
		For 36" Height Cabinet, Add	*242.94*	
12 56 53 00-0421	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,480.98	64.19
		For 36" Height Cabinet, Add	*250.24*	
12 56 53 00-0422	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,529.22	66.26
		For 36" Height Cabinet, Add	*258.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0423	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,607.98	69.67
		For 36" Height Cabinet, Add	*271.70*	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,192.27	95.00
		For 36" Height Cabinet, Add	*370.42*	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,365.00	102.48
		For 36" Height Cabinet, Add	*399.61*	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,438.63	105.63
		For 36" Height Cabinet, Add	*412.05*	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,596.15	112.49
		For 36" Height Cabinet, Add	*438.67*	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,968.74	85.30
		For 36" Height Cabinet, Add	*332.65*	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,176.89	94.28
		For 36" Height Cabinet, Add	*367.84*	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,286.18	99.02
		For 36" Height Cabinet, Add	*386.30*	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,443.79	105.94
		For 36" Height Cabinet, Add	*412.91*	
12 56 53 00-0432	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,372.75	102.89
		For 36" Height Cabinet, Add	*400.90*	
12 56 53 00-0433	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,522.57	109.34
		For 36" Height Cabinet, Add	*426.22*	
12 56 53 00-0434	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,624.09	113.68
		For 36" Height Cabinet, Add	*443.39*	
12 56 53 00-0435	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,766.32	119.87
		For 36" Height Cabinet, Add	*467.42*	

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Panel Hung Furniture, Office Systems *(12 59 13)*

12 59 13 00-0002	EA	Acoustic Panel, 43" High, 24" Wide, NRC .85	553.35
12 59 13 00-0003	EA	Acoustic Panel, 43" High, 30" Wide, NRC .85	617.74
12 59 13 00-0004	EA	Acoustic Panel, 43" High, 36" Wide, NRC .85	682.38
12 59 13 00-0005	EA	Acoustic Panel, 43" High, 48" Wide, NRC .85	817.49
12 59 13 00-0006	EA	Acoustic Panel, 64" High, 30" Wide, NRC .85	734.61
12 59 13 00-0007	EA	Acoustic Panel, 64" High, 36" Wide, NRC .85	786.80
12 59 13 00-0008	EA	Acoustic Panel, 64" High, 42" Wide, NRC .85	913.02
12 59 13 00-0009	EA	Acoustic Panel, 64" High, 48" Wide, NRC .85	968.29
12 59 13 00-0010	EA	Acoustic Panel, 64" High, 60" Wide, NRC .85	1,060.77
12 59 13 00-0011	EA	Bookshelf, 36" Wide, 13-3/4" Depth, 8" High	256.54
12 59 13 00-0012	EA	Bookshelf, 42" Wide, 13-3/4" Depth, 16" High	268.95
12 59 13 00-0013	EA	Bookshelf, 48" Wide, 13-3/4" Depth, 8" High	276.56
12 59 13 00-0014	EA	Cantilever Bracket, 20" Deep, 24" Deep	86.04
12 59 13 00-0015	PR	Countertop Bracket, Pair	35.96
12 59 13 00-0016	EA	Flat Bracket, 20" Deep, 24" Wide	44.41
12 59 13 00-0017	PR	Worksurface Kit, Pair	35.96
12 59 13 00-0018	EA	Connector Kit, Ell, 43" High, 90" Deep	155.14
12 59 13 00-0019	EA	Connector Kit, Ell, 64" High, 90" Deep	90.74
12 59 13 00-0020	EA	Connector Kit, Straight, 43" High	63.00
12 59 13 00-0021	EA	Connector Kit, Straight, 64" High	65.42
12 59 13 00-0022	EA	Support Column For Peninsula, 29-1/2" High	222.69
12 59 13 00-0023	EA	Countertop, 15" Deep, 36" Wide	291.99
12 59 13 00-0024	EA	Countertop, 15" Deep, 48" Wide	325.74
12 59 13 00-0025	EA	Duplex Receptacle Circuit 1	31.81
12 59 13 00-0026	EA	Duplex Receptacle Circuit 2	31.81
12 59 13 00-0027	EA	Electric Power Harness, 36" Wide	207.48
12 59 13 00-0028	EA	Electric Power Harness, 42" Wide	212.82
12 59 13 00-0029	EA	Electric Power Harness, 60" Wide	218.14
12 59 13 00-0030	EA	Panel End Cover, 43" High	63.00
12 59 13 00-0031	EA	Panel End Cover, 64" High	63.00
12 59 13 00-0032	EA	Finish End Cover, 2-way, Variable Height	95.30
12 59 13 00-0033	EA	Overhead Cabinet With Door, 42" Wide	599.47
12 59 13 00-0034	EA	Overhead Cabinet With Door, 60" Wide	910.19
12 59 13 00-0035	EA	Pedestal Spacer, 22" Deep, 15" Wide	103.04
12 59 13 00-0036	EA	Pedestal Spacer, 28" Deep, 15" Wide	124.46
12 59 13 00-0037	EA	Pedestal Box, Box, File, 22" Deep, 26" High	725.24
12 59 13 00-0038	EA	Pedestal Box, Box, File, 28" Deep, 26" High	756.12
12 59 13 00-0039	EA	Pedestal File, File, 22" Deep, 26" High	676.08
12 59 13 00-0040	EA	Pedestal Lateral File, 2 Drawer, 30" Wide	953.08
12 59 13 00-0041	EA	Base In Feed Power Cable	289.10
12 59 13 00-0042	EA	Task Light, Recessed, 30" - 36" Wide	281.25
12 59 13 00-0043	EA	Task Light, Recessed, 42" - 48" Wide	304.19
12 59 13 00-0044	EA	Task Light, Recessed, 60" Wide	329.01
12 59 13 00-0045	EA	Worksurface, Radius Edge, 24" Deep, 36" Wide	302.78
12 59 13 00-0046	EA	Worksurface, Radius Edge, 24" Deep, 42" Wide	371.86
12 59 13 00-0047	EA	Worksurface, Radius Edge, 24" Deep, 48" Wide	396.45
12 59 13 00-0048	EA	Worksurface, Radius Edge, 24" Deep, 60" Wide	497.87
12 59 13 00-0049	EA	Worksurface, Radius Edge, 24" Deep, 72" Wide	562.47
12 59 13 00-0050	EA	Worksurface, Radius Edge, 30" Deep, 42" Wide	476.54
12 59 13 00-0051	EA	Worksurface, Radius Edge, 30" Deep, 60" Wide	556.40
12 59 13 00-0052	EA	Worksurface, Radius Edge, 30" Deep, 72" Wide	633.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0053	EA	Worksurface, Radius Edge, Corner 24" Deep, 36" Wide	728.50	
12 59 13 00-0054	EA	Worksurface, Radius Edge, Corner 24" Deep, 42" Wide	827.28	
12 59 13 00-0055	EA	Worksurface, Peninsula, 36" Wide, 66" Long	953.08	
12 59 13 00-0056		**Open Office Systems Furniture Components** *(12 59 13)* Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0010 for wire, 26 27 26 00-0000 for wiring devices.		
12 59 13 00-0057	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	282.73	12.22
		For Tackable Acoustical Barrier Panel, Add	*58.01*	
		For Acoustical Panel, Add	*63.06*	
		For Enameled Surface, Deduct	*-25.22*	
12 59 13 00-0058	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	314.24	13.59
		For Tackable Acoustical Barrier Panel, Add	*64.47*	
		For Acoustical Panel, Add	*70.08*	
		For Enameled Surface, Deduct	*-28.03*	
12 59 13 00-0059	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	336.00	14.48
		For Tackable Acoustical Barrier Panel, Add	*68.94*	
		For Acoustical Panel, Add	*74.93*	
		For Enameled Surface, Deduct	*-29.97*	
12 59 13 00-0060	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	376.49	16.26
		For Tackable Acoustical Barrier Panel, Add	*77.25*	
		For Acoustical Panel, Add	*83.97*	
		For Enameled Surface, Deduct	*-33.59*	
12 59 13 00-0061	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	287.23	12.39
		For Tackable Acoustical Barrier Panel, Add	*58.93*	
		For Acoustical Panel, Add	*64.06*	
		For Enameled Surface, Deduct	*-25.62*	
12 59 13 00-0062	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	324.72	13.99
		For Tackable Acoustical Barrier Panel, Add	*66.63*	
		For Acoustical Panel, Add	*72.42*	
		For Enameled Surface, Deduct	*-28.97*	
12 59 13 00-0063	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	363.73	15.73
		For Tackable Acoustical Barrier Panel, Add	*74.63*	
		For Acoustical Panel, Add	*81.12*	
		For Enameled Surface, Deduct	*-32.45*	
12 59 13 00-0064	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	427.49	18.44
		For Tackable Acoustical Barrier Panel, Add	*87.71*	
		For Acoustical Panel, Add	*95.34*	
		For Enameled Surface, Deduct	*-38.14*	
12 59 13 00-0065	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	276.73	11.95
		For Tackable Acoustical Barrier Panel, Add	*56.78*	
		For Acoustical Panel, Add	*61.72*	
		For Enameled Surface, Deduct	*-24.69*	
12 59 13 00-0066	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	340.50	14.71
		For Tackable Acoustical Barrier Panel, Add	*69.86*	
		For Acoustical Panel, Add	*75.94*	
		For Enameled Surface, Deduct	*-30.38*	
12 59 13 00-0067	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	426.01	18.40
		For Tackable Acoustical Barrier Panel, Add	*87.40*	
		For Acoustical Panel, Add	*95.01*	
		For Enameled Surface, Deduct	*-38.00*	
12 59 13 00-0068	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	509.98	21.99
		For Tackable Acoustical Barrier Panel, Add	*104.64*	
		For Acoustical Panel, Add	*113.74*	
		For Enameled Surface, Deduct	*-45.50*	
12 59 13 00-0069	EA	34" Draw Rod Panel Connector Hardware	15.44	0.67
12 59 13 00-0070	EA	42" Draw Rod Panel Connector Hardware	15.44	0.67
12 59 13 00-0071	EA	62" Draw Rod Panel Connector Hardware	16.47	0.71
12 59 13 00-0072	EA	34" Two-Way 90 Degree Panel Connector Hardware	71.02	3.06
12 59 13 00-0073	EA	42" Two-Way 90 Degree Panel Connector Hardware	82.34	3.56
12 59 13 00-0074	EA	62" Two-Way 90 Degree Panel Connector Hardware	94.70	4.08
12 59 13 00-0075	EA	34" Three-Way 90 Degree Panel Connector Hardware	110.15	4.75
12 59 13 00-0076	EA	42" Three-Way 90 Degree Panel Connector Hardware	127.65	5.51
12 59 13 00-0077	EA	62" Three-Way 90 Degree Panel Connector Hardware	148.23	6.40
12 59 13 00-0078	EA	34" Four-Way 90 Degree Panel Connector Hardware	138.97	5.99
12 59 13 00-0079	EA	42" Four-Way 90 Degree Panel Connector Hardware	162.65	7.01
12 59 13 00-0080	EA	62" Four-Way 90 Degree Panel Connector Hardware	195.58	8.44
12 59 13 00-0081	EA	34" Panel End Cap Hardware	23.68	1.02
12 59 13 00-0082	EA	42" Panel End Cap Hardware	26.77	1.15
12 59 13 00-0083	EA	62" Panel End Cap Hardware	28.82	1.24
12 59 13 00-0084	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	26.12	1.15
12 59 13 00-0085	EA	Two-Way Trim Cover For Cable Management Raceway	13.45	0.58
12 59 13 00-0086	EA	Three-Way Trim Cover For Cable Management Raceway	14.18	0.63
12 59 13 00-0087	EA	Four-Way Trim Cover For Cable Management Raceway	16.41	0.71
12 59 13 00-0088	EA	Finished End Trim Cover For Cable Management Raceway	13.45	0.58
12 59 13 00-0089	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	27.62	1.20
12 59 13 00-0090	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	31.36	1.33
12 59 13 00-0091	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	32.09	1.37
12 59 13 00-0092	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	35.83	1.56
12 59 13 00-0093	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	40.29	1.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0094	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	216.74	9.33
12 59 13 00-0095	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	267.00	11.50
12 59 13 00-0096	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	252.00	10.89
12 59 13 00-0097	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	315.00	13.59
12 59 13 00-0098	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	317.98	13.73
12 59 13 00-0099	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	400.50	17.32
12 59 13 00-0100	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	386.22	16.66
12 59 13 00-0101	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	485.22	20.92
12 59 13 00-0102	EA	30" x 60" Radiused Edge Table	861.96	37.23
12 59 13 00-0103	EA	30" x 72" Radiused Edge Table	941.89	40.69
12 59 13 00-0104	EA	14" x 24" Radiused Edge Transaction Surface	103.50	4.49
12 59 13 00-0105	EA	14" x 36" Radiused Edge Transaction Surface	117.74	5.06
12 59 13 00-0106	EA	14" x 48" Radiused Edge Transaction Surface	132.00	5.69
12 59 13 00-0107	EA	14" x 60" Radiused Edge Transaction Surface	164.24	7.11
12 59 13 00-0108	EA	14" x 72" Radiused Edge Transaction Surface	197.24	8.53
12 59 13 00-0109	EA	14" Right Angle Corner Transaction Surface	345.01	14.88
12 59 13 00-0110	EA	Transaction Surface Support	27.34	1.17
12 59 13 00-0111	EA	Plastic Pencil Drawer	30.29	1.15
12 59 13 00-0112	EA	15-1/2" x 24" Hanging Shelf	100.77	4.36
12 59 13 00-0113	EA	15-1/2" x 36" Hanging Shelf	109.71	4.71
12 59 13 00-0114	EA	15-1/2" x 48" Hanging Shelf	117.17	5.06
12 59 13 00-0115	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	173.88	7.51
12 59 13 00-0116	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	203.00	8.79
12 59 13 00-0117	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	232.85	10.04
12 59 13 00-0118	EA	24" Suspended Lateral File, Lockable	600.06	25.74
12 59 13 00-0119	EA	30" Suspended Lateral File, Lockable	633.79	27.19
12 59 13 00-0120	EA	36" Suspended Lateral File, Lockable	668.73	28.68
12 59 13 00-0121	EA	48" Suspended Lateral File, Lockable	731.40	31.37
12 59 13 00-0122	EA	Fully Adjustable Vinyl Keyboard Tray	271.67	11.72
12 59 13 00-0123	EA	Palm Rest For Vinyl Keyboard Tray	42.53	1.87
12 59 13 00-0124	EA	24" x 36" Radiused Edge Corner Work Surface	343.23	14.84
12 59 13 00-0125	EA	File Drawer Organizer	110.48	4.75
12 59 13 00-0126	EA	Suspended Lateral File Converter Bracket	23.88	1.02
12 59 13 00-0127	EA	Utility Task Light	119.41	5.15

12 59 13 00-0128 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0129	EA	Disassemble And Store 34H 24W Fabric Covered Panel	15.26	
12 59 13 00-0130	EA	Disassemble And Store 34H 30W Fabric Covered Panel	16.96	
12 59 13 00-0131	EA	Disassemble And Store 34H 36W Fabric Covered Panel	18.14	
12 59 13 00-0132	EA	Disassemble And Store 34H 48W Fabric Covered Panel	20.33	
12 59 13 00-0133	EA	Disassemble And Store 42H 24W Fabric Covered Panel	15.50	
12 59 13 00-0134	EA	Disassemble And Store 42H 30W Fabric Covered Panel	17.54	
12 59 13 00-0135	EA	Disassemble And Store 42H 36W Fabric Covered Panel	19.64	
12 59 13 00-0136	EA	Disassemble And Store 42H 48W Fabric Covered Panel	23.09	
12 59 13 00-0137	EA	Disassemble And Store 62H 12W Fabric Covered Panel	14.94	
12 59 13 00-0138	EA	Disassemble And Store 62H 24W Fabric Covered Panel	18.39	
12 59 13 00-0139	EA	Disassemble And Store 62H 36W Fabric Covered Panel	23.00	
12 59 13 00-0140	EA	Disassemble And Store 62H 48W Fabric Covered Panel	27.53	
12 59 13 00-0141	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	0.83	
12 59 13 00-0142	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	0.83	
12 59 13 00-0143	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	0.89	
12 59 13 00-0144	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	3.83	
12 59 13 00-0145	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	4.45	
12 59 13 00-0146	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	5.11	
12 59 13 00-0147	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	5.94	
12 59 13 00-0148	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	6.89	
12 59 13 00-0149	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	8.00	
12 59 13 00-0150	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	7.50	
12 59 13 00-0151	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	8.78	
12 59 13 00-0152	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	10.56	
12 59 13 00-0153	EA	Disassemble And Store 34" Panel End Cap Hardware	1.27	
12 59 13 00-0154	EA	Disassemble And Store 42" Panel End Cap Hardware	1.45	
12 59 13 00-0155	EA	Disassemble And Store 62" Panel End Cap Hardware	1.56	
12 59 13 00-0156	EA	Disassemble And Store Variable Height Panel End Filler	1.42	
12 59 13 00-0157	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	0.73	
12 59 13 00-0158	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	0.77	
12 59 13 00-0159	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	0.89	
12 59 13 00-0160	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	0.73	
12 59 13 00-0161	EA	Disassemble And Store 12" Cable Management Raceway Assembly	1.50	
12 59 13 00-0162	EA	Disassemble And Store 24" Cable Management Raceway Assembly	1.69	
12 59 13 00-0163	EA	Disassemble And Store 30" Cable Management Raceway Assembly	1.73	
12 59 13 00-0164	EA	Disassemble And Store 36" Cable Management Raceway Assembly	1.93	
12 59 13 00-0165	EA	Disassemble And Store 48" Cable Management Raceway Assembly	2.17	
12 59 13 00-0166	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	11.70	
12 59 13 00-0167	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	14.41	
12 59 13 00-0168	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	13.60	
12 59 13 00-0169	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	17.01	
12 59 13 00-0170	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	17.17	
12 59 13 00-0171	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	21.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0172	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	20.85	
12 59 13 00-0173	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	26.20	
12 59 13 00-0174	EA	Disassemble And Store 30" x 60" Radiused Edge Table	40.46	
12 59 13 00-0175	EA	Disassemble And Store 30" x 72" Radiused Edge Table	50.84	
12 59 13 00-0176	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	5.59	
12 59 13 00-0177	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	6.36	
12 59 13 00-0178	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	7.13	
12 59 13 00-0179	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	8.86	
12 59 13 00-0180	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	10.65	
12 59 13 00-0181	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	18.63	
12 59 13 00-0182	EA	Disassemble And Store Transaction Surface Support	1.48	
12 59 13 00-0183	EA	Disassemble And Store Plastic Pencil Drawer	1.46	
12 59 13 00-0184	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	5.44	
12 59 13 00-0185	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	5.92	
12 59 13 00-0186	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	6.33	
12 59 13 00-0187	EA	Disassemble And Store 24" Flipper Door And Shelf	9.39	
12 59 13 00-0188	EA	Disassemble And Store 36" Flipper Door And Shelf	10.96	
12 59 13 00-0189	EA	Disassemble And Store 48" Flipper Door And Shelf	12.57	
12 59 13 00-0190	EA	Disassemble And Store 24" Suspended Lateral File	32.18	
12 59 13 00-0191	EA	Disassemble And Store 30" Suspended Lateral File	33.98	
12 59 13 00-0192	EA	Disassemble And Store 36" Suspended Lateral File	35.86	
12 59 13 00-0193	EA	Disassemble And Store 48" Suspended Lateral File	39.22	
12 59 13 00-0194	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	14.67	
12 59 13 00-0195	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	18.54	
12 59 13 00-0196	EA	Disassemble And Store Utility Task Light	6.45	

12 59 13 00-0197 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0198	EA	Reconfigure 34H 24W Fabric Covered Panel	16.27	
12 59 13 00-0199	EA	Reconfigure 34H 30W Fabric Covered Panel	18.09	
12 59 13 00-0200	EA	Reconfigure 34H 36W Fabric Covered Panel	19.35	
12 59 13 00-0201	EA	Reconfigure 34H 48W Fabric Covered Panel	21.67	
12 59 13 00-0202	EA	Reconfigure 42H 24W Fabric Covered Panel	16.54	
12 59 13 00-0203	EA	Reconfigure 42H 30W Fabric Covered Panel	18.69	
12 59 13 00-0204	EA	Reconfigure 42H 36W Fabric Covered Panel	20.94	
12 59 13 00-0205	EA	Reconfigure 42H 48W Fabric Covered Panel	24.61	
12 59 13 00-0206	EA	Reconfigure 62H 12W Fabric Covered Panel	15.93	
12 59 13 00-0207	EA	Reconfigure 62H 24W Fabric Covered Panel	19.60	
12 59 13 00-0208	EA	Reconfigure 62H 36W Fabric Covered Panel	24.52	
12 59 13 00-0209	EA	Reconfigure 62H 48W Fabric Covered Panel	29.35	
12 59 13 00-0210	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	0.89	
12 59 13 00-0211	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	0.89	
12 59 13 00-0212	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	0.95	
12 59 13 00-0213	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	4.09	
12 59 13 00-0214	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	4.74	
12 59 13 00-0215	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	5.45	
12 59 13 00-0216	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	6.34	
12 59 13 00-0217	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	7.35	
12 59 13 00-0218	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	8.53	
12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	7.99	
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	9.36	
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	11.26	
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware	1.36	
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware	1.54	
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware	1.66	
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler	1.51	
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	0.78	
12 59 13 00-0227	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	0.82	
12 59 13 00-0228	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	0.94	
12 59 13 00-0229	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	0.78	
12 59 13 00-0230	EA	Reconfigure 12" Cable Management Raceway Assembly	1.59	
12 59 13 00-0231	EA	Reconfigure 24" Cable Management Raceway Assembly	1.81	
12 59 13 00-0232	EA	Reconfigure 30" Cable Management Raceway Assembly	1.85	
12 59 13 00-0233	EA	Reconfigure 36" Cable Management Raceway Assembly	2.06	
12 59 13 00-0234	EA	Reconfigure 48" Cable Management Raceway Assembly	2.31	
12 59 13 00-0235	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	12.47	
12 59 13 00-0236	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	15.37	
12 59 13 00-0237	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	14.50	
12 59 13 00-0238	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	18.13	
12 59 13 00-0239	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	18.30	
12 59 13 00-0240	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	23.05	
12 59 13 00-0241	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	22.24	
12 59 13 00-0242	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	27.93	
12 59 13 00-0243	EA	Reconfigure 30" x 60" Radiused Edge Table	49.63	
12 59 13 00-0244	EA	Reconfigure 30" x 72" Radiused Edge Table	54.23	
12 59 13 00-0245	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	5.95	
12 59 13 00-0246	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	6.78	
12 59 13 00-0247	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	7.60	
12 59 13 00-0248	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	9.45	
12 59 13 00-0249	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	11.35	
12 59 13 00-0250	EA	Reconfigure 14" Right Angle Corner Transaction Surface	19.86	
12 59 13 00-0251	EA	Reconfigure Transaction Surface Support	1.57	
12 59 13 00-0252	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	5.80	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0253	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	6.32	
12 59 13 00-0254	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	6.74	
12 59 13 00-0255	EA	Reconfigure 24" Flipper Door And Shelf	10.01	
12 59 13 00-0256	EA	Reconfigure 36" Flipper Door And Shelf	11.68	
12 59 13 00-0257	EA	Reconfigure 48" Flipper Door And Shelf	13.40	
12 59 13 00-0258	EA	Reconfigure 24" Suspended Lateral File	34.32	
12 59 13 00-0259	EA	Reconfigure 30" Suspended Lateral File	36.25	
12 59 13 00-0260	EA	Reconfigure 36" Suspended Lateral File	38.26	
12 59 13 00-0261	EA	Reconfigure 48" Suspended Lateral File	41.83	
12 59 13 00-0262	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	19.76	

12 59 16 Free-Standing Component System Furniture *(12 59)*

12 59 16 00-0001 Furniture, Office Systems *(12 59 16)*

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	780.82	
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	994.13	
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,091.25	
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,176.00	
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep	1,043.14	
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	864.02	
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep	983.51	
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep	1,042.23	
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm	596.75	
12 59 16 00-0011	EA	End Support Leg	405.69	
12 59 16 00-0012	EA	Modesty Panel, 48" Wide	175.15	
12 59 16 00-0013	EA	Modesty Panel, Return	190.61	
12 59 16 00-0014	EA	Pencil/Utility Drawer	311.75	
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High	510.03	
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High	703.76	
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide	1,076.00	
12 59 16 00-0018	EA	Printer Stand, Universal	1,472.68	
12 59 16 00-0019	EA	Paper Basket	127.50	
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide	1,702.35	
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide	2,011.62	
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72"	1,132.51	
12 59 16 00-0023	EA	Return Table, 24" x 48"	835.01	
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	953.08	
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide	587.52	
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide	556.40	
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide	769.07	
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide	804.54	
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	871.17	
12 59 16 00-0030	EA	Peninsula, 30" x 60"	1,216.37	
12 59 16 00-0031	EA	Connector Plate	31.82	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	479.24	22.34
		For >100 To 249, Deduct	*-64.60*	
		For >249 To 749, Deduct	*-77.52*	
		For >749, Deduct	*-86.14*	
		For Up To 9, Add	*702.01*	
		For >9 To 24, Add	*279.94*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	507.11	22.34
		For >100 To 249, Deduct	*-68.78*	
		For >249 To 749, Deduct	*-82.54*	
		For >749, Deduct	*-91.71*	
		For Up To 9, Add	*701.58*	
		For >9 To 24, Add	*279.72*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	633.54	22.34
		For >100 To 249, Deduct	*-87.75*	
		For >249 To 749, Deduct	*-105.30*	
		For >749, Deduct	*-117.00*	
		For Up To 9, Add	*701.98*	
		For >9 To 24, Add	*280.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4) Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms	661.78	22.34
		For >100 To 249, Deduct	*-91.98*	
		For >249 To 749, Deduct	*-110.38*	
		For >749, Deduct	*-122.64*	
		For Up To 9, Add	*699.07*	
		For >9 To 24, Add	*282.08*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	413.00	22.34
		For >100 To 249, Deduct	*-54.67*	
		For >249 To 749, Deduct	*-65.60*	
		For >749, Deduct	*-72.89*	
		For Up To 9, Add	*703.37*	
		For >9 To 24, Add	*280.62*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	418.57	22.34
		For >100 To 249, Deduct	*-55.50*	
		For >249 To 749, Deduct	*-66.60*	
		For >749, Deduct	*-74.00*	
		For Up To 9, Add	*703.02*	
		For >9 To 24, Add	*281.21*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4) Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	442.50	22.34
		For >100 To 249, Deduct	*-59.09*	
		For >249 To 749, Deduct	*-70.91*	
		For >749, Deduct	*-78.79*	
		For Up To 9, Add	*701.21*	
		For >9 To 24, Add	*279.70*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30) Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.	301.09	22.34
		For >100 To 249, Deduct	*-37.88*	
		For >249 To 749, Deduct	*-45.46*	
		For >749, Deduct	*-50.51*	
		For Up To 9, Add	*691.93*	
		For >9 To 24, Add	*277.78*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30) Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.	343.17	22.34
		For >100 To 249, Deduct	*-44.19*	
		For >249 To 749, Deduct	*-53.03*	
		For >749, Deduct	*-58.92*	
		For Up To 9, Add	*692.33*	
		For >9 To 24, Add	*276.93*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*12.99*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*16.59*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002 EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4) 505.45 22.34
Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.
For >100 To 249, Deduct -68.53
For >249 To 749, Deduct -82.24
For >749, Deduct -91.38
For Up To 9, Add 726.46
For >9 To 24, Add 292.41
For Expansion Anchor Mounting With Anchor Caps, Add 12.99
For Epoxy Anchor Mounting With Anchor Caps, Add 16.59

12 61 19 00-0003 EA Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4) 528.06 22.34
Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.
For >100 To 249, Deduct -71.93
For >249 To 749, Deduct -86.31
For >749, Deduct -95.90
For Up To 9, Add 695.28
For >9 To 24, Add 278.11
For Expansion Anchor Mounting With Anchor Caps, Add 12.99
For Epoxy Anchor Mounting With Anchor Caps, Add 16.59

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002 EA 100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) 175.49
For >100 To 249, Deduct -25.59
For >249 To 749, Deduct -30.71
For >749, Deduct -34.13

12 61 21 00-0003 EA 120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) 178.77
For >100 To 249, Deduct -26.09
For >249 To 749, Deduct -31.30
For >749, Deduct -34.78

12 61 21 00-0004 EA 151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin) 187.33
For >100 To 249, Deduct -27.37
For >249 To 749, Deduct -32.84
For >749, Deduct -36.49

12 61 21 00-0005 EA 98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) 175.49
For >100 To 249, Deduct -25.59
For >249 To 749, Deduct -30.71
For >749, Deduct -34.13

12 61 21 00-0006 EA 105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin) 188.05
For >100 To 249, Deduct -27.48
For >249 To 749, Deduct -32.97
For >749, Deduct -36.64

12 61 21 00-0007 EA Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin) 14.70

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

12 62 23 00-0003 SEA 2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat 173.98 1.98
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure 165.00
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure 335.00

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence.

12 62 23 00-0005 SEA 5 Rows, Non-Elevated Portable Aluminum Bleacher 233.96 1.98
Note: Including side and back fence.
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add 35.00

12 62 23 00-0006 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher 268.23 2.08
Note: Including side and back fence.
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add 35.00

12 62 23 00-0007 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher 279.93 2.18
Note: Including side and back fence.
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add 35.00

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence and center aisle with rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	375.32	2.23
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	430.75	2.35
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	467.88	2.48
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 66 Telescoping Stands *(12 60)*

12 66 13 Telescoping Bleachers *(12 66)*

12 66 13 00-0001 Wall Mounted Telescoping Bleachers *(12 66 13)*

Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additonal optional accessories.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	258.02	10.06
		For Aluminum Seating And Walks, Add	*104.50*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	296.50	13.10
		For Aluminum Seating And Walks, Add	*120.89*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	339.01	13.52
		For Aluminum Seating And Walks, Add	*139.09*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	369.69	13.83
		For Aluminum Seating And Walks, Add	*151.96*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	266.67	10.06
		For Aluminum Seating And Walks, Add	*108.39*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	313.63	13.10
		For Aluminum Seating And Walks, Add	*128.60*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	362.21	13.52
		For Aluminum Seating And Walks, Add	*149.53*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	399.26	13.83
		For Aluminum Seating And Walks, Add	*165.27*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	275.39	10.06
		For Aluminum Seating And Walks, Add	*112.32*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	330.75	13.10
		For Aluminum Seating And Walks, Add	*136.30*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	385.66	13.52
		For Aluminum Seating And Walks, Add	*160.08*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	440.51	13.83
		For Aluminum Seating And Walks, Add	*178.49*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0014 Portable Telescoping Bleachers *(12 66 13)*

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing	292.09	10.06
		For Aluminum Seating And Walks, Add	*119.83*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	336.79	13.10
		For Aluminum Seating And Walks, Add	*139.02*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	385.37	13.52
		For Aluminum Seating And Walks, Add	*159.95*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	420.35	13.83
		For Aluminum Seating And Walks, Add	*174.76*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0019		**Options And Accessories** *(12 66 13)*		
12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	229.45	1.81
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	71.10	1.81
12 66 13 00-0022	EA	Self Storing Side Railing	253.68	2.07
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	174.76	1.86
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	13.20	0.51
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	38.76	0.51
12 66 13 00-0026	SF	Rear Filler Panel	58.05	0.26
12 66 13 00-0027	EA	4' Scorer/Timer Table	458.50	8.78
12 66 13 00-0028	EA	8' Scorer/Timer Table	584.70	13.42
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	11,733.56	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	13,161.49	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	3.61	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.80	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread	162.03	15.48
		For Intermediate Steps, Add	*16.20*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread	506.19	20.64
		For Intermediate Steps, Add	*50.62*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	149.71	6.45
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	103.05	6.45
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	720.40	19.35
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	1,517.05	28.38
12 66 13 00-0039	EA	Portable Operator's Handle	450.74	

END OF SECTION 12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 01 Operation and Maintenance of Special Construction *(13)*

13 01 10 Operation and Maintenance of Special Facility Components *(13 01)*

13 01 11 Operation and Maintenance of Swimming Pools *(13 01 10)*

13 01 11 11 Operation and Maintenance of Swimming Pools *(13 01 11)*

13 01 11 11-0001 Pool Restoration Items *(13 01 11 11)*

13 01 11 11-0002	LF	Saw Cutting Pool Floor	7.07	
13 01 11 11-0003	SF	Demolish Pool Floor	12.86	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	17.99	
13 01 11 11-0005	LF	Demolish Pool Coping	10.72	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	5.76	
13 01 11 11-0007	LF	Install Pool Coping	82.44	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	299.92	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	102.83	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	171.38	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	342.78	
13 01 11 11-0012	EA	12 Volt, LED Pool Light	760.98	
13 01 11 11-0013	EA	Bond/Set Pool Anchors	109.44	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	342.90	
13 01 11 11-0015	LF	Form Pool Gutter	12.00	
13 01 11 11-0016	LF	Float Pool Gutter Lip	17.99	
13 01 11 11-0017	LF	Theroseal Pool Gutter	9.16	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	7.34	
13 01 11 11-0019	EA	Pool Start-up	6,869.49	
13 01 11 11-0020	SF	Up To 1/2" Thick Troweled Pool Plaster	3.10	
		For Radius Or Irregular Surface, Add	*0.94*	
		For Up To 25, Add	*0.66*	
		For >25 To 50, Add	*0.39*	
		For >50 To 150, Add	*0.18*	
13 01 11 11-0021	SF	>1/2" To 1" Thick Troweled Pool Plaster	4.40	
		For Radius Or Irregular Surface, Add	*1.36*	
		For Up To 25, Add	*0.95*	
		For >25 To 50, Add	*0.56*	
		For >50 To 150, Add	*0.26*	
13 01 11 11-0022	SF	1" x 1" Glass Pool Tile Sheet	17.52	1.20
13 01 11 11-0023	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	22.01	1.20
13 01 11 11-0024	SF	6" x 6" Porcelain Pool Tile	27.67	1.20

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	28,670.54	1,290.04
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	32,926.15	1,290.04
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	17,759.15	516.01
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	21,190.70	516.01
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	6,419.39	239.43

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	8,616.20	190.93
		For Wheel Adjuster, Add	*94.08*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	5,327.30	190.93
		For Wheel Adjuster, Add	*94.08*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	2,779.06	158.42
		For Wheel Adjuster, Add	*90.47*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	3,763.48	169.25
		For Wheel Adjuster, Add	*91.67*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	4,723.98	180.61
		For Wheel Adjuster, Add	*92.92*	

13 11 46 00-0013 Heavy-Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	1,530.38	73.79
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,398.37	73.79
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	1,752.52	85.14
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	2,964.90	85.14

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	3,944.98	190.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	5,336.27	190.93
13 11 46 00-0021		**Underwater Lights** *(13 11 46)*		
13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	292.88	55.57
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	284.53	55.57
13 11 46 00-0024		**Pool Covers** *(13 11 46)*		
		Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	8.30	3.11
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	8.19	3.11
13 11 46 00-0027		**Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide	5,536.82	290.26
13 11 46 00-0029		**Curved Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	11,798.94	394.91
13 11 46 00-0031		**Pool Equipment And Accessories** *(13 11 46)*		
13 11 46 00-0032	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount	7,606.98	
		Note: Spectrum #5030.		
13 11 46 00-0033	EA	Swim Lift, With Arm, Stainless Steel, Deck Mount	11,055.89	
		Note: Spectrum Traveler XRC #26705.		
13 11 46 00-0034	EA	Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High	8,734.28	193.50
		Note: Paragon #37-164 "Lookout Dual Side Mount".		
13 11 46 00-0035	EA	Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High	14,824.50	206.40
		Note: Paragon #37-164 "Lookout Platform".		
13 11 46 00-0036	EA	Lifeguard Chair, Stainless Steel, 6' High	9,405.71	206.40
		Note: Paragon #38-005 "OSHA Guard Chair".		
13 11 46 00-0037	EA	Lifeguard Chair, Stainless Steel, 6' High	7,954.59	206.40
		Note: Paragon #38-010 "Ultraflyte Guard Chair".		
13 11 46 00-0038	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness	1,552.49	51.60
		Note: Requires four anchors sockets and escutcheons. Paragon #36-070.		
13 11 46 00-0039	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness	1,766.07	51.60
		Note: Requires four anchors sockets and escutcheons. Paragon #36-075.		
13 11 46 00-0040	EA	Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube	211.48	
13 11 46 00-0041	EA	Stainless Steel Escutcheon For 1.90" Outside Diameter Tube	45.43	
13 11 46 00-0042	EA	Rope Anchor	40.91	
13 11 46 00-0043	EA	Stanchion Post Socket	256.99	
13 11 46 00-0044	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	795.46	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*26.04*	
13 11 46 00-0045	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	941.92	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*31.16*	
13 11 46 00-0046	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	856.49	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*28.17*	
13 11 46 00-0047	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	1,021.25	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*33.94*	
13 11 46 00-0048	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness	926.05	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*30.61*	
13 11 46 00-0049	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness	1,098.14	25.80
		Note: Requires two anchors sockets and escutcheons.		
		For 3-Bend Handrail, Add	*36.63*	
13 11 46 00-0050	EA	1 Meter High Aluminum Diving Stand With Stainless Steel Handrail	18,170.20	516.01
		Note: Requires deck anchor set and diving board.		
13 11 46 00-0051	EA	3 Meter High Aluminum Diving Stand With Stainless Steel Handrail	35,764.97	1,032.03
		Note: Requires deck anchor set and diving board.		
13 11 46 00-0052	SET	Bronze Deck Anchor (Set of 8)	910.88	
13 11 46 00-0053	EA	16' Duraflex Diving Board	6,906.61	51.60
13 11 46 00-0054	EA	Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume	41,591.51	1,032.03
		Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.		

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001		**Fountains/Aerators** *(13 12 13)*		
13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,192.53	109.71
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,435.38	112.12
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,465.81	114.83
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,591.02	117.54
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,716.96	120.56
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	5,992.59	123.58
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	6,877.15	126.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,643.31	130.20
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,712.67	133.82
13 12 13 00-0011	EA	Aerator Nozzle	793.66	60.28

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	75.96	3.97

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	129.04	4.46

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free-standing base buildings have a live load of 12 pounds per square foot (PSF) and a wind load of 16.4 pounds per square foot (PSF) (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.02	3.92
		For 20' To 29' In Length Only, Add	*2.97*	
		For 30' To 49' In Length Only, Add	*2.33*	
		For 50' To 69' In Length Only, Add	*1.36*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.50*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.80*	
		For Single Slope Frame Roof, Add	*1.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.27	4.31
		For 20' To 29' In Length Only, Add	*3.06*	
		For 30' To 49' In Length Only, Add	*2.40*	
		For 50' To 69' In Length Only, Add	*1.40*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.55*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.10*	
		For Single Slope Frame Roof, Add	*1.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.67	4.75
		For 20' To 29' In Length Only, Add	*3.14*	
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.72*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.44*	
		For Single Slope Frame Roof, Add	*1.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.74*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.28	5.20
		For 20' To 29' In Length Only, Add	*3.29*	
		For 30' To 49' In Length Only, Add	*2.58*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.83*	
		For Single Slope Frame Roof, Add	*1.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.96	5.65
		For 20' To 29' In Length Only, Add	*3.46*	
		For 30' To 49' In Length Only, Add	*2.72*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.30*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.53*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.93*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.23*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.84	6.06
		For 20' To 29' In Length Only, Add	*3.99*	
		For 30' To 49' In Length Only, Add	*3.13*	
		For 50' To 69' In Length Only, Add	*1.83*	
		For 70' To 99' In Length Only, Add	*0.76*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.87*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.92*	
		For Single Slope Frame Roof, Add	*2.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.86*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.92*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.17	6.95
		For 20' To 29' In Length Only, Add	*4.33*	
		For 30' To 49' In Length Only, Add	*3.41*	
		For 50' To 69' In Length Only, Add	*1.99*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.97*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.86*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.72*	
		For Single Slope Frame Roof, Add	*2.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.96*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.03*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings
(13 34 19 00-0002)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.36	3.12
		For 30' To 49' In Length Only, Add	*2.18*	
		For 50' To 69' In Length Only, Add	*1.27*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.30*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.08*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.30*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.17*	
		For Single Slope Frame Roof, Add	*1.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.38	3.40
		For 30' To 49' In Length Only, Add	*2.24*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.41*	
		For Single Slope Frame Roof, Add	*1.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.25	3.68
		For 30' To 49' In Length Only, Add	*2.29*	
		For 50' To 69' In Length Only, Add	*1.34*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.62*	
		For Single Slope Frame Roof, Add	*1.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.58	4.01
		For 30' To 49' In Length Only, Add	*2.41*	
		For 50' To 69' In Length Only, Add	*1.41*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.47*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.94*	
		For Single Slope Frame Roof, Add	*1.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.35	4.31
		For 30' To 49' In Length Only, Add	*2.64*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.68*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.25*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.36*	
		For Single Slope Frame Roof, Add	*1.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.90	4.60
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.87*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.54*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.74*	
		For Single Slope Frame Roof, Add	*1.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.00	5.20
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.74*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.30*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.94*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.24*	
		For Single Slope Frame Roof, Add	*1.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	13.81	2.17
		For 30' To 49' In Length Only, Add	*1.90*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.31*	
		For Single Slope Frame Roof, Add	*1.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.35	2.28
		For 30' To 49' In Length Only, Add	*1.96*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.72*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.73*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.44*	
		For Single Slope Frame Roof, Add	*1.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.88	2.39
		For 30' To 49' In Length Only, Add	*2.02*	
		For 50' To 69' In Length Only, Add	*1.18*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.79*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.83*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.57*	
		For Single Slope Frame Roof, Add	*1.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.31	2.77
		For 30' To 49' In Length Only, Add	*2.14*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.91*	
		For Single Slope Frame Roof, Add	*1.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.42	3.07
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.29*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.31*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.09*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.18*	
		For Single Slope Frame Roof, Add	*1.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.43	3.39
		For 30' To 49' In Length Only, Add	*2.27*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.42*	
		For Single Slope Frame Roof, Add	*1.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.50	3.83
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.92*	
		For Single Slope Frame Roof, Add	*1.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.67	3.12
		For 20' To 29' In Length Only, Add	*2.86*	
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.93	3.40
		For 20' To 29' In Length Only, Add	*3.02*	
		For 30' To 49' In Length Only, Add	*2.37*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.27*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.54*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.15	3.68
		For 20' To 29' In Length Only, Add	*3.17*	
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.83*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.78	4.01
		For 20' To 29' In Length Only, Add	*3.41*	
		For 30' To 49' In Length Only, Add	*2.68*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.14*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.17	4.32
		For 20' To 29' In Length Only, Add	*3.59*	
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.57	4.64
		For 20' To 29' In Length Only, Add	*3.76*	
		For 30' To 49' In Length Only, Add	*2.96*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.74*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.84*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.95*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.75*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.42	5.29
		For 20' To 29' In Length Only, Add	*4.12*	
		For 30' To 49' In Length Only, Add	*3.24*	
		For 50' To 69' In Length Only, Add	*1.89*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.67*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0036		>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.98	2.77
		For 30' To 49' In Length Only, Add	*2.06*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.99	3.02
		For 30' To 49' In Length Only, Add	*2.15*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.98	3.27
		For 30' To 49' In Length Only, Add	*2.23*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.16*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.09	3.50
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.20	3.76
		For 30' To 49' In Length Only, Add	*2.46*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.84*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.29	4.01
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.55*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.75	4.58
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.51*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.70*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	14.11	2.17
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.71*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.69*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.68*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	14.85	2.31
		For 30' To 49' In Length Only, Add	*2.05*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.82*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.55	2.47
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.51*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.87*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.95*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.43*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.33	2.62
		For 30' To 49' In Length Only, Add	*2.22*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.45*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.32	2.79
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.30*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.08*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.16*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.23	2.95
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.38*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.27	3.34
		For 30' To 49' In Length Only, Add	*2.71*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.98*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.43*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.50	2.55
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.74*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.76*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.47	2.73
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.86*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.94*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.23	2.88
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.95*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.08*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.99	3.03
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.04*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.38	3.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.41*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.56	2.26
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.42	2.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.73*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.74*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.18	2.55
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.82*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.85	2.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.01*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.14	2.91
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.67*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.06*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.26*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.66	1.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.41*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.28	2.08
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.59*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.97	2.20
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.05*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.36*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.68*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.65*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.56	2.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.75*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.41*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.75	2.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.36	1.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.35*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.97*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	12.85	1.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.54*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.44*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.46	2.08
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.31*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.56*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.01	2.17
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.05*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.68*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.20	2.35
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.82*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.17	1.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.91*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.64	2.08
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.03*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.76	2.02
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.53*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.25	2.11
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.59*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.52*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.00	2.26
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	11.55	1.81
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	11.95	1.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.43*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.27*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.35*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.40	1.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.49*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.83	2.02
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.54*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.44*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.55	2.17
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.75*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.76*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.39*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.12	1.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.83*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.33*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.33*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.59	1.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.98	1.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.44*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.35*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.35	1.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.35*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.96*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.06	2.08
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.05*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.69*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.37*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.38*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.99	1.67
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.09*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.32*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.39	1.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.34*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.16*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.33*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.81	1.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.15*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.24*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.20	1.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.46*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.93*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.35*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.84	1.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.63*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	10.88	1.61
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.33*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.07*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.32*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.19	1.67
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.34*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.84*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.34*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.13*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.69*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.32*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.64	1.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.40*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.33*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.06	1.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*0.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.45*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*2.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.71	1.93
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.34*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.65*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.36*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0109		Metal Building Options *(13 34 19 00-0001)* Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.		
13 34 19 00-0110		Metal Framing For Rough Openings *(13 34 19 00-0109)* Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	323.47	66.55
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	503.32	86.16
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	617.33	81.71
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	669.93	83.19
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	713.44	86.16
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	308.82	66.55
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	346.00	75.65
13 34 19 00-0118	LF	Additional Girts	8.74	
13 34 19 00-0119		Wall Panel Options For Metal Buildings *(13 34 19 00-0109)* Note: Upgrade from 26 gauge wall panels.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	13.22	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	15.40	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	17.27	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	19.23	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0124		**Roofing Options For Metal Buildings** *(13 34 19 00-0109)* Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.62	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	22.52	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	23.83	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	24.85	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	155.36	25.55
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	20.51	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	0.92	0.18
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.05	0.18
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.20	0.25
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.42	0.25
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.85	0.25
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.19	0.18
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.32	0.18
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.41	0.25
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.58	0.25
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.94	0.25
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.11	0.18
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.26	0.18
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.52	0.25
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.69	0.25
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.02	0.25
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.01	0.18
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.08	0.18
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.22	0.25
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.56	0.25
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.02	0.18
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.10	0.18
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.25	0.25
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.61	0.25
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.47	0.18
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.58	0.18
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.73	0.25
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.09	0.25
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	37.66	4.64
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	57.77	3.33
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	81.63	7.43
		For End Braced (Up To 16' Wall Projection), Add	*19.66*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*11.50*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	68.12	6.24
		For End Braced (Up To 16' Wall Projection), Add	*16.41*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*9.59*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	50.32	5.35
		For End Braced (Up To 16' Wall Projection), Add	*12.05*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0165	SF	Up To 20 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	92.76	7.43
		For End Braced (Up To 16' Wall Projection), Add	*22.45*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*13.17*	
13 34 19 00-0166	SF	>20 To 50 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	79.25	6.24
		For End Braced (Up To 16' Wall Projection), Add	*19.19*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*11.26*	
13 34 19 00-0167	SF	>50 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	58.24	5.35
		For End Braced (Up To 16' Wall Projection), Add	*14.03*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*8.20*	
13 34 19 00-0168	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	94.76	11.29
13 34 19 00-0169	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	65.34	6.84
13 34 19 00-0170	LF	1' Standard Eave Overhang Without Soffit	39.93	
13 34 19 00-0171	LF	2' Standard Eave Overhang Without Soffit	50.13	
13 34 19 00-0172	LF	3' Standard Eave Overhang Without Soffit	60.28	
13 34 19 00-0173	LF	4' Standard Eave Overhang Without Soffit	70.32	
13 34 19 00-0174	LF	6' Standard Eave Overhang Without Soffit	91.34	
13 34 19 00-0175	LF	1' Standard Eave Overhang And 26 Gauge Soffit	54.21	
		For 24 Gauge, Add	*6.99*	
13 34 19 00-0176	LF	2' Standard Eave Overhang And 26 Gauge Soffit	68.06	
		For 24 Gauge, Add	*8.82*	
13 34 19 00-0177	LF	3' Standard Eave Overhang And 26 Gauge Soffit	81.71	
		For 24 Gauge, Add	*10.56*	
13 34 19 00-0178	LF	4' Standard Eave Overhang And 26 Gauge Soffit	95.36	
		For 24 Gauge, Add	*12.31*	
13 34 19 00-0179	LF	6' Standard Eave Overhang And 26 Gauge Soffit	122.37	
		For 24 Gauge, Add	*15.86*	

13 34 19 00-0180 Louvers And Vents For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0181	EA	4' x 3' Fixed Louver	543.69	92.70
13 34 19 00-0182	EA	12" Rotary Vent With Damper	322.57	59.42
13 34 19 00-0183	EA	20" Rotary Vent With Damper	629.12	79.34
13 34 19 00-0184	EA	24" Rotary Vent With Damper	871.51	89.14
13 34 19 00-0185	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	959.24	118.85
13 34 19 00-0186	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,041.36	118.85
13 34 19 00-0187	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,256.32	118.85
13 34 19 00-0188	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,397.80	118.85
13 34 19 00-0189	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,553.42	118.85
13 34 19 00-0190	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,709.04	118.85
13 34 19 00-0191	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,263.63	148.57
13 34 19 00-0192	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,518.29	148.57

13 34 19 00-0193 Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0194	LF	Pre-Engineered Standard Type Gutter, Painted	7.60	1.49
		For Galvanized Instead Of Painted, Deduct	*-1.16*	
13 34 19 00-0195	LF	Pre-Engineered Standard Type Downspout, Painted	6.01	2.08
		For Galvanized Instead Of Painted, Deduct	*-0.46*	

13 34 23 Fabricated Structures *(13 34)*

13 34 23 13 Portable and Mobile Buildings *(13 34 23)*

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	362.21	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	310.63	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	248.59	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	196.72	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	175.87	

13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	71.60	
		For Each Delivery And Set-up (Block And Level), Add	*1,104.57*	
		For Each Knock-Down And Pick-Up, Add	*824.57*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	100.24	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*2,436.54*	
		For Each Knock-Down And Pick-Up, Add	*1,786.54*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,073.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0011		**Portable and Mobile Trailer Accessories** *(13 34 23 13)*		
13 34 23 13-0012		**Skirting** *(13 34 23 13-0011)* Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013		**Vinyl Covered, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	3.72	0.89
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	5.05	1.47
13 34 23 13-0016		**Fiberglass, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	6.84	1.68
13 34 23 13-0018	SF	3' High Fiberglass Skirt	7.71	2.04
13 34 23 13-0019		**Plywood, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	5.77	1.78
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	6.76	2.15
13 34 23 13-0022		**Steel, Painted, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	7.42	1.68
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	8.40	2.04
13 34 23 13-0025		**14" x 14" Access Hatch** *(13 34 23 13-0011)* Note: Simple design.		
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	191.50	39.34
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	159.26	39.34
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	189.46	39.34
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	191.13	39.34
13 34 23 13-0030		**Pole Anchor** *(13 34 23 13-0011)* Note: Joslyn.		
13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	52.29	14.21
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	62.21	14.21
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	87.76	15.99
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	130.90	17.77
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	150.71	19.55
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	249.39	26.65
13 34 23 13-0037		**Aluminum Modular Access Ramp** *(13 34 23 13-0011)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,827.78	13.08
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,843.46	17.00
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,966.73	26.15
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,596.96	26.15
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,001.02	17.00
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,985.34	13.08
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,572.66	17.00
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,924.21	17.00
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,924.21	17.00
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,481.57	17.00
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,034.99	17.00
13 34 23 13-0049		**Relocate Portable And Mobile Trailer** *(13 34 23 13)* Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation Note: Includes securing interior, mounting tires, and mounting trailer hitch	455.04	
13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.	2,674.52	
13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer Note: Per trailer	200.22	
13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer Note: Per trailer	254.82	
13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer Note: Per trailer	309.43	
13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer Note: Per trailer	618.86	
13 34 23 13-0056	MI	Transportation And Delivery Of Trailer	17.06	
13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.	5,347.94	
13 34 23 13-0058	EA	Set-up (Block And Level) Trailer, 8' Wide x Up To 35' Long Note: Per trailer	250.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0059	EA	Set-up (Block And Level) Trailer, 10' Wide x 40' To 50' Long Note: Per trailer	318.53	
13 34 23 13-0060	EA	Set-up (Block And Level) Trailer, 12' Wide x 45' To 60' Long Note: Per trailer	386.78	
13 34 23 13-0061	EA	Set-up (Block And Level) Trailer, 24' Wide x 45' To 60' Long Note: Per trailer	773.57	
13 34 23 13-0062	EA	Connection Straps To Anchor Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.	11.38	

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001 Semi-Permanent Modular Transportable Buildings *(13 34 23 14)*

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	106.68	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*2,436.54*	
		For Each Knock-Down And Pick-Up, Add	*1,786.54*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	109.84	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*2,436.54*	
		For Each Knock-Down And Pick-Up, Add	*1,786.54*	

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001 Fabricated Parking Attendant Booths *(13 34 23 16)*

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	2,155.41	

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12', 8' Eve Height, Pavilion Style Metal Shelter Structure	10,986.09	1,585.48
		For >90 To 100 MPH Wind Load, Add	*933.82*	
		For >100 To 110 MPH Wind Load, Add	*1,071.14*	
		For >110 To 120 MPH Wind Load, Add	*1,373.26*	
		For >8' To 10' Eve Height At Perimeter, Add	*625.11*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,101.81*	
		For >12' To 14' Eve Height At Perimeter, Add	*1,707.65*	
13 34 23 31-0003	EA	16' x 16', 8' Eve Height, Pavilion Style Metal Shelter Structure	13,429.27	1,901.62
		For >90 To 100 MPH Wind Load, Add	*1,141.49*	
		For >100 To 110 MPH Wind Load, Add	*1,309.35*	
		For >110 To 120 MPH Wind Load, Add	*1,678.66*	
		For >8' To 10' Eve Height At Perimeter, Add	*761.20*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,339.39*	
		For >12' To 14' Eve Height At Perimeter, Add	*2,076.23*	
13 34 23 31-0004	EA	16' x 32', 8' Eve Height, Pavilion Style Metal Shelter Structure	18,545.09	2,852.43
		For >90 To 100 MPH Wind Load, Add	*1,576.33*	
		For >100 To 110 MPH Wind Load, Add	*1,808.15*	
		For >110 To 120 MPH Wind Load, Add	*2,318.14*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,069.86*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,897.17*	
		For >12' To 14' Eve Height At Perimeter, Add	*2,938.48*	
13 34 23 31-0005	EA	20' x 20', 8' Eve Height, Pavilion Style Metal Shelter Structure	16,848.08	2,377.03
		For >90 To 100 MPH Wind Load, Add	*1,432.09*	
		For >100 To 110 MPH Wind Load, Add	*1,642.69*	
		For >110 To 120 MPH Wind Load, Add	*2,106.01*	
		For >8' To 10' Eve Height At Perimeter, Add	*954.27*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,678.54*	
		For >12' To 14' Eve Height At Perimeter, Add	*2,602.05*	
13 34 23 31-0006	EA	20' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	21,429.07	2,971.29
		For >90 To 100 MPH Wind Load, Add	*1,821.47*	
		For >100 To 110 MPH Wind Load, Add	*2,089.33*	
		For >110 To 120 MPH Wind Load, Add	*2,678.63*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,209.44*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,124.01*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,293.15*	
13 34 23 31-0007	EA	20' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	26,374.87	3,648.74
		For >90 To 100 MPH Wind Load, Add	*2,241.86*	
		For >100 To 110 MPH Wind Load, Add	*2,571.55*	
		For >110 To 120 MPH Wind Load, Add	*3,296.86*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,487.56*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,611.64*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,049.34*	
13 34 23 31-0008	EA	24' x 24', 8' Eve Height, Pavilion Style Metal Shelter Structure	21,250.80	2,852.43
		For >90 To 100 MPH Wind Load, Add	*1,806.32*	
		For >100 To 110 MPH Wind Load, Add	*2,071.95*	
		For >110 To 120 MPH Wind Load, Add	*2,656.35*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,191.61*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,086.57*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,236.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0009	EA	24' x 48', 8' Eve Height, Pavilion Style Metal Shelter Structure	34,913.64	4,439.10
		For >90 To 100 MPH Wind Load, Add	*2,967.66*	
		For >100 To 110 MPH Wind Load, Add	*3,404.08*	
		For >110 To 120 MPH Wind Load, Add	*4,364.21*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,937.18*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,375.75*	
		For >12' To 14' Eve Height At Perimeter, Add	*5,238.19*	
13 34 23 31-0010	EA	30' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	31,320.18	3,565.54
		For >90 To 100 MPH Wind Load, Add	*2,662.22*	
		For >100 To 110 MPH Wind Load, Add	*3,053.72*	
		For >110 To 120 MPH Wind Load, Add	*3,915.02*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,703.57*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,941.18*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,568.37*	
13 34 23 31-0011	EA	30' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	60,131.33	6,441.75
		For >90 To 100 MPH Wind Load, Add	*5,111.16*	
		For >100 To 110 MPH Wind Load, Add	*5,862.80*	
		For >110 To 120 MPH Wind Load, Add	*7,516.42*	
		For >8' To 10' Eve Height At Perimeter, Add	*3,245.20*	
		For >10' To 12' Eve Height At Perimeter, Add	*5,581.93*	
		For >12' To 14' Eve Height At Perimeter, Add	*8,673.55*	
13 34 23 31-0012	EA	40' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	53,121.82	5,707.84
		For >90 To 100 MPH Wind Load, Add	*4,515.35*	
		For >100 To 110 MPH Wind Load, Add	*5,179.38*	
		For >110 To 120 MPH Wind Load, Add	*6,640.23*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,861.13*	
		For >10' To 12' Eve Height At Perimeter, Add	*4,916.55*	
		For >12' To 14' Eve Height At Perimeter, Add	*7,640.43*	
13 34 23 31-0013	EA	40' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	78,986.57	7,927.39
		For >90 To 100 MPH Wind Load, Add	*6,713.86*	
		For >100 To 110 MPH Wind Load, Add	*7,701.19*	
		For >110 To 120 MPH Wind Load, Add	*9,873.32*	
		For >8' To 10' Eve Height At Perimeter, Add	*4,208.08*	
		For >10' To 12' Eve Height At Perimeter, Add	*7,192.98*	
		For >12' To 14' Eve Height At Perimeter, Add	*11,184.40*	

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	12,522.22	404.02
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	30,855.31	541.00
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	126.99	3.83
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	92.81	3.83
13 42 63 16-0005	SF	Perforated Metal Crime Shield	94.98	1.58

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*
See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*
See CSI section 13 46 13 00-0015 for air terminal base.

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	41.13	4.42
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	50.61	4.42
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	67.47	4.42
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	74.82	4.42
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	148.56	8.83

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	29.10	4.42
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	37.08	4.42
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	47.29	4.42
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	52.54	4.42
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	102.70	8.83

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*
See CSI section 13 46 13 00-0002 for air terminal rod.

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	74.76	13.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	74.79	17.66
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	114.14	22.08
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	74.79	17.66
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	88.98	17.66
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	143.56	35.33
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	110.42	22.08
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	74.76	13.25
13 46 13 00-0025		Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*		
13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	35.53	13.25
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	47.63	17.66
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	64.63	22.08
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	47.80	17.66
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	50.28	17.66
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	90.86	35.33
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	69.05	22.08
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	35.53	13.25
13 46 13 00-0034		Connectors *(13 46 13 00-0001)*		
13 46 13 00-0035		Copper Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	151.69	22.08
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	181.89	35.33
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	116.72	22.08
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	35.02	4.42
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	39.27	4.42
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	113.53	13.25
13 46 13 00-0042		Aluminum Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	72.24	22.08
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	101.03	35.33
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	66.93	22.08
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	16.20	4.42
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	47.85	13.25
13 46 13 00-0048		Bonding Plates *(13 46 13 00-0001)*		
13 46 13 00-0049		Copper Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	82.92	22.08
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	91.59	22.08
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	129.68	35.33
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	55.44	22.08
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	58.27	22.08
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	83.61	35.33
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	14.65	4.42
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	16.29	4.42
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	10.81	4.42
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	10.62	4.42
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	48.70	13.25
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	29.52	13.25
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	35.39	2.21
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	14.30	2.21
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	105.82	22.08

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 Cathodic Joint Bond *(13 47 13 13)*
Note: Includes thermite welds with #4 or #6 AWG copper cable as indication per standard details.

13 47 13 13-0002	EA	Cathodic Pipe Joint Bond	195.39	
13 47 13 13-0003	EA	Cathodic Fitting Joint Bond	355.54	
13 47 13 13-0004	EA	Cathodic Valve Joint Bond	302.15	
13 47 13 13-0005	EA	Cathodic Vault Joint Bond	248.78	
13 47 13 13-0006	EA	Cathodic Fire Hydrant Joint Bond	195.39	

13 47 13 13-0007 Anodes *(13 47 13 13)*

13 47 13 13-0008 Magnesium Type, Conventional *(13 47 13 13-0007)*

13 47 13 13-0009	EA	9 Lb. Magnesium Type Anodes	213.06	79.87
13 47 13 13-0010	EA	17 Lb. Magnesium Type Anodes	324.48	115.44
13 47 13 13-0011	EA	32 Lb. Magnesium Type Anode	467.57	148.51
13 47 13 13-0012	EA	48 Lb. Magnesium Type Anode	675.25	207.79

13 47 13 13-0013 Graphite Type *(13 47 13 13-0007)*
Note: Includes epoxy cap.

13 47 13 13-0014	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	293.62	89.52
13 47 13 13-0015	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	513.34	125.00
13 47 13 13-0016	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	449.30	78.22
13 47 13 13-0017	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	750.05	104.43

13 47 13 13-0018 Rectifiers *(13 47 13 13)*

13 47 13 13-0019 Air-Cooled, Silicon Type *(13 47 13 13-0018)*

13 47 13 13-0020	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,815.57	127.18
13 47 13 13-0021	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,010.21	127.18

13 47 13 13-0022 Oil Immersed, Silicon Type *(13 47 13 13-0018)*

13 47 13 13-0023	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,933.66	147.06
13 47 13 13-0024	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,142.20	147.06

13 47 13 13-0025 Anode Backfill *(13 47 13 13)*

13 47 13 13-0026	LB	Anode Backfill, Coke Breeze	0.49	0.16

13 47 13 13-0027 Cathodic Protection Cable *(13 47 13 13)*

13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 8	1,513.74	312.89
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 6	1,908.15	312.89
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 4	2,499.76	312.89
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2 - No 2	3,485.78	312.89
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2 - No 1	4,632.35	344.75
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 1/0	5,371.87	344.75
13 47 13 13-0034	MLF	Cathodic Protection Cable, OR2-No 2/0	6,604.40	344.75
13 47 13 13-0035	MLF	Cathodic Protection Cable, OR2-No 4/0	9,624.28	375.79

13 47 13 13-0036 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0037 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0036)*

13 47 13 13-0038	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	187.30	36.65

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001 Seismic Bracing Assembly *(13 48 53)*

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	97.82	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	108.91	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	161.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	209.99	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	295.55	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	439.41	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	583.27	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	129.26	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	189.97	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	250.70	
13 48 53 00-0012		Seismic Brace Components *(13 48 53)*		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	29.26	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	43.22	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	59.99	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	85.10	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	26.98	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	39.27	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	54.20	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	76.14	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	34.44	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	48.05	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	70.00	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	66.49	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	96.78	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	134.97	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	26.72	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	33.74	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	43.40	
13 48 63		**Fabricated Seismic Control Assemblies** *(13 48)*		
13 48 63 00-0001		Seismic Restraints *(13 48 63)*		
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	4.26	0.51
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	3.74	0.26
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	5.66	0.64
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	4.79	0.33
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	6.14	0.38
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	10.93	0.45
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	4.05	0.39
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	6.51	0.39
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	1.72	0.26
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	9.00	0.78
13 48 63 00-0012	LF	Seismic Chord, Black	1.96	0.39
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	2.98	0.39
13 49		**Radiation Protection** *(13 40)*		
13 49 13		**Integrated X-Ray Shielding Assemblies** *(13 49)*		
13 49 13 00-0001		Lead Shielding *(13 49 13)* See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	38.05	3.10
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	70.42	3.36
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	132.54	3.61
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	259.84	4.64
13 49 16		**Modular X-Ray Shielding Rooms** *(13 49)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0001		X-Ray Barriers, Modular *(13 49 16)* Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002		36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*		
13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	12,138.02	72.25
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	12,906.83	72.25
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	13,243.25	86.70
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	14,165.83	86.70
13 49 16 00-0007		72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*		
13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	26,217.14	115.59
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	27,293.49	115.59
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	28,091.23	130.05
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	30,272.78	144.50
13 49 16 00-0012		108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*		
13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	39,959.85	144.50
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	41,958.77	144.50
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	42,785.38	173.39
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	45,889.50	187.84
13 49 16 00-0017		X-Ray Barriers, Mobile *(13 49 16)* Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018		30" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	8,482.77	12.90
13 49 16 00-0020		48" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	15,094.58	12.90
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	18,169.84	12.90
13 49 16 00-0023		72" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)* Note: Includes Framework		
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	17,862.31	12.90
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	22,628.97	12.90
13 49 19		**Lead-Lined Materials** *(13 49)*		
13 49 19 16		**Lead-Lined Drywall** *(13 49 19)*		
13 49 19 16-0001		Lead Lined Drywall *(13 49 19 16)* See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	23.84	0.68
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	42.67	0.81
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	79.68	0.97

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	459.55	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	612.73	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	382.96	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	382.96	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	229.77	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	148.81	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	186.02	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,088.93	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,361.17	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	544.47	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,225.05	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	816.71	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	1,905.64	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,177.87	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,633.40	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,041.75	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,088.93	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,774.74	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,996.58	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,774.74	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,774.74	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,774.74	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	35,729.42	6,785.45
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*9,210.47*	
		For An Additional Stop, Add *Note: Includes Removal.*	*9,506.13*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	38,666.23	8,199.09
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*9,309.77*	
		For An Additional Stop, Add *Note: Includes Removal.*	*10,146.39*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	47,194.63	9,330.00
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,898.49*	
		For An Additional Stop, Add *Note: Includes Removal.*	*13,260.77*	
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	4,805.23	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	75.42	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	828.93	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	3,955.12	565.45
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	3,247.35	565.45
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	6,763.74	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	7,558.10	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	7,274.11	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	8,068.47	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	78.27	16.16
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	64.17	16.16
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	13.99	2.12
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,237.02	424.09
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	19,555.85	2,367.84
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,255.59	565.45
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	398.31	141.36
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	372.10	282.73
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	561.63	247.38
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	2,460.31	565.45
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	563.39	261.53
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	372.10	282.73
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	624.30	282.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0050	EA	Fire Service Key Switch Controller	3,503.53	565.45
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	987.09	282.73
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	7,157.99	1,130.91
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	7,861.00	1,130.91
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	2,299.35	282.73
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	8,158.88	1,130.91
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	1,905.93	282.73
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,503.54	282.73
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	212.85	141.36
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,394.31	282.73
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.96	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	4,523.64	2,261.81
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.79	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	6,348.07	565.45
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	9,525.51	565.45
14 01 20 71-0065	EA	Removal And Replacement Of Governor	5,310.70	565.45
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	8,158.88	1,130.91
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	1,652.48	282.73
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,260.51	282.73
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	750.59	282.73
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,543.25	282.73
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	164.60	141.36
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	48,290.76	4,523.64
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	26,644.45	4,523.64
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	41,097.59	4,523.64
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,007.05	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,225.50	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	3,465.80	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	3,727.94	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	2,788.60	282.73
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	51,303.01	4,523.64
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	104.28	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	111.33	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	116.21	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	9,695.57	565.45
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	3,483.67	565.45
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	3,582.96	565.45
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	3,682.26	565.45
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	3,801.41	565.45
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	8,647.01	565.45
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	8,647.01	565.45
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,618.81	565.45
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,604.71	565.45
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,948.07	142.27
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,191.10	170.73
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,327.13	199.18
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	182.61	141.36
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	188.11	141.36
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	139.02	33.26
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	132.54	33.26
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	162.81	33.26
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	183.30	33.26
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	213.80	33.26
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	166.62	33.26
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	193.55	33.26
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	317.11	33.26
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	359.85	33.26
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	131.51	33.26
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	133.16	33.26
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	177.90	33.26
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	164.71	33.26
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	178.77	33.26
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	231.22	33.26
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	171.39	33.26
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	175.91	33.26
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	313.89	33.26
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	196.17	33.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	314.77	33.26
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	359.85	33.26

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	650.50
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	148.81
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	3,577.74

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	1,633.92
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	1,758.36
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	1,851.87
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,001.34
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	150.98

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	309,561.68
		For Each Opening With Bonderized Steel Door, Add	*280.64*
		For Each Opening With Stainless Steel Doors, Add	*701.60*
		For Each Opening With Two Speed Doors, Add	*841.92*
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*
		For Stainless Steel Cab Interior, Add	*7,442.40*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,549.88*
		For Class "C-2" Loading, Add	*1,860.60*
		For Class "C-3" Loading, Add	*2,545.30*
		For Removal Of Existing Stop, Add	*7,201.77*
		For Each Additional Stop, Add	*31,028.61*
		For Each Floor < 6 Stops, Deduct	*-27,503.29*
		For Each Additional 50 FPM, Add	*5,581.80*
		For Removal Of Existing Elevator, Add	*36,008.83*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	329,991.44
		For Each Opening With Bonderized Steel Door, Add	*280.64*
		For Each Opening With Stainless Steel Doors, Add	*701.60*
		For Each Opening With Two Speed Doors, Add	*841.92*
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*
		For Stainless Steel Cab Interior, Add	*7,442.40*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,099.76*
		For Class "C-2" Loading, Add	*3,721.20*
		For Class "C-3" Loading, Add	*5,157.58*
		For Removal Of Existing Stop, Add	*7,201.77*
		For Each Additional Stop, Add	*31,028.61*
		For Each Floor < 6 Stops, Deduct	*-27,503.29*
		For Each Additional 50 FPM, Add	*5,581.80*
		For Removal Of Existing Elevator, Add	*36,008.83*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	351,547.00
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,099.76*
		For Class "C-2" Loading, Add	*3,721.20*
		For Class "C-3" Loading, Add	*5,157.58*
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*
		For Stainless Steel Cab Interior, Add	*8,372.70*
		For Removal Of Existing Stop, Add	*7,201.77*
		For Each Additional Stop, Add	*31,958.91*
		For Each Additional 50 FPM, Add	*5,581.80*
		For Each Opening With Bonderized Steel Door, Add	*279.09*
		For Each Opening With Stainless Steel Doors, Add	*558.18*
		For Each Opening With Two Speed Doors, Add	*697.72*
		For Removal Of Existing Elevator, Add	*36,008.83*
		For Each Floor < 6 Stops, Deduct	*-28,503.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	360,411.91	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Each Additional Stop, Add	*31,958.91*	
		For Each Additional 50 FPM, Add	*5,581.80*	
		For Each Opening With Bonderized Steel Door, Add	*279.09*	
		For Each Opening With Stainless Steel Doors, Add	*558.18*	
		For Each Opening With Two Speed Doors, Add	*697.72*	
		For Removal Of Existing Elevator, Add	*36,008.83*	
		For Each Floor < 6 Stops, Deduct	*-28,503.29*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	371,527.17	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Each Additional Stop, Add	*31,958.91*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*36,008.83*	
		For Each Floor < 6 Stops, Deduct	*-28,503.29*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	384,494.15	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Each Additional Stop, Add	*31,958.91*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*36,008.83*	
		For Each Floor < 6 Stops, Deduct	*-28,503.29*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	395,227.93	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Each Additional Stop, Add	*31,958.91*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*36,008.83*	
		For Each Floor < 6 Stops, Deduct	*-28,503.29*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	239,624.17	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	245,898.15	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	250,649.77	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	254,238.09	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	258,615.18	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	263,353.32	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	268,231.78	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For Each Additional Stop, Add	*31,028.61*	
		For Each Floor < 6 Stops, Deduct	*-19,002.19*	
		For Removal Of Existing Elevator, Add	*27,006.64*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	197,239.16	
		For Each Additional Stop, Add	*25,046.12*	
		For 2 Stops, Deduct	*-15,150.74*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	203,760.93	
		For Each Additional Stop, Add	*25,046.12*	
		For 2 Stops, Deduct	*-15,150.74*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	210,259.40	
		For Each Additional Stop, Add	*25,046.12*	
		For 2 Stops, Deduct	*-15,150.74*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	216,547.27	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*18,004.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	229,573.31	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	235,805.64	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	245,405.74	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Each Additional 50 FPM, Add	*15,435.20*	
		For Class "C-1" Loading, Add	*7,749.40*	
		For Class "C-2" Loading, Add	*9,303.00*	
		For Class "C-3" Loading, Add	*12,726.50*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	252,008.14	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	263,819.27	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*26,449.32*	
		For 2 Stops, Deduct	*-16,150.74*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,201.77*	
		For Removal Of Existing Elevator, Add	*27,006.64*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	81.29	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	97.80	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	142,652.03	
		For Each Additional Stop, Add	*25,046.12*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	145,458.43	
		For Each Additional Stop, Add	*25,046.12*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	147,387.83	
		For Each Additional Stop, Add	*25,046.12*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	154,274.87	
		For Each Additional Stop, Add	*25,046.12*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	157,125.02	
		For Each Additional Stop, Add	*25,046.12*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	161,229.38	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*26,449.32*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	164,944.63	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*26,449.32*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*218.73*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Removal Of Existing Stop, Add	*3,600.88*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	124,248.39	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Each Additional Stop, Add	*26,396.45*	
		For An Additional 25 FPM, Add	*2,364.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	129,007.70	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Each Additional Stop, Add	*26,396.45*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	133,572.53	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Each Additional Stop, Add	*26,396.45*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	156,024.33	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*18,004.41*	
		For Each Additional Stop, Add	*26,396.45*	
		For An Additional 25 FPM, Add	*2,364.39*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	91,561.91
		For Each Additional Stop, Add	*15,634.62*
		For Removal Of Existing Elevator, Add	*5,401.32*

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,277.60

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,784.46
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,875.19
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	878.34

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,410.56
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	4,438.88
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,283.83
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,124.94
14 27 16 00-0006	EA	Bi-Parting Doors	10,289.14
14 27 16 00-0007	EA	Power Operated Door And Gate	33,214.85

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	7,789.40	857.37
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	11,811.00	1,285.13
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	18,505.36	1,713.50
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	26,237.20	2,174.81
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	36,989.46	2,570.24
14 28 16 00-0007	EA	Duplex Care Selective Collective	7,567.09	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	4,270.39	
14 28 16 00-0009	EA	Manual Emergency Power Switching	872.29	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	204.95	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	171.20	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,326.95	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	52,869.88	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	86,255.37	
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	119,528.32	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	21,909.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	27,474.26	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	30,619.74	

14 30 Escalators and Moving Walks (14)

14 31 Escalators (14 30)

14 31 00 00-0001 Stainless Steel Escalator Construction (14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	156,680.08	9,493.53
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	172,538.64	11,219.64
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	187,664.76	12,945.73
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	206,516.65	15,534.87
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	228,303.47	17,260.98
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	165,869.50	10,097.67
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	182,894.65	12,082.68
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	197,956.35	13,808.78
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	221,819.07	17,347.28
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	239,565.14	18,641.85
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	175,301.12	10,701.80
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	193,757.57	12,945.73
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	208,195.77	14,671.82
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	238,004.20	18,296.63
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	252,822.39	20,022.73
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	24,229.91	345.21

14 32 Moving Walks (14 30)

14 32 00 00-0001 Moving Sidewalks (14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,549.03	207.13
		For Each LF Of Ramp Or Sloped Sections, Add	*260.09*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	2,134.86	211.45
		For Each LF Of Ramp Or Sloped Sections, Add	*376.23*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,425.93	220.07
		For Each LF Of Ramp Or Sloped Sections, Add	*432.38*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	2,803.68	238.72
		For Each LF Of Ramp Or Sloped Sections, Add	*503.45*	

14 40 Lifts (14)

14 41 People Lifts (14 40)

14 41 16 Endless-Belt People Lifts (14 41)

14 41 16 00-0001 Personnel Lifts Electrically Operated (14 41 16)

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	28,972.95	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,476.75*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,478.04	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,657.36*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	31,983.13	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,837.98*	

14 41 19 Stairway Chairlifts (14 41)

14 41 19 00-0001 Chair Lift-Stair Climber (14 41 19)

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	7,674.02	867.33

14 42 Wheelchair Lifts (14 40)

14 42 13 Inclined Wheelchair Lifts (14 42)

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber (14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	14,540.65	1,301.00

14 42 16 Vertical Wheelchair Lifts (14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) (14 42 16)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	11,089.40	607.13
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	13,618.32	758.91
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	16,094.56	986.59
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1,000 Lb. capacity. Includes handrails and manual ramp.	18,032.29	1,138.37
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift Note: 500 Lb. capacity, interior installation.	19,373.75	542.09

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001 Trash Chutes *(14 91 82)*

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	34.12	2.49
		For Aluminum, Add	*2.94*	
		For Stainless Steel, Add	*10.28*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	44.90	2.49
		For Aluminum, Add	*3.98*	
		For Stainless Steel, Add	*13.91*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	49.64	3.10
		For Aluminum, Add	*4.41*	
		For Stainless Steel, Add	*15.42*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	78.63	3.10
		For Aluminum, Add	*7.26*	
		For Stainless Steel, Add	*25.40*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	781.74	17.37
		For Aluminum, Add	*74.68*	
		For Stainless Steel, Add	*261.37*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	328.14	34.12
		For Aluminum, Add	*25.98*	
		For Stainless Steel, Add	*90.91*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	192.30	37.22
		For Aluminum, Add	*11.36*	
		For Stainless Steel, Add	*39.77*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	45.70	13.03
		For Aluminum, Add	*1.95*	
		For Stainless Steel, Add	*6.82*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	578.84	46.52
		For Aluminum, Add	*48.05*	
		For Stainless Steel, Add	*168.19*	
14 91 82 00-0011	EA	Hopper Doors	1,499.98	33.51

END OF SECTION 14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression (21)

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems (21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration (21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping (21 01 10 91)

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	406.32
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	243.79
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	97.52
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	48.75

21 01 10 91-0006 Purge And Refill System Sprinkler Piping (21 01 10 91)

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	248.16
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	354.42
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	424.66
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	530.83
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	690.08
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	0.35
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	347.43
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	496.19
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	594.53
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	743.17
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	966.12
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.49
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	477.71
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	682.26
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	817.49
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,021.85
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,328.40
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.66
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	644.91
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	921.05
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	979.02
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,223.77
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,590.91
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	0.80

21 01 30 Operation and Maintenance of Fire-Suppression Equipment (21 01)

21 01 30 91 Fire-Suppression Equipment Restoration (21 01 30)

21 01 30 91-0001 Inspection And Recharge (21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	174.71
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.07
21 01 30 91-0004	EA	Inspection, Halon 1301	174.71
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	73.79
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	105.65
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	69.18
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	105.65
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.15
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	32.50
21 01 30 91-0011	EA	Disarm/Arm System	56.88

21 05 Common Work Results for Fire Suppression (21)

21 05 13 Common Motor Requirements for Fire-Suppression Equipment (21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping (21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping (21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	42.32	9.13
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	44.30	9.13
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	53.53	9.13
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	57.32	9.13
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	61.11	9.13

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,829.32	118.06
		For >10 To 25, Deduct	*-491.47*	
		For >25, Deduct	*-1,459.62*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,137.93	197.93
		For >10 To 25, Deduct	*-1,006.90*	
		For >25, Deduct	*-2,995.89*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,242.36	279.67
		For >10 To 25, Deduct	*-1,362.12*	
		For >25, Deduct	*-4,051.27*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,554.28	357.36
		For >10 To 25, Deduct	*-1,777.71*	
		For >25, Deduct	*-5,288.75*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,230.20	435.04
		For >10 To 25, Deduct	*-2,511.51*	
		For >25, Deduct	*-7,480.15*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0390 for copper pipe, 22 11 16 00-0934 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	903.36	235.19
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,282.94	293.99
		For Polished Chrome, Add	*104.67*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,417.07	235.19
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	1,885.82	293.99
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,033.19	293.99
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,695.61	311.16
		For Polished Chrome, Add	*153.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,058.81	235.19
		For Polished Chrome, Add	*87.81*	

21 11 19 00-0009 Fire Department Connection Wall Plate *(21 11 19)*

21 11 19 00-0010	EA	2-1/2" IPS Brass Fire Department Connection Wall Plate	95.89	18.26
21 11 19 00-0011	EA	2-1/2" IPS Aluminum Brass Fire Department Connection Wall Plate	69.39	18.26
21 11 19 00-0012	EA	2-1/2" IPS Chrome Plated Brass Fire Department Connection Wall Plate	99.57	18.26
21 11 19 00-0013	EA	2-1/2" IPS Chrome Plated Aluminum Brass Fire Department Connection Wall Plate	65.27	18.26
21 11 19 00-0014	EA	4" IPS x 10" Outside Diameter Polished Brass Fire Department Connection Wall Plate	158.40	21.92
21 11 19 00-0015	EA	4" IPS x 10" Outside Diameter Chrome Plated Brass Fire Department Connection Wall Plate	216.13	21.92

21 11 19 00-0016 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

21 11 19 00-0017	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	2,850.65	197.93

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.17	1.63
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.54	1.63
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.29	1.63
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.69	1.63
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.49	1.63
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.11	1.63
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.58	1.63
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.32	1.63

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.39	0.89
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	12.00	1.06
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	21.91	1.06

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	143.36	26.82
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	222.60	30.07
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	82.33	21.13
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	174.40	21.13
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	136.80	21.13
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	201.05	21.13
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	274.51	89.39
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	401.98	89.39

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	856.27	155.58
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,590.94	155.51
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,124.23	168.22
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	2,649.62	155.51
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	3,144.56	168.22
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,478.42	155.51
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,300.68	168.22
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,068.95	160.55
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,508.85	178.36
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,322.11	160.55
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	4,890.28	178.36
		For Polished Chrome, Add	*554.40*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	6,532.55	214.01
		For Polished Chrome, Add	*620.82*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	217.39	21.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	264.98	21.94
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	247.68	21.94
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	295.27	21.94
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	390.16	36.57
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	459.38	36.57
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	465.15	36.57
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	534.37	36.57

21 12 23 00-0023 Fire Hose Valve Cap And Chain *(21 12 23)*

21 12 23 00-0024	EA	1-1/2" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	39.13	7.31
21 12 23 00-0025	EA	1-1/2" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	66.52	7.31
21 12 23 00-0026	EA	1-1/2" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	57.87	7.31
21 12 23 00-0027	EA	1-1/2" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	79.50	7.31
21 12 23 00-0028	EA	1-1/2" Diameter, Aluminum Brass Fire Hose Valve Cap And Chain	24.33	7.31
21 12 23 00-0029	EA	2-1/2" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	64.41	9.13
21 12 23 00-0030	EA	2-1/2" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	88.92	9.13
21 12 23 00-0031	EA	2-1/2" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	84.60	9.13
21 12 23 00-0032	EA	2-1/2" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	109.11	9.13
21 12 23 00-0033	EA	2-1/2" Diameter, Aluminum Brass Fire Hose Valve Cap And Chain	32.89	9.13
21 12 23 00-0034	EA	3" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	106.24	9.86
21 12 23 00-0035	EA	3" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	137.97	9.86
21 12 23 00-0036	EA	3" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	127.88	9.86
21 12 23 00-0037	EA	3" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	161.04	9.86

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,273.47	385.66
21 12 29 00-0003	EA	Water Motor Gong	800.38	112.02
21 12 29 00-0004	EA	Water Motor Gong With Retard Chamber Assembly	1,702.18	137.20
21 12 29 00-0005	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	737.01	13.04
21 12 29 00-0006	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	229.71	22.30
21 12 29 00-0007	EA	Spare Sprinkler Head Box For 3 Heads Note: Excludes spare sprinkler heads.	34.01	8.58
21 12 29 00-0008	EA	Spare Sprinkler Head Box For 6 Heads Note: Excludes spare sprinkler heads.	34.26	8.58
21 12 29 00-0009	EA	Spare Sprinkler Head Box For 12 Heads Note: Excludes spare sprinkler heads.	37.19	8.58

21 12 29 00-0010 Water Flow Detector *(21 12 29)*

21 12 29 00-0011 Pressure-Type Water Flow Detector *(21 12 29 00-0010)*

21 12 29 00-0012	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	332.47	68.60
21 12 29 00-0013	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	488.94	90.89
21 12 29 00-0014	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	819.16	102.90

21 12 29 00-0015 Vane-Type Water Flow Detector *(21 12 29 00-0010)*

21 12 29 00-0016	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	438.14	68.60
21 12 29 00-0017	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	618.39	90.89
21 12 29 00-0018	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,024.35	102.90

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	559.07
		For Copper Pipe, Add	*70.83*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-98.79*
		For Up To 5, Add	*249.68*
		For >5 To 10, Add	*150.89*
		For >10 To 20, Add	*94.99*
		For >20 To 40, Add	*40.98*
		For >100 To 150, Deduct	*-55.91*
		For >150, Deduct	*-111.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	706.60	
		For Copper Pipe, Add	*86.81*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-122.14*	
		For Up To 5, Add	*321.01*	
		For >5 To 10, Add	*198.87*	
		For >10 To 20, Add	*128.21*	
		For >20 To 40, Add	*54.51*	
		For >100 To 150, Deduct	*-70.66*	
		For >150, Deduct	*-141.32*	
		For Work In Restricted Working Space, Add	*115.10*	
21 13 13 00-0005		Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	546.70	
		For Copper Pipe, Add	*69.14*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-96.47*	
		For Up To 5, Add	*244.42*	
		For >5 To 10, Add	*147.95*	
		For >10 To 20, Add	*93.28*	
		For >20 To 40, Add	*40.21*	
		For >100 To 150, Deduct	*-54.67*	
		For >150, Deduct	*-109.34*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	688.84	
		For Copper Pipe, Add	*84.40*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-118.84*	
		For Up To 5, Add	*313.40*	
		For >5 To 10, Add	*194.56*	
		For >10 To 20, Add	*125.67*	
		For >20 To 40, Add	*53.37*	
		For >100 To 150, Deduct	*-68.88*	
		For >150, Deduct	*-137.77*	
		For Work In Restricted Working Space, Add	*113.58*	
21 13 13 00-0008		Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	504.69	
		For Copper Pipe, Add	*63.72*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-88.95*	
		For Up To 5, Add	*225.85*	
		For >5 To 10, Add	*136.90*	
		For >10 To 20, Add	*86.43*	
		For >20 To 40, Add	*37.22*	
		For >100 To 150, Deduct	*-50.47*	
		For >150, Deduct	*-100.94*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	637.29	
		For Copper Pipe, Add	*77.96*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-109.82*	
		For Up To 5, Add	*290.18*	
		For >5 To 10, Add	*180.36*	
		For >10 To 20, Add	*116.63*	
		For >20 To 40, Add	*49.50*	
		For >100 To 150, Deduct	*-63.73*	
		For >150, Deduct	*-127.46*	
		For Work In Restricted Working Space, Add	*105.80*	
21 13 13 00-0011		Wet Pipe Sprinkler Components *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		Wet Pipe Alarm Check Valves *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Diameter, Wet Pipe Alarm Check Valve	2,078.31	94.32
21 13 13 00-0014	EA	3" Diameter, Wet Pipe Alarm Check Valve	2,105.76	108.04
21 13 13 00-0015	EA	4" Diameter, Wet Pipe Alarm Check Valve	2,256.67	183.50
21 13 13 00-0016	EA	6" Diameter, Wet Pipe Alarm Check Valve	2,092.10	231.53
21 13 13 00-0017	EA	8" Diameter, Wet Pipe Alarm Check Valve	3,928.32	293.27
21 13 13 00-0018		Wet Pipe Valve Trim *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Diameter, Wet Pipe Valve Trim	1,024.51	199.63
21 13 13 00-0020	EA	3" Diameter, Wet Pipe Valve Trim	1,081.01	199.63
21 13 13 00-0021	EA	4" Diameter, Wet Pipe Valve Trim	1,306.54	273.71
21 13 13 00-0022	EA	6" Diameter, Wet Pipe Valve Trim	1,541.39	380.74
21 13 13 00-0023	EA	8" Diameter, Wet Pipe Valve Trim	1,692.31	471.28
21 13 13 00-0024		Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*		
21 13 13 00-0025		Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0026	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	81.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 500, Deduct	*-11.10*	
		For >500 To 1,000, Deduct	*-20.89*	
		For >1,000, Deduct	*-28.20*	
21 13 13 00-0027	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	86.08	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-21.71*	
		For >1,000, Deduct	*-29.03*	
21 13 13 00-0028	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	88.99	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-12.04*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-29.55*	
21 13 13 00-0029	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	83.79	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 500, Deduct	*-11.39*	
		For >500 To 1,000, Deduct	*-21.30*	
		For >1,000, Deduct	*-28.61*	
21 13 13 00-0030	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	88.55	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 500, Deduct	*-11.98*	
		For >500 To 1,000, Deduct	*-22.16*	
		For >1,000, Deduct	*-29.47*	
21 13 13 00-0031	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	91.59	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 500, Deduct	*-12.36*	
		For >500 To 1,000, Deduct	*-22.70*	
		For >1,000, Deduct	*-30.02*	
21 13 13 00-0032	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	113.75	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-26.69*	
		For >1,000, Deduct	*-34.01*	
21 13 13 00-0033	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	126.02	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-28.90*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0034	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	113.75	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-26.69*	
		For >1,000, Deduct	*-34.01*	
21 13 13 00-0035	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	126.02	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-28.90*	
		For >1,000, Deduct	*-36.21*	
21 13 13 00-0036	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	97.88	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 500, Deduct	*-13.15*	
		For >500 To 1,000, Deduct	*-23.84*	
		For >1,000, Deduct	*-31.15*	
21 13 13 00-0037	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	103.87	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.02*	
		For >100 To 500, Deduct	*-13.90*	
		For >500 To 1,000, Deduct	*-24.91*	
		For >1,000, Deduct	*-32.23*	
21 13 13 00-0038	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	95.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 500, Deduct	*-12.92*	
		For >500 To 1,000, Deduct	*-24.06*	
		For >1,000, Deduct	*-32.18*	
21 13 13 00-0039	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	102.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-13.80*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-33.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0040	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	103.69	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.98*	
		For >500 To 1,000, Deduct	*-25.57*	
		For >1,000, Deduct	*-33.70*	
21 13 13 00-0041	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	95.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 500, Deduct	*-12.92*	
		For >500 To 1,000, Deduct	*-24.06*	
		For >1,000, Deduct	*-32.18*	
21 13 13 00-0042	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	102.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-13.80*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-33.44*	
21 13 13 00-0043	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	103.69	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.98*	
		For >500 To 1,000, Deduct	*-25.57*	
		For >1,000, Deduct	*-33.70*	
21 13 13 00-0044	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	94.72	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.75*	
		For >500 To 1,000, Deduct	*-23.27*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0045	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	99.29	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-24.09*	
		For >1,000, Deduct	*-31.40*	
21 13 13 00-0046	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	100.18	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0047	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	94.72	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.75*	
		For >500 To 1,000, Deduct	*-23.27*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0048	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	99.29	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-24.09*	
		For >1,000, Deduct	*-31.40*	
21 13 13 00-0049	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	100.18	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0050	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	100.16	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.43*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0051	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	144.35	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-9.25*	
		For >100 To 500, Deduct	*-19.06*	
		For >500 To 1,000, Deduct	*-32.89*	
		For >1,000, Deduct	*-41.02*	
21 13 13 00-0052	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	149.61	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-19.72*	
		For >500 To 1,000, Deduct	*-33.84*	
		For >1,000, Deduct	*-41.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0053	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	149.61	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-19.72*	
		For >500 To 1,000, Deduct	*-33.84*	
		For >1,000, Deduct	*-41.96*	
21 13 13 00-0054	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	108.85	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-26.50*	
		For >1,000, Deduct	*-34.63*	
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	112.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-15.07*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.27*	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	112.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-15.07*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.27*	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	411.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-22.40*	
		For >100 To 500, Deduct	*-52.35*	
		For >500 To 1,000, Deduct	*-80.29*	
		For >1,000, Deduct	*-87.60*	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	452.72	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-24.67*	
		For >100 To 500, Deduct	*-57.61*	
		For >500 To 1,000, Deduct	*-88.40*	
		For >1,000, Deduct	*-96.52*	
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	200.74	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-26.01*	
		For >500 To 1,000, Deduct	*-42.35*	
		For >1,000, Deduct	*-49.66*	
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	255.65	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-14.61*	
		For >100 To 500, Deduct	*-32.87*	
		For >500 To 1,000, Deduct	*-52.23*	
		For >1,000, Deduct	*-59.55*	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	485.27	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-26.09*	
		For >100 To 500, Deduct	*-61.57*	
		For >500 To 1,000, Deduct	*-93.57*	
		For >1,000, Deduct	*-100.88*	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	628.36	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-33.25*	
		For >100 To 500, Deduct	*-79.46*	
		For >500 To 1,000, Deduct	*-119.32*	
		For >1,000, Deduct	*-126.64*	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	259.71	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-15.02*	
		For >100 To 500, Deduct	*-33.48*	
		For >500 To 1,000, Deduct	*-53.65*	
		For >1,000, Deduct	*-61.78*	
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	261.37	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-15.10*	
		For >100 To 500, Deduct	*-33.69*	
		For >500 To 1,000, Deduct	*-53.95*	
		For >1,000, Deduct	*-62.08*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	81.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 500, Deduct	*-11.10*	
		For >500 To 1,000, Deduct	*-20.89*	
		For >1,000, Deduct	*-28.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	86.08	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-21.71*	
		For >1,000, Deduct	*-29.03*	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	88.99	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-12.04*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-29.55*	
21 13 13 00-0069	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	96.90	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 500, Deduct	*-13.13*	
		For >500 To 1,000, Deduct	*-24.35*	
		For >1,000, Deduct	*-32.48*	
21 13 13 00-0070	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	102.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-13.80*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-33.44*	
21 13 13 00-0071	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	103.10	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.19*	
		For >100 To 500, Deduct	*-13.90*	
		For >500 To 1,000, Deduct	*-25.47*	
		For >1,000, Deduct	*-33.59*	
21 13 13 00-0072	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	411.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-22.40*	
		For >100 To 500, Deduct	*-52.35*	
		For >500 To 1,000, Deduct	*-80.29*	
		For >1,000, Deduct	*-87.60*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	81.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 500, Deduct	*-11.10*	
		For >500 To 1,000, Deduct	*-20.89*	
		For >1,000, Deduct	*-28.20*	
21 13 13 00-0075	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	86.08	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-21.71*	
		For >1,000, Deduct	*-29.03*	
21 13 13 00-0076	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	88.99	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-12.04*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-29.55*	
21 13 13 00-0077	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	95.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 500, Deduct	*-12.92*	
		For >500 To 1,000, Deduct	*-24.06*	
		For >1,000, Deduct	*-32.18*	
21 13 13 00-0078	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	102.27	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-13.80*	
		For >500 To 1,000, Deduct	*-25.32*	
		For >1,000, Deduct	*-33.44*	
21 13 13 00-0079	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	103.69	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.98*	
		For >500 To 1,000, Deduct	*-25.57*	
		For >1,000, Deduct	*-33.70*	
21 13 13 00-0080	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	94.72	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.75*	
		For >500 To 1,000, Deduct	*-23.27*	
		For >1,000, Deduct	*-30.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0081	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	99.29	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-24.09*	
		For >1,000, Deduct	*-31.40*	
21 13 13 00-0082	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.18	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0083	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	94.72	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.75*	
		For >500 To 1,000, Deduct	*-23.27*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0084	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	99.29	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-24.09*	
		For >1,000, Deduct	*-31.40*	
21 13 13 00-0085	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.18	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0086	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	94.72	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 500, Deduct	*-12.75*	
		For >500 To 1,000, Deduct	*-23.27*	
		For >1,000, Deduct	*-30.58*	
21 13 13 00-0087	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	99.29	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-24.09*	
		For >1,000, Deduct	*-31.40*	
21 13 13 00-0088	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	100.18	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.44*	
		For >500 To 1,000, Deduct	*-24.25*	
		For >1,000, Deduct	*-31.56*	
21 13 13 00-0089	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	81.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-5.90*	
		For >100 To 500, Deduct	*-11.10*	
		For >500 To 1,000, Deduct	*-20.89*	
		For >1,000, Deduct	*-28.20*	
21 13 13 00-0090	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	86.08	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-21.71*	
		For >1,000, Deduct	*-29.03*	
21 13 13 00-0091	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	88.99	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-12.04*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-29.55*	
21 13 13 00-0092	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	83.80	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 500, Deduct	*-11.39*	
		For >500 To 1,000, Deduct	*-21.30*	
		For >1,000, Deduct	*-28.61*	
21 13 13 00-0093	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	87.04	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.18*	
		For >100 To 500, Deduct	*-11.79*	
		For >500 To 1,000, Deduct	*-21.88*	
		For >1,000, Deduct	*-29.20*	
21 13 13 00-0094	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	89.99	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 500, Deduct	*-12.16*	
		For >500 To 1,000, Deduct	*-22.42*	
		For >1,000, Deduct	*-29.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0095	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	99.60	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-13.47*	
		For >500 To 1,000, Deduct	*-24.84*	
		For >1,000, Deduct	*-32.96*	
21 13 13 00-0096	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	105.53	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-25.90*	
		For >1,000, Deduct	*-34.03*	
21 13 13 00-0097	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.53	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-25.90*	
		For >1,000, Deduct	*-34.03*	
21 13 13 00-0098	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	97.88	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 500, Deduct	*-13.15*	
		For >500 To 1,000, Deduct	*-23.84*	
		For >1,000, Deduct	*-31.15*	
21 13 13 00-0099	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	103.87	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.02*	
		For >100 To 500, Deduct	*-13.90*	
		For >500 To 1,000, Deduct	*-24.91*	
		For >1,000, Deduct	*-32.23*	
21 13 13 00-0100	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	112.84	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 500, Deduct	*-15.02*	
		For >500 To 1,000, Deduct	*-26.53*	
		For >1,000, Deduct	*-33.84*	
21 13 13 00-0101	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	122.66	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-16.25*	
		For >500 To 1,000, Deduct	*-28.30*	
		For >1,000, Deduct	*-35.61*	
21 13 13 00-0102	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	112.84	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 500, Deduct	*-15.02*	
		For >500 To 1,000, Deduct	*-26.53*	
		For >1,000, Deduct	*-33.84*	
21 13 13 00-0103	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	122.66	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-16.25*	
		For >500 To 1,000, Deduct	*-28.30*	
		For >1,000, Deduct	*-35.61*	
21 13 13 00-0104	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	90.14	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.34*	
		For >100 To 500, Deduct	*-12.18*	
		For >500 To 1,000, Deduct	*-22.44*	
		For >1,000, Deduct	*-29.76*	
21 13 13 00-0105	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	95.28	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.59*	
		For >100 To 500, Deduct	*-12.82*	
		For >500 To 1,000, Deduct	*-23.37*	
		For >1,000, Deduct	*-30.68*	
21 13 13 00-0106	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	97.98	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-13.16*	
		For >500 To 1,000, Deduct	*-23.85*	
		For >1,000, Deduct	*-31.17*	
21 13 13 00-0107	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	97.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.90*	
		For >100 To 500, Deduct	*-13.20*	
		For >500 To 1,000, Deduct	*-24.45*	
		For >1,000, Deduct	*-32.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0108	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	102.53	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 500, Deduct	*-13.83*	
		For >500 To 1,000, Deduct	*-25.36*	
		For >1,000, Deduct	*-33.49*	
21 13 13 00-0109	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-14.45*	
		For >500 To 1,000, Deduct	*-26.25*	
		For >1,000, Deduct	*-34.37*	
21 13 13 00-0110	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	93.04	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-12.54*	
		For >500 To 1,000, Deduct	*-22.96*	
		For >1,000, Deduct	*-30.28*	
21 13 13 00-0111	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	98.09	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-13.18*	
		For >500 To 1,000, Deduct	*-23.87*	
		For >1,000, Deduct	*-31.19*	
21 13 13 00-0112	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.84	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 500, Deduct	*-13.52*	
		For >500 To 1,000, Deduct	*-24.37*	
		For >1,000, Deduct	*-31.68*	
21 13 13 00-0113	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	99.60	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-13.47*	
		For >500 To 1,000, Deduct	*-24.84*	
		For >1,000, Deduct	*-32.96*	
21 13 13 00-0114	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	104.90	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-14.13*	
		For >500 To 1,000, Deduct	*-25.79*	
		For >1,000, Deduct	*-33.92*	
21 13 13 00-0115	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	110.01	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.53*	
		For >100 To 500, Deduct	*-14.77*	
		For >500 To 1,000, Deduct	*-26.71*	
		For >1,000, Deduct	*-34.83*	
21 13 13 00-0116	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	173.26	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-10.49*	
		For >100 To 500, Deduct	*-22.57*	
		For >500 To 1,000, Deduct	*-37.40*	
		For >1,000, Deduct	*-44.72*	
21 13 13 00-0117	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	173.26	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-10.49*	
		For >100 To 500, Deduct	*-22.57*	
		For >500 To 1,000, Deduct	*-37.40*	
		For >1,000, Deduct	*-44.72*	
21 13 13 00-0118	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	114.12	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.74*	
		For >100 To 500, Deduct	*-15.28*	
		For >500 To 1,000, Deduct	*-27.45*	
		For >1,000, Deduct	*-35.57*	
21 13 13 00-0119	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	118.00	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 500, Deduct	*-15.77*	
		For >500 To 1,000, Deduct	*-28.15*	
		For >1,000, Deduct	*-36.27*	
21 13 13 00-0120	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	118.00	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 500, Deduct	*-15.77*	
		For >500 To 1,000, Deduct	*-28.15*	
		For >1,000, Deduct	*-36.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0121	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	108.85	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-26.50*	
		For >1,000, Deduct	*-34.63*	
21 13 13 00-0122	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	112.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-15.07*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.27*	
21 13 13 00-0123	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	112.45	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-15.07*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.27*	
21 13 13 00-0124	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	411.50	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-22.40*	
		For >100 To 500, Deduct	*-52.35*	
		For >500 To 1,000, Deduct	*-80.29*	
		For >1,000, Deduct	*-87.60*	
21 13 13 00-0125	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	452.72	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-24.67*	
		For >100 To 500, Deduct	*-57.61*	
		For >500 To 1,000, Deduct	*-88.40*	
		For >1,000, Deduct	*-96.52*	
21 13 13 00-0126	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	200.74	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-11.87*	
		For >100 To 500, Deduct	*-26.01*	
		For >500 To 1,000, Deduct	*-42.35*	
		For >1,000, Deduct	*-49.66*	
21 13 13 00-0127	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	255.65	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-14.61*	
		For >100 To 500, Deduct	*-32.87*	
		For >500 To 1,000, Deduct	*-52.23*	
		For >1,000, Deduct	*-59.55*	
21 13 13 00-0128	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	485.27	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-26.09*	
		For >100 To 500, Deduct	*-61.57*	
		For >500 To 1,000, Deduct	*-93.57*	
		For >1,000, Deduct	*-100.88*	
21 13 13 00-0129	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	628.36	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-33.25*	
		For >100 To 500, Deduct	*-79.46*	
		For >500 To 1,000, Deduct	*-119.32*	
		For >1,000, Deduct	*-126.64*	
21 13 13 00-0130	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	259.71	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-15.02*	
		For >100 To 500, Deduct	*-33.48*	
		For >500 To 1,000, Deduct	*-53.65*	
		For >1,000, Deduct	*-61.78*	
21 13 13 00-0131	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	261.37	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-15.10*	
		For >100 To 500, Deduct	*-33.69*	
		For >500 To 1,000, Deduct	*-53.95*	
		For >1,000, Deduct	*-62.08*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	88.34	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 500, Deduct	*-11.96*	
		For >500 To 1,000, Deduct	*-22.12*	
		For >1,000, Deduct	*-29.43*	
21 13 13 00-0135	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.01	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 500, Deduct	*-12.42*	
		For >500 To 1,000, Deduct	*-22.78*	
		For >1,000, Deduct	*-30.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	97.80	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 500, Deduct	*-13.14*	
		For >500 To 1,000, Deduct	*-23.82*	
		For >1,000, Deduct	*-31.13*	
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	90.41	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.35*	
		For >100 To 500, Deduct	*-12.22*	
		For >500 To 1,000, Deduct	*-22.49*	
		For >1,000, Deduct	*-29.80*	
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	94.14	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-12.68*	
		For >500 To 1,000, Deduct	*-23.16*	
		For >1,000, Deduct	*-30.48*	
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	100.05	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.83*	
		For >100 To 500, Deduct	*-13.42*	
		For >500 To 1,000, Deduct	*-24.23*	
		For >1,000, Deduct	*-31.54*	
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	103.87	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.02*	
		For >100 To 500, Deduct	*-13.90*	
		For >500 To 1,000, Deduct	*-24.91*	
		For >1,000, Deduct	*-32.23*	
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	109.84	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 500, Deduct	*-14.64*	
		For >500 To 1,000, Deduct	*-25.99*	
		For >1,000, Deduct	*-33.30*	
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	110.96	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 500, Deduct	*-14.89*	
		For >500 To 1,000, Deduct	*-26.88*	
		For >1,000, Deduct	*-35.01*	
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	119.90	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-16.00*	
		For >500 To 1,000, Deduct	*-28.49*	
		For >1,000, Deduct	*-36.62*	
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	116.74	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-15.51*	
		For >500 To 1,000, Deduct	*-27.23*	
		For >1,000, Deduct	*-34.54*	
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	122.66	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-16.25*	
		For >500 To 1,000, Deduct	*-28.30*	
		For >1,000, Deduct	*-35.61*	
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	116.74	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-15.51*	
		For >500 To 1,000, Deduct	*-27.23*	
		For >1,000, Deduct	*-34.54*	
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	122.66	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 500, Deduct	*-16.25*	
		For >500 To 1,000, Deduct	*-28.30*	
		For >1,000, Deduct	*-35.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	85.22	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 500, Deduct	*-11.57*	
		For >500 To 1,000, Deduct	*-21.56*	
		For >1,000, Deduct	*-28.87*	
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	88.25	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.24*	
		For >100 To 500, Deduct	*-11.95*	
		For >500 To 1,000, Deduct	*-22.10*	
		For >1,000, Deduct	*-29.42*	
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	92.02	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 500, Deduct	*-12.42*	
		For >500 To 1,000, Deduct	*-22.78*	
		For >1,000, Deduct	*-30.09*	
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	92.83	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.67*	
		For >100 To 500, Deduct	*-12.62*	
		For >500 To 1,000, Deduct	*-23.62*	
		For >1,000, Deduct	*-31.74*	
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	96.08	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 500, Deduct	*-13.03*	
		For >500 To 1,000, Deduct	*-24.20*	
		For >1,000, Deduct	*-32.33*	
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	99.59	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-13.46*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-32.96*	
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	95.41	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 500, Deduct	*-12.94*	
		For >500 To 1,000, Deduct	*-24.08*	
		For >1,000, Deduct	*-32.21*	
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	98.78	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-32.81*	
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	102.43	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-13.82*	
		For >500 To 1,000, Deduct	*-25.34*	
		For >1,000, Deduct	*-33.47*	
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	102.48	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 500, Deduct	*-13.83*	
		For >500 To 1,000, Deduct	*-25.35*	
		For >1,000, Deduct	*-33.48*	
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	107.46	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-14.45*	
		For >500 To 1,000, Deduct	*-26.25*	
		For >1,000, Deduct	*-34.38*	
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	107.46	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-14.45*	
		For >500 To 1,000, Deduct	*-26.25*	
		For >1,000, Deduct	*-34.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0160	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	206.28	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 500, Deduct	*-26.70*	
		For >500 To 1,000, Deduct	*-43.35*	
		For >1,000, Deduct	*-50.66*	
21 13 13 00-0161	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	206.28	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-12.14*	
		For >100 To 500, Deduct	*-26.70*	
		For >500 To 1,000, Deduct	*-43.35*	
		For >1,000, Deduct	*-50.66*	
21 13 13 00-0162	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.49	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-11.73*	
		For >500 To 1,000, Deduct	*-21.79*	
		For >1,000, Deduct	*-29.10*	
21 13 13 00-0163	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	86.49	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-11.73*	
		For >500 To 1,000, Deduct	*-21.79*	
		For >1,000, Deduct	*-29.10*	
21 13 13 00-0164	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	86.49	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-11.73*	
		For >500 To 1,000, Deduct	*-21.79*	
		For >1,000, Deduct	*-29.10*	
21 13 13 00-0165		**Vertical Sidewall Wet-Pipe Sprinkler Heads** *(21 13 13 00-0132)*		
21 13 13 00-0166	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	93.10	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-12.55*	
		For >500 To 1,000, Deduct	*-22.97*	
		For >1,000, Deduct	*-30.29*	
21 13 13 00-0167	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	97.67	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-13.12*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000, Deduct	*-31.11*	
21 13 13 00-0168	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	99.63	9.14
		For >25 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 500, Deduct	*-13.37*	
		For >500 To 1,000, Deduct	*-24.15*	
		For >1,000, Deduct	*-31.46*	
21 13 13 00-0169		**Concealed Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
21 13 13 00-0170		**Concealed Pendant Wet-Pipe Sprinkler Heads** *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	138.64	12.19
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-9.37*	
		For >100 To 500, Deduct	*-18.55*	
		For >500 To 1,000, Deduct	*-33.24*	
		For >1,000, Deduct	*-42.99*	
21 13 13 00-0172	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	84.98	12.19
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-23.58*	
		For >1,000, Deduct	*-33.33*	
21 13 13 00-0173	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	86.94	12.19
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 500, Deduct	*-12.09*	
		For >500 To 1,000, Deduct	*-23.94*	
		For >1,000, Deduct	*-33.69*	
21 13 13 00-0174	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	117.62	13.20
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 500, Deduct	*-16.02*	
		For >500 To 1,000, Deduct	*-30.15*	
		For >1,000, Deduct	*-40.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0175	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.55	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-8.12*	
		For >100 To 500, Deduct	*-15.41*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000, Deduct	*-38.48*	
21 13 13 00-0176	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.55	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-8.12*	
		For >100 To 500, Deduct	*-15.41*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000, Deduct	*-38.48*	
21 13 13 00-0177	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	117.62	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 500, Deduct	*-16.02*	
		For >500 To 1,000, Deduct	*-30.15*	
		For >1,000, Deduct	*-40.72*	
21 13 13 00-0178	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	101.00	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.84*	
		For >500 To 1,000, Deduct	*-26.47*	
		For >1,000, Deduct	*-36.22*	
21 13 13 00-0179	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.55	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-8.12*	
		For >100 To 500, Deduct	*-15.41*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000, Deduct	*-38.48*	
21 13 13 00-0180	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.55	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-8.12*	
		For >100 To 500, Deduct	*-15.41*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000, Deduct	*-38.48*	
21 13 13 00-0181	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	103.97	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-14.22*	
		For >500 To 1,000, Deduct	*-27.00*	
		For >1,000, Deduct	*-36.75*	
21 13 13 00-0182	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	196.50	14.22
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-12.67*	
		For >100 To 500, Deduct	*-25.98*	
		For >500 To 1,000, Deduct	*-45.04*	
		For >1,000, Deduct	*-56.42*	
21 13 13 00-0183	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	94.74	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-13.06*	
		For >500 To 1,000, Deduct	*-25.34*	
		For >1,000, Deduct	*-35.09*	
21 13 13 00-0184	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	98.00	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-13.57*	
		For >500 To 1,000, Deduct	*-26.62*	
		For >1,000, Deduct	*-37.18*	
21 13 13 00-0185	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	96.50	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.28*	
		For >500 To 1,000, Deduct	*-25.66*	
		For >1,000, Deduct	*-35.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0186	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	100.57	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.89*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0187	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.44	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-8.56*	
		For >100 To 500, Deduct	*-16.13*	
		For >500 To 1,000, Deduct	*-30.30*	
		For >1,000, Deduct	*-40.86*	
21 13 13 00-0188	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	237.21	14.22
		For >25 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-14.70*	
		For >100 To 500, Deduct	*-31.07*	
		For >500 To 1,000, Deduct	*-52.37*	
		For >1,000, Deduct	*-63.74*	
21 13 13 00-0189	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	237.21	14.22
		For >25 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-14.70*	
		For >100 To 500, Deduct	*-31.07*	
		For >500 To 1,000, Deduct	*-52.37*	
		For >1,000, Deduct	*-63.74*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	153.58	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-20.42*	
		For >500 To 1,000, Deduct	*-35.93*	
		For >1,000, Deduct	*-45.68*	
21 13 13 00-0192	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	175.12	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-11.40*	
		For >100 To 500, Deduct	*-23.21*	
		For >500 To 1,000, Deduct	*-40.50*	
		For >1,000, Deduct	*-51.07*	
21 13 13 00-0193	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.94	12.19
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 500, Deduct	*-14.96*	
		For >500 To 1,000, Deduct	*-28.08*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0194	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	107.36	13.20
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-8.01*	
		For >100 To 500, Deduct	*-14.74*	
		For >500 To 1,000, Deduct	*-28.30*	
		For >1,000, Deduct	*-38.87*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	446.62	10.16
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-24.36*	
		For >100 To 500, Deduct	*-56.84*	
		For >500 To 1,000, Deduct	*-87.30*	
		For >1,000, Deduct	*-95.42*	
21 13 13 00-0197	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	434.89	10.16
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-23.78*	
		For >100 To 500, Deduct	*-55.38*	
		For >500 To 1,000, Deduct	*-85.19*	
		For >1,000, Deduct	*-93.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0198	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	164.77	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-10.27*	
		For >100 To 500, Deduct	*-21.61*	
		For >500 To 1,000, Deduct	*-36.57*	
		For >1,000, Deduct	*-44.69*	
21 13 13 00-0199	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	189.10	10.16
		For >25 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-11.49*	
		For >100 To 500, Deduct	*-24.65*	
		For >500 To 1,000, Deduct	*-40.95*	
		For >1,000, Deduct	*-49.07*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	62.62	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 500, Deduct	*-8.22*	
		For >500 To 1,000, Deduct	*-13.95*	
		For >1,000, Deduct	*-17.11*	
21 13 13 00-0203	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	62.62	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 500, Deduct	*-8.22*	
		For >500 To 1,000, Deduct	*-13.95*	
		For >1,000, Deduct	*-17.11*	
21 13 13 00-0204	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	63.58	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.97*	
		For >100 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-14.13*	
		For >1,000, Deduct	*-17.28*	
21 13 13 00-0205	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	53.72	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 500, Deduct	*-7.11*	
		For >500 To 1,000, Deduct	*-12.35*	
		For >1,000, Deduct	*-15.51*	
21 13 13 00-0206	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	53.72	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 500, Deduct	*-7.11*	
		For >500 To 1,000, Deduct	*-12.35*	
		For >1,000, Deduct	*-15.51*	
21 13 13 00-0207	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	53.72	9.47
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 500, Deduct	*-7.11*	
		For >500 To 1,000, Deduct	*-12.35*	
		For >1,000, Deduct	*-15.51*	
21 13 13 00-0208	EA	1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	60.61	10.29
		For >25 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-3.89*	
		For >100 To 500, Deduct	*-8.01*	
		For >500 To 1,000, Deduct	*-13.83*	
		For >1,000, Deduct	*-17.26*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	25.29	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.31*	
		For >500 To 1,000, Deduct	*-5.59*	
		For >1,000, Deduct	*-6.81*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	25.29	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.31*	
		For >500 To 1,000, Deduct	*-5.59*	
		For >1,000, Deduct	*-6.81*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	23.54	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 500, Deduct	*-3.09*	
		For >500 To 1,000, Deduct	*-5.27*	
		For >1,000, Deduct	*-6.49*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	23.54	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 500, Deduct	*-3.09*	
		For >500 To 1,000, Deduct	*-5.27*	
		For >1,000, Deduct	*-6.49*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.60	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000, Deduct	*-5.06*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	24.41	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 500, Deduct	*-3.20*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-6.65*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	24.41	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 500, Deduct	*-3.20*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-6.65*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	7.94	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 500, Deduct	*-1.09*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.93*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.72	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000, Deduct	*-2.71*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.06	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.16	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.97*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	6.94	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.75*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	6.94	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.75*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.43	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.20*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.91	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.75*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.91	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.75*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.46	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	11.79	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-4.23*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.01	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-4.27*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.68	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.01	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-4.27*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	12.46	3.76
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 500, Deduct	*-1.70*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	32.40	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.20*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-8.09*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	38.41	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 500, Deduct	*-4.95*	
		For >500 To 1,000, Deduct	*-7.95*	
		For >1,000, Deduct	*-9.17*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	39.81	3.66
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 500, Deduct	*-5.13*	
		For >500 To 1,000, Deduct	*-8.20*	
		For >1,000, Deduct	*-9.42*	
21 13 13 00-0247		Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*		
21 13 13 00-0248	EA	Push On, Brass Replacement Sprinkler Escutcheon	12.38	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-3.73*	
21 13 13 00-0249	EA	Push On, Chrome Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0250	EA	Push On, White Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0251	EA	Flush, Brass Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0252	EA	Flush, Chrome Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0253	EA	Flush, White Replacement Sprinkler Escutcheon	15.93	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000, Deduct	*-4.37*	
21 13 13 00-0254	EA	Deep, Brass Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0255	EA	Deep, Chrome Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	
21 13 13 00-0256	EA	Deep, White Replacement Sprinkler Escutcheon	12.27	2.68
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-3.71*	

21 13 13 00-0257 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0258	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	85.12	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 500, Deduct	*-10.81*	
		For >500 To 1,000, Deduct	*-16.50*	
		For >1,000, Deduct	*-17.88*	
21 13 13 00-0259	EA	White Cover Plate For Concealed Pendent Sprinkler Head	37.39	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.90*	
		For >1,000, Deduct	*-9.29*	
21 13 13 00-0260	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	58.09	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-11.63*	
		For >1,000, Deduct	*-13.01*	
21 13 13 00-0261	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	52.72	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 500, Deduct	*-6.76*	
		For >500 To 1,000, Deduct	*-10.66*	
		For >1,000, Deduct	*-12.05*	
21 13 13 00-0262	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	40.54	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000, Deduct	*-9.85*	
21 13 13 00-0263	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	40.54	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000, Deduct	*-9.85*	
21 13 13 00-0264	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	52.72	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 500, Deduct	*-6.76*	
		For >500 To 1,000, Deduct	*-10.66*	
		For >1,000, Deduct	*-12.05*	
21 13 13 00-0265	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	52.72	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 500, Deduct	*-6.76*	
		For >500 To 1,000, Deduct	*-10.66*	
		For >1,000, Deduct	*-12.05*	
21 13 13 00-0266	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	62.37	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 500, Deduct	*-7.97*	
		For >500 To 1,000, Deduct	*-12.40*	
		For >1,000, Deduct	*-13.78*	
21 13 13 00-0267	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	62.37	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 500, Deduct	*-7.97*	
		For >500 To 1,000, Deduct	*-12.40*	
		For >1,000, Deduct	*-13.78*	
21 13 13 00-0268	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	62.37	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 500, Deduct	*-7.97*	
		For >500 To 1,000, Deduct	*-12.40*	
		For >1,000, Deduct	*-13.78*	
21 13 13 00-0269	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	52.78	4.14
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 500, Deduct	*-6.77*	
		For >500 To 1,000, Deduct	*-10.68*	
		For >1,000, Deduct	*-12.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	94.16	4.88
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 500, Deduct	*-11.97*	
		For >500 To 1,000, Deduct	*-18.33*	
		For >1,000, Deduct	*-19.96*	
21 13 13 00-0271	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFII)	27.29	4.06

21 13 13 00-0272 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0273	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube. Note: For use with 2 piece escutcheons	19.19	2.44
		For >25 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 500, Deduct	*-2.50*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-4.96*	
21 13 13 00-0274	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube. Note: For use with 2 piece escutcheons	26.12	2.56
		For >25 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 500, Deduct	*-3.37*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-6.28*	
21 13 13 00-0275	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube. Note: For use with 2 piece escutcheons	33.88	2.68
		For >25 To 50, Deduct	*-0.22*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-4.35*	
		For >500 To 1,000, Deduct	*-6.86*	
		For >1,000, Deduct	*-7.75*	
21 13 13 00-0276	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube. Note: For use with 2 piece escutcheons	40.81	2.80
		For >25 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 500, Deduct	*-5.22*	
		For >500 To 1,000, Deduct	*-8.14*	
		For >1,000, Deduct	*-9.07*	

21 13 13 00-0277 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0278	EA	Universal Sprinkler Head Guard, C-1	21.82	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 500, Deduct	*-3.03*	
		For >500 To 1,000, Deduct	*-6.00*	
		For >1,000, Deduct	*-8.44*	
21 13 13 00-0279	EA	Dry Pendent Sprinkler Head Guard, C-2	25.55	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 500, Deduct	*-3.50*	
		For >500 To 1,000, Deduct	*-6.67*	
		For >1,000, Deduct	*-9.11*	
21 13 13 00-0280	EA	Upright Sprinkler Head Guard With Water Shield, C-3	31.90	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-7.81*	
		For >1,000, Deduct	*-10.25*	
21 13 13 00-0281	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	39.74	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.27*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-11.66*	
21 13 13 00-0282	EA	Universal Sprinkler Head Guard, D-1	25.40	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.48*	
		For >500 To 1,000, Deduct	*-6.64*	
		For >1,000, Deduct	*-9.08*	
21 13 13 00-0283	EA	Upright Sprinkler Head Guard With Water Shield, D-3	27.82	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 500, Deduct	*-3.78*	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000, Deduct	*-9.52*	
21 13 13 00-0284	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	45.80	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 500, Deduct	*-6.03*	
		For >500 To 1,000, Deduct	*-10.32*	
		For >1,000, Deduct	*-12.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0285	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	42.20	7.31
		For >25 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 500, Deduct	*-5.58*	
		For >500 To 1,000, Deduct	*-9.67*	
		For >1,000, Deduct	*-12.11*	

21 13 13 00-0286 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0287	EA	2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	69.32	12.60
		For >25 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 500, Deduct	*-9.30*	
		For >500 To 1,000, Deduct	*-16.79*	
		For >1,000, Deduct	*-21.87*	
21 13 13 00-0288	EA	3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	77.36	13.00
		For >25 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 500, Deduct	*-10.34*	
		For >500 To 1,000, Deduct	*-18.47*	
		For >1,000, Deduct	*-23.81*	
21 13 13 00-0289	EA	4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	85.51	13.81
		For >25 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 500, Deduct	*-11.39*	
		For >500 To 1,000, Deduct	*-20.19*	
		For >1,000, Deduct	*-25.83*	
21 13 13 00-0290	EA	5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	93.85	14.63
		For >25 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-6.19*	
		For >100 To 500, Deduct	*-12.48*	
		For >500 To 1,000, Deduct	*-21.97*	
		For >1,000, Deduct	*-27.94*	
21 13 13 00-0291	EA	6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	102.40	16.25
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-13.59*	
		For >500 To 1,000, Deduct	*-23.83*	
		For >1,000, Deduct	*-30.18*	

21 13 13 00-0292 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0293	EA	3 Capacity Emergency Sprinkler Cabinet, A4	153.92
21 13 13 00-0294	EA	6 Capacity Emergency Sprinkler Cabinet, A4	157.98
21 13 13 00-0295	EA	12 Capacity Emergency Sprinkler Cabinet, A4	180.45
21 13 13 00-0296	EA	12 Capacity Emergency Sprinkler Cabinet, A3	673.74
21 13 13 00-0297	EA	Sprinkler Wrench, RC1	374.71
21 13 13 00-0298	EA	Sprinkler Wrench, FC	373.25
21 13 13 00-0299	EA	Sprinkler Wrench, W2	123.93

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assemblies *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	625.50	
		For Up To 5, Add	*278.72*	
		For >5 To 10, Add	*133.86*	
		For >10 To 20, Add	*105.34*	
		For >20 To 40, Add	*45.54*	
		For >100 To 150, Deduct	*-62.55*	
		For >150, Deduct	*-125.10*	
		For Copper Pipe, Add	*79.56*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-110.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	752.66	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*339.76*	
		For >5 To 10, Add	*172.00*	
		For >10 To 20, Add	*133.30*	
		For >20 To 40, Add	*56.98*	
		For >100 To 150, Deduct	*-75.27*	
		For >150, Deduct	*-150.53*	
		For Copper Pipe, Add	*93.55*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-131.19*	
		For Work In Restricted Working Space, Add	*116.08*	
21 13 16 00-0005		**Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies** *(21 13 16 00-0001)*		
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	605.75	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*270.47*	
		For >5 To 10, Add	*131.00*	
		For >10 To 20, Add	*102.83*	
		For >20 To 40, Add	*44.37*	
		For >100 To 150, Deduct	*-60.58*	
		For >150, Deduct	*-121.15*	
		For Copper Pipe, Add	*76.78*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-107.07*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	730.61	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*330.47*	
		For >5 To 10, Add	*168.62*	
		For >10 To 20, Add	*130.40*	
		For >20 To 40, Add	*55.64*	
		For >100 To 150, Deduct	*-73.06*	
		For >150, Deduct	*-146.12*	
		For Copper Pipe, Add	*90.48*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-127.01*	
		For Work In Restricted Working Space, Add	*114.68*	
21 13 16 00-0008		**Extra Hazard, Dry-Pipe Sprinkler System Assemblies** *(21 13 16 00-0001)*		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	569.54	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*254.06*	
		For >5 To 10, Add	*122.57*	
		For >10 To 20, Add	*96.33*	
		For >20 To 40, Add	*41.60*	
		For >100 To 150, Deduct	*-56.95*	
		For >150, Deduct	*-113.91*	
		For Copper Pipe, Add	*72.31*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-100.78*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	679.99	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*307.60*	
		For >5 To 10, Add	*157.01*	
		For >10 To 20, Add	*121.40*	
		For >20 To 40, Add	*51.80*	
		For >100 To 150, Deduct	*-68.00*	
		For >150, Deduct	*-136.00*	
		For Copper Pipe, Add	*84.20*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-118.20*	
		For Work In Restricted Working Space, Add	*106.81*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Compressors** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,344.88	224.23
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,517.80	224.23
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,663.71	224.23
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,231.11	224.23
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)*		
		Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,536.00	141.49
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	5,044.87	162.07
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,514.09	275.26
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	6,994.76	347.29
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	10,825.84	349.87
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)*		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim	1,185.35	199.63
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim	1,216.23	219.52
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim	1,371.11	273.71
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim	1,460.29	329.28
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim	1,646.68	370.44
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,422.55	103.70
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,742.74	110.39
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,255.10	117.76
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,448.83	135.83
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,039.11	160.58
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,873.75	169.94
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,724.34	176.63
21 13 16 00-0037		**Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)*		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	10,937.50	160.58
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	12,144.44	169.94
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	17,273.62	220.80
21 13 16 00-0041		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	303.55	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-17.62*	
		For >100 To 500, Deduct	*-39.16*	
		For >500 To 1,000, Deduct	*-62.93*	
		For >1,000, Deduct	*-72.68*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	318.22	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-18.35*	
		For >100 To 500, Deduct	*-41.00*	
		For >500 To 1,000, Deduct	*-65.57*	
		For >1,000, Deduct	*-75.32*	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	332.91	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-19.08*	
		For >100 To 500, Deduct	*-42.83*	
		For >500 To 1,000, Deduct	*-68.21*	
		For >1,000, Deduct	*-77.96*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	347.63	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-19.82*	
		For >100 To 500, Deduct	*-44.67*	
		For >500 To 1,000, Deduct	*-70.86*	
		For >1,000, Deduct	*-80.61*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	362.32	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-20.55*	
		For >100 To 500, Deduct	*-46.51*	
		For >500 To 1,000, Deduct	*-73.51*	
		For >1,000, Deduct	*-83.26*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.00	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-21.29*	
		For >100 To 500, Deduct	*-48.34*	
		For >500 To 1,000, Deduct	*-76.15*	
		For >1,000, Deduct	*-85.90*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	391.68	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-22.02*	
		For >100 To 500, Deduct	*-50.18*	
		For >500 To 1,000, Deduct	*-78.79*	
		For >1,000, Deduct	*-88.54*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	406.40	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-22.76*	
		For >100 To 500, Deduct	*-52.02*	
		For >500 To 1,000, Deduct	*-81.44*	
		For >1,000, Deduct	*-91.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	421.06	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-23.49*	
		For >100 To 500, Deduct	*-53.85*	
		For >500 To 1,000, Deduct	*-84.08*	
		For >1,000, Deduct	*-93.83*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	435.76	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-24.23*	
		For >100 To 500, Deduct	*-55.69*	
		For >500 To 1,000, Deduct	*-86.72*	
		For >1,000, Deduct	*-96.47*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	450.47	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-24.96*	
		For >100 To 500, Deduct	*-57.53*	
		For >500 To 1,000, Deduct	*-89.37*	
		For >1,000, Deduct	*-99.12*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	465.16	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-25.70*	
		For >100 To 500, Deduct	*-59.36*	
		For >500 To 1,000, Deduct	*-92.02*	
		For >1,000, Deduct	*-101.77*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	479.88	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-26.43*	
		For >100 To 500, Deduct	*-61.20*	
		For >500 To 1,000, Deduct	*-94.67*	
		For >1,000, Deduct	*-104.42*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	494.53	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-27.16*	
		For >100 To 500, Deduct	*-63.04*	
		For >500 To 1,000, Deduct	*-97.30*	
		For >1,000, Deduct	*-107.05*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	509.24	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-27.90*	
		For >100 To 500, Deduct	*-64.87*	
		For >500 To 1,000, Deduct	*-99.95*	
		For >1,000, Deduct	*-109.70*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	300.01	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-17.44*	
		For >100 To 500, Deduct	*-38.72*	
		For >500 To 1,000, Deduct	*-62.29*	
		For >1,000, Deduct	*-72.04*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	314.72	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-18.17*	
		For >100 To 500, Deduct	*-40.56*	
		For >500 To 1,000, Deduct	*-64.94*	
		For >1,000, Deduct	*-74.69*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	329.44	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 500, Deduct	*-42.40*	
		For >500 To 1,000, Deduct	*-67.59*	
		For >1,000, Deduct	*-77.34*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	344.08	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-19.64*	
		For >100 To 500, Deduct	*-44.23*	
		For >500 To 1,000, Deduct	*-70.22*	
		For >1,000, Deduct	*-79.97*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	358.79	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-20.38*	
		For >100 To 500, Deduct	*-46.07*	
		For >500 To 1,000, Deduct	*-72.87*	
		For >1,000, Deduct	*-82.62*	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	373.45	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-21.11*	
		For >100 To 500, Deduct	*-47.90*	
		For >500 To 1,000, Deduct	*-75.51*	
		For >1,000, Deduct	*-85.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	388.20	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-21.85*	
		For >100 To 500, Deduct	*-49.74*	
		For >500 To 1,000, Deduct	*-78.16*	
		For >1,000, Deduct	*-87.91*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	402.88	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-22.58*	
		For >100 To 500, Deduct	*-51.58*	
		For >500 To 1,000, Deduct	*-80.81*	
		For >1,000, Deduct	*-90.56*	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	417.54	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-23.31*	
		For >100 To 500, Deduct	*-53.41*	
		For >500 To 1,000, Deduct	*-83.44*	
		For >1,000, Deduct	*-93.19*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	432.22	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-24.05*	
		For >100 To 500, Deduct	*-55.25*	
		For >500 To 1,000, Deduct	*-86.09*	
		For >1,000, Deduct	*-95.84*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	446.93	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-24.78*	
		For >100 To 500, Deduct	*-57.09*	
		For >500 To 1,000, Deduct	*-88.73*	
		For >1,000, Deduct	*-98.48*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	461.62	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-25.52*	
		For >100 To 500, Deduct	*-58.92*	
		For >500 To 1,000, Deduct	*-91.38*	
		For >1,000, Deduct	*-101.13*	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	505.71	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-27.72*	
		For >100 To 500, Deduct	*-64.43*	
		For >500 To 1,000, Deduct	*-99.32*	
		For >1,000, Deduct	*-109.07*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	520.41	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-28.46*	
		For >100 To 500, Deduct	*-66.27*	
		For >500 To 1,000, Deduct	*-101.96*	
		For >1,000, Deduct	*-111.71*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	526.27	16.09
		For >25 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-28.75*	
		For >100 To 500, Deduct	*-67.00*	
		For >500 To 1,000, Deduct	*-103.02*	
		For >1,000, Deduct	*-112.77*	
21 13 16 00-0073		Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*		
21 13 16 00-0074	EA	23" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,549.21	16.09
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-80.10*	
		For >100 To 500, Deduct	*-194.97*	
		For >500 To 1,000, Deduct	*-287.84*	
		For >1,000, Deduct	*-298.40*	
21 13 16 00-0075	EA	30" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,549.21	16.09
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-80.10*	
		For >100 To 500, Deduct	*-194.97*	
		For >500 To 1,000, Deduct	*-287.84*	
		For >1,000, Deduct	*-298.40*	
21 13 16 00-0076	EA	36" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,549.21	16.09
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-80.10*	
		For >100 To 500, Deduct	*-194.97*	
		For >500 To 1,000, Deduct	*-287.84*	
		For >1,000, Deduct	*-298.40*	
21 13 16 00-0077	EA	36" Length, 1-1/4" Diameter ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,549.21	16.09
		For >25 To 50, Deduct	*-2.64*	
		For >50 To 100, Deduct	*-80.10*	
		For >100 To 500, Deduct	*-194.97*	
		For >500 To 1,000, Deduct	*-287.84*	
		For >1,000, Deduct	*-298.40*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0001		**Complete Preaction Sprinkler Systems Assemblies** *(21 13 19)* Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.		
21 13 19 00-0002		**Ordinary Hazard, Preaction Sprinkler System Assemblies** *(21 13 19 00-0001)*		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	560.56	
		For Up To 5, Add	*252.39*	
		For >5 To 10, Add	*154.36*	
		For >10 To 20, Add	*98.31*	
		For >20 To 40, Add	*42.11*	
		For >100 To 150, Deduct	*-56.06*	
		For >150, Deduct	*-112.11*	
21 13 19 00-0004		**Extra Hazard, Preaction Sprinkler System Assemblies** *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	521.77	
		For Up To 5, Add	*234.96*	
		For >5 To 10, Add	*143.73*	
		For >10 To 20, Add	*91.55*	
		For >20 To 40, Add	*39.21*	
		For >100 To 150, Deduct	*-52.18*	
		For >150, Deduct	*-104.35*	
21 13 26		**Deluge Fire-Suppression Sprinkler Systems** *(21 13)*		
21 13 26 00-0001		**Deluge Fire-Suppression Sprinkler Systems Equipment** *(21 13 26)* See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002		**Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment** *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	8,442.43	451.50
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*753.95*	
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,491.02	507.89
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*947.52*	
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	12,315.15	738.77
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,083.76*	
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	21,231.56	887.80
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,945.60*	
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		**Foam Control Valves And Monitors** *(21 13 39)*		
21 13 39 00-0002		**Control Valves** *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,194.41	451.50
21 13 39 00-0004		**Supply Valves** *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve	4,353.62	507.89
21 13 39 00-0006		**Proportioners** *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	3,160.61	738.77
21 13 39 00-0008		**Monitors** *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	6,594.89	101.58
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)* See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0390 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0870 for flanged black steel pipe fittings, 23 21 13 23-1599 for grooved pipe, 23 21 13 23-1672 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001		**Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41)* Note: SDR 13.5		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0002		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.78	1.30
		For Work In Restricted Working Space, Add	*0.98*	
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.84	1.38
		For Work In Restricted Working Space, Add	*1.05*	
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.51	1.54
		For Work In Restricted Working Space, Add	*1.15*	
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.34	1.71
		For Work In Restricted Working Space, Add	*1.27*	
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	12.20	1.87
		For Work In Restricted Working Space, Add	*1.41*	
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	17.03	2.11
		For Work In Restricted Working Space, Add	*1.61*	
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	24.12	2.52
		For Work In Restricted Working Space, Add	*1.90*	
21 13 41 00-0010		**Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	21.49	7.80
		For Work In Restricted Working Space, Add	*5.85*	
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	28.79	9.75
		For Work In Restricted Working Space, Add	*7.34*	
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	36.03	12.19
		For Work In Restricted Working Space, Add	*9.17*	
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.55	13.49
		For Work In Restricted Working Space, Add	*10.14*	
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	47.36	15.11
		For Work In Restricted Working Space, Add	*11.31*	
21 13 41 00-0016	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	61.45	17.15
		For Work In Restricted Working Space, Add	*12.87*	
21 13 41 00-0017	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	75.93	20.31
		For Work In Restricted Working Space, Add	*15.21*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	22.20	7.80
		For Work In Restricted Working Space, Add	*5.85*	
21 13 41 00-0020	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	27.66	9.75
		For Work In Restricted Working Space, Add	*7.34*	
21 13 41 00-0021	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	35.18	12.19
		For Work In Restricted Working Space, Add	*9.17*	
21 13 41 00-0022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.19	13.49
		For Work In Restricted Working Space, Add	*10.14*	
21 13 41 00-0023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	45.66	15.11
		For Work In Restricted Working Space, Add	*11.31*	
21 13 41 00-0024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	57.18	17.15
		For Work In Restricted Working Space, Add	*12.87*	
21 13 41 00-0025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	71.24	20.31
		For Work In Restricted Working Space, Add	*15.21*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	31.95	11.70
		For Work In Restricted Working Space, Add	*8.78*	
21 13 41 00-0028	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	42.06	14.71
		For Work In Restricted Working Space, Add	*11.02*	
21 13 41 00-0029	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	53.85	18.36
		For Work In Restricted Working Space, Add	*13.75*	
21 13 41 00-0030	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	62.50	20.31
		For Work In Restricted Working Space, Add	*15.21*	
21 13 41 00-0031	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	74.05	22.59
		For Work In Restricted Working Space, Add	*16.97*	
21 13 41 00-0032	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	92.77	25.76
		For Work In Restricted Working Space, Add	*19.31*	
21 13 41 00-0033	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	109.60	30.39
		For Work In Restricted Working Space, Add	*22.82*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	38.75	13.73
		For Work In Restricted Working Space, Add	*10.26*	
21 13 41 00-0036	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	51.06	17.15
		For Work In Restricted Working Space, Add	*12.82*	
21 13 41 00-0037	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	57.37	18.93
		For Work In Restricted Working Space, Add	*14.19*	
21 13 41 00-0038	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	68.88	21.13
		For Work In Restricted Working Space, Add	*15.85*	
21 13 41 00-0039	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	82.14	24.05
		For Work In Restricted Working Space, Add	*18.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0040	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	96.53	28.36
		For Work In Restricted Working Space, Add	*21.31*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	43.27	15.60
		For Work In Restricted Working Space, Add	*11.70*	
21 13 41 00-0043	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	54.25	19.58
		For Work In Restricted Working Space, Add	*14.68*	
21 13 41 00-0044	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	68.49	24.46
		For Work In Restricted Working Space, Add	*18.33*	
21 13 41 00-0045	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	77.69	27.06
		For Work In Restricted Working Space, Add	*20.28*	
21 13 41 00-0046	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	92.03	30.15
		For Work In Restricted Working Space, Add	*22.62*	
21 13 41 00-0047	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	122.04	34.29
		For Work In Restricted Working Space, Add	*25.75*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	14.91	5.20
		For Work In Restricted Working Space, Add	*3.90*	
21 13 41 00-0050	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	19.95	6.99
		For Work In Restricted Working Space, Add	*5.24*	
21 13 41 00-0051	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	26.54	9.18
		For Work In Restricted Working Space, Add	*6.87*	
21 13 41 00-0052	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	30.53	10.16
		For Work In Restricted Working Space, Add	*7.61*	
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.30	11.29
		For Work In Restricted Working Space, Add	*8.48*	
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	42.92	12.84
		For Work In Restricted Working Space, Add	*9.65*	
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	52.04	15.20
		For Work In Restricted Working Space, Add	*11.41*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	7.65	2.60
		For Work In Restricted Working Space, Add	*1.95*	
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	12.11	4.23
		For Work In Restricted Working Space, Add	*3.14*	
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.09	4.55
		For Work In Restricted Working Space, Add	*3.44*	
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.31	5.04
		For Work In Restricted Working Space, Add	*3.80*	
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	19.62	5.69
		For Work In Restricted Working Space, Add	*4.24*	
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	23.98	6.42
		For Work In Restricted Working Space, Add	*4.83*	
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	31.81	7.64
		For Work In Restricted Working Space, Add	*5.70*	
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	20.75	7.72
		For Work In Restricted Working Space, Add	*5.78*	
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	27.61	10.08
		For Work In Restricted Working Space, Add	*7.56*	
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	30.50	11.13
		For Work In Restricted Working Space, Add	*8.36*	
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	34.96	12.43
		For Work In Restricted Working Space, Add	*9.34*	
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	42.03	14.14
		For Work In Restricted Working Space, Add	*10.63*	
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	51.80	16.74
		For Work In Restricted Working Space, Add	*12.56*	
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	19.27	5.69
		For Work In Restricted Working Space, Add	*4.29*	
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	24.52	7.72
		For Work In Restricted Working Space, Add	*5.78*	
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		

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21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	19.27	5.69
		For Work In Restricted Working Space, Add	*4.29*	
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	24.52	7.72
		For Work In Restricted Working Space, Add	*5.78*	
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	22.18	6.99
		For Work In Restricted Working Space, Add	*5.27*	
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	28.49	8.78
		For Work In Restricted Working Space, Add	*6.61*	
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	29.91	8.78
		For Work In Restricted Working Space, Add	*6.61*	
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	36.27	11.70
		For Work In Restricted Working Space, Add	*8.78*	
21 13 41 00-0083	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	44.33	14.71
		For Work In Restricted Working Space, Add	*11.02*	
21 13 41 00-0084	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	58.48	18.36
		For Work In Restricted Working Space, Add	*13.75*	
21 13 41 00-0085	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	67.40	20.31
		For Work In Restricted Working Space, Add	*15.21*	
21 13 41 00-0086	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	80.01	22.59
		For Work In Restricted Working Space, Add	*16.97*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001		Carbon Dioxide Cylinders *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	2,461.41	152.79
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	4,922.83	305.57
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	235.20	47.12
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	137.78	27.91
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	30.25	11.31

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001		Ansul Fire Control Systems *(21 22 16)*		
21 22 16 00-0002		Sapphire® Fire Suppression Systems *(21 22 16 00-0001)* Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003		Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,747.45	52.09
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	2,003.64	52.09
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,037.32	52.09
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,898.79	69.45
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,068.15	69.45
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,260.22	86.81
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,466.72	86.81
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,270.36	104.18
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	45.75	104.18

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21 22 16 00-0013		**Nozzles, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	161.58	8.68
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	165.95	8.68
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	176.88	8.68
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	184.53	8.68
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	195.46	8.68
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	228.22	8.68
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	161.58	8.68
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	165.95	8.68
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	176.88	8.68
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	184.53	8.68
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	195.46	8.68
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	228.22	8.68
21 22 16 00-0026		**Actuation Attachments, Sapphire® Fire Suppression System** *(21 22 16 00-0002)*		
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	11.95	2.60
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	13.83	2.60
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	15.22	6.07
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	45.24	7.78
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	72.37	7.78
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	89.67	7.78
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	39.00	7.78
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	249.24	69.45
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	261.51	52.09
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	655.69	69.45
21 22 16 00-0037		**Nameplates, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	43.58	8.68
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	48.51	8.68
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	135.13	26.04
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	144.96	26.04
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	157.53	26.04
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	438.88	27.64
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	608.42	47.43
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	121.04	17.36
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	523.13	17.36
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	436.80	17.36
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,917.64	69.45
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	39.87	12.15
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	80.72	12.15
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	246.81	8.68
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	315.14	8.68
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	142.11	34.73
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	172.30	14.59
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	507.22	60.76
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	677.67	12.15
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	710.47	12.15
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	754.74	17.36
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	38.31	10.42
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	49.32	12.15
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	148.10	52.09
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	185.58	52.09
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	216.71	52.09
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	317.24	52.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	43.50	13.89
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	92.20	8.68
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	116.14	17.36
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	272.19	69.45
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	463.39	69.45
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,804.00	69.45
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	179.71	17.20
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	210.96	18.48
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	377.23	33.45
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	745.65	76.17
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,971.21	100.54
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	53.16	5.27
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	633.07	56.49
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,969.47	176.75
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,860.28	180.06
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,621.53	161.76
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,839.59	183.27
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,668.40	237.50
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,634.26	290.22
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,881.57	204.35
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,710.69	258.65
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,732.73	311.86
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	61.46	5.88
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	61.46	5.88
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	74.93	6.54
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,170.64	112.25
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	19.96	1.72
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	28.30	2.45
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	22.00	1.92
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	20.12	1.92
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	87.60	8.29
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	91.82	8.67
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	106.91	10.02
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	118.89	11.31
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	136.39	13.01
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	133.90	12.82
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	139.04	13.20
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	128.25	12.21
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	130.30	13.20
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	152.50	14.52
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	163.14	15.46
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	175.50	16.60
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	301.74	29.03
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	399.02	38.09
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	434.73	41.86
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	155.79	15.07
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	183.94	17.64
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	151.39	14.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	161.89	15.39
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	163.29	15.46
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	197.08	18.78
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	212.26	20.36
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	325.81	31.25
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	380.25	36.58
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	416.70	39.98
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	175.50	16.60
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	215.10	20.66
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	231.34	22.25
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	325.81	31.25
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	355.85	34.24
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	418.08	39.98
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	485.98	46.87
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	574.36	55.43
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	735.89	109.36
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	959.15	128.22
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,180.59	214.95
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	715.12	109.36
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	790.85	76.38
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,180.59	214.95
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	732.60	109.36
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	821.98	79.38
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,154.36	214.95
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	817.22	83.34
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,349.26	129.29
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,937.57	172.28
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,064.83	175.25
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	95.56	8.91
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	112.58	11.81
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,108.38	92.24
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	123.11	8.76
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	128.97	9.22
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	135.85	9.38
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	146.31	9.69
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	151.48	10.63
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	151.03	11.49
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	323.30	30.79
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	326.13	31.11
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	418.08	39.86
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	152.50	14.52
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	190.07	33.18
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	420.49	21.46
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	333.95	32.03
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	575.34	214.95
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	209.44	20.04
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	245.87	23.38
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	569.82	214.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	217.88	20.99
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	255.44	24.46
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	597.13	214.95
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	46.21	1.59
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	46.54	1.75
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	49.85	2.07
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	26.67	2.55
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	221.60	19.38
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	158.25	19.38
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	171.43	16.73
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	194.75	19.08
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	247.78	24.23
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	266.86	26.11
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	333.97	32.83
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	355.56	34.86
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	680.94	67.22
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	55.41	5.00
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	148.44	14.54
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	217.75	21.26
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	19.87	1.94
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,708.76	168.68
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,432.56	141.33
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,112.04	109.75
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	968.62	95.52
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	968.62	95.52
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	776.03	76.45
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,432.56	141.33
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	291.57	28.61
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	365.40	35.96
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	732.55	72.22
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	123.89	12.11
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	168.15	16.73
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	291.59	28.61
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	225.12	23.30
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	13.71	1.60
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	108.82	1.94
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	14.52	1.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	499.84	52.22
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	299.91	31.11
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	225.12	20.01
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	470.08	42.37
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	530.23	48.00
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	698.92	58.48
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,116.82	101.46
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	165.81	16.10
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	295.81	29.08
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	601.47	59.25
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,748.07	172.60
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,278.48	126.16
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	134.61	13.36
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	124.62	13.29
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	167.42	19.08
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	253.42	24.85
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	195.87	20.17
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	183.36	19.38
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	29.20	3.09
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	108.41	10.94
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	108.87	10.63
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	31.78	8.76
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	10.02	0.97
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	104.79	10.24
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	61.33	6.03
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	166.58	15.95
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	86.96	8.44
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	25.26	2.27
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	15.87	1.25
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	217.75	21.26
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	658.79	61.13
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,248.46	123.20
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	33.43	3.19
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	171.63	15.01
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	372.93	22.63
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	948.70	87.55
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	948.70	87.55
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,425.72	131.32
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,425.72	131.32
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,117.96	167.28
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	30.61	2.82
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	48.21	2.82
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	68.20	5.32
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	109.58	5.94
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	131.47	11.88
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	253.58	15.01
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	7,059.30	734.79
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	9,050.94	906.76
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	8,171.66	828.59
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	11,445.32	1,094.37
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	12,043.23	1,156.90
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	11,566.11	1,110.00
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	12,214.90	1,172.54
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	12,544.75	1,219.43
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	13,075.29	1,281.97
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	13,747.54	1,344.51
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	14,327.26	1,407.04
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	13,522.54	1,281.97
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,221.09	171.97
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,233.12	171.97
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,010.63	156.34
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,024.60	156.34
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,510.57	187.61
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,128.97	162.59
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,323.88	182.61
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	5,466.67	515.92
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,519.49	412.73
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,583.16	156.34
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,155.24	101.62
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,616.11	136.95
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,314.44	168.85
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	305.56	25.32
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,061.75	156.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,446.96	129.76
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,139.04	100.06
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,449.58	129.76
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,446.96	129.76
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,439.75	121.94
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	173.22	10.94
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	6,940.61	600.33
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	12,087.66	1,050.59
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	950.13	78.16
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	21.92	1.57
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.18	0.32
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	520.22	45.34
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	630.09	55.03
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	909.18	79.73
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	133.77	11.88
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	19.98	2.50

21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	18.71	1.87
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	19.35	2.19
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	30.61	2.82
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	30.66	2.82
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	110.53	10.63

21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	278.22	22.52
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	375.30	30.02
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	380.99	32.83
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	972.97	46.90
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,384.05	103.18

21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	4.87	1.30
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	7.85	2.60
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	20.83	7.80
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	21.82	7.80
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	15.25	5.20
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	25.25	7.80
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	32.34	11.70
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	41.57	13.73
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	3.97	1.13
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	17.58	3.44
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	23.82	2.50
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	34.38	3.44

21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,620.02	120.06
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,629.33	138.21
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	985.14	84.42
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,127.19	95.37
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,620.02	120.06
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,964.25	138.21
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	552.58	42.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	829.62	65.03
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,545.88	134.45
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,268.18	196.99
21 22 16 00-0364		Preferred® Low Pressure CO2 System *(21 22 16 00-0001)*		
21 22 16 00-0365		Manual Pull Stations, Preferred® Low Pressure CO2 System *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	122.02	10.94
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	91.35	8.13
21 22 16 00-0368		Industrial Fire Control System *(21 22 16 00-0001)*		
21 22 16 00-0369		Alarm Devices, Industrial Fire Control System *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,920.49	288.44
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	92.38	6.63
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	88.39	8.60
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	52.59	5.16
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	21.51	2.09
21 22 16 00-0375		Manual Pull Stations, Industrial Fire Control System *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	100.80	9.07
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	142.05	12.82
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,108.27	100.68
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	32.24	2.91
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	14.46	1.30
21 22 16 00-0381		Marine Fire Control System *(21 22 16 00-0001)*		
21 22 16 00-0382		Alarm Devices, Marine Fire Control System *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	58.47	5.26
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	107.06	10.16
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	107.06	10.16
21 22 16 00-0386		FM200 System Equipment *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,731.63	75.42
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,381.12	86.36
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,388.62	101.82
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,488.00	120.67
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,322.73	150.84
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	627.21	150.84
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	222.36	50.16
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	306.00	37.71
21 22 16 00-0395	LB	FM200 Gas	28.12	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,209.58	40.58
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	817.74	56.72
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	808.62	60.78
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	192.20	21.50
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	202.83	40.58
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,073.84	60.78
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	642.41	160.34
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,128.94	301.22
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	6,523.27	603.14
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	278.56	60.78
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,366.53	228.30
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	309.85	60.78
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	275.54	60.78
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,439.90	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	210.45	28.28

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,071.14	62.50
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,219.32	77.85
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,492.80	96.05
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,761.77	113.96
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	60.49	3.27
21 23 16 00-0008	EA	System Valve Actuator	214.87	12.99
21 23 16 00-0009	EA	Vent Plug	39.94	2.63
21 23 16 00-0010	EA	Gauge Shield	90.48	6.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	110.24	6.95
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	116.88	7.36
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	222.40	13.89
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	214.58	15.77
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	274.50	15.80
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	35.40	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	37.59	
21 23 16 00-0018		**Nozzles And Accessories** *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	98.65	6.39
21 23 16 00-0020	EA	LPF Or DM Nozzle	108.28	6.39
21 23 16 00-0021	EA	LPR Nozzle	128.13	6.39
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	74.51	4.52
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	11.68	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.23	0.42
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	30.21	6.36
21 23 16 00-0026		**Control Systems** *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,201.55	41.67
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	97.05	6.95
21 23 16 00-0029	EA	24" High Pressure Hose	116.74	6.95
21 23 16 00-0030	EA	60" High Pressure Hose	160.51	6.95
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	226.92	13.89
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	72.14	6.53
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	78.71	6.53
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	27.93	5.21
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	670.93	26.91
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	103.60	6.53
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	188.36	11.32
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	575.51	36.32
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	53.59	10.42
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	77.73	10.42
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	241.47	6.95
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	182.39	6.95
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	28.79	1.87
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	425.60	11.46
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	48.45	3.05
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	96.67	3.47
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	1.99	0.69
21 23 16 00-0049	EA	Cable Clamp	13.82	0.35
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.58	0.27
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.50	0.27
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	103.45	6.46
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	18.13	3.47
21 23 16 00-0055	EA	KGS Rapid Response Link	29.30	3.47
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	24.29	3.47
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	22.27	3.47
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	35.40	3.47
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	494.37	15.00
21 23 16 00-0061	EA	1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	534.10	18.47
21 23 16 00-0062	EA	1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	609.37	23.33
21 23 16 00-0063	EA	1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	666.45	26.87
21 23 16 00-0064	EA	2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	714.75	31.74
21 23 16 00-0065	EA	2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,196.85	46.39
21 23 16 00-0066	EA	3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,332.90	53.68
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	561.79	16.95
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	58.56	
21 23 16 00-0069	EA	1/2" Diameter, Electric Solenoid Gas Shut-off Valve	519.25	13.96
21 23 16 00-0070	EA	3/4" Diameter, Electric Solenoid Gas Shut-off Valve	521.35	15.00
21 23 16 00-0071	EA	1" Diameter, Electric Solenoid Gas Shut-off Valve	813.50	18.47
21 23 16 00-0072	EA	1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	854.09	23.33
21 23 16 00-0073	EA	1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	980.54	26.87
21 23 16 00-0074	EA	2" Diameter, Electric Solenoid Gas Shut-off Valve	1,265.85	31.74
21 23 16 00-0075	EA	2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	2,104.42	46.39
21 23 16 00-0076	EA	3" Diameter, Electric Solenoid Gas Shut-off Valve	2,652.82	53.68
21 23 16 00-0077	EA	Manual Reset Relay	611.70	69.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	54.00	2.92
21 23 16 00-0080	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter	52.60	3.19
21 23 16 00-0081	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter	61.57	3.82
21 23 16 00-0082	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter	71.73	4.10
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	61.57	3.82
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	52.60	3.19
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	52.60	3.19
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	85.96	5.42
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	114.52	7.15
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	52.60	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	386.85	20.97
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	341.43	21.39
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	291.82	5.28
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	982.27	60.49
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	208.95	12.92
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	330.21	12.92
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	334.32	9.16
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	96.51	5.84
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	12.91	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	787.06	48.61
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	967.55	49.31
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,393.63	71.05
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,823.03	97.16
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	195.59	11.60
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,288.44	75.84
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	786.68	46.25
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	25.40	1.53
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	25.40	1.53
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	26.08	1.53
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	25.40	1.53
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	25.40	1.53
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	27.86	1.53
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	44.00	2.57
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	57.06	3.41
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	45.60	17.57
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	537.30	39.10
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	480.85	15.00
21 23 16 00-0121	EA	1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	545.18	18.47
21 23 16 00-0122	EA	1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	582.28	23.33
21 23 16 00-0123	EA	1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	638.43	26.81
21 23 16 00-0124	EA	2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	732.89	31.66
21 23 16 00-0125	EA	2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,756.85	46.32
21 23 16 00-0126	EA	3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,867.10	53.61
21 23 16 00-0127	EA	3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	371.51	15.00
21 23 16 00-0128	EA	1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	646.31	18.47
21 23 16 00-0129	EA	1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	666.99	23.33
21 23 16 00-0130	EA	1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	758.65	26.81
21 23 16 00-0131	EA	2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,060.83	31.66
21 23 16 00-0132	EA	2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,079.30	46.32
21 23 16 00-0133	EA	3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,184.12	53.61
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	91.45	5.14
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	131.32	6.53
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	541.12	6.53
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	33.59	2.01
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,100.60	65.21
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,401.99	83.41
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	719.39	42.71
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	868.10	51.46
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	793.74	47.08
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	828.18	49.24
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,079.06	64.03
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,237.57	73.61
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	100.51	5.97
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	26.04	0.98
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	26.48	1.25
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	80.61	4.79
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.93	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	87.70	5.21
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	175.70	10.34
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	371.84	21.95
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.68	0.20
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.84	0.20
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.38	0.27
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.62	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	83.22	5.00
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	86.90	5.21
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	10.21	0.62
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	120.16	6.80
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	16.75	0.98
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	23.31	1.39
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	10.21	0.62
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	14.35	0.83
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	14.03	0.83
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.01	0.20
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	6.79	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	129.78	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	897.57	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,158.71	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,334.88	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	40.85	2.36
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	42.27	2.50
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	81.44	4.79
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	115.24	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	247.73	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	164.37	9.80
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	169.63	13.75
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	44.00	2.57
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	4.93	0.91
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,470.28	152.79
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,560.15	152.79
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	855.57	34.73
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	796.86	34.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems *(21 24 16)*

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	641.48	53.89
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	906.48	67.89
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent	215.29	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent	378.45	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	150.71	11.30
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	87.80	6.55
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	38.07	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	150.71	11.30
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	378.45	28.34
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	201.69	15.07
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	251.79	15.07
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	600.55	44.99
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	45.33	3.39
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	201.69	15.07
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	36.26	2.71
21 24 16 00-0017	EA	Detector	27.19	2.03
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	10.19	0.75
21 24 16 00-0019	EA	Test Link	2.39	
21 24 16 00-0020	EA	Corner Pulley	14.05	1.06
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	226.62	16.96
21 24 16 00-0022	EA	Pulley Tee	101.97	7.61
21 24 16 00-0023	EA	Manual Pull Station (Standard)	90.65	6.78
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit	42.51	3.16
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	101.07	7.54
21 24 16 00-0026	EA	Conduit Offset	20.17	1.50
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal)	27.78	2.11
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal	22.66	1.74
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal	37.85	2.87
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal	37.85	2.87
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off	8.72	1.96
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off	25.10	1.96
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	45.33	3.39
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	45.33	3.39
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	45.33	3.39
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	45.33	3.39
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	45.33	3.39
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	65.17	4.90
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve	373.28	19.96
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve	429.92	29.01
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve	538.73	34.28
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	571.08	42.72
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	30.04	2.26
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	48.50	3.62
21 24 16 00-0045	EA	Gas Valve Trip Assembly	101.98	7.61

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	679.15	58.26
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	847.78	72.72
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,046.63	89.79
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,243.17	106.61
21 24 16 00-0051	EA	Vent Plug	28.50	2.43
21 24 16 00-0052	EA	Discharge Adapter Kit	36.75	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	75.59	6.46
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	80.01	6.88
21 24 16 00-0055	EA	4 Gallon Wall Bracket	151.08	12.99
21 24 16 00-0056	EA	6 Gallon Wall Bracket	167.46	14.37
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	590.77	50.69
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	616.35	52.85
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	707.06	60.63
21 24 16 00-0060	EA	Tandem Control Head	537.27	46.12
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	909.41	77.99
21 24 16 00-0062	EA	Mechanical Control Box	404.70	34.73
21 24 16 00-0063	EA	Tandem Control Box	404.70	34.73
21 24 16 00-0064	EA	Mechanical Control Box Adapter	118.61	10.21
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	356.46	30.56
21 24 16 00-0066	EA	Pressure Operated Actuator	146.52	12.57
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	237.24	20.35
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	241.89	20.76
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	59.31	5.07
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	684.54	58.68
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	146.52	12.57
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	146.52	12.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0073	EA	Check Valve	115.49	14.93
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	66.29	5.70
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	28.83	2.47
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	7.57	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	151.18	12.99
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	69.31	5.97
21 24 16 00-0079	EA	Nozzles; DM And LPF	77.21	6.60
21 24 16 00-0080	EA	Swivel Adapter	48.84	4.17
21 24 16 00-0081	EA	Corner Pulley	20.93	1.81
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.77	0.20
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.97	0.20
21 24 16 00-0084	EA	"S" Hook	0.81	0.14
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	72.08	6.18
21 24 16 00-0086	EA	Cable Clamp	6.42	0.56
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.83	0.14
21 24 16 00-0088	EA	3/8" Cable Anchor	76.17	6.53
21 24 16 00-0089	EA	1/2" Cable Anchor	76.17	6.53
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	123.24	10.56
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	131.51	11.25
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	154.07	13.19
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	48.26	4.17
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	202.28	17.29
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	154.07	13.19
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	183.69	15.77
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	33.02	2.85
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	36.65	3.12
21 24 16 00-0099	EA	Fusible Link 165F To 360F	11.99	1.04
21 24 16 00-0100	EA	Fusible Link 500F	19.99	1.04
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	36.65	3.12
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	25.57	3.12
21 24 16 00-0103	EA	Quartzoid Link 400 F	197.64	16.95
21 24 16 00-0104	EA	Quartzoid Link 500 F	197.64	16.95
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	70.81	6.04
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	123.24	10.56
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	73.24	6.25
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	126.94	10.90
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	93.01	7.98
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	134.16	11.46
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	392.94	33.68
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	176.70	15.14
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	176.70	15.14
21 24 16 00-0114	EA	Electric Manual Pull Station	129.04	11.05
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	72.08	6.18
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	102.31	8.75
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.27	0.69
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	36.65	3.12
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	36.65	3.12
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	134.86	11.52
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	148.81	12.78
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.03	0.91
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	18.60	1.60
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	199.96	17.15
21 24 16 00-0125	EA	Suppression Abort Station	211.59	18.13
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	246.46	21.12
21 24 16 00-0127	EA	Surface Mount Back Box	81.38	6.95
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,511.30	129.38
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,511.30	129.38
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	125.55	10.76
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.70	0.49
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,092.75	
21 24 16 00-0133	EA	Extra Scorpio Key	18.60	
21 24 16 00-0134	EA	Extra Scorpio Manual	11.62	
21 24 16 00-0135	EA	3/8" Diameter Pipe Compression Seal Adapter	31.62	2.71
21 24 16 00-0136	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	34.31	2.92
21 24 16 00-0137	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	41.29	3.54
21 24 16 00-0138	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	44.18	3.75
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	34.31	2.92
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	34.31	2.92
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	58.72	5.07
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	77.88	6.66
21 24 16 00-0143	EA	Up To 1-1/8" Diameter Quik Patch	34.31	2.92
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	76.40	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	131.36	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	198.56	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	290.53	
21 24 16 00-0148	EA	Inlet Flushing Adapter	56.96	4.86
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	56.96	4.86
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	56.96	4.86
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	56.96	4.86
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	56.96	4.86
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	79.05	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.13	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	7.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0156	EA	Inspection Label, Authorized Installers Only	4.97	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.24	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	999.76	85.63
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,167.16	99.93
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,453.15	124.45
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,453.15	124.45
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,827.49	156.47
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	866.07	74.17
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	813.76	69.65
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	657.98	56.32
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,139.26	97.57
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,043.93	89.38

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	21,418.15	1,460.82
		For Duplex Pumping System, Add	*19,957.33*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	24,814.39	1,643.43
		For Duplex Pumping System, Add	*23,292.70*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	33,471.54	1,826.03
		For Duplex Pumping System, Add	*31,780.77*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	41,511.62	2,170.82
		For Duplex Pumping System, Add	*39,340.81*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	46,287.08	2,368.16
		For Duplex Pumping System, Add	*43,918.92*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	80,729.68	1,776.12
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	91,356.07	1,973.47
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	95,899.30	2,170.82
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	109,225.88	2,368.16
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	115,705.36	2,762.86
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	124,008.64	3,552.25
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	134,522.80	3,946.94
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	153,836.10	4,499.51
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	184,755.43	4,854.73
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	216,926.72	5,525.71
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	258,063.72	5,920.41
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	290,924.15	6,315.10

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,569.44	190.70
21 34 13 00-0003	EA	2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,667.84	208.55
21 34 13 00-0004	EA	3 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,320.63	230.50
21 34 13 00-0005	EA	5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,615.73	274.40
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	5,417.76	337.51

21 34 13 00-0007 Jockey Pump Controllers *(21 34 13)*

21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	675.31	54.88
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,081.89	54.88

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	41.81	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	42.96	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.15	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.04	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	53.71	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	68.01	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	83.98	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	95.74	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	109.23	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	67.72	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	70.75	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	78.27	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	86.02	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	94.41	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	121.53	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	143.05	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	159.92	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	180.27	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	97.79	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	100.81	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	111.31	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	122.04	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	137.70	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	166.67	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	189.31	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	226.59	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	281.85	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	287.55	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	308.83	

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	57.07	
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	57.09	
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	39.64	
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.58	
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.45	
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	48.32	
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	56.40	
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	80.25	
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	62.79	
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	63.79	
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	87.98	
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	71.23	
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	74.83	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	80.09	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.40	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	107.30	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	90.50	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.20	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	98.78	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	110.16	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	130.53	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	143.65	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	151.90	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	179.42	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	162.05	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	163.48	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	186.27	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	186.54	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	187.00	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	188.75	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	188.55	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	187.41	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	187.34	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	186.72	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	169.64	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	46.00	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	50.21	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	60.07	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	80.51	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	122.94	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	186.76	

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam *(22 01 10 61)*

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.03	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	42.61	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	18.87	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	21.68	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	29.22	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	46.22	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	36.52	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	41.73	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	56.07	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	37.41	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	100.19	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	31.60	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	15.33	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	16.28	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	15.33	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	6.67	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	19.05	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	36.32	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	36.90	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	24.97	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	29.57	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	19.42	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	17.14	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	29.25	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	8.06	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	127.21	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	145.55	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	161.42	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	176.74	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	150.89	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	15.70	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	14.20	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	14.39	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	61.77	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	63.79	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	311.05	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	70.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	43.68	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	7.79	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	58.42	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	26.40	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	30.73	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	18.66	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	25.57	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	30.80	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	21.80	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	271.57	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	352.41	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	197.25	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	85.59	7.54
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*6.59*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	86.73	7.54
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*6.93*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	88.31	7.54
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*7.29*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.55	8.29
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*9.83*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	123.93	9.42
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*11.90*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	187.82	10.02
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*15.07*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	207.50	11.60
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*17.39*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	249.67	13.72
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*20.55*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	618.11	18.54
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*27.78*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	726.96	21.53
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*32.05*	

22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)

22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	106.79	7.54
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*6.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	107.75	7.54
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*6.93*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	127.49	7.54
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*7.29*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	140.74	8.29
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*9.83*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	168.64	9.42
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*11.90*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	248.97	10.02
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*15.07*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	284.42	11.60
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*17.39*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	368.52	13.72
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*20.55*	

22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*

Note: 200 psi cold working pressure.

22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	127.91	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	143.88	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	190.84	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	264.79	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	307.89	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	427.56	13.72
		For Work In Restricted Working Space, Add	*10.17*	

22 05 23 00-0029 Ball Valves *(22 05 23)*

22 05 23 00-0030 Crimped Bronze, Ball Valves *(22 05 23 00-0029)*

22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*

Note: NIBCO

22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	83.97	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	110.62	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	143.27	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	240.42	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	321.81	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	491.56	13.72
		For Work In Restricted Working Space, Add	*10.17*	

22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	46.19	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	60.38	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	73.63	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	107.60	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	142.02	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	215.60	13.72
		For Work In Restricted Working Space, Add	*10.17*	

22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	54.88	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	66.70	8.29
		For Work In Restricted Working Space, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	83.74	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	139.19	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	209.96	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	294.60	13.72
		For Work In Restricted Working Space, Add	*10.17*	
22 05 23 00-0052		**Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves** *(22 05 23 00-0030)*		
22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	52.51	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	64.49	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	78.68	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0056		**Check Valves** *(22 05 23)*		
22 05 23 00-0057		**Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves** *(22 05 23 00-0056)*		
		Note: NIBCO		
22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	171.82	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	220.40	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	307.37	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	413.74	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	495.16	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	713.46	13.72
		For Work In Restricted Working Space, Add	*10.17*	
22 05 23 00-0064		**Crimped Bronze, 250 PSI, In-Line, Check Valves** *(22 05 23 00-0056)*		
22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	39.52	7.54
		For Work In Restricted Working Space, Add	*5.09*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	48.17	8.29
		For Work In Restricted Working Space, Add	*5.79*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	56.34	9.42
		For Work In Restricted Working Space, Add	*6.92*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	73.54	10.02
		For Work In Restricted Working Space, Add	*7.63*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	96.56	11.60
		For Work In Restricted Working Space, Add	*8.48*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	158.20	13.72
		For Work In Restricted Working Space, Add	*10.17*	
22 05 23 00-0071		**Butterfly Valves** *(22 05 23)*		
22 05 23 00-0072		**Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve** *(22 05 23 00-0071)*		
22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,348.11	20.12
		For Work In Restricted Working Space, Add	*11.87*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,456.31	23.36
		For Work In Restricted Working Space, Add	*14.13*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,818.08	26.38
		For Work In Restricted Working Space, Add	*18.65*	
22 05 23 00-0076		**Earthquake-Sensitive Gas Shut-Off Valves** *(22 05 23)*		
22 05 23 00-0077		**0.5 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0076)*		
22 05 23 00-0078	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	176.63	8.29
22 05 23 00-0079	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	198.05	9.42
22 05 23 00-0080		**7 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0076)*		
22 05 23 00-0081	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	228.42	10.02
22 05 23 00-0082	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	315.34	11.60
22 05 23 00-0083		**60 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0076)*		
22 05 23 00-0084	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	224.15	8.29
22 05 23 00-0085	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	231.05	9.42
22 05 23 00-0086	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	254.81	10.02
22 05 23 00-0087	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	354.94	11.60
22 05 23 00-0088	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	860.44	13.72
22 05 23 00-0089	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,016.12	18.46
22 05 23 00-0090	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,327.75	21.53
22 05 23 00-0091	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,540.43	24.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0092		60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0076)*		
22 05 23 00-0093	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,181.50	100.44
22 05 23 00-0094	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,461.06	118.06
22 05 23 00-0095	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,029.89	197.93
22 05 23 00-0096	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,384.02	225.01
22 05 23 00-0097	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,464.46	287.51

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001		Cast Iron Cleanout With Plug And Cover *(22 05 76)*		
		Note: For floor installation.		
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*		
22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	815.36	40.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	866.20	50.26
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,085.81	60.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,599.72	67.96
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,990.64	73.62
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0008		Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*		
22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	952.80	40.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,005.82	50.26
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,225.43	60.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,739.35	67.96
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,130.26	73.62
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	98.15	12.59
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	103.17	15.07
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	135.75	16.96
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	247.14	18.84
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	385.43	20.72
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	573.98	12.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	834.42	13.19
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	891.82	13.94
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	997.23	15.82
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	584.47	12.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	849.87	13.19
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	908.34	13.94
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,015.70	15.82
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	566.35	12.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	790.31	13.19
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,128.46	13.94
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,367.88	15.82
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	569.06	40.08
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	640.29	50.18
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	846.79	60.73
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,183.88	73.62
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,057.97	40.08
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,129.19	50.18
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,303.25	60.73
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,844.25	73.62
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*88.80*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	466.28	32.78
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	523.27	35.79
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	698.76	47.09
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,084.39	55.76
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,915.46	65.93
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	72.83	9.42
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	89.05	10.25
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	162.35	11.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	180.84	13.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	204.22	15.07
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	293.77	16.96
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	442.15	18.84
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	764.47	20.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,111.37	22.61
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	22.30	9.42
		For Plug Tapped For Center Screw, Add	*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	22.91	9.42
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	25.10	10.25
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	28.68	11.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	34.08	13.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	40.57	15.07
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	43.80	15.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	47.40	16.96
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	65.80	18.84
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	21.83	9.42
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	22.50	9.42
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	26.41	10.25
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	28.87	11.30
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	33.52	13.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	39.68	15.07
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	46.92	16.96
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	57.95	18.84
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	354.05	14.13

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.

22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*

22 07 19 00-0003 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0002)*

22 07 19 00-0004	SF	0.006" Aluminum Insulation Jacket With Bands	10.04	4.02
22 07 19 00-0005	SF	0.010" Aluminum Insulation Jacket With Bands	10.41	4.02
22 07 19 00-0006	SF	0.016" Aluminum Insulation Jacket With Bands	10.75	4.02
22 07 19 00-0007	SF	0.024" Aluminum Insulation Jacket With Bands	11.36	4.02
22 07 19 00-0008	SF	0.020" Aluminum Insulation Jacket With Bands	11.07	4.02

22 07 19 00-0009 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0010	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	5.37	1.14
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0011	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	5.71	1.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0012	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	6.06	1.19
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0013	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	6.42	1.22
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0014	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	6.72	1.24
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0015	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	7.04	1.26
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0016	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	7.38	1.28
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0017	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	7.73	1.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0018	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	8.10	1.35
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0019	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	8.43	1.37
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0020	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	8.83	1.40
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0021	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	9.19	1.43
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0022	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	9.55	1.46
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0023	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	9.89	1.49
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0024	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.28	1.52
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0025	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.67	1.56
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0026	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.09	1.60
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0027	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.45	1.63
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0028	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.87	1.67
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0029	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.29	1.72
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0030	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.66	1.75
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0031	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.14	1.80
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0032	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.59	1.87
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0033	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.94	1.89
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0034	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.29	1.92
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0035	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.92	1.96
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0036	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.34	2.01
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0037	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.71	2.04
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0038	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.33	2.08
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0039	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.94	2.11
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0040	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.63	2.16
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0041	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.30	2.20
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0042	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.92	2.24
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0043	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.56	2.28
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0044	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.29	2.34
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0045	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.98	2.40
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0046	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.63	2.44
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0047	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.41	2.51
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0048	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.98	2.54
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0049	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.06	2.56
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0050	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.23	2.62
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0051	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.31	2.64
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0052	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.49	2.70
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0053	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.27	2.73
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0054	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.78	2.79
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0055	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.89	2.82
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0056	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.11	2.88
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0057	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.19	2.93
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0058	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.45	2.99
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0059	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.54	3.03
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.59*	

22 07 19 00-0060 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0061	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	6.05	1.25
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0062	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	6.46	1.28
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0063	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	6.88	1.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0064	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	7.31	1.35
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0065	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	7.70	1.37
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0066	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	8.09	1.39
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0067	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	8.50	1.42
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0068	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	8.92	1.45
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0069	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	9.38	1.48
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0070	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	9.77	1.50
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0071	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	10.25	1.54
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0072	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	10.69	1.57
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0073	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.14	1.61
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0074	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.55	1.63
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0075	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.02	1.67
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0076	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.48	1.71
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0077	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.00	1.76
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0078	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.44	1.79
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0079	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.93	1.84
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0080	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.44	1.90
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0081	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.90	1.94
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0082	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.46	1.99
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0083	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.99	2.05
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0084	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.42	2.08
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0085	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.85	2.11
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0086	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.61	2.16
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0087	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.12	2.21
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0088	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.56	2.24
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0089	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.33	2.28
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0090	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.08	2.32
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0091	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.92	2.39
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0092	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.72	2.43
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0093	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.51	2.47
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0094	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.29	2.51
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0095	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.18	2.58
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0096	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.01	2.63
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0097	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.82	2.68
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0098	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.74	2.76
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0099	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.46	2.79
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0100	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.81	2.82
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0101	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.26	2.87
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0102	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.62	2.91
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0103	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	33.08	2.97
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0104	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.04	3.01
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0105	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.93	3.07
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.59*	
22 07 19 00-0106	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.32	3.11
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0107	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	38.81	3.18
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0108	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	40.16	3.21
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0109	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	41.72	3.29
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0110	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	43.08	3.33
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.74*	

22 07 19 00-0111 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0112	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	6.70	1.37
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0113	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	7.19	1.41
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0114	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	7.68	1.44
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0115	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	8.18	1.47
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0116	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	8.62	1.49
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0117	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	9.08	1.52
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0118	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	9.57	1.55
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0119	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	10.06	1.58
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0120	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	10.59	1.61
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0121	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	11.07	1.64
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0122	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	11.62	1.67
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0123	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	12.13	1.71
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0124	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	12.65	1.75
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0125	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.15	1.78
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0126	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.68	1.82
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0127	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.22	1.88
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0128	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.81	1.92
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0129	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.33	1.96
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0130	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.89	2.01
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0131	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.48	2.07
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0132	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.01	2.11
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0133	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.66	2.17
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0134	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.28	2.23
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0135	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.77	2.26
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0136	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.27	2.30
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0137	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.17	2.35
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0138	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.75	2.42
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0139	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.28	2.45
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0140	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.16	2.50
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0141	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.04	2.53
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0142	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.04	2.60
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0143	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.97	2.64
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0144	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.89	2.69
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0145	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.81	2.74
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0146	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.83	2.81
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0147	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.82	2.87
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0148	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.76	2.93
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0149	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.84	3.02
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0150	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.69	3.05
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0151	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	33.30	3.08
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0152	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.00	3.14
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0153	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.62	3.17
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0154	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	38.35	3.24
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0155	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.47	3.27
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.66*	
22 07 19 00-0156	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.70	3.35
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0157	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	43.35	3.38
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0158	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.09	3.47
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0159	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.71	3.51
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0160	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	48.53	3.59
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0161	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	50.14	3.63
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0162		32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*		
22 07 19 00-0163	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	7.71	1.52
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0164	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	8.34	1.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0165	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	8.97	1.59
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0166	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	9.60	1.63
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0167	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	10.20	1.65
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0168	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	10.78	1.68
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0169	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	11.39	1.71
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0170	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	12.02	1.75
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0171	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	12.73	1.78
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0172	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	13.32	1.81
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0173	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	14.03	1.86
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0174	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	14.68	1.90
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0175	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.34	1.95
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0176	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.97	1.98
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0177	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.63	2.03
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0178	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.33	2.08
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0179	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.08	2.13
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0180	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.73	2.17
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0181	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.45	2.22
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0182	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.18	2.28
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0183	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.86	2.33
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0184	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.67	2.41
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0185	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.44	2.48
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0186	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.08	2.51
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0187	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.71	2.55
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0188	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.86	2.61
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0189	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.60	2.67
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0190	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.26	2.71
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0191	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.41	2.76
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0192	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.55	2.80
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0193	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.82	2.87
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0194	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.05	2.93
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0195	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	32.23	2.99
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0196	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	33.42	3.04
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0197	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.73	3.12
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0198	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.99	3.18
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0199	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.22	3.24
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0200	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	38.57	3.34
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0201	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	39.68	3.37
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0202	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	41.82	3.40
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0203	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.03	3.48
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0204	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.19	3.52
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.80*	
22 07 19 00-0205	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	48.42	3.59
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0206	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.91	3.63
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0207	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.84	3.71
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.95*	
22 07 19 00-0208	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.00	3.75
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0209	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.29	3.84
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0210	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	59.40	3.88
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0211	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	61.77	3.98
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.15*	
22 07 19 00-0212	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	63.90	4.03
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	

22 07 19 00-0213 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0214	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	9.03	1.74
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0215	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	9.81	1.78
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0216	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	10.59	1.83
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0217	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	11.38	1.88
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0218	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	12.09	1.91
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0219	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	12.83	1.93
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0220	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	13.58	1.97
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0221	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	14.35	2.01
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0222	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	15.22	2.06
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0223	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	15.96	2.09
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0224	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	16.83	2.13
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0225	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	17.64	2.18
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0226	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	18.45	2.23
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0227	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.20	2.27
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0228	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.04	2.32
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0229	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.88	2.39
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0230	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.81	2.45
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0231	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.60	2.50
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0232	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.47	2.56
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0233	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.37	2.63
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0234	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.19	2.69
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0235	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.19	2.76
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0236	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.13	2.84
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0237	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.91	2.88
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0238	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.69	2.94
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0239	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	30.11	3.01
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0240	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.00	3.08
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0241	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.82	3.12
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0242	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.24	3.18
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0243	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.66	3.23
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0244	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.22	3.31
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0245	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.75	3.37
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0246	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.20	3.43
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0247	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	40.66	3.50
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0248	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.27	3.59
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0249	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	43.84	3.66
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0250	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.34	3.73
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0251	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	47.00	3.84
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0252	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.37	3.88
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0253	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.05	3.92
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0254	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.80	4.01
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.94*	
22 07 19 00-0255	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	56.48	4.05
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.01*	
22 07 19 00-0256	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	59.26	4.13
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.07*	
22 07 19 00-0257	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	61.12	4.18
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.11*	
22 07 19 00-0258	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	64.75	4.27
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.19*	
22 07 19 00-0259	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	67.46	4.32
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.25*	
22 07 19 00-0260	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	70.28	4.41
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0261	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	72.93	4.46
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0262	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	75.87	4.58
		For Stucco Embossed, Add	*0.58*	
		For Corrugated, Add	*1.44*	
22 07 19 00-0263	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	78.52	4.63
		For Stucco Embossed, Add	*0.60*	
		For Corrugated, Add	*1.50*	

22 07 19 00-0264 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0002)*

22 07 19 00-0265	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.24	1.79
22 07 19 00-0266	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.50	1.87
22 07 19 00-0267	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.91	1.94
22 07 19 00-0268	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.03	1.96
22 07 19 00-0269	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.15	2.00
22 07 19 00-0270	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.34	2.04
22 07 19 00-0271	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.83	2.09
22 07 19 00-0272	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.04	2.15
22 07 19 00-0273	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.20	2.18
22 07 19 00-0274	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.85	2.22
22 07 19 00-0275	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.01	2.28
22 07 19 00-0276	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.79	2.32
22 07 19 00-0277	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.96	2.36
22 07 19 00-0278	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.14	2.42
22 07 19 00-0279	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.06	2.47
22 07 19 00-0280	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.97	2.51
22 07 19 00-0281	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.14	2.59
22 07 19 00-0282	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.35	2.64
22 07 19 00-0283	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.60	2.73
22 07 19 00-0284	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.84	2.79
22 07 19 00-0285	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.29	2.88
22 07 19 00-0286	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.19	2.96
22 07 19 00-0287	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.33	2.99
22 07 19 00-0288	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	75.88	3.03
22 07 19 00-0289	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	59.81	3.06
22 07 19 00-0290	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	100.43	3.14
22 07 19 00-0291	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	100.75	3.22
22 07 19 00-0292	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	77.69	3.26
22 07 19 00-0293	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	77.86	3.30
22 07 19 00-0294	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	79.42	3.35
22 07 19 00-0295	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	79.61	3.39
22 07 19 00-0296	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	89.01	3.49

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0297	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	89.21	3.54
22 07 19 00-0298	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	148.17	3.64
22 07 19 00-0299	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	148.38	3.69
22 07 19 00-0300	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	194.40	3.80
22 07 19 00-0301	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	203.02	3.92
22 07 19 00-0302	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	220.28	3.99
22 07 19 00-0303	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.51	2.00
22 07 19 00-0304	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	20.70	2.04
22 07 19 00-0305	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.54	2.09
22 07 19 00-0306	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.75	2.15
22 07 19 00-0307	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	24.90	2.18
22 07 19 00-0308	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.05	2.22
22 07 19 00-0309	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.56	2.28
22 07 19 00-0310	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.05	2.32
22 07 19 00-0311	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.22	2.36
22 07 19 00-0312	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.40	2.42
22 07 19 00-0313	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	31.86	2.47
22 07 19 00-0314	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.06	2.51
22 07 19 00-0315	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.44	2.59
22 07 19 00-0316	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.00	2.73
22 07 19 00-0317	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.42	2.88
22 07 19 00-0318	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.69	2.96
22 07 19 00-0319	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.27	3.03
22 07 19 00-0320	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.42	3.06
22 07 19 00-0321	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.57	3.14
22 07 19 00-0322	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.89	3.22
22 07 19 00-0323	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	68.60	3.26
22 07 19 00-0324	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	68.77	3.30
22 07 19 00-0325	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	65.34	3.35
22 07 19 00-0326	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	65.53	3.39
22 07 19 00-0327	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.36	3.49
22 07 19 00-0328	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.56	3.54
22 07 19 00-0329	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	88.02	3.69
22 07 19 00-0330	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	105.11	3.80
22 07 19 00-0331	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	154.18	3.92
22 07 19 00-0332	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	166.07	3.99
22 07 19 00-0333	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	162.80	4.05
22 07 19 00-0334	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	183.68	4.12
22 07 19 00-0335	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	221.00	4.19
22 07 19 00-0336	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	214.56	4.26
22 07 19 00-0337	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	230.57	4.33
22 07 19 00-0338	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	97.51	2.85
22 07 19 00-0339	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	97.77	2.93
22 07 19 00-0340	EA	3" ID, Aluminum Tee Insulation Jacketing	109.21	2.99
22 07 19 00-0341	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	109.50	3.06
22 07 19 00-0342	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	114.48	3.14
22 07 19 00-0343	EA	4" ID, Aluminum Tee Insulation Jacketing	115.90	3.22
22 07 19 00-0344	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	122.18	3.30
22 07 19 00-0345	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	121.65	3.39
22 07 19 00-0346	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	122.02	3.49
22 07 19 00-0347	EA	5" ID, Aluminum Tee Insulation Jacketing	126.46	3.59
22 07 19 00-0348	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	126.88	3.69
22 07 19 00-0349	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	132.29	3.80
22 07 19 00-0350	EA	6" ID, Aluminum Tee Insulation Jacketing	132.77	3.92
22 07 19 00-0351	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	145.34	4.19
22 07 19 00-0352	EA	7" ID, Aluminum Tee Insulation Jacketing	145.91	4.33
22 07 19 00-0353	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	160.94	4.48
22 07 19 00-0354	EA	8" ID, Aluminum Tee Insulation Jacketing	161.60	4.65
22 07 19 00-0355	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	166.09	4.83
22 07 19 00-0356	EA	9" ID, Aluminum Tee Insulation Jacketing	166.86	5.03
22 07 19 00-0357	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	129.43	5.13
22 07 19 00-0358	EA	10" ID, Aluminum Tee Insulation Jacketing	129.86	5.23
22 07 19 00-0359	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	137.40	5.34
22 07 19 00-0360	EA	11" ID, Aluminum Tee Insulation Jacketing	137.87	5.46
22 07 19 00-0361	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	144.67	5.59
22 07 19 00-0362	EA	12" ID, Aluminum Tee Insulation Jacketing	145.18	5.71
22 07 19 00-0363	EA	13" ID, Aluminum Tee Insulation Jacketing	151.80	5.84
22 07 19 00-0364	EA	14" ID, Aluminum Tee Insulation Jacketing	158.66	5.98
22 07 19 00-0365	EA	15" ID, Aluminum Tee Insulation Jacketing	170.23	6.13
22 07 19 00-0366	EA	16" ID, Aluminum Tee Insulation Jacketing	174.51	6.28
22 07 19 00-0367	EA	17" ID, Aluminum Tee Insulation Jacketing	197.51	6.44
22 07 19 00-0368	EA	18" ID, Aluminum Tee Insulation Jacketing	204.88	6.61
22 07 19 00-0369	EA	19" ID, Aluminum Tee Insulation Jacketing	224.48	6.79
22 07 19 00-0370	EA	20" ID, Aluminum Tee Insulation Jacketing	229.55	6.97
22 07 19 00-0371	EA	22" ID, Aluminum Tee Insulation Jacketing	285.20	7.18
22 07 19 00-0372	EA	23" ID, Aluminum Tee Insulation Jacketing	293.18	7.39
22 07 19 00-0373	EA	24" ID, Aluminum Tee Insulation Jacketing	302.89	8.10
22 07 19 00-0374		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*		
22 07 19 00-0375		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0374)*		
22 07 19 00-0376	SF	0.010" Stainless Steel Insulation Jacket With Bands	13.31	4.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0377	SF	0.016" Stainless Steel Insulation Jacket With Bands	16.67	5.65
22 07 19 00-0378		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)*		
22 07 19 00-0379	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	8.37	1.01
22 07 19 00-0380	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	8.84	1.03
22 07 19 00-0381	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	9.31	1.05
22 07 19 00-0382	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	9.79	1.07
22 07 19 00-0383	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	10.28	1.09
22 07 19 00-0384	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	10.75	1.12
22 07 19 00-0385	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	11.25	1.14
22 07 19 00-0386	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	11.73	1.17
22 07 19 00-0387	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	12.22	1.19
22 07 19 00-0388	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.26	1.25
22 07 19 00-0389	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.29	1.32
22 07 19 00-0390	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.36	1.40
22 07 19 00-0391	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.28	1.44
22 07 19 00-0392	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.23	1.48
22 07 19 00-0393	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	18.22	1.53
22 07 19 00-0394	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.10	1.56
22 07 19 00-0395	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.99	1.59
22 07 19 00-0396	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.89	1.62
22 07 19 00-0397	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.79	1.65
22 07 19 00-0398	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	22.69	1.68
22 07 19 00-0399	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.62	1.72
22 07 19 00-0400	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.52	1.75
22 07 19 00-0401	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.37	1.83
22 07 19 00-0402	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.21	1.91
22 07 19 00-0403	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.86	1.94
22 07 19 00-0404		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)*		
22 07 19 00-0405	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	11.65	1.34
22 07 19 00-0406	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	12.32	1.37
22 07 19 00-0407	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	13.00	1.40
22 07 19 00-0408	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	13.70	1.42
22 07 19 00-0409	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	14.37	1.45
22 07 19 00-0410	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	15.06	1.49
22 07 19 00-0411	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	15.75	1.52
22 07 19 00-0412	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	16.46	1.55
22 07 19 00-0413	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	17.16	1.59
22 07 19 00-0414	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.61	1.67
22 07 19 00-0415	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.08	1.75
22 07 19 00-0416	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.58	1.86
22 07 19 00-0417	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.91	1.91
22 07 19 00-0418	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.28	1.97
22 07 19 00-0419	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	25.67	2.04
22 07 19 00-0420	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.95	2.08
22 07 19 00-0421	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.22	2.11
22 07 19 00-0422	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	29.52	2.15
22 07 19 00-0423	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.80	2.20
22 07 19 00-0424	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	32.10	2.24
22 07 19 00-0425	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.42	2.28
22 07 19 00-0426	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	34.73	2.33
22 07 19 00-0427	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.36	2.44
22 07 19 00-0428	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	39.98	2.53
22 07 19 00-0429	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	42.37	2.57
22 07 19 00-0430		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0374)*		
22 07 19 00-0431	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.20	2.00
22 07 19 00-0432	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.39	2.04
22 07 19 00-0433	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.47	2.09
22 07 19 00-0434	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.68	2.15
22 07 19 00-0435	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	29.86	2.18
22 07 19 00-0436	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	31.21	2.22
22 07 19 00-0437	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.66	2.28
22 07 19 00-0438	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.92	2.32
22 07 19 00-0439	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	42.09	2.36
22 07 19 00-0440	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.21	2.47
22 07 19 00-0441	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	60.09	2.59
22 07 19 00-0442	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	65.51	2.73
22 07 19 00-0443	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	86.69	2.88
22 07 19 00-0444	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	86.96	2.96
22 07 19 00-0445	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	99.84	3.03
22 07 19 00-0446	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	100.30	3.14
22 07 19 00-0447	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	103.28	3.14
22 07 19 00-0448	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	150.87	3.22
22 07 19 00-0449	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	148.64	3.26
22 07 19 00-0450	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	148.81	3.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0451	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	175.62	3.35
22 07 19 00-0452	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	168.45	3.39
22 07 19 00-0453	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	189.97	3.54
22 07 19 00-0454	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	258.36	3.69
22 07 19 00-0455	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	260.46	3.80
22 07 19 00-0456	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.00	2.00
22 07 19 00-0457	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.19	2.04
22 07 19 00-0458	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.61	2.09
22 07 19 00-0459	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.82	2.15
22 07 19 00-0460	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	26.20	2.18
22 07 19 00-0461	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	26.35	2.22
22 07 19 00-0462	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.57	2.28
22 07 19 00-0463	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.81	2.32
22 07 19 00-0464	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.98	2.36
22 07 19 00-0465	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.16	2.42
22 07 19 00-0466	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.89	2.47
22 07 19 00-0467	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.40	2.59
22 07 19 00-0468	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.93	2.73
22 07 19 00-0469	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.56	2.88
22 07 19 00-0470	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	76.13	2.96
22 07 19 00-0471	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	77.74	3.03
22 07 19 00-0472	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	77.89	3.06
22 07 19 00-0473	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.36	3.14
22 07 19 00-0474	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.68	3.22
22 07 19 00-0475	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	103.22	3.26
22 07 19 00-0476	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	103.39	3.30
22 07 19 00-0477	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	121.76	3.35
22 07 19 00-0478	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	121.95	3.39
22 07 19 00-0479	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	131.84	3.54
22 07 19 00-0480	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	153.25	3.69
22 07 19 00-0481		**Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0001)*		
22 07 19 00-0482		**20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0481)*		
22 07 19 00-0483	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	4.98	0.93
22 07 19 00-0484	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	5.55	0.97
22 07 19 00-0485	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	6.02	1.01
22 07 19 00-0486	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	6.61	1.05
22 07 19 00-0487	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	7.11	1.09
22 07 19 00-0488	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	7.68	1.14
22 07 19 00-0489	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.26	1.19
22 07 19 00-0490	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.82	1.25
22 07 19 00-0491	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.45	1.32
22 07 19 00-0492	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.12	1.40
22 07 19 00-0493	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.64	1.44
22 07 19 00-0494	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.13	1.48
22 07 19 00-0495	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.77	1.53
22 07 19 00-0496	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.19	1.56
22 07 19 00-0497	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.68	1.59
22 07 19 00-0498	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.17	1.62
22 07 19 00-0499	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.67	1.65
22 07 19 00-0500	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.12	1.68
22 07 19 00-0501	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.63	1.72
22 07 19 00-0502	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.14	1.75
22 07 19 00-0503	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.66	1.79
22 07 19 00-0504	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.13	1.83
22 07 19 00-0505	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.71	1.88
22 07 19 00-0506	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.15	1.91
22 07 19 00-0507	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.52	1.91
22 07 19 00-0508	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.01	1.94
22 07 19 00-0509	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.86	1.96
22 07 19 00-0510	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.67	2.00
22 07 19 00-0511	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.54	2.03
22 07 19 00-0512	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.41	2.06
22 07 19 00-0513	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	22.23	2.09
22 07 19 00-0514	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.11	2.13
22 07 19 00-0515	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.94	2.16
22 07 19 00-0516	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.84	2.20
22 07 19 00-0517	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.67	2.24
22 07 19 00-0518	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.57	2.28
22 07 19 00-0519	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.49	2.32
22 07 19 00-0520	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.35	2.36
22 07 19 00-0521	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.26	2.42
22 07 19 00-0522	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.14	2.47
22 07 19 00-0523	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.08	2.51
22 07 19 00-0524	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.01	2.56
22 07 19 00-0525		**30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** *(22 07 19 00-0481)*		
22 07 19 00-0526	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	6.34	0.97
22 07 19 00-0527	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	7.02	1.01
22 07 19 00-0528	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	7.77	1.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0529	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.43	1.09
22 07 19 00-0530	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.15	1.14
22 07 19 00-0531	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.89	1.19
22 07 19 00-0532	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.67	1.25
22 07 19 00-0533	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.46	1.32
22 07 19 00-0534	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.28	1.40
22 07 19 00-0535	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.96	1.44
22 07 19 00-0536	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.66	1.48
22 07 19 00-0537	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.46	1.53
22 07 19 00-0538	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.09	1.56
22 07 19 00-0539	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.74	1.59
22 07 19 00-0540	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.39	1.62
22 07 19 00-0541	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.04	1.65
22 07 19 00-0542	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	1.68
22 07 19 00-0543	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.37	1.72
22 07 19 00-0544	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.03	1.75
22 07 19 00-0545	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.72	1.79
22 07 19 00-0546	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.40	1.83
22 07 19 00-0547	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.14	1.88
22 07 19 00-0548	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.79	1.91
22 07 19 00-0549	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.31	1.91
22 07 19 00-0550	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.96	1.94
22 07 19 00-0551	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.13	1.96
22 07 19 00-0552	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.31	2.00
22 07 19 00-0553	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.49	2.03
22 07 19 00-0554	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.74	2.06
22 07 19 00-0555	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.92	2.09
22 07 19 00-0556	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.12	2.13
22 07 19 00-0557	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.32	2.16
22 07 19 00-0558	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.53	2.20
22 07 19 00-0559	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.74	2.24
22 07 19 00-0560	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.95	2.28
22 07 19 00-0561	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.24	2.32
22 07 19 00-0562	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.46	2.36
22 07 19 00-0563	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.70	2.42
22 07 19 00-0564	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.94	2.47
22 07 19 00-0565	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.19	2.51
22 07 19 00-0566	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.45	2.56

22 07 19 00-0567 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0481)*

22 07 19 00-0568	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.34	1.87
22 07 19 00-0569	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.31	1.94
22 07 19 00-0570	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.85	1.96
22 07 19 00-0571	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.40	2.00
22 07 19 00-0572	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.96	2.04
22 07 19 00-0573	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.43	2.09
22 07 19 00-0574	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.40	2.16
22 07 19 00-0575	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.32	2.22
22 07 19 00-0576	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.25	2.28
22 07 19 00-0577	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.37	2.40
22 07 19 00-0578	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.49	2.51
22 07 19 00-0579	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.64	2.64
22 07 19 00-0580	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	36.30	2.79
22 07 19 00-0581	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.00	2.88
22 07 19 00-0582	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	44.97	2.96
22 07 19 00-0583	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.88	3.03
22 07 19 00-0584	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.30	3.14
22 07 19 00-0585	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	72.81	3.26
22 07 19 00-0586	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	80.29	3.39
22 07 19 00-0587	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	90.61	3.54
22 07 19 00-0588	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	111.31	3.69
22 07 19 00-0589	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	125.57	3.80
22 07 19 00-0590	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	134.27	3.92
22 07 19 00-0591	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	145.36	3.99
22 07 19 00-0592	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	159.81	4.05
22 07 19 00-0593	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	201.70	4.12
22 07 19 00-0594	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	268.22	4.19
22 07 19 00-0595	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	340.21	4.26
22 07 19 00-0596	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	10.34	1.87
22 07 19 00-0597	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.31	1.94
22 07 19 00-0598	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.85	1.96
22 07 19 00-0599	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.40	2.00
22 07 19 00-0600	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.96	2.04
22 07 19 00-0601	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.43	2.09
22 07 19 00-0602	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.40	2.16
22 07 19 00-0603	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.32	2.22
22 07 19 00-0604	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.25	2.28
22 07 19 00-0605	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.37	2.40
22 07 19 00-0606	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.49	2.51
22 07 19 00-0607	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.64	2.64
22 07 19 00-0608	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	36.30	2.79
22 07 19 00-0609	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.00	2.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0610	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	44.97	2.96
22 07 19 00-0611	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.88	3.03
22 07 19 00-0612	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.30	3.14
22 07 19 00-0613	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	72.81	3.26
22 07 19 00-0614	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	80.24	3.39
22 07 19 00-0615	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	87.66	3.54
22 07 19 00-0616	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	96.82	3.69
22 07 19 00-0617	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	108.97	3.80
22 07 19 00-0618	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	116.30	3.92
22 07 19 00-0619	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	130.82	3.99
22 07 19 00-0620	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	145.58	4.05
22 07 19 00-0621	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	174.56	4.12
22 07 19 00-0622	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	232.39	4.19
22 07 19 00-0623	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	261.27	4.26
22 07 19 00-0624	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	15.95	2.62
22 07 19 00-0625	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.90	2.67
22 07 19 00-0626	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.79	2.76
22 07 19 00-0627	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.80	2.85
22 07 19 00-0628	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.94	2.96
22 07 19 00-0629	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.05	3.06
22 07 19 00-0630	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	22.84	3.18
22 07 19 00-0631	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.71	3.30
22 07 19 00-0632	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.36	3.45
22 07 19 00-0633	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.27	3.59
22 07 19 00-0634	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.33	3.75
22 07 19 00-0635	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	42.97	3.99
22 07 19 00-0636	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	52.27	4.19
22 07 19 00-0637	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.97	4.26
22 07 19 00-0638	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	88.66	4.40
22 07 19 00-0639	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	96.49	4.65
22 07 19 00-0640	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	114.07	4.83
22 07 19 00-0641	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	131.81	5.03
22 07 19 00-0642	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	133.97	5.23
22 07 19 00-0643	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	146.95	5.34
22 07 19 00-0644	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	159.96	5.46
22 07 19 00-0645	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	173.09	5.59
22 07 19 00-0646	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	186.09	5.71
22 07 19 00-0647	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	199.21	5.84
22 07 19 00-0648	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	212.21	5.98
22 07 19 00-0649	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	231.76	6.13
22 07 19 00-0650	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	251.24	6.28
22 07 19 00-0651	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	274.91	6.44
22 07 19 00-0652	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	30.10	1.79
22 07 19 00-0653	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	30.10	1.79
22 07 19 00-0654	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.48	1.87
22 07 19 00-0655	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.48	1.87
22 07 19 00-0656	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	53.52	1.94
22 07 19 00-0657	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	58.88	2.01
22 07 19 00-0658	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	65.34	2.09
22 07 19 00-0659	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	74.66	2.18
22 07 19 00-0660	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	82.59	2.28
22 07 19 00-0661	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	101.37	2.51
22 07 19 00-0662	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	146.06	2.79
22 07 19 00-0663	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	159.48	3.14
22 07 19 00-0664	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	201.36	3.35
22 07 19 00-0665	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	285.11	3.69
22 07 19 00-0666	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	286.26	3.86
22 07 19 00-0667	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	384.24	3.99
22 07 19 00-0668	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	522.99	4.12
22 07 19 00-0669	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	27.57	1.79
22 07 19 00-0670	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	27.57	1.79
22 07 19 00-0671	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.42	1.87
22 07 19 00-0672	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.42	1.87
22 07 19 00-0673	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	48.52	1.94
22 07 19 00-0674	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	53.30	2.01
22 07 19 00-0675	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.22	2.09
22 07 19 00-0676	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	62.39	2.18
22 07 19 00-0677	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	74.47	2.28
22 07 19 00-0678	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	91.31	2.51
22 07 19 00-0679	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	131.26	2.79
22 07 19 00-0680	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	143.25	3.14
22 07 19 00-0681	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	180.70	3.35
22 07 19 00-0682	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	255.54	3.69
22 07 19 00-0683	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	328.63	3.86
22 07 19 00-0684	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	395.36	3.99
22 07 19 00-0685	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	464.29	4.12
22 07 19 00-0686	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	40.68	2.70
22 07 19 00-0687	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	40.68	2.70
22 07 19 00-0688	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.89	2.79
22 07 19 00-0689	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.89	2.79
22 07 19 00-0690	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	71.04	2.88
22 07 19 00-0691	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	78.15	2.99
22 07 19 00-0692	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.60	3.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0693	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	91.52	3.26
22 07 19 00-0694	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	109.56	3.45
22 07 19 00-0695	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	120.54	3.75
22 07 19 00-0696	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	172.89	4.19
22 07 19 00-0697	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	187.86	4.65
22 07 19 00-0698	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	264.50	5.03
22 07 19 00-0699	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	373.17	5.46
22 07 19 00-0700	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	447.73	5.84
22 07 19 00-0701	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	532.97	5.98
22 07 19 00-0702	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	585.30	6.13

22 07 19 00-0703 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0704 Covering 4x6 Sheet *(22 07 19 00-0703)*

22 07 19 00-0705	SF	1" Thick Foam Rubber Sheet Insulation	16.97	4.45

22 07 19 00-0706 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0707 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0708	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	5.45	1.39
		For Single Layer Of Felt Finish, Add	*0.18*	
		For Work In Restricted Working Space, Add	*1.12*	
22 07 19 00-0709	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	5.63	1.39
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.12*	
22 07 19 00-0710	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	6.00	1.45
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*1.19*	
22 07 19 00-0711	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	6.28	1.51
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-0712	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	6.48	1.51
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-0713	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	6.88	1.57
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*1.30*	
22 07 19 00-0714	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	7.33	1.63
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*1.32*	
22 07 19 00-0715	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	7.82	1.69
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-0716	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	9.11	1.82
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-0717	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.82	2.13
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*1.73*	

22 07 19 00-0718 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0719	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	7.19	1.89
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0720	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	7.49	1.89
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-0721	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	7.60	1.89
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*1.57*	
22 07 19 00-0722	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	8.00	1.95
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-0723	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	8.27	1.95
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0724	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	8.68	2.01
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-0725	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	9.24	2.13
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0726	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	9.83	2.20
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0727	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	11.41	2.32
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*1.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0728	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.36	2.70
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0729	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	17.08	3.02
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0730	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	20.03	3.58
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0731	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	22.93	4.08
		For Single Layer Of Felt Finish, Add	*1.23*	
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-0732	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	25.18	4.45
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*3.48*	

22 07 19 00-0733 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0734	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	9.50	1.94
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0735	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	9.69	1.94
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0736	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	10.23	2.05
		For Single Layer Of Felt Finish, Add	*0.48*	
		For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-0737	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	10.67	2.10
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*1.74*	
22 07 19 00-0738	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	11.05	2.13
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0739	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	11.84	2.25
		For Single Layer Of Felt Finish, Add	*0.59*	
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0740	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	12.50	2.28
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0741	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	12.90	2.36
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0742	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	14.36	2.56
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0743	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.58	2.99
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0744	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.14	3.15
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0745	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.58	3.77
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0746	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.45	4.39
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0747	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.87	4.81
		For Single Layer Of Felt Finish, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.00*	

22 07 19 00-0748 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0749	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	12.37	2.13
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0750	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	12.59	2.13
		For Single Layer Of Felt Finish, Add	*0.70*	
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0751	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	13.14	2.20
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0752	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	13.61	2.20
		For Single Layer Of Felt Finish, Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-0753	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	14.12	2.26
		For Single Layer Of Felt Finish, Add	*0.84*	
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0754	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	14.65	2.32
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0755	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	15.50	2.39
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*1.97*	
22 07 19 00-0756	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	16.42	2.51
		For Single Layer Of Felt Finish, Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0757	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	18.20	2.64
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0758	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.41	3.10
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0759	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.91	3.27
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0760	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	29.82	3.91
		For Single Layer Of Felt Finish, Add	*1.99*	
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0761	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	33.83	4.69
		For Single Layer Of Felt Finish, Add	*2.18*	
		For Work In Restricted Working Space, Add	*3.91*	
22 07 19 00-0762	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	41.69	5.12
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*5.45*	
22 07 19 00-0763	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	44.95	5.99
		For Single Layer Of Felt Finish, Add	*2.81*	
		For Work In Restricted Working Space, Add	*5.45*	
22 07 19 00-0764	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	50.89	6.30
		For Single Layer Of Felt Finish, Add	*3.34*	
		For Work In Restricted Working Space, Add	*5.72*	
22 07 19 00-0765	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	57.50	7.20
		For Single Layer Of Felt Finish, Add	*3.75*	
		For Work In Restricted Working Space, Add	*6.54*	
22 07 19 00-0766	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	65.93	8.69
		For Single Layer Of Felt Finish, Add	*4.16*	
		For Work In Restricted Working Space, Add	*7.91*	

22 07 19 00-0767 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0768	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	15.81	2.51
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0769	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.12	2.51
		For Single Layer Of Felt Finish, Add	*0.98*	
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0770	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.91	2.51
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0771	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.51	2.58
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0772	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.15	2.58
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0773	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.91	2.70
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*2.20*	
22 07 19 00-0774	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.11	2.76
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0775	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	21.18	2.88
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0776	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.80	3.02
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0777	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	27.37	3.20
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0778	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.43	3.83
		For Single Layer Of Felt Finish, Add	*2.94*	
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0779	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	46.29	4.39
		For Single Layer Of Felt Finish, Add	*3.59*	
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0780	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	51.43	5.46
		For Single Layer Of Felt Finish, Add	*3.83*	
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0781	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	58.70	6.02
		For Single Layer Of Felt Finish, Add	*4.44*	
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0782	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	67.57	7.65
		For Single Layer Of Felt Finish, Add	*4.90*	
		For Work In Restricted Working Space, Add	*6.28*	
22 07 19 00-0783	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	73.16	8.03
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*6.59*	
22 07 19 00-0784	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	82.86	9.16
		For Single Layer Of Felt Finish, Add	*6.06*	
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0785	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	96.72	11.08
		For Single Layer Of Felt Finish, Add	*6.97*	
		For Work In Restricted Working Space, Add	*9.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 07 19 00-0786 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0787	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	17.41	2.77
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-0788	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	17.75	2.77
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-0789	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	18.57	2.80
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-0790	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	19.24	2.82
		For Single Layer Of Felt Finish, Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-0791	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	19.97	2.85
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*2.33*	
22 07 19 00-0792	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	20.75	2.96
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0793	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	22.09	3.06
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-0794	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	23.25	3.17
		For Single Layer Of Felt Finish, Add	*1.54*	
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0795	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	26.14	3.34
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0796	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	30.06	3.80
		For Single Layer Of Felt Finish, Add	*2.07*	
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0797	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	42.19	4.23
		For Single Layer Of Felt Finish, Add	*3.22*	
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0798	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	50.83	4.88
		For Single Layer Of Felt Finish, Add	*3.94*	
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0799	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	56.49	6.07
		For Single Layer Of Felt Finish, Add	*4.20*	
		For Work In Restricted Working Space, Add	*4.95*	
22 07 19 00-0800	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	64.46	6.63
		For Single Layer Of Felt Finish, Add	*4.88*	
		For Work In Restricted Working Space, Add	*5.40*	
22 07 19 00-0801	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	74.21	8.47
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*6.91*	
22 07 19 00-0802	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	80.34	8.90
		For Single Layer Of Felt Finish, Add	*5.90*	
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0803	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	91.01	10.17
		For Single Layer Of Felt Finish, Add	*6.65*	
		For Work In Restricted Working Space, Add	*8.29*	
22 07 19 00-0804	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	106.23	12.28
		For Single Layer Of Felt Finish, Add	*7.65*	
		For Work In Restricted Working Space, Add	*10.01*	

22 07 19 00-0805 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0806	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.65	3.02
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0807	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.05	3.02
		For Single Layer Of Felt Finish, Add	*1.13*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0808	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.32	3.02
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-0809	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	21.01	3.08
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0810	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	21.82	3.08
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0811	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	22.66	3.20
		For Single Layer Of Felt Finish, Add	*1.46*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0812	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.11	3.32
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0813	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.30	3.46
		For Single Layer Of Felt Finish, Add	*1.67*	
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0814	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.57	3.64
		For Single Layer Of Felt Finish, Add	*1.96*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0815	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.81	4.15
		For Single Layer Of Felt Finish, Add	*2.26*	
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0816	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	46.09	4.59
		For Single Layer Of Felt Finish, Add	*3.52*	
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0817	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	55.55	5.27
		For Single Layer Of Felt Finish, Add	*4.31*	
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0818	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	61.72	6.59
		For Single Layer Of Felt Finish, Add	*4.59*	
		For Work In Restricted Working Space, Add	*5.40*	
22 07 19 00-0819	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	70.46	7.22
		For Single Layer Of Felt Finish, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.90*	
22 07 19 00-0820	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	81.11	9.16
		For Single Layer Of Felt Finish, Add	*5.88*	
		For Work In Restricted Working Space, Add	*7.54*	
22 07 19 00-0821	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	87.78	9.67
		For Single Layer Of Felt Finish, Add	*6.45*	
		For Work In Restricted Working Space, Add	*7.91*	
22 07 19 00-0822	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	99.47	11.05
		For Single Layer Of Felt Finish, Add	*7.28*	
		For Work In Restricted Working Space, Add	*9.05*	
22 07 19 00-0823	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	116.09	13.31
		For Single Layer Of Felt Finish, Add	*8.37*	
		For Work In Restricted Working Space, Add	*10.93*	

22 07 19 00-0824 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0825	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	21.32	3.39
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0826	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	21.75	3.39
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0827	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	22.80	3.39
		For Single Layer Of Felt Finish, Add	*1.41*	
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0828	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	23.68	3.46
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0829	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	24.75	3.58
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*2.92*	
22 07 19 00-0830	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	25.70	3.70
		For Single Layer Of Felt Finish, Add	*1.64*	
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0831	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	27.12	3.70
		For Single Layer Of Felt Finish, Add	*1.78*	
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0832	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	28.61	3.89
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-0833	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	32.12	4.08
		For Single Layer Of Felt Finish, Add	*2.20*	
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0834	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	36.92	4.65
		For Single Layer Of Felt Finish, Add	*2.55*	
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0835	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	51.86	5.03
		For Single Layer Of Felt Finish, Add	*3.96*	
		For Work In Restricted Working Space, Add	*4.24*	
22 07 19 00-0836	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	62.49	5.96
		For Single Layer Of Felt Finish, Add	*4.85*	
		For Work In Restricted Working Space, Add	*4.89*	
22 07 19 00-0837	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	69.45	7.41
		For Single Layer Of Felt Finish, Add	*5.17*	
		For Work In Restricted Working Space, Add	*6.07*	
22 07 19 00-0838	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	79.28	8.10
		For Single Layer Of Felt Finish, Add	*6.00*	
		For Work In Restricted Working Space, Add	*6.64*	
22 07 19 00-0839	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	91.27	10.36
		For Single Layer Of Felt Finish, Add	*6.61*	
		For Work In Restricted Working Space, Add	*8.48*	
22 07 19 00-0840	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	98.73	10.87
		For Single Layer Of Felt Finish, Add	*7.25*	
		For Work In Restricted Working Space, Add	*8.89*	
22 07 19 00-0841	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	110.10	12.44
		For Single Layer Of Felt Finish, Add	*8.00*	
		For Work In Restricted Working Space, Add	*10.18*	
22 07 19 00-0842	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	130.60	15.00
		For Single Layer Of Felt Finish, Add	*9.41*	
		For Work In Restricted Working Space, Add	*12.29*	
22 07 19 00-0843	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	147.74	17.71
		For Single Layer Of Felt Finish, Add	*10.44*	
		For Work In Restricted Working Space, Add	*14.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0844	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	164.31	20.84
		For Single Layer Of Felt Finish, Add	*11.28*	
		For Work In Restricted Working Space, Add	*17.06*	
22 07 19 00-0845	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	182.33	24.62
		For Single Layer Of Felt Finish, Add	*12.07*	
		For Work In Restricted Working Space, Add	*20.21*	
22 07 19 00-0846	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	216.27	31.29
		For Single Layer Of Felt Finish, Add	*13.71*	
		For Work In Restricted Working Space, Add	*25.70*	
22 07 19 00-0847	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	250.21	38.11
		For Single Layer Of Felt Finish, Add	*15.36*	
		For Work In Restricted Working Space, Add	*31.19*	
22 07 19 00-0848	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	266.47	41.88
		For Single Layer Of Felt Finish, Add	*15.95*	
		For Work In Restricted Working Space, Add	*34.37*	
22 07 19 00-0849	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	281.60	45.08
		For Single Layer Of Felt Finish, Add	*16.59*	
		For Work In Restricted Working Space, Add	*37.08*	

22 07 19 00-0850 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0851 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0852	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	12.85	3.07
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0853	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	13.75	3.07
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0854	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	14.80	3.11
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0855	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	15.24	3.15
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0856	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	15.98	3.20
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0857	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	17.41	3.28
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0858	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	19.12	3.42
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0859	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	21.15	3.51
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0860	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	25.31	3.77
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0861	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	33.86	4.26
		For Work In Restricted Working Space, Add	*3.87*	

22 07 19 00-0862 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0863	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	16.26	3.39
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0864	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	16.83	3.39
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0865	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	17.54	3.45
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0866	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.08	3.49
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0867	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.58	3.54
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0868	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.69	3.65
		For Work In Restricted Working Space, Add	*3.21*	
22 07 19 00-0869	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.44	3.78
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0870	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.82	3.90
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0871	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	32.29	4.15
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0872	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	38.59	4.70
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0873	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	43.20	5.24
		For Work In Restricted Working Space, Add	*4.61*	
22 07 19 00-0874	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	53.35	6.04
		For Work In Restricted Working Space, Add	*5.32*	
22 07 19 00-0875	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.28	7.51
		For Work In Restricted Working Space, Add	*6.61*	
22 07 19 00-0876	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	69.75	7.91
		For Work In Restricted Working Space, Add	*7.18*	
22 07 19 00-0877	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	76.40	8.83
		For Work In Restricted Working Space, Add	*8.03*	
22 07 19 00-0878	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	85.23	10.44
		For Work In Restricted Working Space, Add	*9.49*	
22 07 19 00-0879	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	95.53	11.56
		For Work In Restricted Working Space, Add	*10.51*	
22 07 19 00-0880	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	124.31	12.81
		For Work In Restricted Working Space, Add	*11.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0881		**2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0850)*		
22 07 19 00-0882	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	18.85	3.51
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0883	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	19.74	3.51
		For Work In Restricted Working Space, Add	*3.19*	
22 07 19 00-0884	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	20.75	3.55
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0885	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	22.29	3.60
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0886	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	23.83	3.64
		For Work In Restricted Working Space, Add	*3.31*	
22 07 19 00-0887	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	27.56	3.77
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0888	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.06	3.91
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0889	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	31.67	4.04
		For Work In Restricted Working Space, Add	*3.67*	
22 07 19 00-0890	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	36.53	4.26
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0891	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	44.51	4.84
		For Work In Restricted Working Space, Add	*4.40*	
22 07 19 00-0892	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	49.52	5.40
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0893	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	61.33	6.22
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0894	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	75.89	7.74
		For Work In Restricted Working Space, Add	*7.03*	
22 07 19 00-0895	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	80.52	8.44
		For Work In Restricted Working Space, Add	*7.67*	
22 07 19 00-0896	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	92.66	10.79
		For Work In Restricted Working Space, Add	*9.81*	
22 07 19 00-0897	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	102.39	11.33
		For Work In Restricted Working Space, Add	*10.30*	
22 07 19 00-0898	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	111.95	12.96
		For Work In Restricted Working Space, Add	*11.77*	
22 07 19 00-0899	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	142.30	15.65
		For Work In Restricted Working Space, Add	*14.23*	
22 07 19 00-0900		**2-1/2" Thick Foamglas Pipe Insulation** *(22 07 19 00-0850)*		
22 07 19 00-0901	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	24.33	3.80
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0902	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.84	3.80
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0903	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.56	3.86
		For Work In Restricted Working Space, Add	*3.51*	
22 07 19 00-0904	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.16	3.89
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0905	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.77	3.92
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0906	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.36	4.08
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0907	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.89	4.23
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0908	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.66	4.37
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0909	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.36	4.61
		For Work In Restricted Working Space, Add	*4.19*	
22 07 19 00-0910	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.09	5.24
		For Work In Restricted Working Space, Add	*4.76*	
22 07 19 00-0911	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	61.39	5.84
		For Work In Restricted Working Space, Add	*5.32*	
22 07 19 00-0912	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	69.81	6.74
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0913	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	86.98	8.38
		For Work In Restricted Working Space, Add	*7.61*	
22 07 19 00-0914	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	89.38	9.14
		For Work In Restricted Working Space, Add	*8.31*	
22 07 19 00-0915	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	102.51	11.68
		For Work In Restricted Working Space, Add	*10.62*	
22 07 19 00-0916	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	112.87	12.27
		For Work In Restricted Working Space, Add	*11.15*	
22 07 19 00-0917	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	130.03	14.02
		For Work In Restricted Working Space, Add	*12.75*	
22 07 19 00-0918	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	164.84	16.95
		For Work In Restricted Working Space, Add	*15.40*	
22 07 19 00-0919		**3" Thick Foamglas Pipe Insulation** *(22 07 19 00-0850)*		
22 07 19 00-0920	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	31.15	4.05
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0921	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	32.06	4.05
		For Work In Restricted Working Space, Add	*3.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0922	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	33.18	4.11
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0923	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	34.17	4.14
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0924	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	35.20	4.18
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0925	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	38.28	4.34
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0926	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	41.28	4.50
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0927	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	48.36	4.65
		For Work In Restricted Working Space, Add	*4.23*	
22 07 19 00-0928	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	56.48	4.90
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0929	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	61.20	5.58
		For Work In Restricted Working Space, Add	*5.07*	
22 07 19 00-0930	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	69.38	6.22
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0931	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	83.57	7.17
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0932	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	95.18	8.91
		For Work In Restricted Working Space, Add	*8.10*	
22 07 19 00-0933	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	101.30	9.72
		For Work In Restricted Working Space, Add	*8.84*	
22 07 19 00-0934	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	118.29	12.44
		For Work In Restricted Working Space, Add	*11.30*	
22 07 19 00-0935	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	127.46	13.06
		For Work In Restricted Working Space, Add	*11.87*	
22 07 19 00-0936	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	150.60	14.92
		For Work In Restricted Working Space, Add	*13.56*	
22 07 19 00-0937	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	184.79	18.02
		For Work In Restricted Working Space, Add	*16.38*	

22 07 19 00-0938 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0939	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	37.41	4.90
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0940	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.55	4.90
		For Work In Restricted Working Space, Add	*4.46*	
22 07 19 00-0941	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.79	4.93
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0942	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	41.02	4.96
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0943	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	42.37	5.03
		For Work In Restricted Working Space, Add	*4.58*	
22 07 19 00-0944	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	47.71	5.21
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0945	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.06	5.38
		For Work In Restricted Working Space, Add	*4.90*	
22 07 19 00-0946	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.42	5.58
		For Work In Restricted Working Space, Add	*5.07*	
22 07 19 00-0947	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	60.68	5.89
		For Work In Restricted Working Space, Add	*5.36*	
22 07 19 00-0948	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	70.15	6.70
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0949	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	80.29	7.45
		For Work In Restricted Working Space, Add	*6.78*	
22 07 19 00-0950	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	97.06	8.60
		For Work In Restricted Working Space, Add	*7.82*	
22 07 19 00-0951	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	112.93	10.69
		For Work In Restricted Working Space, Add	*9.72*	
22 07 19 00-0952	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	116.11	11.67
		For Work In Restricted Working Space, Add	*10.61*	
22 07 19 00-0953	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	136.13	14.92
		For Work In Restricted Working Space, Add	*13.56*	
22 07 19 00-0954	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	152.04	15.67
		For Work In Restricted Working Space, Add	*14.24*	
22 07 19 00-0955	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	172.82	17.91
		For Work In Restricted Working Space, Add	*16.29*	
22 07 19 00-0956	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	213.44	21.63
		For Work In Restricted Working Space, Add	*19.67*	

22 07 19 00-0957 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0958	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	45.38	6.02
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0959	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	46.85	6.02
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0960	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	48.64	6.13
		For Work In Restricted Working Space, Add	*5.57*	
22 07 19 00-0961	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	50.33	6.21
		For Work In Restricted Working Space, Add	*5.64*	
22 07 19 00-0962	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	52.40	6.40
		For Work In Restricted Working Space, Add	*5.82*	
22 07 19 00-0963	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	57.65	6.59
		For Work In Restricted Working Space, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0964	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	62.59	6.70
		For Work In Restricted Working Space, Add	*6.09*	
22 07 19 00-0965	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	66.00	6.94
		For Work In Restricted Working Space, Add	*6.31*	
22 07 19 00-0966	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	71.61	7.74
		For Work In Restricted Working Space, Add	*7.04*	
22 07 19 00-0967	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	84.99	8.32
		For Work In Restricted Working Space, Add	*7.56*	
22 07 19 00-0968	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	97.20	9.02
		For Work In Restricted Working Space, Add	*8.20*	
22 07 19 00-0969	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	110.03	10.71
		For Work In Restricted Working Space, Add	*9.74*	
22 07 19 00-0970	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	125.92	13.30
		For Work In Restricted Working Space, Add	*12.09*	
22 07 19 00-0971	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	136.67	14.52
		For Work In Restricted Working Space, Add	*13.21*	
22 07 19 00-0972	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	157.79	18.58
		For Work In Restricted Working Space, Add	*16.89*	
22 07 19 00-0973	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	179.58	19.47
		For Work In Restricted Working Space, Add	*17.70*	
22 07 19 00-0974	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	199.77	22.28
		For Work In Restricted Working Space, Add	*20.26*	
22 07 19 00-0975	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	257.86	26.92
		For Work In Restricted Working Space, Add	*24.47*	

22 07 19 00-0976 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0977 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-0978	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	7.25	1.45
22 07 19 00-0979	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	8.29	1.51
22 07 19 00-0980	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	8.77	1.63
22 07 19 00-0981	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	9.30	1.69
22 07 19 00-0982	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	9.67	1.69
22 07 19 00-0983	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	10.33	1.75
22 07 19 00-0984	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.20	1.82
22 07 19 00-0985	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.02	1.95
22 07 19 00-0986	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.11	2.32
22 07 19 00-0987	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.25	2.64
22 07 19 00-0988	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	20.53	3.08
22 07 19 00-0989	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	23.49	3.32
22 07 19 00-0990	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	27.55	4.08

22 07 19 00-0991 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-0992	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	9.05	1.51
22 07 19 00-0993	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	10.53	1.63
22 07 19 00-0994	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	11.18	1.69
22 07 19 00-0995	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	11.87	1.75
22 07 19 00-0996	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	12.49	1.82
22 07 19 00-0997	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.40	1.82
22 07 19 00-0998	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.55	1.95
22 07 19 00-0999	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.75	2.07
22 07 19 00-1000	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.51	2.45
22 07 19 00-1001	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	23.51	3.08
22 07 19 00-1002	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	28.30	3.64
22 07 19 00-1003	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	32.72	4.08
22 07 19 00-1004	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	37.09	4.59

22 07 19 00-1005 1-1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-1006	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	12.30	1.69
22 07 19 00-1007	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	13.08	1.75
22 07 19 00-1008	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	13.95	1.82
22 07 19 00-1009	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	14.67	1.89
22 07 19 00-1010	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	15.79	1.95
22 07 19 00-1011	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.26	2.07
22 07 19 00-1012	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.68	2.13
22 07 19 00-1013	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	21.97	2.64
22 07 19 00-1014	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	28.14	3.32
22 07 19 00-1015	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	34.15	4.08
22 07 19 00-1016	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	39.64	4.59
22 07 19 00-1017	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	44.23	4.89

22 07 19 00-1018 2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-1019	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	16.94	1.75
22 07 19 00-1020	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	18.07	1.82
22 07 19 00-1021	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	19.05	1.95
22 07 19 00-1022	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	19.95	1.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1023	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	20.73	2.07
22 07 19 00-1024	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.46	2.20
22 07 19 00-1025	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.74	2.32
22 07 19 00-1026	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	28.06	2.82
22 07 19 00-1027	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	33.52	3.64
22 07 19 00-1028	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	44.43	4.59
22 07 19 00-1029	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	46.25	5.27
22 07 19 00-1030	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	50.59	5.65

22 07 19 00-1031 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1032 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-1031)*

22 07 19 00-1033	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.32	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1034	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.33	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1035	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.54	1.95
		For Work In Restricted Working Space, Add	*1.17*	
22 07 19 00-1036	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.77	2.01
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-1037	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.05	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1038	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.38	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1039	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.53	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1040	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.97	2.08
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1041	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.75	2.14
		For Work In Restricted Working Space, Add	*1.30*	
22 07 19 00-1042	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.08	2.18
		For Work In Restricted Working Space, Add	*1.31*	

22 07 19 00-1043 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-1031)*

22 07 19 00-1044	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.92	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1045	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	4.99	2.05
		For Work In Restricted Working Space, Add	*1.24*	
22 07 19 00-1046	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.12	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1047	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.28	2.09
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1048	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.68	2.14
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1049	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.05	2.18
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1050	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.46	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1051	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.00	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1052	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.92	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1053	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.95	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1054	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.92	2.37
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-1055	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.46	2.41
		For Work In Restricted Working Space, Add	*1.44*	

22 07 19 00-1056 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-1031)*

22 07 19 00-1057	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.64	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1058	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.70	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1059	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.27	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1060	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.52	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1061	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.24	2.41
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-1062	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.10	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1063	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.48	2.46
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-1064	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.11	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1065	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.30	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1066	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.36	2.58
		For Work In Restricted Working Space, Add	*1.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1067	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.95	2.61
		For Work In Restricted Working Space, Add	*1.56*	
22 07 19 00-1068	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.57	2.64
		For Work In Restricted Working Space, Add	*1.58*	

22 07 19 00-1069 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-1031)*

22 07 19 00-1070	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.62	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1071	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.85	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1072	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.73	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1073	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.97	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1074	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.36	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1075	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.97	2.70
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-1076	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.21	2.74
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1077	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.62	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-1078	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.54	2.83
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-1079	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.39	2.87
		For Work In Restricted Working Space, Add	*1.72*	

22 07 19 00-1080 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1081 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*

22 07 19 00-1082	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.41	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1083	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.52	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1084	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.71	1.95
		For Work In Restricted Working Space, Add	*1.17*	
22 07 19 00-1085	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.83	1.98
		For Work In Restricted Working Space, Add	*1.19*	
22 07 19 00-1086	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.97	2.01
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-1087	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.16	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1088	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.32	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1089	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.51	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1090	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.67	2.08
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1091	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.84	2.11
		For Work In Restricted Working Space, Add	*1.27*	
22 07 19 00-1092	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.06	2.14
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1093	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.27	2.14
		For Work In Restricted Working Space, Add	*1.30*	
22 07 19 00-1094	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.41	2.18
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1095	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.62	2.18
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1096	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.10	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1097	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.65	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1098	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.29	2.25
		For Work In Restricted Working Space, Add	*1.36*	

22 07 19 00-1099 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*

22 07 19 00-1100	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.07	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1101	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.16	2.05
		For Work In Restricted Working Space, Add	*1.24*	
22 07 19 00-1102	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.26	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1103	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.41	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1104	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.53	2.08
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1105	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.79	2.14
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1106	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.06	2.18
		For Work In Restricted Working Space, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1107	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.28	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1108	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.54	2.23
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1109	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.74	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1110	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.55	2.28
		For Work In Restricted Working Space, Add	*1.37*	
22 07 19 00-1111	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.02	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1112	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.37	2.33
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-1113	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.68	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1114	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.89	2.36
		For Work In Restricted Working Space, Add	*1.42*	
22 07 19 00-1115	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.07	2.37
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-1116	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.99	2.41
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-1117	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.21	2.43
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1118	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1119	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.16	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-1120	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.33	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1121		3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*		
22 07 19 00-1122	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.00	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1123	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.20	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1124	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.49	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1125	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.67	2.33
		For Work In Restricted Working Space, Add	*1.40*	
22 07 19 00-1126	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.76	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1127	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.20	2.41
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-1128	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.59	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1129	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.95	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1130	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.07	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1131	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.21	2.50
		For Work In Restricted Working Space, Add	*1.49*	
22 07 19 00-1132	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.68	2.51
		For Work In Restricted Working Space, Add	*1.50*	
22 07 19 00-1133	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.92	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1134	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.47	2.56
		For Work In Restricted Working Space, Add	*1.53*	
22 07 19 00-1135	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.83	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1136	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.40	2.59
		For Work In Restricted Working Space, Add	*1.55*	
22 07 19 00-1137	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.61	2.61
		For Work In Restricted Working Space, Add	*1.56*	
22 07 19 00-1138	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.47	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1139	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.16	2.66
		For Work In Restricted Working Space, Add	*1.59*	
22 07 19 00-1140	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.34	2.67
		For Work In Restricted Working Space, Add	*1.60*	
22 07 19 00-1141	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.56	2.70
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-1142	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.01	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-1143		1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*		
22 07 19 00-1144	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.19	2.44
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1145	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.44	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1146	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.75	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1147	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.05	2.56
		For Work In Restricted Working Space, Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1148	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.31	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1149	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.71	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1150	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.39	2.70
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-1151	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.75	2.70
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1152	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.23	2.74
		For Work In Restricted Working Space, Add	*1.65*	
22 07 19 00-1153	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.40	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-1154	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.47	2.80
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-1155	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.29	2.83
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-1156	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.35	2.85
		For Work In Restricted Working Space, Add	*1.71*	
22 07 19 00-1157	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.65	2.87
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-1158	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.21	2.88
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-1159	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.47	2.90
		For Work In Restricted Working Space, Add	*1.74*	
22 07 19 00-1160	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.47	2.97
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-1161	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.84	3.00
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-1162	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.87	3.04
		For Work In Restricted Working Space, Add	*1.82*	
22 07 19 00-1163	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.01	3.10
		For Work In Restricted Working Space, Add	*1.86*	

22 07 19 00-1164 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*

22 07 19 00-1165	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.03	2.73
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1166	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.35	2.78
		For Work In Restricted Working Space, Add	*1.68*	
22 07 19 00-1167	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.65	2.80
		For Work In Restricted Working Space, Add	*1.69*	
22 07 19 00-1168	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.97	2.83
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-1169	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.34	2.89
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-1170	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.96	3.00
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-1171	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.95	2.96
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-1172	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.81	3.03
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-1173	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.32	3.10
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-1174	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.00	3.14
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-1175	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.58	3.18
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-1176	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.32	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-1177	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.05	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 07 19 00-1178	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.93	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-1179	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.47	3.23
		For Work In Restricted Working Space, Add	*1.94*	
22 07 19 00-1180	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	3.34
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-1181	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.95	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-1182	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.82	3.45
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-1183	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.62	3.56
		For Work In Restricted Working Space, Add	*2.13*	

22 07 19 00-1184 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-1080)*

22 07 19 00-1185	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.40	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-1186	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.21	3.06
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-1187	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.65	3.08
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-1188	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.14	3.11
		For Work In Restricted Working Space, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1189	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.31	3.17
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-1190	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.68	3.32
		For Work In Restricted Working Space, Add	*1.99*	
22 07 19 00-1191	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.55	3.24
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-1192	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.08	3.35
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-1193	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.55	3.47
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-1194	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.54	3.51
		For Work In Restricted Working Space, Add	*2.10*	
22 07 19 00-1195	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.61	3.56
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-1196	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.84	3.56
		For Work In Restricted Working Space, Add	*2.13*	
22 07 19 00-1197	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.81	3.57
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1198	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.16	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-1199	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.61	3.60
		For Work In Restricted Working Space, Add	*2.16*	
22 07 19 00-1200	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.30	3.77
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-1201	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.04	3.84
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1202	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.79	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1203	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.49	4.08
		For Work In Restricted Working Space, Add	*2.44*	

22 07 19 00-1204 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1205 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1204)*

22 07 19 00-1206	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.43	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1207	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.53	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1208	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.71	1.95
		For Work In Restricted Working Space, Add	*1.17*	
22 07 19 00-1209	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.97	2.01
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-1210	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.15	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1211	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.53	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1212	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.85	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1213	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.07	2.14
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1214	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.05	2.14
		For Work In Restricted Working Space, Add	*1.30*	
22 07 19 00-1215	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.96	2.18
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1216	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.40	2.24
		For Work In Restricted Working Space, Add	*1.34*	

22 07 19 00-1217 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1204)*

22 07 19 00-1218	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.12	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1219	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.18	2.05
		For Work In Restricted Working Space, Add	*1.24*	
22 07 19 00-1220	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.34	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1221	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.59	2.08
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1222	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.81	2.14
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1223	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.23	2.18
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1224	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.70	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1225	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.15	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1226	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.20	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1227	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.18	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1228	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.03	2.41
		For Work In Restricted Working Space, Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1229		**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)*		
22 07 19 00-1230	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.97	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1231	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.27	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1232	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.59	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1233	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.24	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1234	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.75	2.41
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-1235	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.85	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1236	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.58	2.45
		For Work In Restricted Working Space, Add	*1.47*	
22 07 19 00-1237	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.40	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1238	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.94	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1239	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.39	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1240	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.16	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1241		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)*		
22 07 19 00-1242	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.58	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1243	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.70	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1244	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.02	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1245	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.99	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1246	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.70	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1247	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.44	2.70
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-1248	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.23	2.70
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1249	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.08	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-1250	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.53	2.83
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-1251	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.30	2.87
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-1252		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)*		
		Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1253		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1252)*		
22 07 19 00-1254	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	5.53	1.88
		For Work In Restricted Working Space, Add	*1.13*	
22 07 19 00-1255	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	5.94	1.95
		For Work In Restricted Working Space, Add	*1.17*	
22 07 19 00-1256	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	6.31	2.02
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-1257	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	6.68	2.05
		For Work In Restricted Working Space, Add	*1.23*	
22 07 19 00-1258	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	7.09	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1259	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	7.82	2.09
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1260	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	8.62	2.15
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1261	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.85	2.16
		For Work In Restricted Working Space, Add	*1.30*	
22 07 19 00-1262	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.40	2.19
		For Work In Restricted Working Space, Add	*1.31*	
22 07 19 00-1263		**1/2" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1252)*		
22 07 19 00-1264	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	6.72	2.02
		For Work In Restricted Working Space, Add	*1.21*	
22 07 19 00-1265	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	7.13	2.08
		For Work In Restricted Working Space, Add	*1.25*	
22 07 19 00-1266	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	7.50	2.08
		For Work In Restricted Working Space, Add	*1.26*	
22 07 19 00-1267	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	8.00	2.14
		For Work In Restricted Working Space, Add	*1.29*	
22 07 19 00-1268	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	8.43	2.18
		For Work In Restricted Working Space, Add	*1.31*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1269	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	9.11	2.21
		For Work In Restricted Working Space, Add	*1.33*	
22 07 19 00-1270	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.47	2.24
		For Work In Restricted Working Space, Add	*1.34*	
22 07 19 00-1271	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.71	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1272	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.19	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1273	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.28	2.37
		For Work In Restricted Working Space, Add	*1.43*	
22 07 19 00-1274	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.67	2.41
		For Work In Restricted Working Space, Add	*1.44*	

22 07 19 00-1275 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

22 07 19 00-1276	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	8.53	2.20
		For Work In Restricted Working Space, Add	*1.32*	
22 07 19 00-1277	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	9.13	2.31
		For Work In Restricted Working Space, Add	*1.39*	
22 07 19 00-1278	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	10.08	2.34
		For Work In Restricted Working Space, Add	*1.41*	
22 07 19 00-1279	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	11.40	2.42
		For Work In Restricted Working Space, Add	*1.44*	
22 07 19 00-1280	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.40	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1281	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.93	2.48
		For Work In Restricted Working Space, Add	*1.48*	
22 07 19 00-1282	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.13	2.50
		For Work In Restricted Working Space, Add	*1.49*	
22 07 19 00-1283	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	20.42	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1284	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	22.69	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1285	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	26.48	2.61
		For Work In Restricted Working Space, Add	*1.56*	
22 07 19 00-1286	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.18	2.64
		For Work In Restricted Working Space, Add	*1.58*	

22 07 19 00-1287 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

22 07 19 00-1288	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	12.46	2.45
		For Work In Restricted Working Space, Add	*1.46*	
22 07 19 00-1289	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	13.15	2.54
		For Work In Restricted Working Space, Add	*1.52*	
22 07 19 00-1290	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	15.10	2.58
		For Work In Restricted Working Space, Add	*1.54*	
22 07 19 00-1291	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	17.36	2.64
		For Work In Restricted Working Space, Add	*1.58*	
22 07 19 00-1292	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.42	2.70
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-1293	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	21.01	2.74
		For Work In Restricted Working Space, Add	*1.64*	
22 07 19 00-1294	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	24.22	2.77
		For Work In Restricted Working Space, Add	*1.66*	
22 07 19 00-1295	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	32.05	2.83
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-1296	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	37.72	2.87
		For Work In Restricted Working Space, Add	*1.72*	
22 07 19 00-1297	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	40.74	2.90
		For Work In Restricted Working Space, Add	*1.74*	
22 07 19 00-1298	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	46.97	2.97
		For Work In Restricted Working Space, Add	*1.78*	

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	14.38	2.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*4.17*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*2.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	16.09	2.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*4.81*	
		For ASTM 120, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*2.92*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	18.84	3.27
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.87*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*3.13*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.02	3.41
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.59*	
		For ASTM 120, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*3.32*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.08	4.03
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.40*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*3.46*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.84	4.86
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.60*	
		For ASTM 120, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*3.94*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	46.09	5.77
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*16.89*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.65	7.71
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*21.28*	
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*5.59*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	86.95	8.31
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*34.27*	
		For ASTM 120, Deduct	*-10.13*	
		For Work In Restricted Working Space, Add	*5.83*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	161.65	10.62
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*66.88*	
		For ASTM 120, Deduct	*-20.73*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	180.33	12.56
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*74.48*	
		For ASTM 120, Deduct	*-23.05*	
		For Work In Restricted Working Space, Add	*8.00*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	7.27	2.78
		For Schedule 80 Pipe, Add	*1.89*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	8.53	2.99
		For Schedule 80 Pipe, Add	*2.39*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.86	3.27
		For Schedule 80 Pipe, Add	*3.37*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	13.28	3.41
		For Schedule 80 Pipe, Add	*4.42*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	15.76	4.03
		For Schedule 80 Pipe, Add	*5.27*	
		For ASTM 120, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.37	4.86
		For Schedule 80 Pipe, Add	*7.00*	
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*2.19*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	29.39	5.77
		For Schedule 80 Pipe, Add	*10.81*	
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	38.69	7.71
		For Schedule 80 Pipe, Add	*14.17*	
		For ASTM 120, Deduct	*-4.07*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	51.10	8.31
		For Schedule 80 Pipe, Add	*19.78*	
		For ASTM 120, Deduct	*-5.79*	
		For Work In Restricted Working Space, Add	*3.75*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	67.68	10.62
		For Schedule 80 Pipe, Add	*26.44*	
		For ASTM 120, Deduct	*-7.77*	
		For Work In Restricted Working Space, Add	*4.77*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	85.97	12.56
		For Schedule 80 Pipe, Add	*34.11*	
		For ASTM 120, Deduct	*-10.07*	
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	95.27	15.19
		For Schedule 80 Pipe, Add	*37.09*	
		For ASTM 120, Deduct	*-10.88*	
		For Work In Restricted Working Space, Add	*6.82*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	11.42	2.78
		For Schedule 80 Pipe, Add	*3.88*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	13.12	2.99
		For Schedule 80 Pipe, Add	*4.60*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*1.34*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.90	3.27
		For Schedule 80 Pipe, Add	*5.31*	
		For ASTM 120, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.78	3.41
		For Schedule 80 Pipe, Add	*6.58*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*1.55*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	20.46	4.03
		For Schedule 80 Pipe, Add	*7.53*	
		For ASTM 120, Deduct	*-2.16*	
		For Work In Restricted Working Space, Add	*1.81*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	23.74	4.86
		For Schedule 80 Pipe, Add	*8.62*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*2.19*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	36.17	5.77
		For Schedule 80 Pipe, Add	*14.06*	
		For ASTM 120, Deduct	*-4.12*	
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	45.19	7.71
		For Schedule 80 Pipe, Add	*17.29*	
		For ASTM 120, Deduct	*-5.04*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	60.56	8.31
		For Schedule 80 Pipe, Add	*24.32*	
		For ASTM 120, Deduct	*-7.21*	
		For Work In Restricted Working Space, Add	*3.75*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	78.64	10.62
		For Schedule 80 Pipe, Add	*31.70*	
		For ASTM 120, Deduct	*-9.41*	
		For Work In Restricted Working Space, Add	*4.77*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	99.06	12.56
		For Schedule 80 Pipe, Add	*40.40*	
		For ASTM 120, Deduct	*-12.04*	
		For Work In Restricted Working Space, Add	*5.65*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	22.32	12.36
		For 300 Lb. Rating, Add	*14.03*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	25.39	13.82
		For 300 Lb. Rating, Add	*17.09*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*6.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	31.79	15.42
		For 300 Lb. Rating, Add	*30.77*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	39.86	17.51
		For 300 Lb. Rating, Add	*47.98*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*7.86*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	47.37	19.72
		For 300 Lb. Rating, Add	*62.36*	
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	66.73	25.07
		For 300 Lb. Rating, Add	*101.50*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	131.94	37.09
		For 300 Lb. Rating, Add	*263.03*	
		For ASTM 120, Deduct	*-11.46*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	199.02	48.75
		For 300 Lb. Rating, Add	*432.51*	
		For ASTM 120, Deduct	*-18.89*	
		For Work In Restricted Working Space, Add	*21.93*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	295.02	48.63
		For 300 Lb. Rating, Add	*759.52*	
		For ASTM 120, Deduct	*-33.32*	
		For Work In Restricted Working Space, Add	*21.88*	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,035.20	50.75
		For 300 Lb. Rating, Add	*3,265.57*	
		For ASTM 120, Deduct	*-143.87*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	963.74	53.06
		For 300 Lb. Rating, Add	*3,011.05*	
		For ASTM 120, Deduct	*-132.63*	
		For Work In Restricted Working Space, Add	*23.86*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,149.86	55.45
		For 300 Lb. Rating, Add	*3,631.87*	
		For ASTM 120, Deduct	*-160.01*	
		For Work In Restricted Working Space, Add	*24.94*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	27.74	13.06
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*5.89*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	32.35	14.66
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*6.58*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	31.87	13.89
		For ASTM 120, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	42.14	16.46
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*7.40*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	44.44	15.62
		For ASTM 120, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	44.59	14.93
		For ASTM 120, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*6.71*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	55.78	18.61
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	54.24	17.57
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	53.04	16.73
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*7.54*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	66.14	22.37
		For ASTM 120, Deduct	*-4.89*	
		For Work In Restricted Working Space, Add	*10.07*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	69.23	21.25
		For ASTM 120, Deduct	*-5.60*	
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	69.11	20.21
		For ASTM 120, Deduct	*-5.82*	
		For Work In Restricted Working Space, Add	*9.10*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	58.54	19.45
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*8.74*	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	157.02	31.04
		For ASTM 120, Deduct	*-16.57*	
		For Work In Restricted Working Space, Add	*13.97*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	165.64	28.41
		For ASTM 120, Deduct	*-18.46*	
		For Work In Restricted Working Space, Add	*12.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	265.12	42.92
		For ASTM 120, Deduct	*-30.12*	
		For Work In Restricted Working Space, Add	*19.30*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	229.71	36.88
		For ASTM 120, Deduct	*-26.16*	
		For Work In Restricted Working Space, Add	*16.60*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	523.71	46.25
		For ASTM 120, Deduct	*-68.15*	
		For Work In Restricted Working Space, Add	*20.81*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	23.25	12.36
		For 300 Lb. Rating, Add	*17.19*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	27.53	13.82
		For 300 Lb. Rating, Add	*24.36*	
		For ASTM 120, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*6.22*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	30.83	15.42
		For 300 Lb. Rating, Add	*27.50*	
		For ASTM 120, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	40.56	17.51
		For 300 Lb. Rating, Add	*50.36*	
		For ASTM 120, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*7.86*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	46.40	19.72
		For 300 Lb. Rating, Add	*59.06*	
		For ASTM 120, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	62.48	25.07
		For 300 Lb. Rating, Add	*87.05*	
		For ASTM 120, Deduct	*-3.74*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	142.33	37.09
		For 300 Lb. Rating, Add	*298.35*	
		For ASTM 120, Deduct	*-13.02*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	199.30	48.75
		For 300 Lb. Rating, Add	*433.47*	
		For ASTM 120, Deduct	*-18.93*	
		For Work In Restricted Working Space, Add	*21.93*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	284.49	48.63
		For 300 Lb. Rating, Add	*723.71*	
		For ASTM 120, Deduct	*-31.74*	
		For Work In Restricted Working Space, Add	*21.88*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	931.00	50.75
		For 300 Lb. Rating, Add	*2,911.29*	
		For ASTM 120, Deduct	*-128.24*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,110.37	53.06
		For 300 Lb. Rating, Add	*3,509.59*	
		For ASTM 120, Deduct	*-154.62*	
		For Work In Restricted Working Space, Add	*23.86*	
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,324.98	55.45
		For 300 Lb. Rating, Add	*4,227.28*	
		For ASTM 120, Deduct	*-186.28*	
		For Work In Restricted Working Space, Add	*24.94*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	28.07	15.42
		For 300 Lb. Rating, Add	*18.12*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	34.82	17.85
		For 300 Lb. Rating, Add	*29.18*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	44.69	21.04
		For 300 Lb. Rating, Add	*46.50*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	58.36	25.07
		For 300 Lb. Rating, Add	*73.04*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	70.69	29.86
		For 300 Lb. Rating, Add	*90.68*	
		For ASTM 120, Deduct	*-3.88*	
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	97.62	37.09
		For 300 Lb. Rating, Add	*146.34*	
		For ASTM 120, Deduct	*-6.31*	
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	178.81	40.28
		For 300 Lb. Rating, Add	*406.25*	
		For ASTM 120, Deduct	*-17.76*	
		For Work In Restricted Working Space, Add	*18.12*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	211.97	48.75
		For 300 Lb. Rating, Add	*476.54*	
		For ASTM 120, Deduct	*-20.83*	
		For Work In Restricted Working Space, Add	*21.93*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	420.62	61.44
		For 300 Lb. Rating, Add	*1,122.46*	
		For ASTM 120, Deduct	*-49.28*	
		For Work In Restricted Working Space, Add	*27.63*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,142.01	72.94
		For 300 Lb. Rating, Add	*3,517.50*	
		For ASTM 120, Deduct	*-154.89*	
		For Work In Restricted Working Space, Add	*32.81*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,296.24	83.38
		For 300 Lb. Rating, Add	*3,989.72*	
		For ASTM 120, Deduct	*-175.69*	
		For Work In Restricted Working Space, Add	*37.50*	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,541.66	99.01
		For 300 Lb. Rating, Add	*4,740.61*	
		For ASTM 120, Deduct	*-208.75*	
		For Work In Restricted Working Space, Add	*45.00*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	34.59	15.42
		For 300 Lb. Rating, Add	*40.29*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	37.99	17.85
		For 300 Lb. Rating, Add	*39.95*	
		For ASTM 120, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	47.42	21.04
		For 300 Lb. Rating, Add	*55.78*	
		For ASTM 120, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	62.11	25.07
		For 300 Lb. Rating, Add	*85.79*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	75.16	29.86
		For 300 Lb. Rating, Add	*105.88*	
		For ASTM 120, Deduct	*-4.55*	
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	99.87	37.09
		For 300 Lb. Rating, Add	*153.99*	
		For ASTM 120, Deduct	*-6.65*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	217.09	40.42
		For 300 Lb. Rating, Add	*535.77*	
		For ASTM 120, Deduct	*-23.48*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	277.24	49.51
		For 300 Lb. Rating, Add	*694.59*	
		For ASTM 120, Deduct	*-30.45*	
		For Work In Restricted Working Space, Add	*22.28*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	680.52	61.44
		For 300 Lb. Rating, Add	*2,006.12*	
		For ASTM 120, Deduct	*-88.26*	
		For Work In Restricted Working Space, Add	*27.63*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,473.79	72.94
		For 300 Lb. Rating, Add	*4,645.56*	
		For ASTM 120, Deduct	*-204.66*	
		For Work In Restricted Working Space, Add	*32.81*	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,673.02	83.38
		For 300 Lb. Rating, Add	*5,270.77*	
		For ASTM 120, Deduct	*-232.20*	
		For Work In Restricted Working Space, Add	*37.50*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,010.26	95.74
		For 300 Lb. Rating, Add	*6,354.76*	
		For ASTM 120, Deduct	*-279.98*	
		For Work In Restricted Working Space, Add	*43.13*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	27.76	12.36
		For 300 Lb. Rating, Add	*32.53*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	31.38	13.82
		For 300 Lb. Rating, Add	*37.45*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*6.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	40.60	15.42
		For 300 Lb. Rating, Add	*60.72*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	50.83	17.51
		For 300 Lb. Rating, Add	*85.28*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*7.86*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	57.53	19.72
		For 300 Lb. Rating, Add	*96.91*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	78.45	25.07
		For 300 Lb. Rating, Add	*141.35*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	180.79	37.09
		For 300 Lb. Rating, Add	*429.12*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	240.48	48.75
		For 300 Lb. Rating, Add	*573.48*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*21.93*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	428.40	48.63
		For 300 Lb. Rating, Add	*1,213.01*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*21.88*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,077.02	50.75
		For 300 Lb. Rating, Add	*3,407.76*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,219.88	53.06
		For 300 Lb. Rating, Add	*3,881.93*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*23.86*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,457.48	55.45
		For 300 Lb. Rating, Add	*4,677.78*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*24.94*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	29.73	12.36
		For 300 Lb. Rating, Add	*39.23*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	32.72	13.82
		For 300 Lb. Rating, Add	*42.01*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*6.22*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	43.13	15.42
		For 300 Lb. Rating, Add	*69.32*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	52.04	17.51
		For 300 Lb. Rating, Add	*89.39*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*7.86*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	62.87	19.72
		For 300 Lb. Rating, Add	*115.06*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*8.87*	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	82.99	25.07
		For 300 Lb. Rating, Add	*156.78*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	182.38	37.09
		For 300 Lb. Rating, Add	*434.52*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	235.73	48.75
		For 300 Lb. Rating, Add	*557.33*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*21.93*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	437.55	48.63
		For 300 Lb. Rating, Add	*1,244.12*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*21.88*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,129.71	50.75
		For 300 Lb. Rating, Add	*3,586.91*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,279.90	53.06
		For 300 Lb. Rating, Add	*4,086.00*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*23.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,530.35	55.45
		For 300 Lb. Rating, Add	*4,925.54*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*24.94*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	10.77	5.77
		For 300 Lb. Rating, Add	*7.63*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	12.15	6.18
		For 300 Lb. Rating, Add	*10.38*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*2.78*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	14.27	7.15
		For 300 Lb. Rating, Add	*12.85*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	15.92	7.50
		For 300 Lb. Rating, Add	*16.72*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*3.36*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	15.62	7.50
		For 300 Lb. Rating, Add	*15.70*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*3.36*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.39	9.93
		For 300 Lb. Rating, Add	*33.06*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	39.75	12.36
		For 300 Lb. Rating, Add	*73.29*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	52.63	14.93
		For 300 Lb. Rating, Add	*104.13*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	81.51	16.69
		For 300 Lb. Rating, Add	*193.63*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	218.86	20.87
		For 300 Lb. Rating, Add	*639.75*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*9.38*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	273.67	24.81
		For 300 Lb. Rating, Add	*806.13*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*11.17*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	347.99	27.73
		For 300 Lb. Rating, Add	*1,044.32*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*12.47*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	36.99	15.42
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	42.61	17.85
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	52.39	21.04
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	67.64	25.07
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	81.28	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	97.49	37.09
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	227.67	54.65
		For Work In Restricted Working Space, Add	*24.60*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	311.77	71.88
		For Work In Restricted Working Space, Add	*32.37*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	51.29	15.42
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	52.27	17.85
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	63.26	21.04
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	85.53	25.07
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	100.07	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	133.60	37.09
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	287.30	54.65
		For Work In Restricted Working Space, Add	*24.61*	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	422.88	71.88
		For Work In Restricted Working Space, Add	*32.38*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	601.71	71.75
		For Work In Restricted Working Space, Add	*32.29*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	55.21	15.42
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	61.48	17.85
		For Work In Restricted Working Space, Add	*8.01*	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	77.68	21.04
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	101.84	25.07
		For Work In Restricted Working Space, Add	*11.26*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	122.24	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	148.50	37.09
		For Work In Restricted Working Space, Add	*16.67*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	341.27	54.65
		For Work In Restricted Working Space, Add	*24.61*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	546.38	71.88
		For Work In Restricted Working Space, Add	*32.38*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,207.32	71.75
		For Work In Restricted Working Space, Add	*32.29*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	11.76	6.60
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	11.41	6.60
		For Schedule 80 Nipples, Add	*1.70*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	11.73	6.60
		For Schedule 80 Nipples, Add	*2.06*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	13.17	7.15
		For Schedule 80 Nipples, Add	*2.84*	
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	14.92	7.71
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	15.49	7.71
		For Schedule 80 Nipples, Add	*4.46*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	20.45	9.93
		For Schedule 80 Nipples, Add	*6.29*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	34.94	12.36
		For Schedule 80 Nipples, Add	*18.72*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	42.08	14.93
		For Schedule 80 Nipples, Add	*22.44*	
		For ASTM 120, Deduct	*-2.95*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	54.49	16.69
		For Schedule 80 Nipples, Add	*33.62*	
		For ASTM 120, Deduct	*-4.42*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.04	6.60
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.49	6.60
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.89	6.60
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	12.04	6.60
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	11.49	6.60
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	11.89	6.60
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	13.61	7.15
		For Schedule 80 Nipples, Add	*3.34*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	15.16	7.71
		For Schedule 80 Nipples, Add	*4.08*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	15.78	7.71
		For Schedule 80 Nipples, Add	*4.79*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.74	6.60
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.76	6.60
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.10	6.60
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.86	7.15
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.51	7.71
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.14	9.93
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	12.74	6.60
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	11.76	6.60
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	12.10	6.60
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	13.86	7.15
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	15.51	7.71
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	16.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	21.14	9.93
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	35.57	12.36
		For Schedule 80 Nipples, Add	*19.44*	
		For ASTM 120, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	44.79	14.93
		For Schedule 80 Nipples, Add	*25.52*	
		For ASTM 120, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.27	6.60
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.20	6.60
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.74	6.60
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.50	7.15
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.50	7.71
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.47	9.93
		For Schedule 80 Nipples, Add	*8.60*	
		For ASTM 120, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	38.31	12.36
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	48.67	14.93
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	13.27	6.60
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	12.20	6.60
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	13.27	6.60
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	14.50	7.15
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	16.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	17.50	7.71
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	22.53	9.93
		For Schedule 80 Nipples, Add	*8.66*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	38.31	12.36
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	48.67	14.93
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	60.26	16.69
		For Schedule 80 Nipples, Add	*40.20*	
		For ASTM 120, Deduct	*-5.29*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.54	6.60
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.66	6.60
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.29	6.60
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.36	7.15
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.37	7.71
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.73	7.71
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.55	9.93
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	40.58	12.36
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	53.01	14.93
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	64.54	16.69
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	14.54	6.60
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	12.66	6.60
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	13.29	6.60
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	15.36	7.15
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	17.37	7.71
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	18.73	7.71
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	24.55	9.93
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	40.58	12.36
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	53.01	14.93
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	64.54	16.69
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	15.05	6.60
		For Schedule 80 Nipples, Add	*5.85*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	13.03	6.60
		For Schedule 80 Nipples, Add	*3.55*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	13.96	6.60
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	15.99	7.15
		For Schedule 80 Nipples, Add	*6.05*	
		For ASTM 120, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	18.30	7.71
		For Schedule 80 Nipples, Add	*7.66*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	19.63	7.71
		For Schedule 80 Nipples, Add	*9.18*	
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	26.11	9.93
		For Schedule 80 Nipples, Add	*12.75*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*4.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	42.77	12.36
		For Schedule 80 Nipples, Add	*27.65*	
		For ASTM 120, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	54.78	14.93
		For Schedule 80 Nipples, Add	*36.91*	
		For ASTM 120, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	68.71	16.69
		For Schedule 80 Nipples, Add	*49.83*	
		For ASTM 120, Deduct	*-6.56*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	30.43	6.60
		For Schedule 80 Nipples, Add	*23.38*	
		For ASTM 120, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	15.40	6.60
		For Schedule 80 Nipples, Add	*6.25*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	16.93	6.60
		For Schedule 80 Nipples, Add	*7.99*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	19.56	7.15
		For Schedule 80 Nipples, Add	*10.12*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	22.47	7.71
		For Schedule 80 Nipples, Add	*12.41*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.07	7.71
		For Schedule 80 Nipples, Add	*14.24*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	33.15	9.93
		For Schedule 80 Nipples, Add	*20.77*	
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	49.73	12.36
		For Schedule 80 Nipples, Add	*35.58*	
		For ASTM 120, Deduct	*-4.68*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	66.02	14.93
		For Schedule 80 Nipples, Add	*49.73*	
		For ASTM 120, Deduct	*-6.54*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	77.16	16.69
		For Schedule 80 Nipples, Add	*59.46*	
		For ASTM 120, Deduct	*-7.82*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	19.70	6.60
		For Schedule 80 Nipples, Add	*11.15*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	16.43	6.60
		For Schedule 80 Nipples, Add	*7.42*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	17.70	6.60
		For Schedule 80 Nipples, Add	*8.87*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	20.83	7.15
		For Schedule 80 Nipples, Add	*11.57*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	24.60	7.71
		For Schedule 80 Nipples, Add	*14.84*	
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	26.14	7.71
		For Schedule 80 Nipples, Add	*16.60*	
		For ASTM 120, Deduct	*-2.18*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	36.24	9.93
		For Schedule 80 Nipples, Add	*24.29*	
		For ASTM 120, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	54.09	12.36
		For Schedule 80 Nipples, Add	*40.55*	
		For ASTM 120, Deduct	*-5.34*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	72.16	14.93
		For Schedule 80 Nipples, Add	*56.73*	
		For ASTM 120, Deduct	*-7.46*	
		For Work In Restricted Working Space, Add	*6.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	85.45	16.69
		For Schedule 80 Nipples, Add	*68.91*	
		For ASTM 120, Deduct	*-9.07*	
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	20.76	6.60
		For Schedule 80 Nipples, Add	*12.36*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	17.33	6.60
		For Schedule 80 Nipples, Add	*8.45*	
		For ASTM 120, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	18.64	6.60
		For Schedule 80 Nipples, Add	*9.94*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	22.50	7.15
		For Schedule 80 Nipples, Add	*13.47*	
		For ASTM 120, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*3.20*	
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	27.21	7.71
		For Schedule 80 Nipples, Add	*17.82*	
		For ASTM 120, Deduct	*-2.34*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	28.24	7.71
		For Schedule 80 Nipples, Add	*18.99*	
		For ASTM 120, Deduct	*-2.50*	
		For Work In Restricted Working Space, Add	*3.47*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	39.38	9.93
		For Schedule 80 Nipples, Add	*27.87*	
		For ASTM 120, Deduct	*-3.67*	
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	58.32	12.36
		For Schedule 80 Nipples, Add	*45.37*	
		For ASTM 120, Deduct	*-5.97*	
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	78.35	14.93
		For Schedule 80 Nipples, Add	*63.78*	
		For ASTM 120, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	93.82	16.69
		For Schedule 80 Nipples, Add	*78.45*	
		For ASTM 120, Deduct	*-10.32*	
		For Work In Restricted Working Space, Add	*7.50*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0844 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	12.84	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	13.28	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	13.69	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	15.16	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	16.68	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	17.59	6.60
		For Work In Restricted Working Space, Add	*2.98*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	16.28	7.15
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	16.76	7.15
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.12	7.15
		For Work In Restricted Working Space, Add	*3.21*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	26.12	7.71
		For Work In Restricted Working Space, Add	*3.48*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	30.17	7.71
		For Work In Restricted Working Space, Add	*3.48*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	40.76	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	47.92	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	81.62	14.93
		For Work In Restricted Working Space, Add	*6.73*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	14.61	4.93
		For 300 Lb. Rating, Add	*24.92*	
		For Work In Restricted Working Space, Add	*2.22*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	15.49	5.55
		For 300 Lb. Rating, Add	*24.98*	
		For Work In Restricted Working Space, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	17.16	6.18
		For 300 Lb. Rating, Add	*27.42*	
		For Work In Restricted Working Space, Add	*2.78*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	22.63	7.02
		For 300 Lb. Rating, Add	*41.94*	
		For Work In Restricted Working Space, Add	*3.14*	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	28.18	7.85
		For 300 Lb. Rating, Add	*56.33*	
		For Work In Restricted Working Space, Add	*3.55*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	35.81	10.00
		For 300 Lb. Rating, Add	*71.62*	
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	62.79	14.79
		For 300 Lb. Rating, Add	*139.27*	
		For Work In Restricted Working Space, Add	*6.67*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	86.80	19.52
		For 300 Lb. Rating, Add	*197.46*	
		For Work In Restricted Working Space, Add	*8.77*	
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	148.67	19.44
		For 300 Lb. Rating, Add	*408.05*	
		For Work In Restricted Working Space, Add	*8.75*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	249.67	20.31
		For 300 Lb. Rating, Add	*747.24*	
		For Work In Restricted Working Space, Add	*9.13*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	268.84	21.19
		For 300 Lb. Rating, Add	*807.78*	
		For Work In Restricted Working Space, Add	*9.55*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	28.82	13.06
		For Work In Restricted Working Space, Add	*5.89*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	31.83	13.89
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	32.36	14.66
		For Work In Restricted Working Space, Add	*6.58*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	37.77	14.93
		For Work In Restricted Working Space, Add	*6.71*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	37.47	15.62
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	38.68	16.46
		For Work In Restricted Working Space, Add	*7.40*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	44.39	16.04
		For Work In Restricted Working Space, Add	*7.21*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	45.49	16.73
		For Work In Restricted Working Space, Add	*7.54*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	44.69	17.57
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	44.81	18.61
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	53.44	18.68
		For Work In Restricted Working Space, Add	*8.41*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	52.78	19.45
		For Work In Restricted Working Space, Add	*8.74*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	52.70	20.21
		For Work In Restricted Working Space, Add	*9.10*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	54.23	21.25
		For Work In Restricted Working Space, Add	*9.56*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	53.16	22.37
		For Work In Restricted Working Space, Add	*10.07*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	74.91	25.42
		For Work In Restricted Working Space, Add	*11.44*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	76.12	26.25
		For Work In Restricted Working Space, Add	*11.81*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	77.65	27.22
		For Work In Restricted Working Space, Add	*12.26*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	78.65	28.41
		For Work In Restricted Working Space, Add	*12.77*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	78.53	31.04
		For Work In Restricted Working Space, Add	*13.97*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	95.46	31.25
		For Work In Restricted Working Space, Add	*14.08*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	96.67	32.08
		For Work In Restricted Working Space, Add	*14.44*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	98.20	33.13
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	98.92	34.24
		For Work In Restricted Working Space, Add	*15.40*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	98.47	36.88
		For Work In Restricted Working Space, Add	*16.60*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	109.98	42.92
		For Work In Restricted Working Space, Add	*19.30*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	147.53	30.51
		For Work In Restricted Working Space, Add	*13.74*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	148.62	31.25
		For Work In Restricted Working Space, Add	*14.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	149.99	32.19
		For Work In Restricted Working Space, Add	*14.48*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	151.49	33.19
		For Work In Restricted Working Space, Add	*14.93*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	143.11	35.57
		For Work In Restricted Working Space, Add	*16.01*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	163.20	41.00
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	164.37	46.25
		For Work In Restricted Working Space, Add	*20.81*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	46.13	25.38
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	50.37	27.78
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	58.39	31.39
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	60.82	32.50
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	66.20	35.35
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	72.53	36.88

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	109.55	27.78
		For Work In Restricted Working Space, Add	*12.50*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	99.63	31.39
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	76.51	32.50
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	94.03	35.35
		For Work In Restricted Working Space, Add	*15.90*	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	109.61	36.88
		For Work In Restricted Working Space, Add	*16.60*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	127.51	42.71
		For Work In Restricted Working Space, Add	*19.20*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	252.71	54.17
		For Work In Restricted Working Space, Add	*24.36*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	333.56	66.69
		For Work In Restricted Working Space, Add	*29.99*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	485.72	79.38
		For Work In Restricted Working Space, Add	*35.71*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	528.67	91.19
		For Work In Restricted Working Space, Add	*41.02*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	462.69	104.22
		For Work In Restricted Working Space, Add	*46.88*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	22.61	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	24.86	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	27.13	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	29.38	
		For Work In Restricted Working Space, Add	*8.81*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	30.90	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	32.40	
		For Work In Restricted Working Space, Add	*9.72*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	33.90	
		For Work In Restricted Working Space, Add	*10.17*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	35.42	
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	36.92	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	39.93	
		For Work In Restricted Working Space, Add	*11.98*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	42.95	
		For Work In Restricted Working Space, Add	*12.89*	

22 11 16 00-0383 Galvanized Malleable Iron Welded Plain End Half Coupling *(22 11 16 00-0013)*

Note: Threaded Female x Butt Weld Straight Adapter

22 11 16 00-0384	EA	1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	40.39	25.24
		For 300 Lb. Rating, Add	*10.87*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*11.36*	
22 11 16 00-0385	EA	3/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	47.65	29.33
		For 300 Lb. Rating, Add	*15.02*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*13.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0386	EA	1" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	52.03	31.38
		For 300 Lb. Rating, Add	*19.79*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*14.11*	
22 11 16 00-0387	EA	1-1/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	62.55	35.68
		For 300 Lb. Rating, Add	*33.91*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*16.06*	
22 11 16 00-0388	EA	1-1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	70.40	38.93
		For 300 Lb. Rating, Add	*44.34*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*17.52*	
22 11 16 00-0389	EA	2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	91.61	50.35
		For 300 Lb. Rating, Add	*59.44*	
		For ASTM 120, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*22.64*	

22 11 16 00-0390 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0921 for pipe with fittings assembly.

22 11 16 00-0391 Copper Tube/Pipe *(22 11 16 00-0390)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0392 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0391)*

22 11 16 00-0393	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	4.35	1.70
		For Medical/Oxygen Service Tubing, Add	*0.14*	
		For Up To 20, Add	*0.48*	
		For >200, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.76*	
22 11 16 00-0394	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	5.29	1.77
		For Medical/Oxygen Service Tubing, Add	*0.21*	
		For Up To 20, Add	*0.60*	
		For >200, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*0.80*	
22 11 16 00-0395	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	5.91	1.84
		For Medical/Oxygen Service Tubing, Add	*0.25*	
		For Up To 20, Add	*0.67*	
		For >200, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0396	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	8.05	1.95
		For Medical/Oxygen Service Tubing, Add	*0.41*	
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*0.88*	
22 11 16 00-0397	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	10.70	2.19
		For Medical/Oxygen Service Tubing, Add	*0.59*	
		For Up To 20, Add	*1.26*	
		For >200, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*0.99*	
22 11 16 00-0398	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	15.10	3.26
		For Medical/Oxygen Service Tubing, Add	*0.82*	
		For Up To 20, Add	*1.77*	
		For >200, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0399	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	18.60	3.64
		For Medical/Oxygen Service Tubing, Add	*1.05*	
		For Up To 20, Add	*2.19*	
		For >200, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*1.64*	
22 11 16 00-0400	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	27.52	4.49
		For Medical/Oxygen Service Tubing, Add	*1.66*	
		For Up To 20, Add	*3.27*	
		For >200, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*2.02*	
22 11 16 00-0401	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	45.91	5.29
		For Medical/Oxygen Service Tubing, Add	*2.40*	
		For Up To 20, Add	*5.34*	
		For >200, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0402	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	58.73	6.22
		For Medical/Oxygen Service Tubing, Add	*3.20*	
		For Up To 20, Add	*6.87*	
		For >200, Deduct	*-4.01*	
		For Work In Restricted Working Space, Add	*5.60*	
22 11 16 00-0403	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	92.47	7.03
		For Medical/Oxygen Service Tubing, Add	*5.71*	
		For Up To 20, Add	*11.03*	
		For >200, Deduct	*-7.14*	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0404	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	150.30	8.07
		For Medical/Oxygen Service Tubing, Add	*10.09*	
		For Up To 20, Add	*18.18*	
		For >200, Deduct	*-12.61*	
		For Work In Restricted Working Space, Add	*7.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0405	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	203.39	12.51
		For Medical/Oxygen Service Tubing, Add	*13.27*	
		For Up To 20, Add	*24.49*	
		For >200, Deduct	*-16.59*	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0406	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	354.33	13.90
		For Medical/Oxygen Service Tubing, Add	*25.01*	
		For Up To 20, Add	*43.25*	
		For >200, Deduct	*-31.26*	
		For Work In Restricted Working Space, Add	*12.51*	
22 11 16 00-0407		Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0391)*		
22 11 16 00-0408	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	4.76	1.82
		For Medical/Oxygen Service Tubing, Add	*0.16*	
		For Up To 20, Add	*0.53*	
		For >200, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*0.82*	
22 11 16 00-0409	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	6.77	1.90
		For Medical/Oxygen Service Tubing, Add	*0.29*	
		For Up To 20, Add	*0.77*	
		For >200, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0410	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	7.34	1.97
		For Medical/Oxygen Service Tubing, Add	*0.34*	
		For Up To 20, Add	*0.84*	
		For >200, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0411	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	11.26	2.09
		For Medical/Oxygen Service Tubing, Add	*0.62*	
		For Up To 20, Add	*1.32*	
		For >200, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*1.06*	
22 11 16 00-0412	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	14.02	2.36
		For Medical/Oxygen Service Tubing, Add	*0.82*	
		For Up To 20, Add	*1.66*	
		For >200, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*1.13*	
22 11 16 00-0413	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	18.09	3.51
		For Medical/Oxygen Service Tubing, Add	*1.02*	
		For Up To 20, Add	*2.13*	
		For >200, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*1.59*	
22 11 16 00-0414	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	22.35	3.91
		For Medical/Oxygen Service Tubing, Add	*1.31*	
		For Up To 20, Add	*2.64*	
		For >200, Deduct	*-1.64*	
		For Work In Restricted Working Space, Add	*1.79*	
22 11 16 00-0415	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	32.50	4.83
		For Medical/Oxygen Service Tubing, Add	*2.01*	
		For Up To 20, Add	*3.88*	
		For >200, Deduct	*-2.52*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0416	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	53.45	5.69
		For Medical/Oxygen Service Tubing, Add	*3.00*	
		For Up To 20, Add	*6.28*	
		For >200, Deduct	*-3.75*	
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-0417	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	71.81	6.69
		For Medical/Oxygen Service Tubing, Add	*4.10*	
		For Up To 20, Add	*8.46*	
		For >200, Deduct	*-5.13*	
		For Work In Restricted Working Space, Add	*6.17*	
22 11 16 00-0418	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	114.65	7.56
		For Medical/Oxygen Service Tubing, Add	*7.31*	
		For Up To 20, Add	*13.75*	
		For >200, Deduct	*-9.14*	
		For Work In Restricted Working Space, Add	*6.98*	
22 11 16 00-0419	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	194.92	8.68
		For Medical/Oxygen Service Tubing, Add	*13.40*	
		For Up To 20, Add	*23.68*	
		For >200, Deduct	*-16.74*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0420	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	284.55	13.45
		For Medical/Oxygen Service Tubing, Add	*19.22*	
		For Up To 20, Add	*34.46*	
		For >200, Deduct	*-24.02*	
		For Work In Restricted Working Space, Add	*13.29*	
22 11 16 00-0421	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	498.68	14.94
		For Medical/Oxygen Service Tubing, Add	*35.99*	
		For Up To 20, Add	*61.11*	
		For >200, Deduct	*-44.99*	
		For Work In Restricted Working Space, Add	*14.65*	
22 11 16 00-0422		Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0391)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0423	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	4.36	1.59
		For Up To 20, Add	*0.49*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*0.69*	
22 11 16 00-0424	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	4.69	1.66
		For Up To 20, Add	*0.53*	
		For >200, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.71*	
22 11 16 00-0425	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.27	1.76
		For Up To 20, Add	*0.72*	
		For >200, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*0.76*	
22 11 16 00-0426	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	8.59	1.97
		For Up To 20, Add	*1.00*	
		For >200, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*0.84*	
22 11 16 00-0427	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	12.76	2.94
		For Up To 20, Add	*1.49*	
		For >200, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0428	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	16.60	3.28
		For Up To 20, Add	*1.95*	
		For >200, Deduct	*-1.16*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0429	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	24.46	4.04
		For Up To 20, Add	*2.90*	
		For >200, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*1.85*	
22 11 16 00-0430	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	41.54	4.76
		For Up To 20, Add	*4.82*	
		For >200, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0431	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	52.13	5.60
		For Up To 20, Add	*6.10*	
		For >200, Deduct	*-3.53*	
		For Work In Restricted Working Space, Add	*5.05*	
22 11 16 00-0432	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	85.75	6.33
		For Up To 20, Add	*10.23*	
		For >200, Deduct	*-6.61*	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-0433	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	150.98	7.26
		For Up To 20, Add	*18.31*	
		For >200, Deduct	*-12.83*	
		For Work In Restricted Working Space, Add	*6.81*	
22 11 16 00-0434	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	206.55	11.26
		For Up To 20, Add	*24.94*	
		For >200, Deduct	*-17.14*	
		For Work In Restricted Working Space, Add	*10.55*	
22 11 16 00-0435	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	363.46	12.51
		For Up To 20, Add	*44.47*	
		For >200, Deduct	*-32.48*	
		For Work In Restricted Working Space, Add	*11.60*	

22 11 16 00-0436 Soft Drawn Type L Copper Tube *(22 11 16 00-0391)*

22 11 16 00-0437	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	4.87	1.70
		For Up To 20, Add	*0.55*	
		For >200, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.76*	
22 11 16 00-0438	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	6.27	1.77
		For Up To 20, Add	*0.72*	
		For >200, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*0.80*	
22 11 16 00-0439	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	7.62	1.84
		For Up To 20, Add	*0.88*	
		For >200, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0440	LF	5/8" Diameter, Soft Drawn Type L Copper Tube	9.08	1.90
		For Up To 20, Add	*1.06*	
		For >200, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*0.85*	
22 11 16 00-0441	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	10.37	1.95
		For Up To 20, Add	*1.22*	
		For >200, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*0.88*	
22 11 16 00-0442	LF	1" Diameter, Soft Drawn Type L Copper Tube	13.60	2.19
		For Up To 20, Add	*1.62*	
		For >200, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*0.99*	
22 11 16 00-0443	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	18.45	3.26
		For Up To 20, Add	*2.18*	
		For >200, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0444	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	23.84	3.64
		For Up To 20, Add	*2.84*	
		For >200, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*1.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0445	LF	2" Diameter, Soft Drawn Type L Copper Tube	35.96	4.49
		For Up To 20, Add	*4.33*	
		For >200, Deduct	*-2.92*	
		For Work In Restricted Working Space, Add	*2.02*	

22 11 16 00-0446 Soft Drawn Type K Copper Tube *(22 11 16 00-0391)*

22 11 16 00-0447	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	5.11	1.70
		For Up To 20, Add	*0.58*	
		For >200, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*0.76*	
22 11 16 00-0448	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	7.03	1.77
		For Up To 20, Add	*0.81*	
		For >200, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*0.80*	
22 11 16 00-0449	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	8.25	1.84
		For Up To 20, Add	*0.96*	
		For >200, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0450	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	9.38	1.90
		For Up To 20, Add	*1.10*	
		For >200, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*0.85*	
22 11 16 00-0451	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	13.08	1.95
		For Up To 20, Add	*1.56*	
		For >200, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*0.88*	
22 11 16 00-0452	LF	1" Diameter, Soft Drawn Type K Copper Tube	16.76	2.19
		For Up To 20, Add	*2.01*	
		For >200, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*0.99*	
22 11 16 00-0453	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	20.77	3.26
		For Up To 20, Add	*2.47*	
		For >200, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0454	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	27.53	3.64
		For Up To 20, Add	*3.30*	
		For >200, Deduct	*-2.21*	
		For Work In Restricted Working Space, Add	*1.64*	
22 11 16 00-0455	LF	2" Diameter, Soft Drawn Type K Copper Tube	41.03	4.49
		For Up To 20, Add	*4.96*	
		For >200, Deduct	*-3.43*	
		For Work In Restricted Working Space, Add	*2.02*	
22 11 16 00-0456	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	59.52	5.38
		For Up To 20, Add	*7.24*	
		For >200, Deduct	*-5.14*	
		For Work In Restricted Working Space, Add	*2.42*	
22 11 16 00-0457	LF	3" Diameter, Soft Drawn Type K Copper Tube	81.10	6.35
		For Up To 20, Add	*9.90*	
		For >200, Deduct	*-7.16*	
		For Work In Restricted Working Space, Add	*2.86*	

22 11 16 00-0458 Copper And Brass Fittings *(22 11 16 00-0390)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0459 90 Degree Copper Elbows *(22 11 16 00-0458)*

22 11 16 00-0460	EA	1/4" Diameter, 90 Degree Copper Elbow	18.52	10.05
		For Silver Solder Instead Of 95/5 Solder, Add	*2.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.26*	
		For Street Fitting, Add	*1.38*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0461	EA	3/8" Diameter, 90 Degree Copper Elbow	21.74	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*2.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Street Fitting, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0462	EA	1/2" Diameter, 90 Degree Copper Elbow	26.04	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*3.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Street Fitting, Add	*0.47*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0463	EA	3/4" Diameter, 90 Degree Copper Elbow	33.56	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*4.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Street Fitting, Add	*1.06*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0464	EA	1" Diameter, 90 Degree Copper Elbow	43.43	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*5.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Street Fitting, Add	*2.60*	
		For Work In Restricted Working Space, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0465	EA	1-1/4" Diameter, 90 Degree Copper Elbow	49.67	26.67
		For Silver Solder Instead Of 95/5 Solder, Add	*6.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.99*	
		For Street Fitting, Add	*3.89*	
		For Work In Restricted Working Space, Add	*11.98*	
22 11 16 00-0466	EA	1-1/2" Diameter, 90 Degree Copper Elbow	58.93	29.16
		For Silver Solder Instead Of 95/5 Solder, Add	*7.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.56*	
		For Street Fitting, Add	*6.09*	
		For Work In Restricted Working Space, Add	*13.11*	
22 11 16 00-0467	EA	2" Diameter, 90 Degree Copper Elbow	76.74	32.71
		For Silver Solder Instead Of 95/5 Solder, Add	*8.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.35*	
		For Street Fitting, Add	*11.10*	
		For Work In Restricted Working Space, Add	*14.69*	
22 11 16 00-0468	EA	2-1/2" Diameter, 90 Degree Copper Elbow	112.98	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*10.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0469	EA	3" Diameter, 90 Degree Copper Elbow	148.55	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*13.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	
22 11 16 00-0470	EA	4" Diameter, 90 Degree Copper Elbow	300.24	56.53
		For Silver Solder Instead Of 95/5 Solder, Add	*23.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.71*	
		For Work In Restricted Working Space, Add	*25.42*	
22 11 16 00-0471	EA	5" Diameter, 90 Degree Copper Elbow	1,018.82	77.36
		For Silver Solder Instead Of 95/5 Solder, Add	*62.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-56.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.40*	
		For Work In Restricted Working Space, Add	*34.79*	
22 11 16 00-0472	EA	6" Diameter, 90 Degree Copper Elbow	1,372.31	112.58
		For Silver Solder Instead Of 95/5 Solder, Add	*85.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-77.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.31*	
		For Work In Restricted Working Space, Add	*50.63*	
22 11 16 00-0473	EA	8" Diameter, 90 Degree Copper Elbow	4,677.56	150.08
		For Silver Solder Instead Of 95/5 Solder, Add	*256.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-245.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*33.75*	
		For Work In Restricted Working Space, Add	*67.50*	

22 11 16 00-0474 90 Degree Brass Elbows *(22 11 16 00-0458)*

22 11 16 00-0475	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	32.29	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*4.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0476	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	52.57	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0477	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	38.41	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*4.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0478	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	29.21	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*3.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0479	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	32.82	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*4.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0480	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	44.91	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0481	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	81.65	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*7.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0482		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0458)*		
22 11 16 00-0483	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	34.46	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*4.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0484	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	37.71	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*4.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0485	EA	1" Diameter, Reducing 90 Degree Copper Elbow	49.42	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*6.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0486	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	71.78	26.67
		For Silver Solder Instead Of 95/5 Solder, Add	*7.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.99*	
		For Work In Restricted Working Space, Add	*11.98*	
22 11 16 00-0487	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	85.53	29.16
		For Silver Solder Instead Of 95/5 Solder, Add	*8.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.56*	
		For Work In Restricted Working Space, Add	*13.11*	
22 11 16 00-0488	EA	2" Diameter, Reducing 90 Degree Copper Elbow	105.28	32.71
		For Silver Solder Instead Of 95/5 Solder, Add	*10.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.35*	
		For Work In Restricted Working Space, Add	*14.69*	
22 11 16 00-0489		**45 Degree Copper Elbows** *(22 11 16 00-0458)*		
22 11 16 00-0490	EA	1/4" Diameter, 45 Degree Copper Elbow	21.52	10.05
		For Silver Solder Instead Of 95/5 Solder, Add	*2.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.26*	
		For Street Fitting, Add	*2.58*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0491	EA	3/8" Diameter, 45 Degree Copper Elbow	23.62	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*2.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Street Fitting, Add	*2.21*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0492	EA	1/2" Diameter, 45 Degree Copper Elbow	27.03	16.58
		For Silver Solder Instead Of 95/5 Solder, Add	*3.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Street Fitting, Add	*0.87*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0493	EA	3/4" Diameter, 45 Degree Copper Elbow	34.62	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*4.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Street Fitting, Add	*1.49*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0494	EA	1" Diameter, 45 Degree Copper Elbow	46.19	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*6.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Street Fitting, Add	*3.71*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0495	EA	1-1/4" Diameter, 45 Degree Copper Elbow	52.50	26.67
		For Silver Solder Instead Of 95/5 Solder, Add	*6.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.99*	
		For Street Fitting, Add	*5.02*	
		For Work In Restricted Working Space, Add	*11.98*	
22 11 16 00-0496	EA	1-1/2" Diameter, 45 Degree Copper Elbow	59.12	29.16
		For Silver Solder Instead Of 95/5 Solder, Add	*7.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.56*	
		For Street Fitting, Add	*6.17*	
		For Work In Restricted Working Space, Add	*13.11*	
22 11 16 00-0497	EA	2" Diameter, 45 Degree Copper Elbow	74.70	32.71
		For Silver Solder Instead Of 95/5 Solder, Add	*8.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.35*	
		For Work In Restricted Working Space, Add	*14.69*	
22 11 16 00-0498	EA	2-1/2" Diameter, 45 Degree Copper Elbow	112.22	33.33
		For Silver Solder Instead Of 95/5 Solder, Add	*10.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0499	EA	3" Diameter, 45 Degree Copper Elbow	152.05	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*13.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	
22 11 16 00-0500	EA	4" Diameter, 45 Degree Copper Elbow	281.59	56.53
		For Silver Solder Instead Of 95/5 Solder, Add	*22.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.71*	
		For Work In Restricted Working Space, Add	*25.42*	
22 11 16 00-0501	EA	5" Diameter, 45 Degree Copper Elbow	878.39	77.36
		For Silver Solder Instead Of 95/5 Solder, Add	*55.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.40*	
		For Work In Restricted Working Space, Add	*34.79*	
22 11 16 00-0502	EA	6" Diameter, 45 Degree Copper Elbow	1,370.25	112.58
		For Silver Solder Instead Of 95/5 Solder, Add	*85.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-76.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.31*	
		For Work In Restricted Working Space, Add	*50.63*	
22 11 16 00-0503	EA	8" Diameter, 45 Degree Copper Elbow	4,307.66	150.08
		For Silver Solder Instead Of 95/5 Solder, Add	*237.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-226.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*33.75*	
		For Work In Restricted Working Space, Add	*67.50*	

22 11 16 00-0504 Straight Copper And Brass Tees *(22 11 16 00-0458)*

22 11 16 00-0505	EA	1/4" Diameter, Straight Copper Tee	29.85	15.07
		For Silver Solder Instead Of 95/5 Solder, Add	*3.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0506	EA	3/8" Diameter, Straight Copper Tee	32.95	18.09
		For Silver Solder Instead Of 95/5 Solder, Add	*4.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.07*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0507	EA	1/2" Diameter, Straight Copper Tee	39.71	25.17
		For Silver Solder Instead Of 95/5 Solder, Add	*5.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0508	EA	3/4" Diameter, Straight Copper Tee	51.59	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.01*	
		For Work In Restricted Working Space, Add	*14.02*	
22 11 16 00-0509	EA	1" Diameter, Straight Copper Tee	70.40	37.23
		For Silver Solder Instead Of 95/5 Solder, Add	*9.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.36*	
		For Work In Restricted Working Space, Add	*16.73*	
22 11 16 00-0510	EA	1-1/4" Diameter, Straight Copper Tee	80.67	40.23
		For Silver Solder Instead Of 95/5 Solder, Add	*10.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.04*	
		For Work In Restricted Working Space, Add	*18.08*	
22 11 16 00-0511	EA	1-1/2" Diameter, Straight Copper Tee	96.40	43.70
		For Silver Solder Instead Of 95/5 Solder, Add	*11.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.83*	
		For Work In Restricted Working Space, Add	*19.67*	
22 11 16 00-0512	EA	2" Diameter, Straight Copper Tee	122.88	49.28
		For Silver Solder Instead Of 95/5 Solder, Add	*13.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.08*	
		For Work In Restricted Working Space, Add	*22.15*	
22 11 16 00-0513	EA	2-1/2" Diameter, Straight Copper Tee	187.27	50.00
		For Silver Solder Instead Of 95/5 Solder, Add	*16.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.50*	
22 11 16 00-0514	EA	3" Diameter, Straight Copper Tee	261.80	60.22
		For Silver Solder Instead Of 95/5 Solder, Add	*22.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.54*	
		For Work In Restricted Working Space, Add	*27.08*	
22 11 16 00-0515	EA	4" Diameter, Straight Copper Tee	541.50	84.31
		For Silver Solder Instead Of 95/5 Solder, Add	*39.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.96*	
		For Work In Restricted Working Space, Add	*37.92*	
22 11 16 00-0516	EA	5" Diameter, Straight Copper Tee	1,529.93	115.35
		For Silver Solder Instead Of 95/5 Solder, Add	*93.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-85.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.94*	
		For Work In Restricted Working Space, Add	*51.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0517	EA	6" Diameter, Straight Copper Tee	2,108.48	169.11
		For Silver Solder Instead Of 95/5 Solder, Add	*130.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-118.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*38.02*	
		For Work In Restricted Working Space, Add	*76.04*	
22 11 16 00-0518	EA	8" Diameter, Straight Copper Tee	7,493.11	225.16
		For Silver Solder Instead Of 95/5 Solder, Add	*408.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-391.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*50.63*	
		For Work In Restricted Working Space, Add	*101.26*	
22 11 16 00-0519	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	50.20	25.17
		For Silver Solder Instead Of 95/5 Solder, Add	*6.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	

22 11 16 00-0520 Reducing Copper Tees *(22 11 16 00-0458)*

22 11 16 00-0521	EA	3/8" Diameter, Reducing Copper Tee	35.62	16.05
		For Silver Solder Instead Of 95/5 Solder, Add	*4.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.62*	
		For Work In Restricted Working Space, Add	*7.23*	
22 11 16 00-0522	EA	1/2" Diameter, Reducing Copper Tee	44.03	22.61
		For Silver Solder Instead Of 95/5 Solder, Add	*5.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.17*	
22 11 16 00-0523	EA	3/4" Diameter, Reducing Copper Tee	48.86	29.16
		For Silver Solder Instead Of 95/5 Solder, Add	*6.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.56*	
		For Work In Restricted Working Space, Add	*13.11*	
22 11 16 00-0524	EA	1" Diameter, Reducing Copper Tee	69.15	35.18
		For Silver Solder Instead Of 95/5 Solder, Add	*8.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.91*	
		For Work In Restricted Working Space, Add	*15.82*	
22 11 16 00-0525	EA	1-1/4" Diameter, Reducing Copper Tee	82.16	38.20
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.59*	
		For Work In Restricted Working Space, Add	*17.18*	
22 11 16 00-0526	EA	1-1/2" Diameter, Reducing Copper Tee	97.73	41.75
		For Silver Solder Instead Of 95/5 Solder, Add	*11.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.38*	
		For Work In Restricted Working Space, Add	*18.76*	
22 11 16 00-0527	EA	2" Diameter, Reducing Copper Tee	120.96	46.72
		For Silver Solder Instead Of 95/5 Solder, Add	*13.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Work In Restricted Working Space, Add	*21.02*	
22 11 16 00-0528	EA	2-1/2" Diameter, Reducing Copper Tee	195.22	48.19
		For Silver Solder Instead Of 95/5 Solder, Add	*16.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.83*	
		For Work In Restricted Working Space, Add	*21.67*	
22 11 16 00-0529	EA	3" Diameter, Reducing Copper Tee	285.29	55.56
		For Silver Solder Instead Of 95/5 Solder, Add	*22.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.50*	
		For Work In Restricted Working Space, Add	*25.00*	
22 11 16 00-0530	EA	4" Diameter, Reducing Copper Tee	527.94	68.55
		For Silver Solder Instead Of 95/5 Solder, Add	*36.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-31.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.42*	
		For Work In Restricted Working Space, Add	*30.83*	

22 11 16 00-0531 Copper Couplings *(22 11 16 00-0458)*

22 11 16 00-0532	EA	1/4" Diameter, Copper Coupling	13.20	8.36
		For Silver Solder Instead Of 95/5 Solder, Add	*1.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.88*	
		For Work In Restricted Working Space, Add	*3.75*	
22 11 16 00-0533	EA	3/8" Diameter, Copper Coupling	15.93	10.02
		For Silver Solder Instead Of 95/5 Solder, Add	*2.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.25*	
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0534	EA	1/2" Diameter, Copper Coupling	21.40	13.72
		For Silver Solder Instead Of 95/5 Solder, Add	*3.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.10*	
		For Work In Restricted Working Space, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0535	EA	3/4" Diameter, Copper Coupling	27.19	17.10
		For Silver Solder Instead Of 95/5 Solder, Add	*3.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.85*	
		For Work In Restricted Working Space, Add	*7.69*	
22 11 16 00-0536	EA	1" Diameter, Copper Coupling	33.70	20.42
		For Silver Solder Instead Of 95/5 Solder, Add	*4.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.60*	
		For Work In Restricted Working Space, Add	*9.19*	
22 11 16 00-0537	EA	1-1/4" Diameter, Copper Coupling	38.53	22.08
		For Silver Solder Instead Of 95/5 Solder, Add	*5.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.97*	
		For Work In Restricted Working Space, Add	*9.94*	
22 11 16 00-0538	EA	1-1/2" Diameter, Copper Coupling	43.41	24.19
		For Silver Solder Instead Of 95/5 Solder, Add	*5.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.44*	
		For Work In Restricted Working Space, Add	*10.88*	
22 11 16 00-0539	EA	2" Diameter, Copper Coupling	52.52	27.05
		For Silver Solder Instead Of 95/5 Solder, Add	*6.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0540	EA	2-1/2" Diameter, Copper Coupling	69.35	27.36
		For Silver Solder Instead Of 95/5 Solder, Add	*7.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.17*	
		For Work In Restricted Working Space, Add	*12.33*	
22 11 16 00-0541	EA	3" Diameter, Copper Coupling	89.31	33.89
		For Silver Solder Instead Of 95/5 Solder, Add	*9.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.63*	
		For Work In Restricted Working Space, Add	*15.26*	
22 11 16 00-0542	EA	4" Diameter, Copper Coupling	156.76	47.99
		For Silver Solder Instead Of 95/5 Solder, Add	*15.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.81*	
		For Work In Restricted Working Space, Add	*21.63*	
22 11 16 00-0543	EA	5" Diameter, Copper Coupling	280.85	69.52
		For Silver Solder Instead Of 95/5 Solder, Add	*24.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.66*	
		For Work In Restricted Working Space, Add	*31.31*	
22 11 16 00-0544	EA	6" Diameter, Copper Coupling	443.50	101.19
		For Silver Solder Instead Of 95/5 Solder, Add	*37.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.78*	
		For Work In Restricted Working Space, Add	*45.56*	
22 11 16 00-0545	EA	8" Diameter, Copper Coupling	1,147.82	134.86
		For Silver Solder Instead Of 95/5 Solder, Add	*77.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-67.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.38*	
		For Work In Restricted Working Space, Add	*60.75*	

22 11 16 00-0546 Reducing Copper Couplings *(22 11 16 00-0458)*

22 11 16 00-0547	EA	3/8" Diameter, Reducing Copper Coupling	15.27	9.19
		For Silver Solder Instead Of 95/5 Solder, Add	*2.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.06*	
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-0548	EA	1/2" Diameter, Reducing Copper Coupling	19.41	11.91
		For Silver Solder Instead Of 95/5 Solder, Add	*2.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.67*	
		For Work In Restricted Working Space, Add	*5.35*	
22 11 16 00-0549	EA	3/4" Diameter, Reducing Copper Coupling	25.87	15.44
		For Silver Solder Instead Of 95/5 Solder, Add	*3.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.47*	
		For Work In Restricted Working Space, Add	*6.94*	
22 11 16 00-0550	EA	1" Diameter, Reducing Copper Coupling	33.07	18.77
		For Silver Solder Instead Of 95/5 Solder, Add	*4.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.22*	
		For Work In Restricted Working Space, Add	*8.44*	
22 11 16 00-0551	EA	1-1/4" Diameter, Reducing Copper Coupling	38.76	21.25
		For Silver Solder Instead Of 95/5 Solder, Add	*5.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.78*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0552	EA	1-1/2" Diameter, Reducing Copper Coupling	46.10	23.13
		For Silver Solder Instead Of 95/5 Solder, Add	*5.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.21*	
		For Work In Restricted Working Space, Add	*10.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0553	EA	2" Diameter, Reducing Copper Coupling	56.07	25.62
		For Silver Solder Instead Of 95/5 Solder, Add	*6.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.77*	
		For Work In Restricted Working Space, Add	*11.54*	
22 11 16 00-0554	EA	2-1/2" Diameter, Reducing Copper Coupling	81.19	26.18
		For Silver Solder Instead Of 95/5 Solder, Add	*7.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.89*	
		For Work In Restricted Working Space, Add	*11.79*	
22 11 16 00-0555	EA	3" Diameter, Reducing Copper Coupling	97.79	30.63
		For Silver Solder Instead Of 95/5 Solder, Add	*9.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.90*	
		For Work In Restricted Working Space, Add	*13.80*	
22 11 16 00-0556	EA	4" Diameter, Reducing Copper Coupling	164.32	40.97
		For Silver Solder Instead Of 95/5 Solder, Add	*14.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.22*	
		For Work In Restricted Working Space, Add	*18.45*	
22 11 16 00-0557	EA	5" Diameter, Reducing Copper Coupling	488.18	57.37
		For Silver Solder Instead Of 95/5 Solder, Add	*33.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.91*	
		For Work In Restricted Working Space, Add	*25.82*	
22 11 16 00-0558	EA	6" Diameter, Reducing Copper Coupling	732.50	73.13
		For Silver Solder Instead Of 95/5 Solder, Add	*47.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.47*	
		For Work In Restricted Working Space, Add	*32.95*	
22 11 16 00-0559	EA	8" Diameter, Reducing Copper Coupling	1,497.11	117.93
		For Silver Solder Instead Of 95/5 Solder, Add	*92.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-83.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.57*	
		For Work In Restricted Working Space, Add	*53.13*	

22 11 16 00-0560 Male Copper Adapters *(22 11 16 00-0458)*

22 11 16 00-0561	EA	1/4" Diameter, Male Copper Adapter	27.27	9.79
		For Silver Solder Instead Of 95/5 Solder, Add	*2.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0562	EA	3/8" Diameter, Male Copper Adapter	24.17	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*3.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0563	EA	1/2" Diameter, Male Copper Adapter	25.08	15.07
		For Silver Solder Instead Of 95/5 Solder, Add	*3.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0564	EA	3/4" Diameter, Male Copper Adapter	32.06	18.84
		For Silver Solder Instead Of 95/5 Solder, Add	*4.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.18*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0565	EA	1" Diameter, Male Copper Adapter	43.02	21.85
		For Silver Solder Instead Of 95/5 Solder, Add	*5.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.86*	
		For Work In Restricted Working Space, Add	*9.72*	
22 11 16 00-0566	EA	1-1/4" Diameter, Male Copper Adapter	53.13	24.86
		For Silver Solder Instead Of 95/5 Solder, Add	*6.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0567	EA	1-1/2" Diameter, Male Copper Adapter	61.04	28.63
		For Silver Solder Instead Of 95/5 Solder, Add	*7.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.44*	
		For Work In Restricted Working Space, Add	*12.89*	
22 11 16 00-0568	EA	2" Diameter, Male Copper Adapter	85.63	36.55
		For Silver Solder Instead Of 95/5 Solder, Add	*9.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.25*	
		For Work In Restricted Working Space, Add	*16.50*	
22 11 16 00-0569	EA	2-1/2" Diameter, Male Copper Adapter	183.51	47.47
		For Silver Solder Instead Of 95/5 Solder, Add	*16.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.62*	
		For Work In Restricted Working Space, Add	*21.25*	
22 11 16 00-0570	EA	3" Diameter, Male Copper Adapter	243.63	63.37
		For Silver Solder Instead Of 95/5 Solder, Add	*21.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.17*	
		For Work In Restricted Working Space, Add	*28.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0571	EA	4" Diameter, Male Copper Adapter	371.91	88.90
		For Silver Solder Instead Of 95/5 Solder, Add	*31.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.00*	
		For Work In Restricted Working Space, Add	*40.00*	

22 11 16 00-0572 Female Copper Adapters *(22 11 16 00-0458)*

22 11 16 00-0573	EA	1/4" Diameter, Female Copper Adapter	22.86	9.79
		For Silver Solder Instead Of 95/5 Solder, Add	*2.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0574	EA	3/8" Diameter, Female Copper Adapter	26.25	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*3.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0575	EA	1/2" Diameter, Female Copper Adapter	26.56	15.07
		For Silver Solder Instead Of 95/5 Solder, Add	*3.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.39*	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0576	EA	3/4" Diameter, Female Copper Adapter	33.27	18.84
		For Silver Solder Instead Of 95/5 Solder, Add	*4.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.18*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0577	EA	1" Diameter, Female Copper Adapter	44.73	21.85
		For Silver Solder Instead Of 95/5 Solder, Add	*5.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.86*	
		For Work In Restricted Working Space, Add	*9.72*	
22 11 16 00-0578	EA	1-1/4" Diameter, Female Copper Adapter	55.76	24.86
		For Silver Solder Instead Of 95/5 Solder, Add	*6.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0579	EA	1-1/2" Diameter, Female Copper Adapter	71.27	28.63
		For Silver Solder Instead Of 95/5 Solder, Add	*7.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.44*	
		For Work In Restricted Working Space, Add	*12.89*	
22 11 16 00-0580	EA	2" Diameter, Female Copper Adapter	93.42	36.55
		For Silver Solder Instead Of 95/5 Solder, Add	*10.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.25*	
		For Work In Restricted Working Space, Add	*16.50*	
22 11 16 00-0581	EA	2-1/2" Diameter, Female Copper Adapter	224.28	43.75
		For Silver Solder Instead Of 95/5 Solder, Add	*17.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.79*	
		For Work In Restricted Working Space, Add	*19.58*	
22 11 16 00-0582	EA	3" Diameter, Female Copper Adapter	362.29	63.37
		For Silver Solder Instead Of 95/5 Solder, Add	*27.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.17*	
		For Work In Restricted Working Space, Add	*28.34*	

22 11 16 00-0583 Wrot Copper, Solder Union *(22 11 16 00-0458)*

22 11 16 00-0584	EA	1/4" Diameter, Wrot Copper, Solder Union	36.85	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*3.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0585	EA	3/8" Diameter, Wrot Copper, Solder Union	41.18	14.54
		For Silver Solder Instead Of 95/5 Solder, Add	*4.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.56*	
22 11 16 00-0586	EA	1/2" Diameter, Wrot Copper, Solder Union	39.07	18.09
		For Silver Solder Instead Of 95/5 Solder, Add	*4.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.07*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0587	EA	3/4" Diameter, Wrot Copper, Solder Union	45.59	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0588	EA	1" Diameter, Wrot Copper, Solder Union	62.16	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*6.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0589	EA	1-1/4" Diameter, Wrot Copper, Solder Union	77.24	27.13
		For Silver Solder Instead Of 95/5 Solder, Add	*7.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0590	EA	1-1/2" Diameter, Wrot Copper, Solder Union	96.75	30.14
		For Silver Solder Instead Of 95/5 Solder, Add	*9.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.78*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0591	EA	2" Diameter, Wrot Copper, Solder Union	142.12	36.17
		For Silver Solder Instead Of 95/5 Solder, Add	*12.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.14*	
		For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0592	EA	2-1/2" Diameter, Wrot Copper, Solder Union	299.32	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*20.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	
22 11 16 00-0593	EA	3" Diameter, Wrot Copper, Solder Union	704.72	56.53
		For Silver Solder Instead Of 95/5 Solder, Add	*43.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.71*	
		For Work In Restricted Working Space, Add	*25.42*	

22 11 16 00-0594 Cast Bronze, Solder Union *(22 11 16 00-0458)*

22 11 16 00-0595	EA	1/4" Diameter, Cast Bronze, Solder Union	43.76	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0596	EA	3/8" Diameter, Cast Bronze, Solder Union	47.70	14.54
		For Silver Solder Instead Of 95/5 Solder, Add	*4.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.56*	
22 11 16 00-0597	EA	1/2" Diameter, Cast Bronze, Solder Union	40.89	18.09
		For Silver Solder Instead Of 95/5 Solder, Add	*4.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.07*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0598	EA	3/4" Diameter, Cast Bronze, Solder Union	48.16	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0599	EA	1" Diameter, Cast Bronze, Solder Union	66.62	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*7.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0600	EA	1-1/4" Diameter, Cast Bronze, Solder Union	89.43	27.13
		For Silver Solder Instead Of 95/5 Solder, Add	*8.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0601	EA	1-1/2" Diameter, Cast Bronze, Solder Union	109.46	30.14
		For Silver Solder Instead Of 95/5 Solder, Add	*9.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.78*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0602	EA	2" Diameter, Cast Bronze, Solder Union	163.76	36.17
		For Silver Solder Instead Of 95/5 Solder, Add	*13.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.14*	
		For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0603	EA	2-1/2" Diameter, Cast Bronze, Solder Union	299.30	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*20.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	
22 11 16 00-0604	EA	3" Diameter, Cast Bronze, Solder Union	704.72	56.53
		For Silver Solder Instead Of 95/5 Solder, Add	*43.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.71*	
		For Work In Restricted Working Space, Add	*25.42*	

22 11 16 00-0605 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0606	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	53.10	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0607	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	58.08	14.54
		For Silver Solder Instead Of 95/5 Solder, Add	*5.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.56*	
22 11 16 00-0608	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	55.90	18.09
		For Silver Solder Instead Of 95/5 Solder, Add	*5.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.07*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0609	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	70.12	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*6.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0610	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	118.50	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*9.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0611	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	192.73	27.13
		For Silver Solder Instead Of 95/5 Solder, Add	*13.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0612	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	237.82	30.14
		For Silver Solder Instead Of 95/5 Solder, Add	*16.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.78*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0613	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	380.30	36.17
		For Silver Solder Instead Of 95/5 Solder, Add	*24.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.14*	
		For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0614	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	677.79	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*39.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-36.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	

22 11 16 00-0615 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0616	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	44.76	12.06
		For Silver Solder Instead Of 95/5 Solder, Add	*4.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.71*	
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-0617	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	52.98	14.54
		For Silver Solder Instead Of 95/5 Solder, Add	*4.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.56*	
22 11 16 00-0618	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	49.84	18.09
		For Silver Solder Instead Of 95/5 Solder, Add	*5.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.07*	
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0619	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	64.99	20.65
		For Silver Solder Instead Of 95/5 Solder, Add	*6.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	
22 11 16 00-0620	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	120.85	24.64
		For Silver Solder Instead Of 95/5 Solder, Add	*9.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.54*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0621	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	144.81	27.13
		For Silver Solder Instead Of 95/5 Solder, Add	*11.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.10*	
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0622	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	154.57	30.14
		For Silver Solder Instead Of 95/5 Solder, Add	*12.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.78*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0623	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	222.24	36.17
		For Silver Solder Instead Of 95/5 Solder, Add	*16.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.14*	
		For Work In Restricted Working Space, Add	*16.28*	
22 11 16 00-0624	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	552.00	39.86
		For Silver Solder Instead Of 95/5 Solder, Add	*33.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0625		**Copper Caps** *(22 11 16 00-0458)*		
22 11 16 00-0626	EA	1/4" Diameter, Copper Cap	6.02	3.31
		For Silver Solder Instead Of 95/5 Solder, Add	*0.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.75*	
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-0627	EA	3/8" Diameter, Copper Cap	7.64	3.92
		For Silver Solder Instead Of 95/5 Solder, Add	*0.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.89*	
		For Work In Restricted Working Space, Add	*1.79*	
22 11 16 00-0628	EA	1/2" Diameter, Copper Cap	9.07	5.43
		For Silver Solder Instead Of 95/5 Solder, Add	*1.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.23*	
		For Work In Restricted Working Space, Add	*2.46*	
22 11 16 00-0629	EA	3/4" Diameter, Copper Cap	11.80	6.71
		For Silver Solder Instead Of 95/5 Solder, Add	*1.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.53*	
		For Work In Restricted Working Space, Add	*3.06*	
22 11 16 00-0630	EA	1" Diameter, Copper Cap	15.96	8.07
		For Silver Solder Instead Of 95/5 Solder, Add	*2.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.83*	
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-0631	EA	1-1/4" Diameter, Copper Cap	18.24	8.67
		For Silver Solder Instead Of 95/5 Solder, Add	*2.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.98*	
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0632	EA	1-1/2" Diameter, Copper Cap	21.79	9.49
		For Silver Solder Instead Of 95/5 Solder, Add	*2.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.16*	
		For Work In Restricted Working Space, Add	*4.33*	
22 11 16 00-0633	EA	2" Diameter, Copper Cap	28.52	9.87
		For Silver Solder Instead Of 95/5 Solder, Add	*2.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.24*	
		For Work In Restricted Working Space, Add	*4.47*	
22 11 16 00-0634	EA	2-1/2" Diameter, Copper Cap	64.70	11.52
		For Silver Solder Instead Of 95/5 Solder, Add	*4.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.63*	
		For Work In Restricted Working Space, Add	*5.25*	
22 11 16 00-0635	EA	3" Diameter, Copper Cap	89.99	14.79
		For Silver Solder Instead Of 95/5 Solder, Add	*6.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.36*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0636	EA	4" Diameter, Copper Cap	161.45	22.37
		For Silver Solder Instead Of 95/5 Solder, Add	*11.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.08*	
		For Work In Restricted Working Space, Add	*10.17*	
22 11 16 00-0637	EA	5" Diameter, Cast Bronze Cap	948.87	34.45
		For Silver Solder Instead Of 95/5 Solder, Add	*52.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.83*	
		For Work In Restricted Working Space, Add	*15.66*	
22 11 16 00-0638	EA	6" Diameter, Cast Bronze Cap	1,862.44	50.15
		For Silver Solder Instead Of 95/5 Solder, Add	*100.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-96.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.39*	
		For Work In Restricted Working Space, Add	*22.78*	
22 11 16 00-0639	EA	8" Diameter, Cast Bronze Cap	2,368.60	66.81
		For Silver Solder Instead Of 95/5 Solder, Add	*128.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-123.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.19*	
		For Work In Restricted Working Space, Add	*30.38*	
22 11 16 00-0640		**Copper Crosses** *(22 11 16 00-0458)*		
22 11 16 00-0641	EA	1/2" Diameter, Copper Cross	59.40	30.56
		For Silver Solder Instead Of 95/5 Solder, Add	*7.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.87*	
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-0642	EA	3/4" Diameter, Copper Cross	83.32	37.99
		For Silver Solder Instead Of 95/5 Solder, Add	*9.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.54*	
		For Work In Restricted Working Space, Add	*17.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0643	EA	1" Diameter, Copper Cross	112.85	45.35
		For Silver Solder Instead Of 95/5 Solder, Add	*12.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.21*	
		For Work In Restricted Working Space, Add	*20.42*	
22 11 16 00-0644	EA	1-1/4" Diameter, Copper Cross	137.99	49.10
		For Silver Solder Instead Of 95/5 Solder, Add	*14.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.04*	
		For Work In Restricted Working Space, Add	*22.08*	
22 11 16 00-0645	EA	1-1/2" Diameter, Copper Cross	172.32	53.68
		For Silver Solder Instead Of 95/5 Solder, Add	*16.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.08*	
		For Work In Restricted Working Space, Add	*24.17*	
22 11 16 00-0646	EA	2" Diameter, Copper Cross	263.63	60.22
		For Silver Solder Instead Of 95/5 Solder, Add	*22.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.54*	
		For Work In Restricted Working Space, Add	*27.08*	
22 11 16 00-0647	EA	2-1/2" Diameter, Copper Cross	499.60	66.67
		For Silver Solder Instead Of 95/5 Solder, Add	*34.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.00*	
		For Work In Restricted Working Space, Add	*30.00*	

22 11 16 00-0648 Cast Bronze Crosses *(22 11 16 00-0458)*

22 11 16 00-0649	EA	3/8" Diameter, Cast Bronze Cross	51.42	22.22
		For Silver Solder Instead Of 95/5 Solder, Add	*5.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0650	EA	1/2" Diameter, Cast Bronze Cross	62.11	30.56
		For Silver Solder Instead Of 95/5 Solder, Add	*7.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.87*	
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-0651	EA	3/4" Diameter, Cast Bronze Cross	88.59	37.99
		For Silver Solder Instead Of 95/5 Solder, Add	*10.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.54*	
		For Work In Restricted Working Space, Add	*17.09*	
22 11 16 00-0652	EA	1" Diameter, Cast Bronze Cross	121.80	45.35
		For Silver Solder Instead Of 95/5 Solder, Add	*12.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.21*	
		For Work In Restricted Working Space, Add	*20.42*	
22 11 16 00-0653	EA	1-1/4" Diameter, Cast Bronze Cross	150.86	49.10
		For Silver Solder Instead Of 95/5 Solder, Add	*14.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.04*	
		For Work In Restricted Working Space, Add	*22.08*	
22 11 16 00-0654	EA	1-1/2" Diameter, Cast Bronze Cross	190.67	53.68
		For Silver Solder Instead Of 95/5 Solder, Add	*17.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.08*	
		For Work In Restricted Working Space, Add	*24.17*	
22 11 16 00-0655	EA	2" Diameter, Cast Bronze Cross	330.98	60.22
		For Silver Solder Instead Of 95/5 Solder, Add	*25.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.54*	
		For Work In Restricted Working Space, Add	*27.08*	
22 11 16 00-0656	EA	2-1/2" Diameter, Cast Bronze Cross	579.52	66.67
		For Silver Solder Instead Of 95/5 Solder, Add	*38.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.00*	
		For Work In Restricted Working Space, Add	*30.00*	

22 11 16 00-0657 Flexible Corrugated Copper Supply Line *(22 11 16 00-0458)*

22 11 16 00-0658	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	75.36	20.65
22 11 16 00-0659	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	80.71	20.65
22 11 16 00-0660	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	65.74	20.65
22 11 16 00-0661	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	71.80	20.65
22 11 16 00-0662	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	77.15	20.65
22 11 16 00-0663	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	80.71	20.65

22 11 16 00-0664 Crimped Copper Fittings *(22 11 16 00-0390)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0665 Crimped Copper 90 Degree Elbows *(22 11 16 00-0664)*

22 11 16 00-0666	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	16.98	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0667	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	21.24	10.32
		For Work In Restricted Working Space, Add	*4.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0668	EA	1" Diameter, Crimped Copper 90 Degree Elbow	30.06	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0669	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	43.77	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0670	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	66.98	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0671	EA	2" Diameter, Crimped Copper 90 Degree Elbow	88.79	18.09
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0672	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	210.76	21.10
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0673	EA	3" Diameter, Crimped Copper 90 Degree Elbow	263.02	25.10
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0674	EA	4" Diameter, Crimped Copper 90 Degree Elbow	328.53	33.15
		For Work In Restricted Working Space, Add	*14.92*	

22 11 16 00-0675 Crimped Copper 45 Degree Elbows *(22 11 16 00-0664)*

22 11 16 00-0676	EA	1/2" Diameter, Crimped Copper 45 Degree Elbow	17.54	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0677	EA	3/4" Diameter, Crimped Copper 45 Degree Elbow	20.33	10.32
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0678	EA	1" Diameter, Crimped Copper 45 Degree Elbow	34.17	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0679	EA	1-1/4" Diameter, Crimped Copper 45 Degree Elbow	42.87	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0680	EA	1-1/2" Diameter, Crimped Copper 45 Degree Elbow	59.13	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0681	EA	2" Diameter, Crimped Copper 45 Degree Elbow	78.21	18.09
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0682	EA	2-1/2" Diameter, Crimped Copper 45 Degree Elbow	149.97	21.10
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0683	EA	3" Diameter, Crimped Copper 45 Degree Elbow	206.71	25.10
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0684	EA	4" Diameter, Crimped Copper 45 Degree Elbow	284.49	33.15
		For Work In Restricted Working Space, Add	*14.92*	

22 11 16 00-0685 Crimped Copper Straight Tees *(22 11 16 00-0664)*

22 11 16 00-0686	EA	1/2" Diameter, Crimped Copper Straight Tee	25.57	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0687	EA	3/4" Diameter, Crimped Copper Straight Tee	35.96	17.86
		For Work In Restricted Working Space, Add	*8.03*	
22 11 16 00-0688	EA	1" Diameter, Crimped Copper Straight Tee	46.37	19.81
		For Work In Restricted Working Space, Add	*8.93*	
22 11 16 00-0689	EA	1-1/4" Diameter, Crimped Copper Straight Tee	58.62	20.34
		For Work In Restricted Working Space, Add	*9.16*	
22 11 16 00-0690	EA	1-1/2" Diameter, Crimped Copper Straight Tee	89.27	23.13
		For Work In Restricted Working Space, Add	*10.40*	
22 11 16 00-0691	EA	2" Diameter, Crimped Copper Straight Tee	108.15	27.13
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0692	EA	2-1/2" Diameter, Crimped Copper Straight Tee	268.77	31.65
		For Work In Restricted Working Space, Add	*14.24*	
22 11 16 00-0693	EA	3" Diameter, Crimped Copper Straight Tee	333.12	37.67
		For Work In Restricted Working Space, Add	*16.95*	
22 11 16 00-0694	EA	4" Diameter, Crimped Copper Straight Tee	462.73	49.73
		For Work In Restricted Working Space, Add	*22.38*	

22 11 16 00-0695 Crimped Copper Reducing Tees *(22 11 16 00-0664)*

22 11 16 00-0696	EA	3/4" Diameter, Crimped Copper Reducing Tee	33.59	12.88
		For Work In Restricted Working Space, Add	*5.81*	
22 11 16 00-0697	EA	1" Diameter, Crimped Copper Reducing Tee	50.65	16.96
		For Work In Restricted Working Space, Add	*7.62*	
22 11 16 00-0698	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	53.97	18.84
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-0699	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	77.48	19.37
		For Work In Restricted Working Space, Add	*8.70*	
22 11 16 00-0700	EA	2" Diameter, Crimped Copper Reducing Tee	94.25	21.93
		For Work In Restricted Working Space, Add	*9.88*	
22 11 16 00-0701	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	297.63	24.86
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0702	EA	3" Diameter, Crimped Copper Reducing Tee	363.45	30.14
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0703	EA	4" Diameter, Crimped Copper Reducing Tee	422.34	40.16
		For Work In Restricted Working Space, Add	*18.08*	

22 11 16 00-0704 Crimped Copper Couplings *(22 11 16 00-0664)*

22 11 16 00-0705	EA	1/2" Diameter, Crimped Copper Coupling	16.64	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0706	EA	3/4" Diameter, Crimped Copper Coupling	20.11	10.32
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0707	EA	1" Diameter, Crimped Copper Coupling	27.90	12.28
		For Work In Restricted Working Space, Add	*5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0708	EA	1-1/4" Diameter, Crimped Copper Coupling	32.06	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0709	EA	1-1/2" Diameter, Crimped Copper Coupling	44.45	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0710	EA	2" Diameter, Crimped Copper Coupling	55.01	18.09
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0711	EA	2-1/2" Diameter, Crimped Copper Coupling	120.86	21.10
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0712	EA	3" Diameter, Crimped Copper Coupling	151.28	25.10
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0713	EA	4" Diameter, Crimped Copper Coupling	207.48	33.15
		For Work In Restricted Working Space, Add	*14.92*	

22 11 16 00-0714 Crimped Copper Reducing Couplings *(22 11 16 00-0664)*

22 11 16 00-0715	EA	3/4" Diameter, Crimped Copper Reducing Coupling	26.88	8.59
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0716	EA	1" Diameter, Crimped Copper Reducing Coupling	30.74	9.79
		For Work In Restricted Working Space, Add	*4.41*	
22 11 16 00-0717	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	40.89	11.68
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-0718	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	53.72	12.88
		For Work In Restricted Working Space, Add	*5.81*	
22 11 16 00-0719	EA	2" Diameter, Crimped Copper Reducing Coupling	60.16	14.32
		For Work In Restricted Working Space, Add	*6.44*	
22 11 16 00-0720	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	131.00	17.10
		For Work In Restricted Working Space, Add	*7.69*	
22 11 16 00-0721	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	164.55	20.12
		For Work In Restricted Working Space, Add	*9.04*	
22 11 16 00-0722	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	213.36	26.60
		For Work In Restricted Working Space, Add	*11.98*	

22 11 16 00-0723 Crimped Copper Male Adapters *(22 11 16 00-0664)*

22 11 16 00-0724	EA	1/2" Diameter, Crimped Copper Male Adapter	17.32	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0725	EA	3/4" Diameter, Crimped Copper Male Adapter	22.26	10.32
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0726	EA	1" Diameter, Crimped Copper Male Adapter	30.97	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0727	EA	1-1/4" Diameter, Crimped Copper Male Adapter	47.75	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0728	EA	1-1/2" Diameter, Crimped Copper Male Adapter	61.06	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0729	EA	2" Diameter, Crimped Copper Male Adapter	101.19	18.09
		For Work In Restricted Working Space, Add	*8.14*	
22 11 16 00-0730	EA	2-1/2" Diameter, Crimped Copper Male Adapter	210.76	21.10
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0731	EA	3" Diameter, Crimped Copper Male Adapter	263.02	25.10
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0732	EA	4" Diameter, Crimped Copper Male Adapter	310.58	33.15
		For Work In Restricted Working Space, Add	*14.92*	

22 11 16 00-0733 Crimped Copper Female Adapters *(22 11 16 00-0664)*

22 11 16 00-0734	EA	1/2" Diameter, Crimped Copper Female Adapter	18.11	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0735	EA	3/4" Diameter, Crimped Copper Female Adapter	22.84	10.32
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0736	EA	1" Diameter, Crimped Copper Female Adapter	32.12	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0737	EA	1-1/4" Diameter, Crimped Copper Female Adapter	51.17	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0738	EA	1-1/2" Diameter, Crimped Copper Female Adapter	67.44	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0739	EA	2" Diameter, Crimped Copper Female Adapter	103.24	18.09
		For Work In Restricted Working Space, Add	*8.14*	

22 11 16 00-0740 Crimped Copper Caps *(22 11 16 00-0664)*

22 11 16 00-0741	EA	1/2" Diameter, Crimped Copper Cap	13.38	4.52
		For Work In Restricted Working Space, Add	*2.03*	
22 11 16 00-0742	EA	3/4" Diameter, Crimped Copper Cap	19.05	5.27
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0743	EA	1" Diameter, Crimped Copper Cap	26.22	6.03
		For Work In Restricted Working Space, Add	*2.71*	
22 11 16 00-0744	EA	1-1/4" Diameter, Crimped Copper Cap	29.62	6.78
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-0745	EA	1-1/2" Diameter, Crimped Copper Cap	41.83	7.76
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0746	EA	2" Diameter, Crimped Copper Cap	50.19	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0747	EA	2-1/2" Diameter, Crimped Copper Cap	132.94	10.55
		For Work In Restricted Working Space, Add	*4.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0748	EA	3" Diameter, Crimped Copper Cap	167.06	12.59
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0749	EA	4" Diameter, Crimped Copper Cap	222.38	16.58
		For Work In Restricted Working Space, Add	*7.46*	

22 11 16 00-0750 C x F NPT Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0751	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	37.81	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0752	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	47.48	15.15
		For Work In Restricted Working Space, Add	*6.80*	
22 11 16 00-0753	EA	1" Diameter, C x F NPT Crimped Bronze Union	68.39	18.16
		For Work In Restricted Working Space, Add	*8.16*	
22 11 16 00-0754	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	83.61	20.95
		For Work In Restricted Working Space, Add	*9.45*	
22 11 16 00-0755	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	112.66	20.49
		For Work In Restricted Working Space, Add	*9.22*	
22 11 16 00-0756	EA	2" Diameter, C x F NPT Crimped Bronze Union	152.99	29.69
		For Work In Restricted Working Space, Add	*13.34*	

22 11 16 00-0757 C x C Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0758	EA	1/2" Diameter, C x C Bronze Crimped Union	37.68	9.04
		For Work In Restricted Working Space, Add	*4.07*	
22 11 16 00-0759	EA	3/4" Diameter, C x C Bronze Crimped Union	47.06	10.32
		For Work In Restricted Working Space, Add	*4.63*	
22 11 16 00-0760	EA	1" Diameter, C x C Bronze Crimped Union	68.97	12.28
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-0761	EA	1-1/4" Diameter, C x C Bronze Crimped Union	92.47	13.56
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0762	EA	1-1/2" Diameter, C x C Bronze Crimped Union	120.56	15.07
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0763	EA	2" Diameter, C x C Bronze Crimped Union	187.09	18.09
		For Work In Restricted Working Space, Add	*8.14*	

22 11 16 00-0764 C x Flange Crimped Bronze Flange *(22 11 16 00-0664)*

22 11 16 00-0765	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	374.14	21.10
		For Work In Restricted Working Space, Add	*9.50*	
22 11 16 00-0766	EA	3" Diameter, C x Flange Crimped Bronze Flange	406.30	25.10
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0767	EA	4" Diameter, C x Flange Crimped Bronze Flange	462.40	33.15
		For Work In Restricted Working Space, Add	*14.92*	

22 11 16 00-0768 Field Installed FKM Seals *(22 11 16 00-0664)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0769	EA	1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	5.32	
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0770	EA	3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	6.91	
		For Work In Restricted Working Space, Add	*1.19*	
22 11 16 00-0771	EA	1" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.94	
		For Work In Restricted Working Space, Add	*1.36*	
22 11 16 00-0772	EA	1-1/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.19	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0773	EA	1-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	13.58	
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0774	EA	2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	14.97	
		For Work In Restricted Working Space, Add	*2.03*	
22 11 16 00-0775	EA	2-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	23.50	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0776	EA	3" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	26.82	
		For Work In Restricted Working Space, Add	*2.83*	
22 11 16 00-0777	EA	4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	36.78	
		For Work In Restricted Working Space, Add	*3.73*	

22 11 16 00-0778 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0390)*

22 11 16 00-0779	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	7.54
22 11 16 00-0780	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	8.14
22 11 16 00-0781	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	9.15
22 11 16 00-0782	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	9.61
22 11 16 00-0783	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	10.17
22 11 16 00-0784	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	11.20
22 11 16 00-0785	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	12.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0786	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.24	
22 11 16 00-0787	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.21	
22 11 16 00-0788	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	27.46	
22 11 16 00-0789	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	36.62	
22 11 16 00-0790		**Sweat Brass Companion Flanges** *(22 11 16 00-0390)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0791	EA	1" Diameter, Sweat Brass Companion Flange	54.79	11.60
22 11 16 00-0792	EA	1-1/4" Diameter, Sweat Brass Companion Flange	59.75	12.78
22 11 16 00-0793	EA	1-1/2" Diameter, Sweat Brass Companion Flange	88.59	13.89
22 11 16 00-0794	EA	2" Diameter, Sweat Brass Companion Flange	120.89	15.42
22 11 16 00-0795	EA	2-1/2" Diameter, Sweat Brass Companion Flange	173.31	18.54
22 11 16 00-0796	EA	3" Diameter, Sweat Brass Companion Flange	187.07	24.31
22 11 16 00-0797	EA	4" Diameter, Sweat Brass Companion Flange	253.56	28.96
22 11 16 00-0798	EA	5" Diameter, Sweat Brass Companion Flange	471.40	32.86
22 11 16 00-0799	EA	6" Diameter, Sweat Brass Companion Flange	525.68	47.75
22 11 16 00-0800	EA	8" Diameter, Copper Companion Flange	1,290.94	68.11
22 11 16 00-0801		**Brass Compression Fittings** *(22 11 16 00-0390)*		
22 11 16 00-0802		**Brass Compression Unions** *(22 11 16 00-0801)*		
22 11 16 00-0803	EA	1/4" Diameter, Brass Compression Union	13.46	8.14
22 11 16 00-0804	EA	3/8" Diameter, Brass Compression Union	13.79	8.14
22 11 16 00-0805	EA	1/2" Diameter, Brass Compression Union	14.80	8.14
22 11 16 00-0806	EA	5/8" Diameter, Brass Compression Union	15.28	8.14
22 11 16 00-0807	EA	3/4" Diameter, Brass Compression Union	24.12	8.14
22 11 16 00-0808	EA	3/8" x 1/4" Diameter, Brass Compression Union	14.02	8.14
22 11 16 00-0809	EA	1/2" x 3/8" Diameter, Brass Compression Union	14.88	8.14
22 11 16 00-0810	EA	5/8" x 3/8" Diameter, Brass Compression Union	15.48	8.14
22 11 16 00-0811	EA	5/8" x 1/2" Diameter, Brass Compression Union	16.44	8.14
22 11 16 00-0812		**Brass Compression Union Elbows** *(22 11 16 00-0801)*		
22 11 16 00-0813	EA	1/4" Diameter, Brass Compression Union Elbow	14.80	8.14
22 11 16 00-0814	EA	3/8" Diameter, Brass Compression Union Elbow	15.35	8.14
22 11 16 00-0815	EA	1/2" Diameter, Brass Compression Union Elbow	16.55	8.14
22 11 16 00-0816	EA	5/8" Diameter, Brass Compression Union Elbow	18.41	8.14
22 11 16 00-0817	EA	3/4" Diameter, Brass Compression Union Elbow	25.68	8.14
22 11 16 00-0818	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	15.35	8.14
22 11 16 00-0819	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	16.55	8.14
22 11 16 00-0820	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	16.88	8.14
22 11 16 00-0821	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	22.34	8.14
22 11 16 00-0822		**Brass Compression Union Tees** *(22 11 16 00-0801)*		
22 11 16 00-0823	EA	1/4" Diameter, Brass Compression Union Tee	15.22	8.14
22 11 16 00-0824	EA	3/8" Diameter, Brass Compression Union Tee	16.35	8.14
22 11 16 00-0825	EA	1/2" Diameter, Brass Compression Union Tee	17.55	8.14
22 11 16 00-0826	EA	5/8" Diameter, Brass Compression Union Tee	21.35	8.14
22 11 16 00-0827	EA	3/4" Diameter, Brass Compression Union Tee	34.47	8.14
22 11 16 00-0828	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	17.15	8.14
22 11 16 00-0829	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	23.31	8.14
22 11 16 00-0830	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	22.72	8.14
22 11 16 00-0831	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	23.41	8.14
22 11 16 00-0832		**Brass Compression Male Connectors** *(22 11 16 00-0801)*		
22 11 16 00-0833	EA	1/4" Diameter, Brass Compression Male Connector	13.22	8.14
22 11 16 00-0834	EA	3/8" Diameter, Brass Compression Male Connector	13.66	8.14
22 11 16 00-0835	EA	1/2" Diameter, Brass Compression Male Connector	14.42	8.14
22 11 16 00-0836	EA	5/8" Diameter, Brass Compression Male Connector	15.55	8.14
22 11 16 00-0837	EA	3/4" Diameter, Brass Compression Male Connector	20.55	8.07
22 11 16 00-0838		**Brass Compression Female Connectors** *(22 11 16 00-0801)*		
22 11 16 00-0839	EA	1/4" Diameter, Brass Compression Female Connector	13.70	8.14
22 11 16 00-0840	EA	3/8" Diameter, Brass Compression Female Connector	14.27	8.14
22 11 16 00-0841	EA	1/2" Diameter, Brass Compression Female Connector	15.23	8.14
22 11 16 00-0842	EA	5/8" Diameter, Brass Compression Female Connector	16.02	8.14
22 11 16 00-0843	EA	3/4" Diameter, Brass Compression Female Connector	29.02	7.99
22 11 16 00-0844		**Dielectric Fittings** *(22 11 16 00-0390)*		
22 11 16 00-0845		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0846	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	34.78	18.09
22 11 16 00-0847	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	38.55	20.65
22 11 16 00-0848	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	47.33	22.71
22 11 16 00-0849	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	59.30	25.00
22 11 16 00-0850	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	73.63	27.78
22 11 16 00-0851	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	95.04	33.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0852		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0853	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	39.60	18.09
22 11 16 00-0854	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	46.50	20.65
22 11 16 00-0855	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	57.82	22.71
22 11 16 00-0856	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	73.21	25.00
22 11 16 00-0857	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	90.84	27.78
22 11 16 00-0858	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	115.23	33.33
22 11 16 00-0859		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0844)*		
22 11 16 00-0860	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	36.54	18.09
22 11 16 00-0861	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	41.45	20.65
22 11 16 00-0862	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	48.10	22.71
22 11 16 00-0863	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	56.61	25.00
22 11 16 00-0864	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	70.96	27.78
22 11 16 00-0865	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	92.90	33.33
22 11 16 00-0866		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0844)*		
22 11 16 00-0867	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	227.84	85.69
22 11 16 00-0868	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	284.75	107.92
22 11 16 00-0869	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	405.64	146.89
22 11 16 00-0870		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0844)*		
22 11 16 00-0871	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	229.86	85.69
22 11 16 00-0872	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	300.58	107.92
22 11 16 00-0873	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	588.30	146.89
22 11 16 00-0874		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0875	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	19.92	7.54
22 11 16 00-0876	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	26.24	8.04
22 11 16 00-0877	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	26.38	9.04
22 11 16 00-0878	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	31.24	9.64
22 11 16 00-0879	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	31.30	10.30
22 11 16 00-0880	EA	1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	46.49	12.30
22 11 16 00-0881	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	26.31	8.53
22 11 16 00-0882	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	31.08	9.35
22 11 16 00-0883	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	49.30	11.30
22 11 16 00-0884	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	21.17	7.54
22 11 16 00-0885	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	31.55	8.04
22 11 16 00-0886	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	27.06	9.04
22 11 16 00-0887	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	34.33	9.64
22 11 16 00-0888	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	30.42	10.30
22 11 16 00-0889	EA	1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	47.17	12.30
22 11 16 00-0890	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	25.75	8.53
22 11 16 00-0891	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	28.87	9.35
22 11 16 00-0892	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	64.50	11.30
22 11 16 00-0893	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	32.28	11.30
22 11 16 00-0894	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	43.46	12.06
22 11 16 00-0895	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	36.91	13.56
22 11 16 00-0896	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	50.18	14.47
22 11 16 00-0897	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	43.48	15.44
22 11 16 00-0898	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	62.48	18.46
22 11 16 00-0899	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	44.17	12.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0900	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	44.21	13.06
22 11 16 00-0901	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	42.09	14.82
22 11 16 00-0902	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	61.13	17.46
22 11 16 00-0903	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	24.51	8.29
22 11 16 00-0904	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.82	8.53
22 11 16 00-0905	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	22.84	9.04
22 11 16 00-0906	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	26.22	10.30
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	39.34	12.30
22 11 16 00-0908	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	20.25	8.29
22 11 16 00-0909	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.82	8.53
22 11 16 00-0910	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	22.93	9.04
22 11 16 00-0911	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	25.83	10.30
22 11 16 00-0912	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.48	9.97
22 11 16 00-0913	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	36.14	11.30
22 11 16 00-0914	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	40.13	12.30
22 11 16 00-0915	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	37.59	9.04
22 11 16 00-0916	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	44.26	10.30
22 11 16 00-0917	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	59.97	12.30
22 11 16 00-0918	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	41.02	9.04
22 11 16 00-0919	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	50.05	10.30
22 11 16 00-0920	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	90.06	12.30

22 11 16 00-0921 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0922	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	17.53	2.11
		For Type K Tubing Instead Of Type L, Add	*1.47*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.06*	
		For For Brazed Fittings, Add	*0.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*3.54*	
22 11 16 00-0923	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.77	2.71
		For Type K Tubing Instead Of Type L, Add	*1.83*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.42*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.37*	
		For For Brazed Fittings, Add	*0.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*4.01*	
22 11 16 00-0924	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	23.79	3.24
		For Type K Tubing Instead Of Type L, Add	*2.27*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.59*	
		For For Brazed Fittings, Add	*0.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*4.20*	
22 11 16 00-0925	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	28.14	3.77
		For Type K Tubing Instead Of Type L, Add	*2.95*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.86*	
		For For Brazed Fittings, Add	*0.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.13*	
		For Work In Restricted Working Space, Add	*4.36*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0926	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	32.16	4.30
		For Type K Tubing Instead Of Type L, Add	*3.53*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.62*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.16*	
		For For Brazed Fittings, Add	*0.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*4.65*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.67*	
22 11 16 00-0927	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	42.69	5.35
		For Type K Tubing Instead Of Type L, Add	*5.05*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.92*	
		For For Brazed Fittings, Add	*0.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.03*	
		For Work In Restricted Working Space, Add	*5.36*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.48*	
22 11 16 00-0928	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	56.10	6.46
		For Type K Tubing Instead Of Type L, Add	*7.21*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.20*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.72*	
		For For Brazed Fittings, Add	*0.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.76*	
		For Work In Restricted Working Space, Add	*5.75*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.69*	
22 11 16 00-0929	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	71.08	7.50
		For Type K Tubing Instead Of Type L, Add	*9.61*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.63*	
		For For Brazed Fittings, Add	*0.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*6.23*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-5.03*	
22 11 16 00-0930	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	117.10	9.93
		For Type K Tubing Instead Of Type L, Add	*16.82*	
		For Type M Tubing Instead Of Type L, Deduct	*-11.91*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.54*	
		For For Brazed Fittings, Add	*1.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.20*	
		For Work In Restricted Working Space, Add	*8.05*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-9.03*	
22 11 16 00-0931	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	220.63	12.36
		For Type K Tubing Instead Of Type L, Add	*33.85*	
		For Type M Tubing Instead Of Type L, Deduct	*-23.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.48*	
		For For Brazed Fittings, Add	*1.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.75*	
		For Work In Restricted Working Space, Add	*10.33*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-18.62*	
22 11 16 00-0932	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	289.71	14.93
		For Type K Tubing Instead Of Type L, Add	*44.65*	
		For Type M Tubing Instead Of Type L, Deduct	*-31.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.86*	
		For For Brazed Fittings, Add	*1.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.67*	
		For Work In Restricted Working Space, Add	*13.13*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-24.60*	
22 11 16 00-0933	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	661.77	17.85
		For Type K Tubing Instead Of Type L, Add	*108.11*	
		For Type M Tubing Instead Of Type L, Deduct	*-75.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*38.53*	
		For For Brazed Fittings, Add	*2.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.81*	
		For Work In Restricted Working Space, Add	*16.31*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-60.74*	

22 11 16 00-0934 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0935 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0934)*

22 11 16 00-0936 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0935)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0937	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	4.35	1.11
		For Work In Restricted Working Space, Add	*0.83*	
22 11 16 00-0938	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	5.07	1.17
		For Work In Restricted Working Space, Add	*0.88*	
22 11 16 00-0939	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.29	1.26
		For Work In Restricted Working Space, Add	*0.94*	
22 11 16 00-0940	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.79	1.37
		For Work In Restricted Working Space, Add	*1.03*	
22 11 16 00-0941	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.07	1.52
		For Work In Restricted Working Space, Add	*1.14*	
22 11 16 00-0942	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.54	1.70
		For Work In Restricted Working Space, Add	*1.27*	
22 11 16 00-0943	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	15.99	1.92
		For Work In Restricted Working Space, Add	*1.44*	
22 11 16 00-0944	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	20.63	2.28
		For Work In Restricted Working Space, Add	*1.71*	
22 11 16 00-0945	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	28.91	2.80
		For Work In Restricted Working Space, Add	*2.10*	
22 11 16 00-0946	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	51.28	3.56
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-0947	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	74.18	4.67
		For Work In Restricted Working Space, Add	*3.50*	

22 11 16 00-0948 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0935)*

22 11 16 00-0949	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	15.65	5.28
		For Work In Restricted Working Space, Add	*3.96*	
22 11 16 00-0950	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	20.49	6.66
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-0951	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	26.94	8.33
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-0952	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	37.75	10.42
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0953	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	42.03	11.52
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0954	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	49.93	11.52
		For Work In Restricted Working Space, Add	*9.67*	
22 11 16 00-0955	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	82.79	14.66
		For Work In Restricted Working Space, Add	*11.00*	
22 11 16 00-0956	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	93.46	17.36
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-0957	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	136.92	21.32
		For Work In Restricted Working Space, Add	*16.00*	
22 11 16 00-0958	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	172.55	27.09
		For Work In Restricted Working Space, Add	*20.33*	
22 11 16 00-0959	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	345.31	35.56
		For Work In Restricted Working Space, Add	*26.67*	

22 11 16 00-0960 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0935)*

22 11 16 00-0961	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	16.87	5.28
		For Work In Restricted Working Space, Add	*3.96*	
22 11 16 00-0962	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	21.96	6.66
		For Work In Restricted Working Space, Add	*5.00*	
22 11 16 00-0963	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	29.33	8.33
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-0964	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	40.88	10.42
		For Work In Restricted Working Space, Add	*7.83*	
22 11 16 00-0965	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	45.85	11.52
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0966	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	51.22	12.92
		For Work In Restricted Working Space, Add	*9.67*	
22 11 16 00-0967	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	83.61	14.66
		For Work In Restricted Working Space, Add	*11.00*	
22 11 16 00-0968	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	93.35	17.36
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-0969	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	121.95	21.32
		For Work In Restricted Working Space, Add	*16.00*	
22 11 16 00-0970	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	200.63	27.09
		For Work In Restricted Working Space, Add	*20.33*	
22 11 16 00-0971	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	365.20	35.56
		For Work In Restricted Working Space, Add	*26.67*	

22 11 16 00-0972 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0935)*

22 11 16 00-0973	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	24.26	7.91
		For Work In Restricted Working Space, Add	*5.94*	
22 11 16 00-0974	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	32.13	10.00
		For Work In Restricted Working Space, Add	*7.50*	
22 11 16 00-0975	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	40.16	12.57
		For Work In Restricted Working Space, Add	*9.42*	
22 11 16 00-0976	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	57.66	15.69
		For Work In Restricted Working Space, Add	*11.75*	
22 11 16 00-0977	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	64.53	17.36
		For Work In Restricted Working Space, Add	*13.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0978	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	79.93	19.31
		For Work In Restricted Working Space, Add	*14.50*	
22 11 16 00-0979	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	106.93	22.01
		For Work In Restricted Working Space, Add	*16.50*	
22 11 16 00-0980	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	121.50	25.98
		For Work In Restricted Working Space, Add	*19.50*	
22 11 16 00-0981	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	146.74	32.02
		For Work In Restricted Working Space, Add	*24.00*	
22 11 16 00-0982	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	232.06	40.70
		For Work In Restricted Working Space, Add	*30.50*	
22 11 16 00-0983	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	506.63	53.34
		For Work In Restricted Working Space, Add	*40.00*	

22 11 16 00-0984 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0935)*

22 11 16 00-0985	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	30.24	10.56
		For Work In Restricted Working Space, Add	*7.92*	
22 11 16 00-0986	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	39.47	13.33
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-0987	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	49.35	16.73
		For Work In Restricted Working Space, Add	*12.54*	
22 11 16 00-0988	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	68.15	20.90
		For Work In Restricted Working Space, Add	*15.67*	
22 11 16 00-0989	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	76.03	23.13
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0990	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	91.67	25.76
		For Work In Restricted Working Space, Add	*19.34*	
22 11 16 00-0991	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	118.06	29.30
		For Work In Restricted Working Space, Add	*22.00*	
22 11 16 00-0992	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	135.32	34.65
		For Work In Restricted Working Space, Add	*26.00*	
22 11 16 00-0993	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	164.15	42.64
		For Work In Restricted Working Space, Add	*32.00*	
22 11 16 00-0994	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	247.88	54.23
		For Work In Restricted Working Space, Add	*40.67*	
22 11 16 00-0995	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	499.32	71.12
		For Work In Restricted Working Space, Add	*53.34*	

22 11 16 00-0996 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0935)*

22 11 16 00-0997	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	13.70	4.86
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-0998	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	19.33	6.60
		For Work In Restricted Working Space, Add	*4.94*	
22 11 16 00-0999	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	34.63	8.62
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1000	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	39.28	9.51
		For Work In Restricted Working Space, Add	*7.15*	
22 11 16 00-1001	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	46.90	10.63
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-1002	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	50.58	12.08
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-1003	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	61.76	14.31
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1004	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	85.69	17.57
		For Work In Restricted Working Space, Add	*13.21*	
22 11 16 00-1005	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	144.64	22.37
		For Work In Restricted Working Space, Add	*16.77*	
22 11 16 00-1006	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	340.33	29.30
		For Work In Restricted Working Space, Add	*22.00*	

22 11 16 00-1007 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0935)*

22 11 16 00-1008	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	18.30	3.47
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-1009	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	22.60	4.86
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1010	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	27.58	6.60
		For Work In Restricted Working Space, Add	*4.94*	
22 11 16 00-1011	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	33.92	8.62
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1012	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	40.33	9.51
		For Work In Restricted Working Space, Add	*7.15*	
22 11 16 00-1013	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	52.15	10.63
		For Work In Restricted Working Space, Add	*7.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1014	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	84.90	12.08
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-1015	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	178.43	14.31
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1016	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	268.89	17.57
		For Work In Restricted Working Space, Add	*13.21*	

22 11 16 00-1017 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0935)*

22 11 16 00-1018	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	12.36	3.47
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-1019	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	17.21	4.86
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1020	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	24.85	6.60
		For Work In Restricted Working Space, Add	*4.94*	
22 11 16 00-1021	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	33.92	8.62
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	40.57	9.51
		For Work In Restricted Working Space, Add	*7.15*	
22 11 16 00-1023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	49.25	10.63
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-1024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	73.17	12.08
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-1025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	87.62	14.31
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1026	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	131.71	17.57
		For Work In Restricted Working Space, Add	*13.21*	

22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0935)*

22 11 16 00-1028	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	13.77	3.47
		For Work In Restricted Working Space, Add	*2.60*	
22 11 16 00-1029	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	17.66	4.86
		For Work In Restricted Working Space, Add	*3.67*	
22 11 16 00-1030	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	24.97	6.60
		For Work In Restricted Working Space, Add	*4.94*	
22 11 16 00-1031	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	34.33	8.62
		For Work In Restricted Working Space, Add	*6.46*	
22 11 16 00-1032	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	38.69	9.51
		For Work In Restricted Working Space, Add	*7.15*	
22 11 16 00-1033	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	47.72	10.63
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-1034	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	74.05	12.08
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-1035	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	103.10	14.31
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1036	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	158.04	17.57
		For Work In Restricted Working Space, Add	*13.21*	

22 11 16 00-1037 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0935)*

22 11 16 00-1038	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	11.05	3.19
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-1039	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.54	4.44
		For Work In Restricted Working Space, Add	*3.33*	
22 11 16 00-1040	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	20.90	5.97
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-1041	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	28.49	7.85
		For Work In Restricted Working Space, Add	*5.87*	
22 11 16 00-1042	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	32.90	8.68
		For Work In Restricted Working Space, Add	*6.50*	
22 11 16 00-1043	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	37.20	9.65
		For Work In Restricted Working Space, Add	*7.25*	
22 11 16 00-1044	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	58.75	10.97
		For Work In Restricted Working Space, Add	*8.25*	
22 11 16 00-1045	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	64.06	12.99
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-1046	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	81.35	15.97
		For Work In Restricted Working Space, Add	*12.00*	
22 11 16 00-1047	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	132.41	20.35
		For Work In Restricted Working Space, Add	*15.25*	
22 11 16 00-1048	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	231.96	26.67
		For Work In Restricted Working Space, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1049		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions** *(22 11 16 00-0935)*		
22 11 16 00-1050	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	22.88	3.82
		For Work In Restricted Working Space, Add	*2.85*	
22 11 16 00-1051	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	27.35	5.35
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-1052	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	32.39	7.15
		For Work In Restricted Working Space, Add	*5.38*	
22 11 16 00-1053	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	57.50	9.38
		For Work In Restricted Working Space, Add	*7.04*	
22 11 16 00-1054	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	60.61	10.42
		For Work In Restricted Working Space, Add	*7.79*	
22 11 16 00-1055	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	86.48	11.60
		For Work In Restricted Working Space, Add	*8.71*	
22 11 16 00-1056	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	152.12	13.19
		For Work In Restricted Working Space, Add	*9.90*	
22 11 16 00-1057	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	219.06	15.62
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-1058	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	354.04	19.16
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-1059	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	474.32	24.38
		For Work In Restricted Working Space, Add	*18.29*	
22 11 16 00-1060	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	584.92	32.02
		For Work In Restricted Working Space, Add	*24.00*	
22 11 16 00-1061		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps** *(22 11 16 00-0935)*		
22 11 16 00-1062	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	9.90	3.27
		For Work In Restricted Working Space, Add	*1.49*	
22 11 16 00-1063	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.28	4.10
		For Work In Restricted Working Space, Add	*1.88*	
22 11 16 00-1064	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	20.26	5.14
		For Work In Restricted Working Space, Add	*2.35*	
22 11 16 00-1065	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	23.41	3.89
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-1066	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	24.72	4.30
		For Work In Restricted Working Space, Add	*3.25*	
22 11 16 00-1067	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	34.44	4.86
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-1068	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	54.01	5.48
		For Work In Restricted Working Space, Add	*4.13*	
22 11 16 00-1069	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	57.43	6.53
		For Work In Restricted Working Space, Add	*4.88*	
22 11 16 00-1070	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	89.46	7.98
		For Work In Restricted Working Space, Add	*6.00*	
22 11 16 00-1071	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	198.25	10.14
		For Work In Restricted Working Space, Add	*7.63*	
22 11 16 00-1072	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	255.25	13.33
		For Work In Restricted Working Space, Add	*10.00*	
22 11 16 00-1073		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges** *(22 11 16 00-0935)*		
22 11 16 00-1074	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	18.26	2.50
		For Work In Restricted Working Space, Add	*1.90*	
22 11 16 00-1075	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	21.69	3.54
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-1076	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	26.20	4.79
		For Work In Restricted Working Space, Add	*3.58*	
22 11 16 00-1077	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	30.36	6.25
		For Work In Restricted Working Space, Add	*4.71*	
22 11 16 00-1078	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	32.37	6.95
		For Work In Restricted Working Space, Add	*5.21*	
22 11 16 00-1079	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	39.27	7.71
		For Work In Restricted Working Space, Add	*5.79*	
22 11 16 00-1080	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	53.16	8.82
		For Work In Restricted Working Space, Add	*6.60*	
22 11 16 00-1081	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	59.96	10.42
		For Work In Restricted Working Space, Add	*7.79*	
22 11 16 00-1082	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	75.07	12.78
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-1083	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	108.39	16.25
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-1084	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	206.04	21.32
		For Work In Restricted Working Space, Add	*16.00*	
22 11 16 00-1085		**Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe** *(22 11 16)*		
22 11 16 00-1086		**Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe** *(22 11 16 00-1085)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1087	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	3.76	1.18
22 11 16 00-1088	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	4.58	1.23
22 11 16 00-1089	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.44	1.48
22 11 16 00-1090	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.42	1.59
22 11 16 00-1091	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	12.14	1.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1092	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	16.72	1.82
22 11 16 00-1093	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	23.99	2.47
22 11 16 00-1094	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	32.31	2.86
22 11 16 00-1095	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	44.24	3.19
22 11 16 00-1096	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	52.59	3.52
22 11 16 00-1097		**Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe** *(22 11 16 00-1085)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1098	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	3.32	1.18
22 11 16 00-1099	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	3.85	1.23
22 11 16 00-1100	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.13	1.48
22 11 16 00-1101	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	6.51	1.59
22 11 16 00-1102	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.81	1.77
22 11 16 00-1103	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.99	1.82
22 11 16 00-1104	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	16.71	2.47
22 11 16 00-1105	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	22.69	2.86
22 11 16 00-1106	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	32.17	3.19
22 11 16 00-1107	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	38.29	3.52
22 11 16 00-1108		**Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe** *(22 11 16 00-1085)*		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1109	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	3.99	1.18
22 11 16 00-1110	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	4.90	1.23
22 11 16 00-1111	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.79	1.48
22 11 16 00-1112	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.87	1.59
22 11 16 00-1113	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	13.44	1.77
22 11 16 00-1114	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	17.43	1.82
22 11 16 00-1115	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	25.00	2.47
22 11 16 00-1116	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	34.81	2.86
22 11 16 00-1117	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	44.10	3.19
22 11 16 00-1118	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	52.20	3.52
22 11 16 00-1119		**Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe** *(22 11 16 00-1085)*		
		Note: Aquatherm climatherm®.		
22 11 16 00-1120	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	3.30	1.19
22 11 16 00-1121	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	3.94	1.23
22 11 16 00-1122	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.65	1.48
22 11 16 00-1123	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.83	1.59
22 11 16 00-1124	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.57	1.78
22 11 16 00-1125	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.12	1.82
22 11 16 00-1126	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	14.14	2.47
22 11 16 00-1127	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	19.12	2.86
22 11 16 00-1128	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	26.28	3.19
22 11 16 00-1129	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	32.03	3.52
22 11 16 00-1130	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	38.16	4.51
22 11 16 00-1131	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	62.62	5.92
22 11 16 00-1132		**Pipe Clamp For Polypropylene Random (PP-R) Pipe** *(22 11 16 00-1085)*		
22 11 16 00-1133	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	9.60	2.92
22 11 16 00-1134	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	10.17	2.92
22 11 16 00-1135	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	10.55	2.92
22 11 16 00-1136	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	10.67	2.92
22 11 16 00-1137	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	11.12	2.92
22 11 16 00-1138	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	12.39	2.92
22 11 16 00-1139	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	14.23	2.92
22 11 16 00-1140	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	14.86	2.92
22 11 16 00-1141	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.75	2.92
22 11 16 00-1142	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	16.96	2.92
22 11 16 00-1143		**Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap** *(22 11 16 00-1085)*		
22 11 16 00-1144	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	3.00	
22 11 16 00-1145	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	3.15	
22 11 16 00-1146	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	3.23	
22 11 16 00-1147	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	3.28	
22 11 16 00-1148		**Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1085)*		
22 11 16 00-1149	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	6.75	1.52
22 11 16 00-1150	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	7.14	1.52
22 11 16 00-1151		**Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1152	EA	1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	6.32	2.36
22 11 16 00-1153	EA	3/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	6.73	2.47
22 11 16 00-1154	EA	1" Diameter, Polypropylene, Heat Fusion, Socket Coupling	8.29	2.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1155	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	9.17	3.17
22 11 16 00-1156	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	13.08	3.56
22 11 16 00-1157	EA	2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	19.17	3.63
22 11 16 00-1158	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	23.20	4.93
22 11 16 00-1159	EA	3" Diameter, Polypropylene, Heat Fusion, Socket Coupling	40.74	5.70
22 11 16 00-1160	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	60.46	6.38
22 11 16 00-1161	EA	4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	76.69	7.05

22 11 16 00-1162 Polypropylene Random (PP-R), Heat Fusion, Bushing *(22 11 16 00-1085)*

22 11 16 00-1163	EA	1" Diameter, Polypropylene, Heat Fusion, Bushing	7.11	2.36
22 11 16 00-1164	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Bushing	8.62	2.47
22 11 16 00-1165	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	12.03	2.96
22 11 16 00-1166	EA	2" Diameter, Polypropylene, Heat Fusion, Bushing	18.54	3.17
22 11 16 00-1167	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	20.79	3.56
22 11 16 00-1168	EA	3" Diameter, Polypropylene, Heat Fusion, Bushing	37.69	3.63
22 11 16 00-1169	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	58.52	4.93
22 11 16 00-1170	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	70.79	5.70
22 11 16 00-1171	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Bushing	86.60	6.38
22 11 16 00-1172	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	90.14	7.05

22 11 16 00-1173 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling *(22 11 16 00-1085)*

22 11 16 00-1174	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	10.64	2.47
22 11 16 00-1175	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	14.53	2.96
22 11 16 00-1176	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	23.50	3.17
22 11 16 00-1177	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	25.99	3.56
22 11 16 00-1178	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	32.68	3.63
22 11 16 00-1179	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	53.97	4.93
22 11 16 00-1180	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	70.70	5.98
22 11 16 00-1181	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	78.72	7.05

22 11 16 00-1182 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow *(22 11 16 00-1085)*

22 11 16 00-1183	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	11.17	4.71
22 11 16 00-1184	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	12.15	4.96
22 11 16 00-1185	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	15.03	5.92
22 11 16 00-1186	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	17.67	6.38
22 11 16 00-1187	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	24.75	7.08
22 11 16 00-1188	EA	2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	30.72	7.22
22 11 16 00-1189	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	55.91	9.89
22 11 16 00-1190	EA	3" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	82.84	11.41
22 11 16 00-1191	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	110.74	12.75
22 11 16 00-1192	EA	4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	159.48	14.09

22 11 16 00-1193 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow *(22 11 16 00-1085)*

22 11 16 00-1194	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	11.17	4.71
22 11 16 00-1195	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	12.15	4.96
22 11 16 00-1196	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	15.03	5.92
22 11 16 00-1197	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.67	6.38

22 11 16 00-1198 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow *(22 11 16 00-1085)*

22 11 16 00-1199	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	11.17	4.71
22 11 16 00-1200	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	12.15	4.96
22 11 16 00-1201	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	15.03	5.92
22 11 16 00-1202	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	17.67	6.38
22 11 16 00-1203	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	24.75	7.08
22 11 16 00-1204	EA	2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	30.53	7.22
22 11 16 00-1205	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	55.48	9.89
22 11 16 00-1206	EA	3" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	88.68	11.41
22 11 16 00-1207	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	119.28	12.75
22 11 16 00-1208	EA	4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	172.58	14.09

22 11 16 00-1209 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow *(22 11 16 00-1085)*

22 11 16 00-1210	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	11.15	4.71
22 11 16 00-1211	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	12.15	4.96
22 11 16 00-1212	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	15.03	5.92
22 11 16 00-1213	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	17.67	6.38

22 11 16 00-1214 Polypropylene Random (PP-R), Heat Fusion, Tee *(22 11 16 00-1085)*

22 11 16 00-1215	EA	1/2" Diameter, Polypropylene, Heat Fusion, Tee	16.48	7.08
22 11 16 00-1216	EA	3/4" Diameter, Polypropylene, Heat Fusion, Tee	18.06	7.43
22 11 16 00-1217	EA	1" Diameter, Polypropylene, Heat Fusion, Tee	21.75	8.84
22 11 16 00-1218	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Tee	25.28	9.54
22 11 16 00-1219	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Tee	38.99	10.64
22 11 16 00-1220	EA	2" Diameter, Polypropylene, Heat Fusion, Tee	47.07	10.84
22 11 16 00-1221	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Tee	72.18	14.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1222	EA	3" Diameter, Polypropylene, Heat Fusion, Tee	104.45	17.11
22 11 16 00-1223	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Tee	147.68	19.10
22 11 16 00-1224	EA	4" Diameter, Polypropylene, Heat Fusion, Tee	187.69	21.10
22 11 16 00-1225		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1085)*		
22 11 16 00-1226	EA	1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	16.48	7.08
22 11 16 00-1227	EA	3/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	18.06	7.43
22 11 16 00-1228	EA	1" Diameter, Polypropylene, Heat Fusion, Reducing Tee	21.70	8.84
22 11 16 00-1229	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	25.28	9.54
22 11 16 00-1230	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	38.99	10.64
22 11 16 00-1231	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	45.54	10.84
22 11 16 00-1232	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	68.54	14.82
22 11 16 00-1233	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	112.20	17.11
22 11 16 00-1234	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	160.05	19.10
22 11 16 00-1235	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	183.29	21.10
22 11 16 00-1236	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	188.19	21.10
22 11 16 00-1237	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	188.74	21.10
22 11 16 00-1238		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1085)*		
22 11 16 00-1239	EA	1/2" Diameter, Polypropylene, Heat Fusion, End Cap	7.23	2.36
22 11 16 00-1240	EA	3/4" Diameter, Polypropylene, Heat Fusion, End Cap	8.13	2.47
22 11 16 00-1241	EA	1" Diameter, Polypropylene, Heat Fusion, End Cap	9.80	2.96
22 11 16 00-1242	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, End Cap	12.44	3.17
22 11 16 00-1243	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	15.54	3.56
22 11 16 00-1244	EA	2" Diameter, Polypropylene, Heat Fusion, End Cap	21.35	3.63
22 11 16 00-1245	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	30.30	4.93
22 11 16 00-1246	EA	3" Diameter, Polypropylene, Heat Fusion, End Cap	57.59	5.70
22 11 16 00-1247	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	68.30	6.38
22 11 16 00-1248	EA	4" Diameter, Polypropylene, Heat Fusion, End Cap	98.69	7.05
22 11 16 00-1249		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1085)*		
22 11 16 00-1250	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	9.58	
22 11 16 00-1251	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	9.80	
22 11 16 00-1252	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	10.17	
22 11 16 00-1253	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	10.39	
22 11 16 00-1254	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	11.17	
22 11 16 00-1255	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	11.39	
22 11 16 00-1256	EA	2" x 1" Polypropylene, Heat Fusion Outlet	12.44	
22 11 16 00-1257	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	12.16	
22 11 16 00-1258	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	12.38	
22 11 16 00-1259	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	13.43	
22 11 16 00-1260	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	13.92	
22 11 16 00-1261	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	13.15	
22 11 16 00-1262	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	13.37	
22 11 16 00-1263	EA	3" x 1" Polypropylene, Heat Fusion Outlet	14.42	
22 11 16 00-1264	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	14.91	
22 11 16 00-1265	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.15	
22 11 16 00-1266	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.36	
22 11 16 00-1267	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	15.41	
22 11 16 00-1268	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	15.90	
22 11 16 00-1269	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	19.13	
22 11 16 00-1270	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	15.13	
22 11 16 00-1271	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	15.35	
22 11 16 00-1272	EA	4" x 1" Polypropylene, Heat Fusion Outlet	16.40	
22 11 16 00-1273	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	16.89	
22 11 16 00-1274	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	19.13	
22 11 16 00-1275	EA	4" x 2" Polypropylene, Heat Fusion Outlet	23.47	
22 11 16 00-1276		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1085)*		
22 11 16 00-1277	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	11.49	2.96
22 11 16 00-1278	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	12.90	3.17
22 11 16 00-1279	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	17.40	3.56
22 11 16 00-1280	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	18.85	3.63
22 11 16 00-1281	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	26.10	4.93
22 11 16 00-1282	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	44.43	5.70
22 11 16 00-1283	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	61.93	6.38
22 11 16 00-1284	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	139.35	7.05
22 11 16 00-1285		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1085)*		
22 11 16 00-1286	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.51	
22 11 16 00-1287	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.94	
22 11 16 00-1288	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	42.56	
22 11 16 00-1289	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	50.72	
22 11 16 00-1290	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	71.24	
22 11 16 00-1291	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	82.84	
22 11 16 00-1292	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	102.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1293	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	124.67	
22 11 16 00-1294		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1295	EA	1/2" Polypropylene, Electrofusion Coupling	50.96	4.71
22 11 16 00-1296	EA	3/4" Polypropylene, Electrofusion Coupling	53.08	4.96
22 11 16 00-1297	EA	1" Polypropylene, Electrofusion Coupling	60.16	5.92
22 11 16 00-1298	EA	1-1/4" Polypropylene, Electrofusion Coupling	61.85	6.38
22 11 16 00-1299	EA	1-1/2" Polypropylene, Electrofusion Coupling	67.11	7.08
22 11 16 00-1300	EA	2" Polypropylene, Electrofusion Coupling	91.22	7.22
22 11 16 00-1301	EA	2-1/2" Polypropylene, Electrofusion Coupling	110.81	9.89
22 11 16 00-1302	EA	3" Polypropylene, Electrofusion Coupling	138.96	11.41
22 11 16 00-1303	EA	3-1/2" Polypropylene, Electrofusion Coupling	190.42	12.75
22 11 16 00-1304	EA	4" Polypropylene, Electrofusion Coupling	235.74	14.09
22 11 16 00-1305		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1306	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	22.19	6.48
22 11 16 00-1307	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	27.26	6.73
22 11 16 00-1308		**Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1309	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	24.41	6.48
22 11 16 00-1310		**Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1085)*		
22 11 16 00-1311	EA	1/2" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	5.97	2.36
22 11 16 00-1312	EA	3/4" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	6.56	2.47
22 11 16 00-1313		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1314	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	17.34	4.71
22 11 16 00-1315	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	19.85	4.71
22 11 16 00-1316	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	17.83	4.96
22 11 16 00-1317	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	20.34	4.96
22 11 16 00-1318	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	23.28	5.92
22 11 16 00-1319		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1320	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	21.84	4.71
22 11 16 00-1321	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	23.97	4.71
22 11 16 00-1322	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	22.33	4.96
22 11 16 00-1323	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	24.46	4.96
22 11 16 00-1324	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.56	5.92
22 11 16 00-1325	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	45.81	5.92
22 11 16 00-1326	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	48.42	6.38
22 11 16 00-1327	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	66.43	6.38
22 11 16 00-1328	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	69.61	7.08
22 11 16 00-1329	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	76.41	7.08
22 11 16 00-1330	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	82.64	7.22
22 11 16 00-1331	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	110.84	7.22
22 11 16 00-1332	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	120.45	9.89
22 11 16 00-1333		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1334	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	28.05	4.71
22 11 16 00-1335	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	30.71	4.71
22 11 16 00-1336	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	28.54	4.96
22 11 16 00-1337	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	31.20	4.96
22 11 16 00-1338	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.96	5.92
22 11 16 00-1339		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1085)*		
22 11 16 00-1340	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	23.09	4.71
22 11 16 00-1341	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	25.04	4.71
22 11 16 00-1342	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	25.53	4.96
22 11 16 00-1343	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	37.98	5.92
22 11 16 00-1344	EA	1" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	55.85	5.92
22 11 16 00-1345	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	39.86	6.38
22 11 16 00-1346	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	59.58	6.38
22 11 16 00-1347	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	62.53	7.08
22 11 16 00-1348	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	73.75	7.08
22 11 16 00-1349	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	85.05	7.22
22 11 16 00-1350	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	97.01	7.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1351	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	104.37	9.89
22 11 16 00-1352	EA	2-1/2" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	146.39	9.89
22 11 16 00-1353	EA	3" x 3" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	220.24	11.41
22 11 16 00-1354	EA	3-1/2" x 4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	430.24	12.75
22 11 16 00-1355		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow *(22 11 16 00-1085)*		
22 11 16 00-1356	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	23.25	4.71
22 11 16 00-1357	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	18.67	4.71
22 11 16 00-1358	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	23.74	4.96
22 11 16 00-1359	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	19.16	4.96
22 11 16 00-1360	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	27.12	5.92
22 11 16 00-1361	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	44.92	5.92
22 11 16 00-1362		Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow *(22 11 16 00-1085)*		
22 11 16 00-1363	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	18.67	4.71
22 11 16 00-1364		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow *(22 11 16 00-1085)*		
22 11 16 00-1365	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	20.96	4.71
22 11 16 00-1366	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	22.44	4.71
22 11 16 00-1367	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	22.93	4.96
22 11 16 00-1368	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	28.82	5.92
22 11 16 00-1369	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	42.04	5.92
22 11 16 00-1370		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee *(22 11 16 00-1085)*		
22 11 16 00-1371	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	25.08	7.08
22 11 16 00-1372	EA	1/2" x 1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	28.70	7.08
22 11 16 00-1373	EA	3/4" x 3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	25.79	7.43
22 11 16 00-1374	EA	3/4" x 3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	29.41	7.43
22 11 16 00-1375	EA	1" x 1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	34.67	8.84
22 11 16 00-1376	EA	1" x 1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	50.92	8.84
22 11 16 00-1377	EA	1-1/2" x 1-1/2" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	58.69	10.64
22 11 16 00-1378		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee *(22 11 16 00-1085)*		
22 11 16 00-1379	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Tee	27.52	7.08
22 11 16 00-1380		Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting *(22 11 16 00-1085)*		
22 11 16 00-1381	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	22.22	2.36
22 11 16 00-1382		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT *(22 11 16 00-1085)*		
22 11 16 00-1383	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	18.80	
22 11 16 00-1384	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	24.79	
22 11 16 00-1385	EA	1" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	34.66	
22 11 16 00-1386		Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT *(22 11 16 00-1085)*		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	22.35	
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	31.35	
22 11 16 00-1389		Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor *(22 11 16 00-1085)*		
22 11 16 00-1390	EA	1/2" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	14.97	2.36
22 11 16 00-1391	EA	3/4" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	23.64	2.47
22 11 16 00-1392	EA	1" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	31.28	2.96
22 11 16 00-1393		Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body *(22 11 16 00-1085)*		
22 11 16 00-1394	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	18.28	5.18
22 11 16 00-1395	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	18.83	5.46
22 11 16 00-1396	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	28.09	6.48
22 11 16 00-1397	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	46.40	7.00
22 11 16 00-1398		Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve *(22 11 16 00-1085)*		
22 11 16 00-1399	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	64.01	5.18
22 11 16 00-1400	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	64.56	5.46
22 11 16 00-1401	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	77.20	6.48
22 11 16 00-1402	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	130.71	7.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1403		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1404	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	58.75	5.18
22 11 16 00-1405	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	65.39	5.46
22 11 16 00-1406	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	79.48	6.48
22 11 16 00-1407	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	114.61	7.00
22 11 16 00-1408	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	169.32	7.78
22 11 16 00-1409	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	261.84	7.96
22 11 16 00-1410		**Extension For Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1411	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	31.15	
22 11 16 00-1412	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	31.20	
22 11 16 00-1413	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	34.32	
22 11 16 00-1414		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1085)*		
22 11 16 00-1415	EA	1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	26.01	4.71
22 11 16 00-1416	EA	3/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	26.50	4.96
22 11 16 00-1417	EA	1" Diameter, Polypropylene, Heat Fusion, Draining Branch	30.15	5.92
22 11 16 00-1418	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	31.07	6.38
22 11 16 00-1419	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	34.00	7.08
22 11 16 00-1420	EA	2" Diameter, Polypropylene, Heat Fusion, Draining Branch	36.95	7.22
22 11 16 00-1421		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1422		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1421)*		
22 11 16 00-1423	LF	1/2" Diameter, Schedule 40 Red Brass Pipe	28.57	1.45
22 11 16 00-1424	LF	3/4" Diameter, Schedule 40 Red Brass Pipe	38.43	1.45
22 11 16 00-1425	LF	1" Diameter, Schedule 40 Red Brass Pipe	53.09	1.45
22 11 16 00-1426	LF	1-1/4" Diameter, Schedule 40 Red Brass Pipe	78.50	1.60
22 11 16 00-1427	LF	1-1/2" Diameter, Schedule 40 Red Brass Pipe	90.59	1.74
22 11 16 00-1428	LF	2" Diameter, Schedule 40 Red Brass Pipe	116.26	2.09
22 11 16 00-1429	LF	2-1/2" Diameter, Schedule 40 Red Brass Pipe	169.88	2.36
22 11 16 00-1430	LF	3" Diameter, Schedule 40 Red Brass Pipe	240.99	2.50
22 11 16 00-1431	LF	4" Diameter, Schedule 40 Red Brass Pipe	346.39	2.50
22 11 16 00-1432		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1433	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	44.00	17.29
22 11 16 00-1434	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	50.61	19.03
22 11 16 00-1435	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	65.42	22.50
22 11 16 00-1436	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	81.48	24.17
22 11 16 00-1437	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	92.79	25.91
22 11 16 00-1438	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	121.41	27.64
22 11 16 00-1439	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	221.85	34.58
22 11 16 00-1440	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	316.17	41.46
22 11 16 00-1441	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	582.78	55.28
22 11 16 00-1442		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1443	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	47.15	17.29
22 11 16 00-1444	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	55.19	19.03
22 11 16 00-1445	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	75.00	22.50
22 11 16 00-1446	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	94.05	24.17
22 11 16 00-1447	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	110.09	25.91
22 11 16 00-1448	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	159.18	27.64
22 11 16 00-1449	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	253.32	34.58
22 11 16 00-1450	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	412.90	41.46
22 11 16 00-1451	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	856.50	55.28
22 11 16 00-1452		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1453	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	45.60	17.29
22 11 16 00-1454	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	53.74	19.03
22 11 16 00-1455	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	71.72	22.50
22 11 16 00-1456	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	90.92	24.17
22 11 16 00-1457	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	105.36	25.91
22 11 16 00-1458	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	141.86	27.64
22 11 16 00-1459	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	234.39	34.58
22 11 16 00-1460	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	337.65	41.46
22 11 16 00-1461	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	792.90	55.28
22 11 16 00-1462		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1421)*		
22 11 16 00-1463	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	62.88	25.91
22 11 16 00-1464	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	72.41	28.34
22 11 16 00-1465	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	95.41	33.55
22 11 16 00-1466	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	121.39	36.32
22 11 16 00-1467	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	132.53	38.68
22 11 16 00-1468	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	174.24	41.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1469	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	311.46	51.87
22 11 16 00-1470	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	442.06	62.23
22 11 16 00-1471	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	952.87	82.92
22 11 16 00-1472		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1421)*		
22 11 16 00-1473	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	67.59	25.91
22 11 16 00-1474	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	75.59	28.34
22 11 16 00-1475	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	108.00	33.55
22 11 16 00-1476	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	130.83	36.32
22 11 16 00-1477	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	157.71	38.68
22 11 16 00-1478	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	213.59	41.46
22 11 16 00-1479	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	387.98	51.87
22 11 16 00-1480	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	774.61	62.23
22 11 16 00-1481	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,215.18	82.92
22 11 16 00-1482		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1421)*		
22 11 16 00-1483	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	91.18	34.58
22 11 16 00-1484	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	107.53	37.99
22 11 16 00-1485	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	138.67	44.94
22 11 16 00-1486	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	179.36	48.41
22 11 16 00-1487	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	217.44	51.87
22 11 16 00-1488	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	338.04	55.28
22 11 16 00-1489	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	568.53	69.10
22 11 16 00-1490	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	797.07	82.92
22 11 16 00-1491	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	1,512.05	110.63
22 11 16 00-1492		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1421)*		
22 11 16 00-1493	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	21.83	10.28
22 11 16 00-1494	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	25.00	11.32
22 11 16 00-1495	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	34.51	13.33
22 11 16 00-1496	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	46.95	14.37
22 11 16 00-1497	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	56.41	15.42
22 11 16 00-1498	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	81.55	16.46
22 11 16 00-1499	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	134.96	20.56
22 11 16 00-1500	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	197.91	24.66
22 11 16 00-1501	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	355.99	32.85
22 11 16 00-1502		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1421)*		
22 11 16 00-1503	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	42.45	17.29
22 11 16 00-1504	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	49.06	19.03
22 11 16 00-1505	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	63.84	22.50
22 11 16 00-1506	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	79.88	24.17
22 11 16 00-1507	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	92.79	25.91
22 11 16 00-1508	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	122.99	27.64
22 11 16 00-1509	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	179.32	34.58
22 11 16 00-1510	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	235.67	41.46
22 11 16 00-1511	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	425.38	55.28
22 11 16 00-1512		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1513	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	39.19	13.82
22 11 16 00-1514	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	45.04	15.55
22 11 16 00-1515	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	61.58	20.76
22 11 16 00-1516	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	76.33	22.50
22 11 16 00-1517	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	87.94	24.17
22 11 16 00-1518	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	110.34	25.91
22 11 16 00-1519	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	166.72	32.85
22 11 16 00-1520	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	204.43	37.99
22 11 16 00-1521	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	374.78	50.15
22 11 16 00-1522		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1523	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	40.49	13.82
22 11 16 00-1524	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	80.30	19.03
22 11 16 00-1525	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	110.39	20.76
22 11 16 00-1526	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	131.43	22.50
22 11 16 00-1527	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	180.15	25.91
22 11 16 00-1528	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	285.75	32.85
22 11 16 00-1529	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	351.39	34.58
22 11 16 00-1530	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	392.10	44.94
22 11 16 00-1531		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1421)*		
22 11 16 00-1532	EA	1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	52.83	13.82
		For 150 Lb., Add	*10.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1533	EA	3/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	65.03	15.21
		For 150 Lb., Add	*13.85*	
22 11 16 00-1534	EA	1" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	81.61	17.98
		For 150 Lb., Add	*18.26*	
22 11 16 00-1535	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	104.79	19.38
		For 150 Lb., Add	*26.43*	
22 11 16 00-1536	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	120.21	20.76
		For 150 Lb., Add	*31.49*	
22 11 16 00-1537	EA	2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	143.17	23.48
		For 150 Lb., Add	*38.47*	
22 11 16 00-1538	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	254.35	34.73
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1539	EA	3" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	376.99	45.66
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1540	EA	4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	731.32	50.56
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	

22 11 16 00-1541 125 Lb. Cast Bronze, Screwed, Companion Flanges *(22 11 16 00-1421)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-1542	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	174.09	17.29
22 11 16 00-1543	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	187.44	20.76
22 11 16 00-1544	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	214.35	24.17
22 11 16 00-1545	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	246.44	25.91
22 11 16 00-1546	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	295.66	27.64
22 11 16 00-1547	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	379.29	29.38
22 11 16 00-1548	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	481.21	34.58
22 11 16 00-1549	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	595.79	43.20
22 11 16 00-1550	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	850.68	60.49

22 11 16 00-1551 125 Lb. Cast Bronze, Screwed, Square Head Plugs *(22 11 16 00-1421)*

22 11 16 00-1552	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	14.30
22 11 16 00-1553	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	15.27
22 11 16 00-1554	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	23.70
22 11 16 00-1555	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	28.37
22 11 16 00-1556	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	33.25
22 11 16 00-1557	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	51.13
22 11 16 00-1558	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	79.92
22 11 16 00-1559	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	119.97
22 11 16 00-1560	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	207.56

22 11 16 00-1561 125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs *(22 11 16 00-1421)*

22 11 16 00-1562	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89
22 11 16 00-1563	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44
22 11 16 00-1564	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19
22 11 16 00-1565	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05
22 11 16 00-1566	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92
22 11 16 00-1567	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12
22 11 16 00-1568	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33
22 11 16 00-1569	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59
22 11 16 00-1570	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06

22 11 16 00-1571 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings *(22 11 16 00-1421)*

22 11 16 00-1572	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28
22 11 16 00-1573	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89
22 11 16 00-1574	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04
22 11 16 00-1575	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90
22 11 16 00-1576	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78
22 11 16 00-1577	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09
22 11 16 00-1578	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43
22 11 16 00-1579	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81
22 11 16 00-1580	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99

22 11 16 00-1581 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings *(22 11 16 00-1421)*

22 11 16 00-1582	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04
22 11 16 00-1583	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72
22 11 16 00-1584	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41
22 11 16 00-1585	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22
22 11 16 00-1586	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53
22 11 16 00-1587	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63
22 11 16 00-1588	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70
22 11 16 00-1589	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39
22 11 16 00-1590	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1591		**1/2" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1592	EA	1/2" Diameter x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1593	EA	1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1594	EA	1/2" Diameter x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1595	EA	1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1596	EA	1/2" Diameter x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1597	EA	1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1598	EA	1/2" Diameter x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1599	EA	1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1600	EA	1/2" Diameter x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1601	EA	1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1602	EA	1/2" Diameter x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1603		**3/4" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1604	EA	3/4" Diameter x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1605	EA	3/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1606	EA	3/4" Diameter x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1607	EA	3/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1608	EA	3/4" Diameter x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1609	EA	3/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1610	EA	3/4" Diameter x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1611	EA	3/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1612	EA	3/4" Diameter x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1613	EA	3/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1614	EA	3/4" Diameter x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1615		**1" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1616	EA	1" Diameter x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1617	EA	1" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1618	EA	1" Diameter x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1619	EA	1" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1620	EA	1" Diameter x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1621	EA	1" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1622	EA	1" Diameter x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1623	EA	1" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1624	EA	1" Diameter x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1625	EA	1" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1626	EA	1" Diameter x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1627		**1-1/4" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1628	EA	1-1/4" Diameter x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1629	EA	1-1/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1630	EA	1-1/4" Diameter x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1631	EA	1-1/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1632	EA	1-1/4" Diameter x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1633	EA	1-1/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1634	EA	1-1/4" Diameter x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1635	EA	1-1/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1636	EA	1-1/4" Diameter x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1637	EA	1-1/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1638	EA	1-1/4" Diameter x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1639		**1-1/2" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1640	EA	1-1/2" Diameter x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1641	EA	1-1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1642	EA	1-1/2" Diameter x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1643	EA	1-1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1644	EA	1-1/2" Diameter x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1645	EA	1-1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1646	EA	1-1/2" Diameter x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1647	EA	1-1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1648	EA	1-1/2" Diameter x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1649	EA	1-1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1650	EA	1-1/2" Diameter x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1651		**2" Red Brass Pipe Nipples** *(22 11 16 00-1421)* Note: Threaded both ends.		
22 11 16 00-1652	EA	2" Diameter x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1653	EA	2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1654	EA	2" Diameter x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1655	EA	2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	73.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1656	EA	2" Diameter x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1657	EA	2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1658	EA	2" Diameter x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1659	EA	2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1660	EA	2" Diameter x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1661	EA	2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1662	EA	2" Diameter x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1663		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega) *(22 11 16)*		
		Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1664		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing *(22 11 16 00-1663)*		
22 11 16 00-1665	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	3.63	2.01
22 11 16 00-1666	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	4.89	2.50
22 11 16 00-1667	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	6.00	2.63
22 11 16 00-1668	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	11.76	2.77
22 11 16 00-1669	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	12.89	2.92
22 11 16 00-1670	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	20.94	3.47
22 11 16 00-1671		Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings *(22 11 16 00-1663)*		
22 11 16 00-1672		Male Adapters *(22 11 16 00-1671)*		
22 11 16 00-1673	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	15.20	7.50
22 11 16 00-1674	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	22.19	9.93
22 11 16 00-1675	EA	1" Diameter, Male Adapter, Bronze Press Fitting	30.85	12.36
22 11 16 00-1676	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	57.02	16.01
22 11 16 00-1677	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	63.18	19.72
22 11 16 00-1678	EA	2" Diameter, Male Adapter, Bronze Press Fitting	84.22	25.07
22 11 16 00-1679		Female Adapters *(22 11 16 00-1671)*		
22 11 16 00-1680	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	17.87	7.50
22 11 16 00-1681	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	22.87	9.93
22 11 16 00-1682	EA	1" Diameter, Female Adapter, Bronze Press Fitting	36.28	12.36
22 11 16 00-1683		Tees *(22 11 16 00-1671)*		
22 11 16 00-1684	EA	1/2" Diameter, Tee, Bronze Press Fitting	25.96	12.36
22 11 16 00-1685	EA	5/8" Diameter, Tee, Bronze Press Fitting	31.11	14.93
22 11 16 00-1686	EA	3/4" Diameter, Tee, Bronze Press Fitting	32.64	14.93
22 11 16 00-1687	EA	1" Diameter, Tee, Bronze Press Fitting	53.43	19.72
22 11 16 00-1688	EA	1-1/4" Diameter, Tee, Bronze Press Fitting	91.46	24.78
22 11 16 00-1689	EA	1-1/2" Diameter, Tee, Bronze Press Fitting	109.98	29.86
22 11 16 00-1690	EA	2" Diameter, Tee, Bronze Press Fitting	146.05	37.09
22 11 16 00-1691	EA	3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting	32.64	14.93
22 11 16 00-1692	EA	1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting	47.62	19.72
22 11 16 00-1693	EA	1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting	82.97	24.78
22 11 16 00-1694	EA	1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting	101.11	29.86
22 11 16 00-1695	EA	1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting	108.26	29.86
22 11 16 00-1696	EA	2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting	135.07	37.09
22 11 16 00-1697		Couplings *(22 11 16 00-1671)*		
22 11 16 00-1698	EA	1/2" Diameter, Coupling, Bronze Press Fitting	15.31	7.50
22 11 16 00-1699	EA	5/8" Diameter, Coupling, Bronze Press Fitting	22.19	9.93
22 11 16 00-1700	EA	3/4" Diameter, Coupling, Bronze Press Fitting	21.73	9.93
22 11 16 00-1701	EA	1" Diameter, Coupling, Bronze Press Fitting	31.62	12.36
22 11 16 00-1702	EA	1-1/4" Diameter, Coupling, Bronze Press Fitting	55.68	16.01
22 11 16 00-1703	EA	1-1/2" Diameter, Coupling, Bronze Press Fitting	74.08	19.72
22 11 16 00-1704	EA	2" Diameter, Coupling, Bronze Press Fitting	99.34	25.07
22 11 16 00-1705	EA	3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting	25.17	9.93
22 11 16 00-1706	EA	1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting	31.23	12.36
22 11 16 00-1707	EA	1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	50.02	16.01
22 11 16 00-1708	EA	1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	65.40	19.72
22 11 16 00-1709	EA	1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting	68.72	19.72
22 11 16 00-1710	EA	2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting	91.90	25.07
22 11 16 00-1711		90 Degree Elbows *(22 11 16 00-1671)*		
22 11 16 00-1712	EA	1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	17.11	7.44
22 11 16 00-1713	EA	5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting	22.19	9.93
22 11 16 00-1714	EA	3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	23.52	9.93
22 11 16 00-1715	EA	1" Diameter, 90 Degree Elbow, Bronze Press Fitting	38.77	12.36
22 11 16 00-1716	EA	1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	65.81	16.01
22 11 16 00-1717	EA	1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	82.98	19.72
22 11 16 00-1718	EA	2" Diameter, 90 Degree Elbow, Bronze Press Fitting	111.71	25.07

22 11 19 Domestic Water Piping Specialties *(22 11)*

See CSI section 23 21 16 00-0000 for additional piping specialties.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0001		**Rubber Hose And Clamps** *(22 11 19)*		
22 11 19 00-0002		**General Purpose Hose** *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.35	1.50
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.67	1.50
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.74	1.50
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.85	1.50
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	14.07	2.24
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	24.61	2.24
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	26.68	2.98
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	53.52	2.98
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	72.33	2.98
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	85.60	2.98
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	120.46	3.67
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	169.98	4.96
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,013.74	150.02
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,481.35	150.02
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	577.38	45.57
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	614.99	45.57
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	21.31	6.26
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	22.45	6.72
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	24.10	7.16
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	26.75	8.05
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	32.55	9.85
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	38.22	11.79
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	48.59	15.52
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	61.48	19.40
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	8.18	2.24
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	8.65	2.24
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	9.13	2.24
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	9.71	2.24
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	10.36	2.24
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	11.26	2.98
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	12.13	2.98
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	318.54	11.30
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	193.76	7.54
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	187.03	7.54
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	139.55	15.07
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	157.68	15.07
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	252.54	20.27
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	392.42	23.05
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	530.85	24.41
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	670.70	28.63
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0054	EA	2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,147.06	27.53
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,385.51	46.01
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,757.40	58.07
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0058	EA	2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,173.06	27.53
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	2,349.56	27.53
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,796.01	46.01
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	4,159.15	58.07
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,564.06	27.53
22 11 19 00-0064	EA	2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	3,555.31	27.53
22 11 19 00-0065	EA	3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	4,135.01	46.01
22 11 19 00-0066	EA	4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	5,052.90	58.07
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	95.07	18.84
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	110.39	21.10
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	257.42	24.11
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	426.52	27.88
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	510.66	30.90
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	760.76	37.67
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,078.54	47.09
22 11 19 00-0075		**Polyvinyl Chloride (PVC) Vacuum Breakers** *(22 11 19)*		
		Note: 100 psi maximum, 140 degree F maximum.		
22 11 19 00-0076	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM050V-PV)	357.65	18.84
22 11 19 00-0077	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM075V-PV)	390.32	21.10
22 11 19 00-0078	EA	1" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM100V-PV)	429.64	23.73
22 11 19 00-0079		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0080	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	338.20	18.84
22 11 19 00-0081	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	288.45	21.10
22 11 19 00-0082	EA	1" Anti Siphon Pressure Type Vacuum Breaker	422.79	24.11
22 11 19 00-0083	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	790.34	27.88
22 11 19 00-0084	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	964.69	30.90
22 11 19 00-0085	EA	2" Anti Siphon Pressure Type Vacuum Breaker	964.14	37.67
22 11 19 00-0086		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0087	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	256.69	9.01
22 11 19 00-0088	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	508.31	10.90
22 11 19 00-0089	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	748.28	10.90
22 11 19 00-0090	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,843.82	10.90
22 11 19 00-0091	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,072.39	10.90
22 11 19 00-0092	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,542.32	10.90
22 11 19 00-0093		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0094		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0093)*		
22 11 19 00-0095	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	195.94	5.02
22 11 19 00-0096	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	383.37	5.79
22 11 19 00-0097	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	573.99	6.28
22 11 19 00-0098	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,425.44	8.10
22 11 19 00-0099	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,735.80	10.05
22 11 19 00-0100	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,976.16	10.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0101		Escutcheons *(22 11 19)*		
22 11 19 00-0102		Brass Escutcheons *(22 11 19 00-0101)*		
22 11 19 00-0103		Shallow Brass Escutcheons *(22 11 19 00-0102)*		
22 11 19 00-0104	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	11.36	1.88
22 11 19 00-0105	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	12.47	1.88
22 11 19 00-0106		Deep Bell Brass Escutcheons *(22 11 19 00-0102)*		
22 11 19 00-0107	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.90	2.11
22 11 19 00-0108	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.94	2.11
22 11 19 00-0109		Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0102)*		
22 11 19 00-0110	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	19.65	1.88
22 11 19 00-0111	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	19.89	1.88
22 11 19 00-0112	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	20.23	1.88
22 11 19 00-0113	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	21.47	1.88
22 11 19 00-0114	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	21.71	2.26
22 11 19 00-0115	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.91	2.26
22 11 19 00-0116	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.64	2.49
22 11 19 00-0117	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.63	2.64
22 11 19 00-0118	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	36.19	3.02
22 11 19 00-0119		Plastic Escutcheons *(22 11 19 00-0101)*		
22 11 19 00-0120		Split-Ring White Plastic Escutcheons *(22 11 19 00-0119)*		
22 11 19 00-0121	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	5.14	1.87
22 11 19 00-0122	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	5.14	1.87
22 11 19 00-0123	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	6.17	2.09
22 11 19 00-0124	EA	1" IPS, Split-Ring White Plastic Escutcheon	6.67	2.24
22 11 19 00-0125	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	7.17	2.46
22 11 19 00-0126	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	7.62	2.61
22 11 19 00-0127	EA	2" IPS, Split-Ring White Plastic Escutcheon	8.53	2.98
22 11 19 00-0128	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	11.85	3.20
22 11 19 00-0129	EA	3" IPS, Split-Ring White Plastic Escutcheon	15.18	3.35
22 11 19 00-0130	EA	4" IPS, Split-Ring White Plastic Escutcheon	18.87	3.73
22 11 19 00-0131		Chrome Plate Plastic Escutcheons *(22 11 19 00-0119)*		
22 11 19 00-0132	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	7.56	1.87
22 11 19 00-0133	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	8.24	2.09
22 11 19 00-0134	EA	1" IPS, Chrome Plate Plastic Escutcheon	9.34	2.24
22 11 19 00-0135	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	10.43	2.46
22 11 19 00-0136	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	10.91	2.61
22 11 19 00-0137	EA	2" IPS, Chrome Plate Plastic Escutcheon	14.14	2.98
22 11 19 00-0138	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	21.95	3.20
22 11 19 00-0139	EA	3" IPS, Chrome Plate Plastic Escutcheon	22.64	3.35
22 11 19 00-0140	EA	4" IPS, Chrome Plate Plastic Escutcheon	24.00	3.73
22 11 19 00-0141		Stainless Steel Escutcheons *(22 11 19 00-0101)*		
22 11 19 00-0142		Shallow Stainless Steel Escutcheons *(22 11 19 00-0141)*		
22 11 19 00-0143	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	16.90	1.88
22 11 19 00-0144	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	16.90	1.88
22 11 19 00-0145	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	25.33	2.11
22 11 19 00-0146		Chrome Plated Steel Escutcheons *(22 11 19 00-0101)*		
22 11 19 00-0147		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0146)*		
22 11 19 00-0148	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.44	1.87
22 11 19 00-0149	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.81	2.09
22 11 19 00-0150	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.32	2.24
22 11 19 00-0151	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.69	2.46
22 11 19 00-0152	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.06	2.61
22 11 19 00-0153	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.02	2.98
22 11 19 00-0154	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.13	3.20
22 11 19 00-0155	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.89	3.35
22 11 19 00-0156	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.55	3.58
22 11 19 00-0157	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.97	3.73
22 11 19 00-0158	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.84	4.10
22 11 19 00-0159	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.34	4.48
22 11 19 00-0160		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0146)*		
22 11 19 00-0161	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.40	1.87
22 11 19 00-0162	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.40	1.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.92	2.09
22 11 19 00-0164	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.10	2.24
22 11 19 00-0165	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.70	2.46
22 11 19 00-0166	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.27	2.61
22 11 19 00-0167	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.50	2.98
22 11 19 00-0168	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.83	3.20
22 11 19 00-0169	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	19.95	3.35
22 11 19 00-0170	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	25.18	3.58
22 11 19 00-0171	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	25.42	3.73
22 11 19 00-0172	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	44.36	4.10
22 11 19 00-0173	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	46.09	4.48
22 11 19 00-0174		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0175	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.63	2.11
22 11 19 00-0176	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.52	2.11
22 11 19 00-0177	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	5.27	2.11
22 11 19 00-0178	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.00	2.26
22 11 19 00-0179	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.52	2.49
22 11 19 00-0180	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.24	2.64
22 11 19 00-0181		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0182	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	4.81	1.88
22 11 19 00-0183	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	4.81	1.88
22 11 19 00-0184	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	4.93	1.88
22 11 19 00-0185	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	5.30	2.26
22 11 19 00-0186	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	5.74	2.49
22 11 19 00-0187	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	6.44	2.64
22 11 19 00-0188	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	7.28	3.02
22 11 19 00-0189		**Wall Hydrants** *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0190		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0189)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	375.49	18.84
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0192	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	398.73	22.61
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0193	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	414.16	27.20
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0194		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0189)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0195	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	398.13	31.65
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0196		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0189)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0197	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	223.45	23.36
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0198	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	269.34	23.36
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0199	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	269.34	23.36
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0200	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	269.34	23.36
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0201	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	280.02	47.09
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0202	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	280.02	47.09
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0203	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	311.97	47.09
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0204		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0189)* Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	197.42	18.84
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	213.43	18.84
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	215.61	18.84
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	239.63	18.84
22 11 19 00-0209	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	332.97	26.38
22 11 19 00-0210	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	342.43	26.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0211	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	342.43	26.38
22 11 19 00-0212	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	364.99	26.38
22 11 19 00-0213		Washer Boxes And Dryer Outlets *(22 11 19)*		
22 11 19 00-0214		Dryer Vent Kit *(22 11 19 00-0213)* Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0215	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	62.42	9.79
22 11 19 00-0216		Washer Boxes And Dryer Vents *(22 11 19 00-0213)* Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0217	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	207.72	15.07
22 11 19 00-0218		Ice Maker Outlet Box *(22 11 19)* Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0219	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	114.59	15.07
22 11 19 00-0220	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	117.70	15.07
22 11 19 00-0221	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	198.93	15.07
22 11 19 00-0222		Tempering Controllers For Potable Hot Water *(22 11 19)*		
22 11 19 00-0223		Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0222)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0224	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	583.16	18.25
22 11 19 00-0225	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	137.36	18.25
22 11 19 00-0226	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	317.40	18.25
22 11 19 00-0227	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	357.59	24.59
22 11 19 00-0228		Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0222)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0229	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,627.02	26.32
22 11 19 00-0230	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,820.87	32.42
22 11 19 00-0231	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,191.40	37.71
22 11 19 00-0232	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,857.96	39.63
22 11 19 00-0233	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,840.30	51.42
22 11 19 00-0234		High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0222)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0235	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,197.31	40.54
22 11 19 00-0236	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,473.51	47.14
22 11 19 00-0237	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,393.61	49.55
22 11 19 00-0238	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	7,065.65	64.27
22 11 19 00-0239		Thermostatic Mixing Valves (Leonard) *(22 11 19 00-0222)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0240	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,408.93	26.32
22 11 19 00-0241	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,654.96	32.42
22 11 19 00-0242	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	2,039.68	37.71
22 11 19 00-0243	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,511.21	39.65
22 11 19 00-0244	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,750.77	51.42
22 11 19 00-0245		Water Mixing/Self Operating Temperature Regulator *(22 11 19 00-0222)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0246	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,317.48	37.67
22 11 19 00-0247	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,493.86	47.47
22 11 19 00-0248	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,832.86	57.26

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22 11 19 00-0249	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,206.01	67.06
22 11 19 00-0250	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,029.04	88.16
22 11 19 00-0251	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,978.53	100.63
22 11 19 00-0252		Thermostatic Mixing Valves (Holby) *(22 11 19 00-0222)*		
22 11 19 00-0253	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,599.41	51.44
22 11 19 00-0254		Backflow Preventer Valves *(22 11 19)*		
22 11 19 00-0255		Double Check Valve Backflow Preventer Assemblies *(22 11 19 00-0254)*		
22 11 19 00-0256		Threaded Double Check Valve Assemblies *(22 11 19 00-0255)*		
22 11 19 00-0257		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0256)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0258	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	465.58	20.20
		For Work In Restricted Working Space, Add	*15.15*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0259	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	540.18	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0260	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	619.08	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0261	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	882.82	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0262	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,100.96	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0263	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,254.92	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-1,104.22*	
22 11 19 00-0264		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0256)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0265	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	584.36	20.20
		For Work In Restricted Working Space, Add	*15.15*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0266	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	714.14	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0267	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	832.35	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0268	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,186.70	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0269	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,458.87	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0270	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,749.06	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-1,598.36*	
22 11 19 00-0271		Flanged Double Check Valve Assemblies *(22 11 19 00-0255)*		
22 11 19 00-0272		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0273	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,646.82	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0274	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,301.40	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-7,054.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0275 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0276	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,299.84	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0277	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,389.76	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-8,143.22*	

22 11 19 00-0278 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0279	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,693.91	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0280	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,044.03	187.51
		For Work In Restricted Working Space, Add	*73.97*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0281	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	7,909.12	277.79
		For Work In Restricted Working Space, Add	*111.06*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0282	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	11,841.08	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0283	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	27,544.16	581.26
		For Work In Restricted Working Space, Add	*315.06*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0284	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	35,466.41	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-34,216.38*	

22 11 19 00-0285 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0286	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,288.23	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0287	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,306.80	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0288	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	41,378.94	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-40,128.91*	

22 11 19 00-0289 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0290	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,121.13	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0291	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	7,822.83	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0292	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,409.41	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0293	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	13,968.28	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0294	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	29,310.60	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0295	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	37,745.84	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

22 11 19 00-0296 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0297	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,169.72	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0298	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,589.02	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0299	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,107.62	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0300	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,107.70	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0301	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	15,695.64	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0302	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,921.87	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

22 11 19 00-0303 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0304	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,570.38	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0305	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,989.68	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0306	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,448.16	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0307	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,025.88	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0308	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	21,502.78	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0309	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	25,587.58	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-24,337.55*	

22 11 19 00-0310 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0311	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	3,891.14	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0312	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,323.10	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0313	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,854.21	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0314	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	7,908.63	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0315	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	15,503.79	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0316	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	17,457.52	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-16,207.49*	

22 11 19 00-0317 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0318	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,174.35	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-4,952.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0319	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,593.64	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0320	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,052.62	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0321	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,604.59	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0322	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	20,865.11	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0323	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	24,948.04	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-23,698.01*	

22 11 19 00-0324 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

22 11 19 00-0325	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,550.00	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0326	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,969.30	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0327	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,487.90	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0328	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,497.56	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0329	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,085.50	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0330 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs *(22 11 19 00-0271)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).

22 11 19 00-0331	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	5,950.66	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0332	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,369.95	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0333	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,828.44	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0334	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,415.82	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0335	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,085.50	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

22 11 19 00-0336 Grooved Double Check Valve Assemblies *(22 11 19 00-0255)*

22 11 19 00-0337 Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0336)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).

22 11 19 00-0338	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	3,891.14	88.90
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0339	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,323.10	98.61
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-4,076.56*	

22 11 19 00-0340 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0336)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).

22 11 19 00-0341	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,174.35	88.90
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0342	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,593.64	98.61
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-5,347.10*	

22 11 19 00-0343 Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0254)*

22 11 19 00-0344 Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0343)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0345		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0344)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0346	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	526.49	17.49
		For Work In Restricted Working Space, Add	*13.11*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0347	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	554.45	19.29
		For Work In Restricted Working Space, Add	*14.47*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0348	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	650.16	20.20
		For Work In Restricted Working Space, Add	*15.15*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0349	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	870.23	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0350	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,030.60	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0351	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,581.30	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0352	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,665.21	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0353	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,989.03	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-1,838.33*	
22 11 19 00-0354		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0344)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0355	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	584.93	17.49
		For Work In Restricted Working Space, Add	*13.11*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0356	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	616.04	19.29
		For Work In Restricted Working Space, Add	*14.47*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0357	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	734.57	28.63
		For Work In Restricted Working Space, Add	*15.15*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0358	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,002.89	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0359	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,196.47	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0360	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,807.51	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0361	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,984.44	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0362	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,380.69	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0363		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0344)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0364	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	870.23	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0365	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,030.60	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0366	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,581.30	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0367	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,665.21	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0368	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,989.03	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0369		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0344)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0370	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,002.89	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0371	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,196.47	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0372	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,807.51	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0373	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,984.44	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0374	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,380.69	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0375		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0344)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0376	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,855.51	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0377	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,194.19	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0378	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,402.29	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0379	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,673.39	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0380	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,248.63	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-4,097.93*	
22 11 19 00-0381		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0344)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0382	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,518.63	28.63
		For Work In Restricted Working Space, Add	*21.47*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0383	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,992.15	34.96
		For Work In Restricted Working Space, Add	*26.22*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0384	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,586.77	40.69
		For Work In Restricted Working Space, Add	*30.52*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0385	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,006.53	46.72
		For Work In Restricted Working Space, Add	*34.81*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0386	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,936.76	60.28
		For Work In Restricted Working Space, Add	*45.21*	
		For Owner Furnished Material, Deduct	*-5,786.06*	
22 11 19 00-0387		**Flanged Reduced Pressure Zone Assemblies** *(22 11 19 00-0343)*		
22 11 19 00-0388		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0387)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0389	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,099.39	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0390	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,875.80	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0391		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0392	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,304.71	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0393	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,276.05	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0394		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0395	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,560.73	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0396	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,642.52	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-7,395.98*	
22 11 19 00-0397		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0398	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,304.71	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0399	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,276.05	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0400		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0401	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,128.29	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0402	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,414.77	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-9,168.23*	
22 11 19 00-0403		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0404	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,600.64	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0405	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,047.96	187.51
		For Work In Restricted Working Space, Add	*73.97*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0406	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,123.17	277.79
		For Work In Restricted Working Space, Add	*111.06*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0407	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	22,415.69	387.51
		For Work In Restricted Working Space, Add	*294.03*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0408	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	37,318.24	581.26
		For Work In Restricted Working Space, Add	*441.04*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0409	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	48,730.04	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-47,480.01*	
22 11 19 00-0410		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0387)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0411	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,437.22	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-11,215.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0412	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	12,928.39	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0413	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,473.04	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0414	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	24,676.46	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0415	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,035.05	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0416	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	54,489.39	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0417 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0387)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0418	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,289.39	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0419	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	12,837.43	187.51
		For Work In Restricted Working Space, Add	*73.97*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0420	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,104.32	277.79
		For Work In Restricted Working Space, Add	*111.06*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0421	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	23,565.89	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0422	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	39,289.12	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0423	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	51,893.60	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0424 Double Check Detector Assemblies *(22 11 19 00-0254)*

22 11 19 00-0425 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0424)*

22 11 19 00-0426 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0425)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0427	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,406.08	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0428	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,719.03	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0429	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	11,541.32	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0430	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	20,646.30	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0431	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	28,031.52	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0432 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0425)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0433	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,267.11	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,044.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0434	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,685.98	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0435	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,213.92	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0436	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,586.57	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0437	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,113.27	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0438	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	20,170.38	687.52
		For Work In Restricted Working Space, Add	*375.01*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0439 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0425)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0440	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,647.47	166.68
		For Work In Restricted Working Space, Add	*66.67*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0441	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,066.34	187.51
		For Work In Restricted Working Space, Add	*73.96*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0442	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,594.20	277.79
		For Work In Restricted Working Space, Add	*111.05*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0443	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	9,976.43	387.51
		For Work In Restricted Working Space, Add	*210.01*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0444	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	16,645.52	581.26
		For Work In Restricted Working Space, Add	*315.01*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0445 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0424)*

22 11 19 00-0446 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0445)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0447	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,147.02	166.68
		For Work In Restricted Working Space, Add	*66.67*	
22 11 19 00-0448	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,565.94	187.51
		For Work In Restricted Working Space, Add	*73.96*	
22 11 19 00-0449	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,093.88	277.79
		For Work In Restricted Working Space, Add	*111.05*	
22 11 19 00-0450	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,466.53	387.51
		For Work In Restricted Working Space, Add	*210.01*	
22 11 19 00-0451	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	16,993.31	581.26
		For Work In Restricted Working Space, Add	*315.01*	
22 11 19 00-0452	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,050.25	687.52
		For Work In Restricted Working Space, Add	*375.01*	

22 11 19 00-0453 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0445)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0454	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,527.34	166.68
		For Work In Restricted Working Space, Add	*66.67*	
22 11 19 00-0455	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,946.22	187.51
		For Work In Restricted Working Space, Add	*73.96*	
22 11 19 00-0456	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,474.15	277.79
		For Work In Restricted Working Space, Add	*111.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0457	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	9,856.31	387.51
		For Work In Restricted Working Space, Add	*210.01*	
22 11 19 00-0458	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	17,383.17	581.26
		For Work In Restricted Working Space, Add	*315.01*	

22 11 19 00-0459 Backflow Preventer Accessories *(22 11 19 00-0254)*

22 11 19 00-0460 Air Gap *(22 11 19 00-0459)*

22 11 19 00-0461	EA	Up To 1" Diameter Air Gap For Backflow Preventer	129.30	9.42
22 11 19 00-0462	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	159.56	11.30
22 11 19 00-0463	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	308.90	15.07
22 11 19 00-0464	EA	4" To 6" Diameter Air Gap For Backflow Preventer	616.21	26.38
22 11 19 00-0465	EA	8" To 10" Diameter Air Gap For Backflow Preventer	638.82	37.67

22 11 19 00-0466 Brass Test Cocks *(22 11 19 00-0459)*

22 11 19 00-0467	EA	1/8" Or 1/4" Brass Test Cock	52.74	3.77

22 11 19 00-0468 Backflow Valve Enclosures *(22 11 19 00-0254)*

22 11 19 00-0469 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0468)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0470	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,940.28	67.82
		For Heated Enclosure, Add	*265.61*	
22 11 19 00-0471	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,435.74	67.82
		For Heated Enclosure, Add	*339.93*	
22 11 19 00-0472	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,163.49	62.50
		For Heated Enclosure, Add	*451.09*	
22 11 19 00-0473	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,228.51	83.33
		For Heated Enclosure, Add	*453.03*	
22 11 19 00-0474	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,396.53	83.33
		For Heated Enclosure, Add	*478.23*	
22 11 19 00-0475	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,051.41	83.33
		For Heated Enclosure, Add	*576.46*	
22 11 19 00-0476	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,068.64	83.33
		For Heated Enclosure, Add	*579.05*	
22 11 19 00-0477	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,184.51	83.33
		For Heated Enclosure, Add	*746.43*	
22 11 19 00-0478	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	12,156.23	125.01
		For Heated Enclosure, Add	*1,776.56*	
22 11 19 00-0479	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	17,787.27	125.01
		For Heated Enclosure, Add	*2,621.21*	
22 11 19 00-0480	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	16,882.51	125.01
		For Heated Enclosure, Add	*2,485.50*	
22 11 19 00-0481	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	20,342.52	145.84
		For Heated Enclosure, Add	*2,996.69*	

22 11 19 00-0482 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0468)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0483	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,107.23	18.09
		For Heated Enclosure, Add	*215.42*	
22 11 19 00-0484	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,563.92	18.09
		For Heated Enclosure, Add	*306.76*	
22 11 19 00-0485	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,983.78	16.67
		For Heated Enclosure, Add	*391.20*	
22 11 19 00-0486	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,026.41	16.67
		For Heated Enclosure, Add	*599.73*	
22 11 19 00-0487	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,876.09	31.25
		For Heated Enclosure, Add	*1,564.80*	
22 11 19 00-0488	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	10,792.86	31.25
		For Heated Enclosure, Add	*2,148.15*	
22 11 19 00-0489	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,152.28	31.25
		For Heated Enclosure, Add	*1,420.04*	
22 11 19 00-0490	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,108.74	31.25
		For Heated Enclosure, Add	*1,611.33*	
22 11 19 00-0491	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	12,748.86	31.25
		For Heated Enclosure, Add	*2,539.35*	

22 11 19 00-0492 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets *(22 11 19 00-0468)*

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

22 11 19 00-0493	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	828.77	67.82
22 11 19 00-0494	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	919.07	83.33
22 11 19 00-0495	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,001.48	83.33
22 11 19 00-0496	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,236.33	83.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0497		**Sectional, Insulated Aluminum Valve Enclosures** *(22 11 19 00-0468)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0498	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	15,874.35	125.01
		For Heated Enclosure, Add	*2,334.27*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0499	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	17,541.69	125.01
		For Heated Enclosure, Add	*2,584.38*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0500	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	12,358.72	125.01
		For Heated Enclosure, Add	*1,806.93*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0501	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	13,590.92	125.01
		For Heated Enclosure, Add	*1,991.76*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0502	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,750.17	166.68
		For Heated Enclosure, Add	*2,300.02*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0503	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	17,723.40	166.68
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0504	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	17,723.40	166.68
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0505	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	19,636.32	166.68
		For Heated Enclosure, Add	*2,882.95*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0506	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	14,681.32	145.84
		For Heated Enclosure, Add	*2,147.51*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0507	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	17,202.09	166.68
		For Heated Enclosure, Add	*2,517.81*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0508	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	20,187.79	166.68
		For Heated Enclosure, Add	*2,965.67*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0509	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	22,178.46	177.10
		For Heated Enclosure, Add	*3,260.36*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0510	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	22,673.92	177.10
		For Heated Enclosure, Add	*3,334.68*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0511	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	25,164.35	187.51
		For Heated Enclosure, Add	*3,704.34*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0512	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	26,150.96	187.51
		For Heated Enclosure, Add	*3,852.33*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0513	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	18,895.28	166.68
		For Heated Enclosure, Add	*2,771.79*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0514	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	20,174.86	166.68
		For Heated Enclosure, Add	*2,963.73*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0515	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	22,863.49	177.10
		For Heated Enclosure, Add	*3,363.11*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0516	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	27,792.45	187.51
		For Heated Enclosure, Add	*4,098.55*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0517	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	24,177.73	187.51
		For Heated Enclosure, Add	*3,556.34*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0518	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	29,136.86	197.93
		For Heated Enclosure, Add	*4,296.31*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0519	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	28,150.25	197.93
		For Heated Enclosure, Add	*4,148.31*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0520	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	32,669.92	208.34
		For Heated Enclosure, Add	*4,822.36*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0521	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	30,149.52	208.34
		For Heated Enclosure, Add	*4,444.30*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0522	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	35,255.13	218.76
		For Heated Enclosure, Add	*5,206.23*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0523	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	35,281.18	229.18
		For Heated Enclosure, Add	*5,206.23*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0524	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	41,920.57	239.60
		For Heated Enclosure, Add	*6,198.24*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

22 11 19 00-0525 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0526 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0525)*

22 11 19 00-0527	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	47.34	7.54
22 11 19 00-0528	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	53.70	8.29
22 11 19 00-0529	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	15.44	5.65

22 11 19 00-0530 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0525)*

22 11 19 00-0531	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	207.18	23.05

22 11 19 00-0532 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0525)*

22 11 19 00-0533	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	106.64	18.84
22 11 19 00-0534	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	114.91	20.87
22 11 19 00-0535	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	121.28	22.08
22 11 19 00-0536	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	127.65	23.66
22 11 19 00-0537	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	134.10	25.10

22 11 19 00-0538 Keyed, Recessed Valve Boxes *(22 11 19)*

22 11 19 00-0539	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	380.47	22.38
22 11 19 00-0540	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	428.44	22.38
22 11 19 00-0541	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	500.38	22.38
22 11 19 00-0542	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	467.34	29.83
22 11 19 00-0543	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	539.29	29.83
22 11 19 00-0544	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	560.87	29.83
22 11 19 00-0545	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	457.22	22.38
22 11 19 00-0546	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	562.74	22.38
22 11 19 00-0547	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	656.27	22.38
22 11 19 00-0548	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	601.64	29.83
22 11 19 00-0549	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	695.17	29.83
22 11 19 00-0550	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	731.14	29.83

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,242.95	222.24
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,703.96	298.62
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,299.99	375.02
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,828.52	451.41
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	21,842.25	527.81
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,193.51	604.20
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	25,734.68	680.59

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	47,959.10	901.53
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	58,256.69	957.87
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	68,597.33	1,014.21

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	64,011.83	957.87
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	80,383.55	1,014.21
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	100,425.17	1,126.91
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	127,949.31	1,239.60
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	155,473.44	1,352.30
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	181,330.89	1,521.33
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	207,188.34	1,690.37
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	233,045.79	1,859.40
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	259,044.11	2,084.78

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,017.47	125.01
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,049.86	125.01
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,103.87	127.44
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,228.55	132.65
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,356.99	137.68
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,528.42	137.68
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	3,862.42	151.58
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,014.72	166.53
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	4,888.96	183.23
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	4,974.75	201.65
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,438.90	221.47
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	7,907.89	243.72
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,148.17	255.54

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,067.69	125.01
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	1,916.35	125.01
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,921.38	127.44
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,953.74	130.22
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	1,958.59	132.65
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,991.97	137.68
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,460.65	151.58
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,193.62	183.23
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,351.49	201.65
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	3,933.93	221.47
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,394.31	243.72
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,351.62	255.54
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	5,642.16	268.41
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,054.90	295.04
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,652.01	312.91
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,525.22	347.68
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,967.64	417.28
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	11,509.34	486.96

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	34,900.68	4,864.82
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	41,312.16	4,864.82
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	77,704.98	7,507.46
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	100,196.53	9,729.66

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	44,399.17	4,864.82
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	66,720.64	4,864.82
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	98,551.90	7,507.46
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	145,895.75	9,729.66

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,468.40	277.79
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,053.16	347.24
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,040.42	381.97
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	6,688.98	416.68
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	13,875.94	451.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	11,804.38	486.14
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	20,754.15	520.86
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,007.34	555.59
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	20,669.37	590.31
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	24,749.84	625.04

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,049.67	277.79
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,232.54	347.24
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,374.47	381.97
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	6,730.20	416.68
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	5,617.58	416.68
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	8,989.93	451.41
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	9,733.30	486.14
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,227.85	486.14
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,353.51	486.14
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	11,656.06	520.86
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	12,659.44	555.59
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	14,783.21	590.31
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	28,493.68	625.04

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	635.17	156.25
		For Saddle Assembly, Add	*727.53*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	744.79	182.30
		For Saddle Assembly, Add	*727.53*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	891.84	208.34
		For Saddle Assembly, Add	*854.84*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,106.30	234.39
		For Saddle Assembly, Add	*1,351.59*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,348.20	260.43
		For Two Tie Down Bands, Add	*403.44*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,710.82	345.34
		For Two Tie Down Bands, Add	*438.39*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,679.40	402.90
		For Three Tie Down Bands, Add	*769.92*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,996.31	460.46
		For Three Tie Down Bands, Add	*777.41*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,049.07	518.01
		For Four Tie Down Bands, Add	*1,056.51*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,948.21	575.56
		For Four Tie Down Bands, Add	*1,565.74*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,707.26	633.12
		For Four Tie Down Bands, Add	*2,124.90*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,131.96	690.68
		For Four Tie Down Bands, Add	*2,314.61*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	14,630.34	920.90
		For Four Tie Down Bands, Add	*2,644.12*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,218.18	920.90
		For Five Tie Down Bands, Add	*4,216.27*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	654.70	208.34
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	819.34	221.36
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	909.09	234.39
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,126.04	260.43
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,267.87	312.52
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,502.08	364.61
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,121.64	460.46
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,769.37	575.56
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,811.51	690.68
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,088.30	805.79
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,770.47	920.90
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	10,747.19	1,036.02
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	12,208.69	1,151.13
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	13,455.52	1,266.24
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	15,586.03	1,381.36
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	17,674.09	1,496.47
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	22,133.57	1,611.58
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	26,734.06	1,841.81

22 13 Facility Sanitary Sewerage *(22 10)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In Assemblies *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0390 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	940.13
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,363.01
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	835.08
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	563.49
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	666.10
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	820.16
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	897.19
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	537.89
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	835.08
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	842.63
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	807.89
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	940.13
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,484.67
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	914.58

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,266.06
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,826.35
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,089.36
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	698.61
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	896.28
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	956.90
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	651.06
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,096.30
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	901.50
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	884.15
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,266.06

22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	632.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	913.17	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	545.02	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	349.65	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	448.15	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	478.44	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	342.89	
22 13 13 00-0037	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	547.81	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	450.75	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	442.41	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	627.84	

22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	484.46	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	597.93	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	448.77	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	282.22	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	331.88	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	434.40	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	453.08	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	275.41	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	448.77	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	468.09	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	437.65	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	484.38	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	754.46	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	468.26	

22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	613.47	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	787.79	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	531.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	328.03	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	456.42	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	480.75	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	313.77	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	537.32	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	488.05	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	472.56	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	613.47	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	306.44	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	393.55	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	265.77	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	164.05	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	228.19	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	240.21	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	156.89	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	268.60	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	244.05	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	236.57	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	301.84	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	30.29	4.37
		For Work In Restricted Working Space, Add	*3.21*	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	43.83	6.60
		For Work In Restricted Working Space, Add	*4.35*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	56.99	8.40
		For Work In Restricted Working Space, Add	*5.60*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	67.70	9.75
		For Work In Restricted Working Space, Add	*5.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	80.48	10.62
		For Work In Restricted Working Space, Add	*6.09*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	131.06	15.27
		For Work In Restricted Working Space, Add	*8.65*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	200.34	15.27
		For Work In Restricted Working Space, Add	*9.79*	
22 13 16 00-0010		**Aboveground No Hub Cast Iron Soil Pipe Assemblies** *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.87	4.17
		For Work In Restricted Working Space, Add	*3.66*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.38	4.44
		For Work In Restricted Working Space, Add	*3.93*	
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.25	6.46
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	46.34	8.40
		For Work In Restricted Working Space, Add	*5.76*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.16	9.56
		For Work In Restricted Working Space, Add	*6.49*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	70.90	10.44
		For Work In Restricted Working Space, Add	*7.07*	
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	115.62	15.14
		For Work In Restricted Working Space, Add	*9.86*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	174.11	17.20
		For Work In Restricted Working Space, Add	*11.46*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	22.29	4.37
		For Extra Heavy Pipe, Add	*6.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.33*	
		For Work In Restricted Working Space, Add	*1.98*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	32.39	6.60
		For Extra Heavy Pipe, Add	*9.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.98*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	41.84	8.40
		For Extra Heavy Pipe, Add	*12.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	55.82	9.75
		For Extra Heavy Pipe, Add	*17.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.73*	
		For Work In Restricted Working Space, Add	*4.37*	
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	66.13	10.62
		For Extra Heavy Pipe, Add	*21.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.80*	
		For Work In Restricted Working Space, Add	*4.77*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	101.02	15.27
		For Extra Heavy Pipe, Add	*32.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.15*	
		For Work In Restricted Working Space, Add	*6.87*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	155.81	17.20
		For Extra Heavy Pipe, Add	*54.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.29*	
		For Work In Restricted Working Space, Add	*7.73*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	223.26	22.93
		For Extra Heavy Pipe, Add	*79.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	317.33	27.52
		For Extra Heavy Pipe, Add	*115.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.06*	
		For Work In Restricted Working Space, Add	*12.37*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	95.81	19.94
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	171.36	25.07
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	228.32	33.33
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	362.14	41.25
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.55*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	750.34	53.74
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.17*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,034.65	66.11
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,596.90	92.27
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.92*	
		For Work In Restricted Working Space, Add	*41.50*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,013.61	128.48
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.63*	
		For Work In Restricted Working Space, Add	*57.79*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	78.40	19.94
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	142.14	25.07
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	195.46	33.33
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	304.14	35.07
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	368.40	41.25
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.55*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	624.40	53.74
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.17*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	927.19	66.11
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,556.82	92.27
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.92*	
		For Work In Restricted Working Space, Add	*41.50*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	68.56	19.86
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.94*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	111.01	22.37
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.68*	
		For Work In Restricted Working Space, Add	*10.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	160.93	29.79
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.23*	
		For Work In Restricted Working Space, Add	*13.40*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	203.10	31.31
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.35*	
		For Work In Restricted Working Space, Add	*14.08*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	244.40	37.50
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.81*	
		For Work In Restricted Working Space, Add	*16.88*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	541.03	49.48
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.71*	
		For Work In Restricted Working Space, Add	*22.25*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	812.36	60.05
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.50*	
		For Work In Restricted Working Space, Add	*27.01*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,080.27	70.88
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.89*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,838.17	111.80
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.27*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	60.81	19.94
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	101.41	25.07
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	146.86	33.33
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	180.91	39.19
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.62*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	211.03	43.69
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.28*	
		For Work In Restricted Working Space, Add	*19.66*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	452.93	59.28
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.66*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	644.40	73.13
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.48*	
		For Work In Restricted Working Space, Add	*32.90*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,067.42	94.85
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.11*	
		For Work In Restricted Working Space, Add	*42.65*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,123.83	111.80
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.27*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	96.55	44.52
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	128.87	48.75
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	169.98	63.90
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	224.81	67.44
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.06*	
		For Work In Restricted Working Space, Add	*30.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	287.43	79.94
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.99*	
		For Work In Restricted Working Space, Add	*35.96*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	573.18	108.25
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.12*	
		For Work In Restricted Working Space, Add	*48.69*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	836.27	122.82
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.21*	
		For Work In Restricted Working Space, Add	*55.23*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,273.29	149.48
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.21*	
		For Work In Restricted Working Space, Add	*67.23*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,048.01	167.73
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.57*	
		For Work In Restricted Working Space, Add	*75.44*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	176.87	46.53
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.49*	
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	214.38	57.50
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.31*	
		For Work In Restricted Working Space, Add	*25.88*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	244.43	58.96
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.54*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	367.30	71.62
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.20*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	377.40	72.94
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	393.36	77.81
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	612.69	87.05
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.53*	
		For Work In Restricted Working Space, Add	*39.15*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	643.04	88.73
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.65*	
		For Work In Restricted Working Space, Add	*39.90*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	656.16	92.91
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.79*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	782.63	103.35
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.49*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,000.02	96.84
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.26*	
		For Work In Restricted Working Space, Add	*43.56*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,039.86	101.09
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.58*	
		For Work In Restricted Working Space, Add	*45.48*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,136.30	111.80
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.38*	
		For Work In Restricted Working Space, Add	*50.27*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,535.80	118.56
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.89*	
		For Work In Restricted Working Space, Add	*53.32*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,584.70	118.56
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.89*	
		For Work In Restricted Working Space, Add	*53.32*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,643.54	128.48
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.63*	
		For Work In Restricted Working Space, Add	*57.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,948.32	134.86
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.11*	
		For Work In Restricted Working Space, Add	*60.65*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,396.94	138.85
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.41*	
		For Work In Restricted Working Space, Add	*62.46*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,076.11	130.93
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.89*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,248.27	141.69
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.62*	
		For Work In Restricted Working Space, Add	*63.74*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,331.69	147.81
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.08*	
		For Work In Restricted Working Space, Add	*66.48*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,430.79	152.84
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.46*	
		For Work In Restricted Working Space, Add	*68.73*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,537.00	161.73
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.12*	
		For Work In Restricted Working Space, Add	*72.74*	
22 13 16 00-0103		**Bell And Spigot Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	109.30	44.52
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	136.73	48.75
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	183.66	63.90
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	265.31	70.75
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.30*	
		For Work In Restricted Working Space, Add	*31.81*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	333.21	87.75
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.46*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	665.66	116.56
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.42*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	978.08	152.84
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.46*	
		For Work In Restricted Working Space, Add	*68.73*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,320.93	196.46
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.73*	
		For Work In Restricted Working Space, Add	*88.37*	
22 13 16 00-0112		**Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	117.51	46.53
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.49*	
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	173.91	57.50
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.31*	
		For Work In Restricted Working Space, Add	*25.88*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	191.02	58.96
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.42*	
		For Work In Restricted Working Space, Add	*26.54*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	290.70	71.62
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.20*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	304.68	72.94
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	322.40	77.81
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	470.41	87.05
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.53*	
		For Work In Restricted Working Space, Add	*39.15*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	479.22	92.91
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.79*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	621.61	103.35
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.49*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	197.44	53.27
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.95*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	298.11	67.15
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.20*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	410.88	84.93
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.37*	
		For Work In Restricted Working Space, Add	*38.21*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	813.02	122.82
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.21*	
		For Work In Restricted Working Space, Add	*55.24*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,750.11	146.33
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.97*	
		For Work In Restricted Working Space, Add	*65.81*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,354.36	163.73
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.27*	
		For Work In Restricted Working Space, Add	*73.64*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,536.06	196.46
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.73*	
		For Work In Restricted Working Space, Add	*88.37*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,735.59	206.19
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.46*	
		For Work In Restricted Working Space, Add	*92.79*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	163.85	62.99
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.72*	
		For Work In Restricted Working Space, Add	*28.34*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	191.27	72.37
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.43*	
		For Work In Restricted Working Space, Add	*32.55*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	209.73	75.91
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.16*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	270.82	85.19
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.39*	
		For Work In Restricted Working Space, Add	*38.31*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	289.31	88.44
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.63*	
		For Work In Restricted Working Space, Add	*39.77*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	339.20	96.44
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.23*	
		For Work In Restricted Working Space, Add	*43.38*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	601.13	112.76
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.45*	
		For Work In Restricted Working Space, Add	*50.70*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	642.31	133.45
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.01*	
		For Work In Restricted Working Space, Add	*60.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	639.73	120.62
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.26*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	744.24	141.69
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.62*	
		For Work In Restricted Working Space, Add	*63.74*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	940.62	154.45
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.58*	
		For Work In Restricted Working Space, Add	*69.47*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	960.49	157.99
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.84*	
		For Work In Restricted Working Space, Add	*71.07*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,262.78	171.91
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.89*	
		For Work In Restricted Working Space, Add	*77.32*	
22 13 16 00-0145		**Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	155.28	53.27
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.95*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	209.59	71.25
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.34*	
		For Work In Restricted Working Space, Add	*32.05*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	278.15	89.10
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.68*	
		For Work In Restricted Working Space, Add	*40.07*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	654.06	137.26
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.29*	
		For Work In Restricted Working Space, Add	*61.74*	
22 13 16 00-0150		**Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	215.03	63.90
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	258.78	72.37
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.43*	
		For Work In Restricted Working Space, Add	*32.55*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	291.29	80.56
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.04*	
		For Work In Restricted Working Space, Add	*36.22*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	632.07	102.37
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.68*	
		For Work In Restricted Working Space, Add	*46.06*	
22 13 16 00-0155		**Bell And Spigot Cast Iron Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	125.64	44.58
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.05*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	144.90	48.75
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	253.00	59.73
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.48*	
		For Work In Restricted Working Space, Add	*26.88*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	384.49	62.38
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.68*	
		For Work In Restricted Working Space, Add	*28.07*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	461.29	74.82
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.61*	
		For Work In Restricted Working Space, Add	*33.65*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,067.49	98.90
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.41*	
		For Work In Restricted Working Space, Add	*44.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,636.73	120.62
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.26*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,486.64	141.69
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.62*	
		For Work In Restricted Working Space, Add	*63.74*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	182.45	46.53
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.49*	
		For Work In Restricted Working Space, Add	*20.94*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	216.65	54.52
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	229.65	54.52
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	349.97	71.62
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.20*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	366.26	72.94
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	398.93	77.81
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	729.82	92.91
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.79*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	931.81	103.35
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.49*	

22 13 16 00-0173 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	105.16	44.52
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	116.49	48.75
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	149.24	63.90
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	

22 13 16 00-0177 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0178	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	107.70	44.52
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0179	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	121.32	48.75
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0180	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	161.37	63.90
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	

22 13 16 00-0181 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0182	EA	3" x 2" Bell And Spigot Cast Iron Reducer	59.27	25.07
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0183	EA	4" x 2" Bell And Spigot Cast Iron Reducer	72.33	33.06
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.48*	
		For Work In Restricted Working Space, Add	*14.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0184	EA	4" x 3" Bell And Spigot Cast Iron Reducer	79.49	33.33
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0185	EA	6" x 2" Bell And Spigot Cast Iron Reducer	99.72	37.87
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.84*	
		For Work In Restricted Working Space, Add	*17.05*	
22 13 16 00-0186	EA	6" x 3" Bell And Spigot Cast Iron Reducer	105.79	38.37
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.88*	
		For Work In Restricted Working Space, Add	*17.27*	
22 13 16 00-0187	EA	6" x 4" Bell And Spigot Cast Iron Reducer	109.72	39.19
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.62*	
22 13 16 00-0188	EA	8" x 2" Bell And Spigot Cast Iron Reducer	154.70	40.37
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.03*	
		For Work In Restricted Working Space, Add	*18.17*	
22 13 16 00-0189	EA	8" x 3" Bell And Spigot Cast Iron Reducer	170.39	50.20
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.58*	
22 13 16 00-0190	EA	8" x 4" Bell And Spigot Cast Iron Reducer	174.89	51.48
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0191	EA	8" x 6" Bell And Spigot Cast Iron Reducer	180.02	53.74
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.17*	
22 13 16 00-0192	EA	10" x 4" Bell And Spigot Cast Iron Reducer	232.80	60.31
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.52*	
		For Work In Restricted Working Space, Add	*27.13*	
22 13 16 00-0193	EA	10" x 6" Bell And Spigot Cast Iron Reducer	245.72	63.34
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.75*	
		For Work In Restricted Working Space, Add	*28.50*	
22 13 16 00-0194	EA	10" x 8" Bell And Spigot Cast Iron Reducer	263.47	66.11
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	
22 13 16 00-0195	EA	12" x 4" Bell And Spigot Cast Iron Reducer	339.82	71.65
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.22*	
22 13 16 00-0196	EA	12" x 6" Bell And Spigot Cast Iron Reducer	374.31	83.83
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.29*	
		For Work In Restricted Working Space, Add	*37.72*	
22 13 16 00-0197	EA	12" x 8" Bell And Spigot Cast Iron Reducer	399.14	95.49
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.16*	
		For Work In Restricted Working Space, Add	*42.96*	
22 13 16 00-0198	EA	12" x 10" Bell And Spigot Cast Iron Reducer	430.94	109.99
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.47*	
22 13 16 00-0199	EA	15" x 6" Bell And Spigot Cast Iron Reducer	603.08	109.99
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.47*	
22 13 16 00-0200	EA	15" x 8" Bell And Spigot Cast Iron Reducer	639.88	118.56
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.89*	
		For Work In Restricted Working Space, Add	*53.32*	
22 13 16 00-0201	EA	15" x 10" Bell And Spigot Cast Iron Reducer	664.44	125.00
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.37*	
		For Work In Restricted Working Space, Add	*56.24*	
22 13 16 00-0202	EA	15" x 12" Bell And Spigot Cast Iron Reducer	698.09	133.45
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.01*	
		For Work In Restricted Working Space, Add	*60.03*	

22 13 16 00-0203 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0204	EA	2" Bell And Spigot Cast Iron P-Trap	67.00	19.94
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0205	EA	3" Bell And Spigot Cast Iron P-Trap	91.58	25.07
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0206	EA	4" Bell And Spigot Cast Iron P-Trap	125.66	33.33
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0207	EA	5" Bell And Spigot Cast Iron P-Trap	214.85	35.07
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0208	EA	6" Bell And Spigot Cast Iron P-Trap	295.56	41.25
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.09*	
		For Work In Restricted Working Space, Add	*18.55*	
22 13 16 00-0209	EA	8" Bell And Spigot Cast Iron P-Trap	704.49	53.74
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.17*	
22 13 16 00-0210	EA	10" Bell And Spigot Cast Iron P-Trap	773.21	66.11
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.74*	

22 13 16 00-0211 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0212	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	81.11	19.94
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0213	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	119.31	25.07
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0214	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	177.22	33.33
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0215	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	302.54	39.19
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.62*	
22 13 16 00-0216	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	318.45	43.69
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.28*	
		For Work In Restricted Working Space, Add	*19.66*	

22 13 16 00-0217 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0218	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	184.03	48.13
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0219	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	246.77	63.27
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	
22 13 16 00-0220	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	343.34	68.06
		For Above Ground Cast Iron Pipe Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0221	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	763.89	77.13
		For Above Ground Cast Iron Pipe Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0222	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,708.79	91.88
		For Above Ground Cast Iron Pipe Installation, Add	*6.97*	
		For Work In Restricted Working Space, Add	*41.79*	
22 13 16 00-0223	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	2,929.63	102.51
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.49*	

22 13 16 00-0224 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	230.26	66.46
		For Above Ground Cast Iron Pipe Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.20*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	321.80	83.89
		For Above Ground Cast Iron Pipe Installation, Add	*6.37*	
		For Work In Restricted Working Space, Add	*38.21*	
22 13 16 00-0227	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	839.61	95.31
		For Above Ground Cast Iron Pipe Installation, Add	*7.23*	
		For Work In Restricted Working Space, Add	*43.38*	
22 13 16 00-0228	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	967.96	115.38
		For Above Ground Cast Iron Pipe Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.45*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	2,902.33	111.41
		For Above Ground Cast Iron Pipe Installation, Add	*8.45*	
		For Work In Restricted Working Space, Add	*50.70*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,173.04	132.28
		For Above Ground Cast Iron Pipe Installation, Add	*10.01*	
		For Work In Restricted Working Space, Add	*60.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0231	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,248.07	152.65
		For Above Ground Cast Iron Pipe Installation, Add	*11.58*	
		For Work In Restricted Working Space, Add	*69.47*	
22 13 16 00-0232	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	5,922.48	176.48
		For Above Ground Cast Iron Pipe Installation, Add	*13.37*	
		For Work In Restricted Working Space, Add	*80.21*	
22 13 16 00-0233	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,698.96	204.13
		For Above Ground Cast Iron Pipe Installation, Add	*15.47*	
		For Work In Restricted Working Space, Add	*92.82*	

22 13 16 00-0234 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0235	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	162.35	
		For Above Ground Cast Iron Pipe Installation, Add	*1.49*	
		For Work In Restricted Working Space, Add	*8.94*	
22 13 16 00-0236	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	229.60	
		For Above Ground Cast Iron Pipe Installation, Add	*1.67*	
		For Work In Restricted Working Space, Add	*10.04*	
22 13 16 00-0237	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	260.55	
		For Above Ground Cast Iron Pipe Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.45*	
22 13 16 00-0238	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	324.19	
		For Above Ground Cast Iron Pipe Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0239	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	393.94	
		For Above Ground Cast Iron Pipe Installation, Add	*3.15*	
		For Work In Restricted Working Space, Add	*18.88*	
22 13 16 00-0240	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	775.67	
		For Above Ground Cast Iron Pipe Installation, Add	*3.98*	
		For Work In Restricted Working Space, Add	*23.86*	

22 13 16 00-0241 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Vent Tee	101.13	44.52
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.34*	
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Vent Tee	132.89	48.75
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Vent Tee	176.79	63.90
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.73*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Vent Tee	226.93	70.75
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.30*	
		For Work In Restricted Working Space, Add	*31.81*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Vent Tee	287.28	87.75
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.46*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Vent Tee	537.16	116.56
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.74*	
		For Work In Restricted Working Space, Add	*52.42*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	8.29	
		For Above Ground Cast Iron Pipe Installation, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	9.04	
		For Above Ground Cast Iron Pipe Installation, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.71*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	11.30	
		For Above Ground Cast Iron Pipe Installation, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.39*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	13.56	
		For Above Ground Cast Iron Pipe Installation, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.07*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	18.09	
		For Above Ground Cast Iron Pipe Installation, Add	*0.90*	
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	21.10	
		For Above Ground Cast Iron Pipe Installation, Add	*1.06*	
		For Work In Restricted Working Space, Add	*6.33*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	24.86	
		For Above Ground Cast Iron Pipe Installation, Add	*1.24*	
		For Work In Restricted Working Space, Add	*7.46*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	28.63	
		For Above Ground Cast Iron Pipe Installation, Add	*1.43*	
		For Work In Restricted Working Space, Add	*8.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0257		**Joint Material** *(22 13 16 00-0019)*		
		Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.88	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	13.81	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.69	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.41	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99	
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)*		
		Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)*		
		Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	16.89	4.17
		For Below Ground Installation, Add	*0.31*	
		For Work In Restricted Working Space, Add	*1.88*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	17.86	4.44
		For Below Ground Installation, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.01*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	25.15	6.46
		For Below Ground Installation, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.91*	
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	32.62	8.40
		For Below Ground Installation, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.79*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	42.20	9.56
		For Below Ground Installation, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.31*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	50.08	10.44
		For Below Ground Installation, Add	*0.78*	
		For Work In Restricted Working Space, Add	*4.69*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	77.84	15.14
		For Below Ground Installation, Add	*1.13*	
		For Work In Restricted Working Space, Add	*6.80*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	117.25	17.20
		For Below Ground Installation, Add	*1.29*	
		For Work In Restricted Working Space, Add	*7.73*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		
22 13 16 00-0279		**No Hub Cast Iron Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	55.57	18.89
		For Below Ground Installation, Add	*1.42*	
		For Work In Restricted Working Space, Add	*8.50*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	57.45	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	68.85	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	96.93	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	143.26	31.57
		For Below Ground Installation, Add	*2.36*	
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	169.57	37.63
		For Below Ground Installation, Add	*2.82*	
		For Work In Restricted Working Space, Add	*16.94*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	382.92	49.09
		For Below Ground Installation, Add	*3.68*	
		For Work In Restricted Working Space, Add	*22.09*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	97.66	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	151.84	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	51.66	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	64.27	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	94.53	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	144.16	31.57
		For Below Ground Installation, Add	*2.36*	
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	155.51	37.63
		For Below Ground Installation, Add	*2.82*	
		For Work In Restricted Working Space, Add	*16.94*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	340.42	49.09
		For Below Ground Installation, Add	*3.68*	
		For Work In Restricted Working Space, Add	*22.09*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	572.35	68.75
		For Below Ground Installation, Add	*5.15*	
		For Work In Restricted Working Space, Add	*30.93*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	45.50	18.89
		For Below Ground Installation, Add	*1.42*	
		For Work In Restricted Working Space, Add	*8.51*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	47.68	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	57.80	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	80.24	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	126.41	31.57
		For Below Ground Installation, Add	*2.36*	
		For Work In Restricted Working Space, Add	*14.19*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	144.15	37.63
		For Below Ground Installation, Add	*2.82*	
		For Work In Restricted Working Space, Add	*16.94*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	307.33	49.09
		For Below Ground Installation, Add	*3.68*	
		For Work In Restricted Working Space, Add	*22.09*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	41.81	18.89
		For Below Ground Installation, Add	*1.42*	
		For Work In Restricted Working Space, Add	*8.51*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	43.31	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	53.51	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	70.61	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	125.04	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	243.55	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	402.50	71.25
		For Below Ground Installation, Add	*5.34*	
		For Work In Restricted Working Space, Add	*32.05*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	68.44	29.72
		For Below Ground Installation, Add	*2.23*	
		For Work In Restricted Working Space, Add	*13.36*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	84.61	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	99.24	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	140.51	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	208.31	61.44
		For Below Ground Installation, Add	*4.61*	
		For Work In Restricted Working Space, Add	*27.63*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	247.10	72.94
		For Below Ground Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	470.85	98.26
		For Below Ground Installation, Add	*7.36*	
		For Work In Restricted Working Space, Add	*44.18*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	864.26	109.15
		For Below Ground Installation, Add	*8.18*	
		For Work In Restricted Working Space, Add	*49.10*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	83.73	38.48
		For Below Ground Installation, Add	*2.88*	
		For Work In Restricted Working Space, Add	*17.29*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	92.25	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	106.49	48.75
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	125.98	54.17
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	167.33	62.06
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.93*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	180.93	64.88
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	205.32	75.82
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.09*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	301.09	77.25
		For Below Ground Installation, Add	*5.79*	
		For Work In Restricted Working Space, Add	*34.75*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	356.07	84.92
		For Below Ground Installation, Add	*6.36*	
		For Work In Restricted Working Space, Add	*38.18*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	620.17	90.46
		For Below Ground Installation, Add	*6.78*	
		For Work In Restricted Working Space, Add	*40.70*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	652.14	96.84
		For Below Ground Installation, Add	*7.26*	
		For Work In Restricted Working Space, Add	*43.56*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	763.80	103.42
		For Below Ground Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.51*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	76.04	34.58
		For Below Ground Installation, Add	*2.59*	
		For Work In Restricted Working Space, Add	*15.55*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	85.59	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	106.61	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	161.35	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	321.21	89.10
		For Below Ground Installation, Add	*6.68*	
		For Work In Restricted Working Space, Add	*40.07*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	642.22	114.31
		For Below Ground Installation, Add	*8.57*	
		For Work In Restricted Working Space, Add	*51.42*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	747.81	138.20
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.15*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	86.79	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	95.93	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	113.87	48.75
		For Below Ground Installation, Add	*3.66*	
		For Work In Restricted Working Space, Add	*21.93*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	133.13	54.17
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	188.76	62.06
		For Below Ground Installation, Add	*4.65*	
		For Work In Restricted Working Space, Add	*27.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	218.39	64.88
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	238.12	75.82
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.09*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	362.39	77.25
		For Below Ground Installation, Add	*5.79*	
		For Work In Restricted Working Space, Add	*34.75*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	496.19	84.92
		For Below Ground Installation, Add	*6.36*	
		For Work In Restricted Working Space, Add	*38.18*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	108.85	50.07
		For Below Ground Installation, Add	*3.75*	
		For Work In Restricted Working Space, Add	*22.52*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	153.66	60.98
		For Below Ground Installation, Add	*4.57*	
		For Work In Restricted Working Space, Add	*27.41*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	228.08	66.67
		For Below Ground Installation, Add	*5.00*	
		For Work In Restricted Working Space, Add	*29.98*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	358.63	91.94
		For Below Ground Installation, Add	*6.89*	
		For Work In Restricted Working Space, Add	*41.34*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	785.47	125.00
		For Below Ground Installation, Add	*9.37*	
		For Work In Restricted Working Space, Add	*56.24*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	136.57	55.49
		For Below Ground Installation, Add	*4.16*	
		For Work In Restricted Working Space, Add	*24.95*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	167.54	63.90
		For Below Ground Installation, Add	*4.79*	
		For Work In Restricted Working Space, Add	*28.74*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	185.36	69.65
		For Below Ground Installation, Add	*5.22*	
		For Work In Restricted Working Space, Add	*31.33*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	300.61	81.07
		For Below Ground Installation, Add	*6.08*	
		For Work In Restricted Working Space, Add	*36.46*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	149.38	60.14
		For Below Ground Installation, Add	*4.51*	
		For Work In Restricted Working Space, Add	*27.06*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	191.60	66.67
		For Below Ground Installation, Add	*5.00*	
		For Work In Restricted Working Space, Add	*29.98*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	307.38	88.27
		For Below Ground Installation, Add	*6.61*	
		For Work In Restricted Working Space, Add	*39.68*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	408.69	136.26
		For Below Ground Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	146.27	51.74
		For Below Ground Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.28*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	169.32	60.14
		For Below Ground Installation, Add	*4.51*	
		For Work In Restricted Working Space, Add	*27.06*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	213.51	65.70
		For Below Ground Installation, Add	*4.93*	
		For Work In Restricted Working Space, Add	*29.55*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	66.39	29.10
		For Below Ground Installation, Add	*2.18*	
		For Work In Restricted Working Space, Add	*13.10*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	85.81	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	96.54	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	134.35	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	209.59	61.44
		For Below Ground Installation, Add	*4.61*	
		For Work In Restricted Working Space, Add	*27.63*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	246.19	72.94
		For Below Ground Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.81*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	546.89	98.26
		For Below Ground Installation, Add	*7.36*	
		For Work In Restricted Working Space, Add	*44.18*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	74.67	32.85
		For Below Ground Installation, Add	*2.46*	
		For Work In Restricted Working Space, Add	*14.78*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	85.84	38.48
		For Below Ground Installation, Add	*2.88*	
		For Work In Restricted Working Space, Add	*17.29*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	88.60	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	117.70	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	117.89	54.52
		For Below Ground Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	124.96	54.52
		For Below Ground Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	171.51	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	181.37	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	182.57	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	189.00	60.82
		For Below Ground Installation, Add	*4.56*	
		For Work In Restricted Working Space, Add	*27.35*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	421.98	82.86
		For Below Ground Installation, Add	*6.21*	
		For Work In Restricted Working Space, Add	*37.26*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	55.05	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	64.49	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	76.10	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	50.61	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	67.73	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	104.30	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	182.20	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	256.69	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	289.70	87.99
		For Below Ground Installation, Add	*6.60*	
		For Work In Restricted Working Space, Add	*39.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0406		**No Hub Cast Iron Cleanout Plugs** *(22 13 16 00-0278)*		
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	38.50	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	47.95	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	71.51	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	116.02	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	155.33	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0412		**No Hub Cast Iron Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	89.05	38.90
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	98.75	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	126.55	44.10
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.85*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	200.31	57.92
		For Below Ground Installation, Add	*4.34*	
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0417		**No Hub Cast Iron Reducing Sanitary Crosses** *(22 13 16 00-0278)*		
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	131.89	51.74
		For Below Ground Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	156.59	53.27
		For Below Ground Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.96*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	175.95	55.63
		For Below Ground Installation, Add	*4.17*	
		For Work In Restricted Working Space, Add	*25.01*	
22 13 16 00-0421		**No Hub Cast Iron Reducers** *(22 13 16 00-0278)*		
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	73.25	40.28
		For Below Ground Installation, Add	*3.02*	
		For Work In Restricted Working Space, Add	*18.12*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	101.34	54.52
		For Below Ground Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	101.94	54.52
		For Below Ground Installation, Add	*4.09*	
		For Work In Restricted Working Space, Add	*24.51*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	116.31	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	120.29	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	121.87	58.38
		For Below Ground Installation, Add	*4.38*	
		For Work In Restricted Working Space, Add	*26.25*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	146.94	64.88
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	147.54	64.88
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	149.34	64.88
		For Below Ground Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	203.72	91.69
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	208.31	91.69
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	215.68	91.69
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	223.35	91.69
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	224.26	91.69
		For Below Ground Installation, Add	*6.87*	
		For Work In Restricted Working Space, Add	*41.24*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	287.27	96.72
		For Below Ground Installation, Add	*7.25*	
		For Work In Restricted Working Space, Add	*43.49*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	310.87	100.97
		For Below Ground Installation, Add	*7.57*	
		For Work In Restricted Working Space, Add	*45.43*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	355.35	109.60
		For Below Ground Installation, Add	*8.22*	
		For Work In Restricted Working Space, Add	*49.29*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	21.55	9.45
		For Below Ground Installation, Add	*0.71*	
		For Work In Restricted Working Space, Add	*4.25*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	21.85	9.87
		For Below Ground Installation, Add	*0.74*	
		For Work In Restricted Working Space, Add	*4.43*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	29.50	11.32
		For Below Ground Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.08*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	39.24	14.93
		For Below Ground Installation, Add	*1.12*	
		For Work In Restricted Working Space, Add	*6.72*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	55.36	16.06
		For Below Ground Installation, Add	*1.20*	
		For Work In Restricted Working Space, Add	*7.22*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	59.84	18.81
		For Below Ground Installation, Add	*1.41*	
		For Work In Restricted Working Space, Add	*8.48*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	136.45	24.55
		For Below Ground Installation, Add	*1.84*	
		For Work In Restricted Working Space, Add	*11.04*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	182.91	26.41
		For Below Ground Installation, Add	*1.98*	
		For Work In Restricted Working Space, Add	*11.89*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	55.65	19.72
		For Below Ground Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.87*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	93.37	22.57
		For Below Ground Installation, Add	*1.69*	
		For Work In Restricted Working Space, Add	*10.16*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	148.15	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	284.14	31.81
		For Below Ground Installation, Add	*2.38*	
		For Work In Restricted Working Space, Add	*14.30*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	293.58	37.94
		For Below Ground Installation, Add	*2.84*	
		For Work In Restricted Working Space, Add	*17.06*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	99.82	25.07
		For Below Ground Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	149.32	33.33
		For Below Ground Installation, Add	*2.50*	
		For Work In Restricted Working Space, Add	*14.99*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	225.42	44.03
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.79*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	86.18	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	94.76	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	206.74	29.86
		For Below Ground Installation, Add	*2.24*	
		For Work In Restricted Working Space, Add	*13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0463		**No Hub Cast Iron Threaded Adapter** *(22 13 16 00-0278)*		
22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	59.95	25.07
		For Below Ground Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	66.87	25.07
		For Below Ground Installation, Add	*1.88*	
		For Work In Restricted Working Space, Add	*11.26*	
22 13 16 00-0466		**No Hub Couplings** *(22 13 16 00-0278)*		
		Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0468	EA	2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0469	EA	3" No Hub Coupling	8.87	
		For Medium Duty (Fernco MD-2000), Add	*1.15*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.39*	
22 13 16 00-0470	EA	4" No Hub Coupling	10.53	
		For Medium Duty (Fernco MD-2000), Add	*1.37*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.84*	
22 13 16 00-0471	EA	5" No Hub Coupling	24.36	
		For Medium Duty (Fernco MD-2000), Add	*3.17*	
		For Heavy-Duty (Fernco HD-4000), Add	*6.58*	
22 13 16 00-0472	EA	6" No Hub Coupling	26.76	
		For Medium Duty (Fernco MD-2000), Add	*3.48*	
		For Heavy-Duty (Fernco HD-4000), Add	*7.23*	
22 13 16 00-0473	EA	8" No Hub Coupling	50.42	
		For Medium Duty (Fernco MD-2000), Add	*6.55*	
		For Heavy-Duty (Fernco HD-4000), Add	*13.61*	
22 13 16 00-0474	EA	10" No Hub Coupling	69.46	
		For Medium Duty (Fernco MD-2000), Add	*9.03*	
		For Heavy-Duty (Fernco HD-4000), Add	*18.75*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	8.87	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	13.76	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	19.20	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	16.36	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	6.78	
		For Work In Restricted Working Space, Add	*2.03*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	8.29	
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	9.04	
		For Work In Restricted Working Space, Add	*2.71*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	11.30	
		For Work In Restricted Working Space, Add	*3.39*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	13.56	
		For Work In Restricted Working Space, Add	*4.07*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	18.09	
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	21.10	
		For Work In Restricted Working Space, Add	*6.33*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0458 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	16.15	3.26
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	19.59	3.64
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	25.47	4.49
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	51.34	6.22
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	75.97	7.03
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	163.89	8.07
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	231.22	12.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)* Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
22 13 16 00-0506		**Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)* Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.		
22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	10.17	
		For Work In Restricted Working Space, Add	*1.63*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	12.06	
		For Work In Restricted Working Space, Add	*1.98*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	21.08	
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.81	
		For Work In Restricted Working Space, Add	*3.08*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	57.61	
		For Work In Restricted Working Space, Add	*3.97*	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	83.37	
		For Work In Restricted Working Space, Add	*5.31*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	122.46	
		For Work In Restricted Working Space, Add	*7.08*	
22 13 16 00-0514		**Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.57	2.92
		For Work In Restricted Working Space, Add	*3.34*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.08	3.47
		For Work In Restricted Working Space, Add	*3.72*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.75	5.00
		For Work In Restricted Working Space, Add	*4.62*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.30	5.42
		For Work In Restricted Working Space, Add	*5.04*	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	75.12	6.95
		For Work In Restricted Working Space, Add	*6.46*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	102.36	9.24
		For Work In Restricted Working Space, Add	*7.41*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	146.15	12.36
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0523		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	7.37	2.92
		For Work In Restricted Working Space, Add	*1.30*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	9.17	3.47
		For Work In Restricted Working Space, Add	*1.56*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	15.42	5.00
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	19.33	5.42
		For Work In Restricted Working Space, Add	*2.43*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	29.39	6.25
		For Work In Restricted Working Space, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	42.87	8.31
		For Work In Restricted Working Space, Add	*3.75*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	63.20	11.12
		For Work In Restricted Working Space, Add	*5.00*	

22 13 16 00-0531 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0522)*

Note: Excludes fittings or hangers.

22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.47	2.92
		For Work In Restricted Working Space, Add	*1.30*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	8.10	3.47
		For Work In Restricted Working Space, Add	*1.56*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	13.39	5.00
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	16.64	5.42
		For Work In Restricted Working Space, Add	*2.43*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	24.38	6.25
		For Work In Restricted Working Space, Add	*2.81*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	35.84	8.31
		For Work In Restricted Working Space, Add	*3.75*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	55.55	11.12
		For Work In Restricted Working Space, Add	*5.00*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*

22 13 16 00-0540 Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	26.89	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	34.31	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	67.42	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	114.43	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	530.12	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	891.49	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,176.27	53.96
		For Work In Restricted Working Space, Add	*24.31*	

22 13 16 00-0548 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	53.63	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	49.70	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	107.00	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	186.99	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	389.97	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	707.31	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,172.97	53.96
		For Work In Restricted Working Space, Add	*24.31*	

22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	29.09	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	34.13	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	64.12	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	98.31	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	489.08	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	796.10	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	895.67	53.96
		For Work In Restricted Working Space, Add	*24.31*	

22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	43.08	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	57.70	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	109.66	29.86
		For Work In Restricted Working Space, Add	*13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	175.76	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	787.06	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,021.09	60.69
		For Work In Restricted Working Space, Add	*27.35*	

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	59.25	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	73.41	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	55.27	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	88.19	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	88.24	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	110.09	28.89
		For Work In Restricted Working Space, Add	*13.02*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	213.47	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	277.58	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	758.18	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,499.71	52.02
		For Work In Restricted Working Space, Add	*23.44*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,582.99	55.49
		For Work In Restricted Working Space, Add	*25.00*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	86.03	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	119.57	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	270.43	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	408.22	46.25
		For Work In Restricted Working Space, Add	*20.84*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	107.50	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	206.72	31.46
		For Work In Restricted Working Space, Add	*14.17*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	241.07	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	473.11	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	492.17	42.98
		For Work In Restricted Working Space, Add	*19.38*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	38.85	13.19
		For Work In Restricted Working Space, Add	*5.94*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	84.44	15.69
		For Work In Restricted Working Space, Add	*7.08*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	76.97	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	129.24	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	137.64	21.53
		For Work In Restricted Working Space, Add	*9.69*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	569.75	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	467.38	26.60
		For Work In Restricted Working Space, Add	*11.98*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,220.63	31.81
		For Work In Restricted Working Space, Add	*14.32*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,017.97	35.27
		For Work In Restricted Working Space, Add	*15.89*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,376.56	42.02
		For Work In Restricted Working Space, Add	*18.92*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,056.27	47.23
		For Work In Restricted Working Space, Add	*21.27*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	59.39	17.36
		For Work In Restricted Working Space, Add	*7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	78.77	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	271.08	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	590.93	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,020.44	45.07
		For Work In Restricted Working Space, Add	*20.31*	

22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0539)*

22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	98.67	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	76.99	21.53
		For Work In Restricted Working Space, Add	*9.69*	

22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0539)*

22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	60.12	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	67.59	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	122.30	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	196.46	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	709.37	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	873.52	60.69
		For Work In Restricted Working Space, Add	*27.35*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,148.16	80.90
		For Work In Restricted Working Space, Add	*36.46*	

22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0539)*

22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	89.30	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	91.18	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	133.24	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	100.88	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	193.75	28.89
		For Work In Restricted Working Space, Add	*13.02*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	161.81	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	185.06	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	642.15	40.00
		For Work In Restricted Working Space, Add	*18.02*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	806.98	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	748.68	52.02
		For Work In Restricted Working Space, Add	*23.44*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	960.71	55.49
		For Work In Restricted Working Space, Add	*25.00*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	853.87	65.49
		For Work In Restricted Working Space, Add	*29.51*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,083.77	68.96
		For Work In Restricted Working Space, Add	*31.08*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,271.00	74.17
		For Work In Restricted Working Space, Add	*33.42*	

22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	107.28	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	137.71	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	300.66	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	557.91	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,196.51	60.14
		For Work In Restricted Working Space, Add	*27.08*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,370.02	80.98
		For Work In Restricted Working Space, Add	*36.46*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,151.46	107.92
		For Work In Restricted Working Space, Add	*48.61*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	124.79	26.39
		For Work In Restricted Working Space, Add	*11.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	258.63	31.46
		For Work In Restricted Working Space, Add	*14.17*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	231.46	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	349.76	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	451.36	42.98
		For Work In Restricted Working Space, Add	*19.38*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	715.12	53.20
		For Work In Restricted Working Space, Add	*23.96*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	835.19	63.61
		For Work In Restricted Working Space, Add	*28.65*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,078.41	70.56
		For Work In Restricted Working Space, Add	*31.77*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,135.58	77.09
		For Work In Restricted Working Space, Add	*34.72*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,498.20	84.04
		For Work In Restricted Working Space, Add	*37.85*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,822.42	94.45
		For Work In Restricted Working Space, Add	*42.54*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	81.37	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	100.75	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	221.97	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	419.99	34.73
		For Work In Restricted Working Space, Add	*15.63*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	170.51	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	281.09	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	192.57	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	383.08	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	414.94	33.06
		For Work In Restricted Working Space, Add	*14.90*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	123.77	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	139.54	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	224.99	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	940.10	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,251.19	60.14
		For Work In Restricted Working Space, Add	*27.08*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	330.94	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	545.71	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	976.91	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	869.71	42.98
		For Work In Restricted Working Space, Add	*19.38*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,144.89	53.20
		For Work In Restricted Working Space, Add	*23.96*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	195.52	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	354.64	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	591.02	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,633.71	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,040.92	60.69
		For Work In Restricted Working Space, Add	*27.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,707.73	80.90
		For Work In Restricted Working Space, Add	*36.46*	

22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	45.39	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	67.47	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	99.48	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	198.34	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	494.21	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,155.78	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,164.07	53.96
		For Work In Restricted Working Space, Add	*24.29*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	25.67	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	31.56	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	53.74	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	73.98	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	261.73	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	686.45	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,050.62	53.96
		For Work In Restricted Working Space, Add	*24.31*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	17.09	5.77
		For Work In Restricted Working Space, Add	*2.60*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	31.79	7.44
		For Work In Restricted Working Space, Add	*3.33*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	72.29	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	148.81	11.60
		For Work In Restricted Working Space, Add	*5.21*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.09
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.60
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.12
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.61
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.73
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	18.31
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.38

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.64	2.92
		For Work In Restricted Working Space, Add	*3.99*	
22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	21.87	3.47
		For Work In Restricted Working Space, Add	*4.43*	
22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.23	5.00
		For Work In Restricted Working Space, Add	*5.50*	
22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.54	5.42
		For Work In Restricted Working Space, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	66.10	6.95
		For Work In Restricted Working Space, Add	*8.12*	

22 13 16 00-0724 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0717)*

Note: Excludes fittings or hangers.

22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	7.07	2.92
		For Work In Restricted Working Space, Add	*1.30*	
22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	8.87	3.47
		For Work In Restricted Working Space, Add	*1.56*	
22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	15.05	5.00
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	18.94	5.42
		For Work In Restricted Working Space, Add	*2.43*	
22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	31.43	6.25
		For Work In Restricted Working Space, Add	*2.81*	

22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0717)*

22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	28.96	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	38.77	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	80.93	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	134.80	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	418.62	30.07
		For Work In Restricted Working Space, Add	*13.54*	

22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0730)*

22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	45.01	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	54.45	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	119.87	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	212.26	23.13
		For Work In Restricted Working Space, Add	*10.42*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	31.14	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	37.25	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	72.95	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	120.06	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	434.17	30.07
		For Work In Restricted Working Space, Add	*13.54*	

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	45.80	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	63.03	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	120.48	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	197.49	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	855.85	45.07
		For Work In Restricted Working Space, Add	*20.31*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	59.98	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	75.14	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	59.37	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	96.34	25.69
		For Work In Restricted Working Space, Add	*11.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	99.30	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	252.97	28.89
		For Work In Restricted Working Space, Add	*13.02*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	241.45	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	279.06	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	943.69	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 13 16 00-0764		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	94.75	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	132.02	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	305.73	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	463.72	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0769		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	107.67	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	172.60	31.46
		For Work In Restricted Working Space, Add	*14.17*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	200.43	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	377.97	34.13
		For Work In Restricted Working Space, Add	*15.38*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	393.86	38.69
		For Work In Restricted Working Space, Add	*17.44*	
22 13 16 00-0775		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	65.82	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	74.17	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	135.19	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	220.50	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	685.68	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 13 16 00-0781		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	99.44	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	101.15	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	111.22	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	181.14	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	207.75	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	573.07	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 13 16 00-0788		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	119.33	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	153.28	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	341.07	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0792	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	639.36	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0793		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	138.98	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	245.68	31.46
		For Work In Restricted Working Space, Add	*14.17*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	260.96	34.73
		For Work In Restricted Working Space, Add	*15.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	398.65	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	515.93	42.98
		For Work In Restricted Working Space, Add	*19.38*	
22 13 16 00-0799		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0800	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	89.58	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0801	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	115.91	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0802	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	180.86	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0803	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	313.99	31.25
		For Work In Restricted Working Space, Add	*14.06*	
22 13 16 00-0804		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	97.77	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	196.89	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 13 16 00-0807	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	139.93	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 13 16 00-0808	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	266.25	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 13 16 00-0809	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	288.35	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 13 16 00-0810		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	193.95	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 13 16 00-0812	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	404.54	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0813		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	159.90	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	391.01	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0816		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0817	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	100.78	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0818	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	127.10	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0819	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	205.88	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0820	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	353.19	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 13 16 00-0821		**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	42.98	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	63.57	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	93.40	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	184.33	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	455.83	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 13 16 00-0827		**Acrylonitrile Butadiene Styrene (ABS) DWV Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	26.19	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	31.53	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	55.19	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	76.49	23.13
		For Work In Restricted Working Space, Add	*10.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	251.55	30.07
		For Work In Restricted Working Space, Add	*13.54*	

22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*

22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	42.18	13.19
		For Work In Restricted Working Space, Add	*5.94*	
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	94.58	15.69
		For Work In Restricted Working Space, Add	*7.08*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	85.55	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	145.86	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	155.11	21.53
		For Work In Restricted Working Space, Add	*9.69*	

22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*

22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	69.44	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	103.58	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	366.57	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	711.31	34.73
		For Work In Restricted Working Space, Add	*15.63*	

22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*

22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	95.33	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	89.13	21.53
		For Work In Restricted Working Space, Add	*9.69*	

22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*

22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	19.95	5.77
		For Work In Restricted Working Space, Add	*2.60*	
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	31.09	7.44
		For Work In Restricted Working Space, Add	*3.33*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	73.12	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	146.09	11.60
		For Work In Restricted Working Space, Add	*5.21*	

22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0730)*

22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	29.10	13.19
		For Work In Restricted Working Space, Add	*5.94*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	73.84	15.69
		For Work In Restricted Working Space, Add	*7.08*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	57.96	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	144.24	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	99.38	21.53
		For Work In Restricted Working Space, Add	*9.69*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	299.01	23.94
		For Work In Restricted Working Space, Add	*10.78*	

22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0730)*

22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	154.78	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	168.80	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	185.60	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	199.63	23.13
		For Work In Restricted Working Space, Add	*10.42*	

22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe *(22 13 16 00-0717)*

Note: In place piping.

22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.09
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.60
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.12
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.61
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	13.73

22 13 16 00-0870 Elastomeric Flexible Pipe Couplings *(22 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	10.53	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	11.38	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	11.95	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	14.15	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	16.28	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	21.61	3.95
		For Work In Restricted Working Space, Add	*2.37*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	27.00	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	37.81	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	50.55	5.27
		For Work In Restricted Working Space, Add	*3.17*	
22 13 16 00-0881		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0870)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	11.21	3.20
		For Work In Restricted Working Space, Add	*1.92*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	12.24	3.39
		For Work In Restricted Working Space, Add	*2.03*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	15.59	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	13.62	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	19.83	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	18.83	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	16.96	3.77
		For Work In Restricted Working Space, Add	*2.26*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	26.01	3.95
		For Work In Restricted Working Space, Add	*2.37*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	23.15	3.95
		For Work In Restricted Working Space, Add	*2.37*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	32.90	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	28.62	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	29.82	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	59.10	7.54
		For Work In Restricted Working Space, Add	*4.52*	
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	47.24	7.54
		For Work In Restricted Working Space, Add	*4.52*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	60.76	8.47
		For Work In Restricted Working Space, Add	*5.09*	
22 13 16 00-0897		**Elastomeric Flexible Expansion Joint Couplings (Fernco XJ)** *(22 13 16)* Note: Includes stainless steel clamps.		
22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-150)	25.92	3.20
22 13 16 00-0899	EA	2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-2)	28.99	3.39
22 13 16 00-0900	EA	3" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-3)	31.18	3.58
22 13 16 00-0901	EA	4" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-4)	37.76	3.77
22 13 16 00-0902		**Elastomeric Flexible Pipe Caps (Fernco QC)** *(22 13 16)* Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0903	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	34.91	20.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0904	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	37.61	21.62
22 13 16 00-0905	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	43.76	24.79
22 13 16 00-0906	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	57.64	32.78
22 13 16 00-0907	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	69.21	39.18
22 13 16 00-0908	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	79.32	45.21
22 13 16 00-0909	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	109.12	57.26
22 13 16 00-0910	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	139.10	64.05
22 13 16 00-0911	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	184.15	71.20

22 13 16 00-0912 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*

22 13 16 00-0913	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	83.46	15.62
22 13 16 00-0914	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	86.93	17.36
22 13 16 00-0915	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	134.62	22.57
22 13 16 00-0916	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	158.35	26.04
22 13 16 00-0917	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	185.80	29.52
22 13 16 00-0918	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	334.40	32.99

22 13 16 00-0919 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*

22 13 16 00-0920	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	194.17	15.62
22 13 16 00-0921	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	197.64	17.36
22 13 16 00-0922	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	232.41	22.57
22 13 16 00-0923	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	293.65	26.04
22 13 16 00-0924	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	409.22	29.52
22 13 16 00-0925	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	416.15	32.99

22 13 16 00-0926 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0927	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	388.89	15.62
22 13 16 00-0928	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	392.37	17.36
22 13 16 00-0929	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	447.49	22.57
22 13 16 00-0930	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	502.87	26.04
22 13 16 00-0931	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	588.06	29.52
22 13 16 00-0932	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	641.56	32.99

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	750.08	74.66
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	821.84	83.68
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	785.98	92.57
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	805.05	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	740.44	83.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	758.29	92.57
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	777.36	102.16
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,310.77	83.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,328.62	92.57
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,347.69	102.16
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,227.71	83.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,245.47	92.57
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,264.63	102.16
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,360.53	83.62
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,378.37	92.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,397.53	102.16
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,213.26	83.62
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,231.10	92.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,250.26	102.16
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,099.74	83.62
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,117.58	92.57
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,136.74	102.16
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	898.17	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	916.20	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	935.17	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	981.23	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	999.26	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,018.23	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,346.68	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,364.71	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,383.68	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	837.26	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	855.29	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	874.26	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	942.47	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	960.50	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	979.47	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,238.71	83.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,256.74	92.64
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,275.71	102.16
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,394.10	92.64
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,413.07	102.16
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,296.66	92.64
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,315.63	102.16
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,188.69	92.64
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,207.66	102.16
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,368.83	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,386.86	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,405.83	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,797.97	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,816.00	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,834.97	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,897.64	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,915.67	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,934.64	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,670.07	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,688.10	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,707.07	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,280.24	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,298.27	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,317.24	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,645.69	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,663.72	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,682.69	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,745.36	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,763.39	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,782.36	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,373.83	83.62
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,391.86	92.64
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,410.83	102.16
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0073		**Funnel Type Floor Drains** *(22 13 19 13)*		
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,298.32	74.66
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,316.23	83.62
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,334.07	92.57
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,353.23	102.16
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,939.16	83.62
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,957.00	92.57
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	1,976.16	102.16
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,831.19	83.62
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,849.03	92.57
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,868.19	102.16
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0084		**Floor Drain With Sediment Bucket Bottom Outlet** *(22 13 19 13)*		
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,881.90	74.66
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,899.87	83.62
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,917.71	92.57
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,936.87	102.16
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,956.64	112.02
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,110.28	83.62
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,128.31	92.64
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,147.28	102.16
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,167.05	112.02
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,861.64	83.62
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,879.67	92.64
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,898.64	102.16
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,918.41	112.02
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,894.33	83.62
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,912.36	92.64
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,931.33	102.16
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,951.10	112.02
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	47.24	7.54
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	53.53	7.54
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	105.74	15.07
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	90.14	15.07

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,309.33	74.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,327.30	83.62
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,345.14	92.57
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0112		**Rotary And Lever Drains** *(22 13 19 13-0102)*		
22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	216.00	50.35
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	226.41	55.56
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	216.00	50.35
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	226.41	55.56
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	216.00	50.35
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	226.41	55.56
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	216.00	50.35
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	226.41	55.56
22 13 19 13-0121	EA	1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	315.36	55.56
22 13 19 13-0122		**Floor Receptor** *(22 13 19 13)*		
22 13 19 13-0123		**9" Diameter Round Shallow Receptor** *(22 13 19 13-0122)* Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,618.13	83.68
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,636.24	92.71
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,655.01	102.16
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		**Square Top Floor Receptors** *(22 13 19 13-0122)* Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,943.40	74.66
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,961.39	83.68
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,979.15	92.57
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,998.31	102.16
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		**Floor Drain Accessories** *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	106.55	8.68
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	84.25	8.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	93.17	8.68
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	115.47	8.68
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	102.09	8.68
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	151.39	8.68
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	169.34	8.68
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	213.87	8.68

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,287.56	52.09
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,262.57*	
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,505.99	117.20
		For Flange And Clamp Device, Add	*338.29*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,330.63*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,172.04	130.22
		For Flange And Clamp Device, Add	*346.97*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,452.14*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,637.00	143.23
		For Flange And Clamp Device, Add	*355.65*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,568.20*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	2,956.36	156.25
		For Flange And Clamp Device, Add	*394.73*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,629.54*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,639.76	182.30
		For Flange And Clamp Device, Add	*423.30*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,788.06*	
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,776.16	208.34
		For Flange And Clamp Device, Add	*481.62*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,899.54*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,557.32	234.39
		For Flange And Clamp Device, Add	*700.26*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,796.38	296.99
		For Flange And Clamp Device, Add	*805.99*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,221.14	475.18
		For Flange And Clamp Device, Add	*1,084.79*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,052.75	593.97
		For Flange And Clamp Device, Add	*1,293.26*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,207.24	712.77
		For Flange And Clamp Device, Add	*1,685.42*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	28,941.76	831.56
		For Flange And Clamp Device, Add	*2,002.38*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,558.37	950.36
		For Flange And Clamp Device, Add	*2,354.85*	

22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.

22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,857.31	143.23
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	4,964.08	182.30
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,276.85	208.34

22 13 19 26-0021 Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0022		**Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)*		
		Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	3,410.78	52.09
		Note: Josam 60102-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,262.57*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	4,015.95	117.20
		Note: Josam 60103-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,330.63*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	4,286.02	130.22
		Note: Josam 60104-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,452.14*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	5,245.57	143.23
		Note: Josam 60105-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,568.20*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	6,339.18	156.25
		Note: Josam 60106-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,629.54*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	6,534.93	182.30
		Note: Josam 60107-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,788.06*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor	7,459.46	208.34
		Note: Josam 60108-SA.		
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,899.54*	
22 13 19 26-0030		**Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)*		
		Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor	8,839.96	182.30
		Note: Josam 60115A-SA.		
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	7,432.13	143.23
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	8,672.06	156.25
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,382.27	182.30
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)*		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	4,430.70	263.45
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	5,079.21	263.45
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	5,764.28	301.18
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	6,538.06	425.34
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	7,337.11	572.26
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	11,032.34	752.91
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	14,093.87	1,234.66
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)*		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,187.77	198.18
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,044.45	235.47
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,523.44	289.72
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,256.43	313.84
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,175.29	342.47
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,863.22	376.75
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,305.04	434.05
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	27,562.50	534.05
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	33,975.49	578.85
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	47,755.71	694.48
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	55,185.12	746.57
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	69,628.68	890.33
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	84,684.95	729.55
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	100,311.72	868.10
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		**Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	750.97	19.94
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	758.61	25.07
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,101.21	33.33
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,069.50	43.69
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,742.36	57.50
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,095.15	70.94
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,536.46	92.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,824.04	47.47
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,825.98	57.64
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,485.48	74.31
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	4,951.62	79.38
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	6,923.24	94.07
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,193.84	75.21
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,231.06	100.01
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,658.53	117.56
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,678.97	131.06
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)* Note: Oatey.		
22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	124.84	25.07
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	146.20	33.33
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	475.46	43.69
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	303.25	50.15
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	403.82	66.67
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	712.62	87.37
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	157.55	9.72
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	188.58	9.72
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		Sediment Bucket Solids Interceptors *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,289.31	98.34
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,291.00	98.34
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,843.58	98.34
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,843.58	98.34
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,968.68	98.34
22 13 23 00-0007		Drum Trap, Solids Interceptors *(22 13 23)*		
22 13 23 00-0008		Extra Heavy-Duty Cast Iron Drum Trap *(22 13 23 00-0007)*		
22 13 23 00-0009	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron	1,552.20	97.23
		For Acid Coating Inside Or Outside, Add	*781.93*	
		For Acid Coating Inside And Outside, Add	*941.21*	
22 13 23 00-0010	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron	1,569.56	111.11
		For Acid Coating Inside Or Outside, Add	*781.93*	
		For Acid Coating Inside And Outside, Add	*941.21*	
22 13 23 00-0011		Aluminum, Solid Interceptor, Drum Trap *(22 13 23 00-0007)*		
22 13 23 00-0012	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum	2,139.55	97.23
22 13 23 00-0013	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum	2,156.91	111.11
22 13 23 00-0014		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0015	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	289.72	33.61
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0016	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	294.02	35.79
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0017 Sediment Strainers *(22 13 23)*

22 13 23 00-0018	EA	2" Strainer, Pump Suction Side	139.47	45.57

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	6,902.75	833.10
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	7,224.62	833.10
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	7,546.48	833.10
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	7,853.49	833.10

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	7,794.07	833.10
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	7,917.87	833.10
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,004.52	833.10
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,598.74	833.10
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,180.58	833.10
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,071.90	833.10
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,963.22	833.10
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,405.70	1,108.67

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	8,414.36	833.10
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	8,414.36	833.10
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	8,628.84	833.10
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	10,293.04	833.10
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	10,584.97	833.10
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	12,508.39	1,108.67
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	13,251.16	1,108.67

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	

22 13 29 13-0030 Float Switches *(22 13 29 13-0001)*

Note: Copper coated floats, brass rods and stops and switch brackets.

22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	

22 13 29 13-0034 Square Or Round Steel Sump Covers *(22 13 29 13-0001)*

22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	856.83	27.78
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	948.18	31.25
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,318.46	41.67
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,932.57	48.61
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,074.86	50.35
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,221.15	52.09
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,835.64	62.50
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,866.36	69.45
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	4,903.42	86.81
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,257.19	95.49

22 13 29 13-0045 Sludge Pumps *(22 13 29 13)*

22 13 29 13-0046 Vortex Type Sludge Pumps *(22 13 29 13-0045)*

Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)	47,472.02	1,038.98
		For Explosion Proof Motor, Add	*375.00*	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)	66,743.88	1,335.83
		For Explosion Proof Motor, Add	*750.00*	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)	85,322.09	2,040.85
		For Explosion Proof Motor, Add	*1,125.00*	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)	35,589.72	1,187.41
		For Explosion Proof Motor, Add	*500.00*	
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)	57,163.95	1,632.68
		For Explosion Proof Motor, Add	*1,250.00*	

22 13 29 13-0052 Polymer Feed Sludge Pumps *(22 13 29 13-0045)*

Note: 230/460 volt

22 13 29 13-0053	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA) Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.	37,685.38	1,191.52
		For 75 HP Motor, Add	*17,750.00*	
22 13 29 13-0054	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA) Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.	28,451.71	416.34
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0055	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA) Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.	26,323.41	416.34
22 13 29 13-0056	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA) Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.	16,780.69	416.34
		For 7-1/2 HP Motor, Add	*2,676.00*	

22 13 29 13-0057 Centrifuge Pilot Pumps *(22 13 29 13-0045)*

22 13 29 13-0058	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA) Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	89,209.48	1,224.51
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 13-0059	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA) Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	94,306.80	1,224.51
		For 75 HP Motor, Add	*15,864.00*	

22 13 29 16 Submersible Sewerage Pumps *(22 13 29)*

22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*

22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 25' cord.

22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,492.38	50.49
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,598.19	50.49
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,565.63	50.49
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,721.64	50.49
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,721.64	50.49
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,800.02	63.11
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,938.39	63.11
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,956.03	63.11

22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,522.22	50.49
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,674.16	50.49
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,602.26	50.49
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,748.77	50.49
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,880.36	50.49
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,715.91	63.11
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,873.28	63.11
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,871.92	63.11
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,082.62	101.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,215.56	101.72
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,238.62	101.72
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,189.17	124.33
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,341.11	124.33
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,345.18	124.33

22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,826.10	50.49
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,083.86	50.49
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,004.87	63.11
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,160.88	63.11
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,393.28	101.72
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,549.29	101.72
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,501.19	124.33
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,657.19	124.33

22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,594.68	63.11
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,850.91	100.53
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,203.71	122.87
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,421.89	148.94
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	7,183.11	175.01
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	8,007.87	201.07

22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,213.47	226.26
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,543.94	226.26
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,543.94	226.26
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,492.63	301.68
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,823.10	301.68
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,823.10	301.68
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,909.89	377.10
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,240.36	377.10
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,240.36	377.10
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,197.43	452.52
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,527.91	452.52
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,527.91	452.52
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,108.46	527.95
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,438.93	527.95
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,438.93	527.95
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,365.32	603.36
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,365.32	603.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0060		Submersible Sewage Pump Accessories *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	653.39	33.12
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	679.31	33.12
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,425.93	44.16
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,089.56	44.16
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,206.95	44.16
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,457.10	44.16
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,792.69	55.20
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	7,369.66	55.20
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,555.60	55.20
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,737.05	55.20
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,657.99	55.20
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,821.52	55.20
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,282.19	55.20
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	563.92	22.08
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	79.11	11.04
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	106.22	11.04
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	113.95	11.04
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	125.30	11.04
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	430.65	11.04
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	508.73	11.04
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	484.59	11.04
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	586.36	11.04
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	208.37	11.04
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	45.21	5.52
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,203.98	33.12
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	1,919.49	44.16
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,517.35	55.20
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,944.52	33.12
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	4,222.84	33.12
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	294.97	22.08
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	566.26	27.60
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	544.94	33.12
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	144.79	11.04
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	330.88	11.04
22 13 29 33		**Sewerage Pump Basins and Pits** *(22 13 29)*		
22 13 29 33-0001		Sewage Sump Pump Basin *(22 13 29 33)*		
22 13 29 33-0002		High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*		
22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	142.00	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	189.24	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	468.46	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	668.89	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	869.32	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,015.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0009		Fiberglass Basin *(22 13 29 33-0001)*		
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	324.41	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	676.26	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,226.52	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,657.17	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,911.57	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,018.73	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,374.72	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,759.09	
22 13 29 36		**Explosion Proof Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 36-0001		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0002		Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0003	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5	3,785.43	138.89
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0004	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5	3,785.43	138.89
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0005	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2	4,988.32	166.68
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0006	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2	4,837.01	166.68
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0007	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7	5,522.33	222.24
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0008	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	5,676.45	222.24
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0009	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	7,698.35	277.79
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0010	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5	7,768.41	277.79
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0011	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	8,962.30	333.35
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0012	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	8,920.27	333.35
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0013	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	10,320.11	388.91
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0014	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	10,276.68	388.91
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0015	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	11,798.42	444.47
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0016	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	14,635.74	500.03
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0017	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	16,296.19	555.59
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0018 Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*

22 13 29 36-0019	EA	2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	4,642.87	138.89
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0020	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	5,212.49	166.68
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0021	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2	4,988.32	166.68
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0022	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	5,822.16	222.24
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0023	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	5,522.33	222.24
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0024	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5	8,820.60	277.79
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0025	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5	7,698.35	277.79
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0026	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5	9,606.79	333.35
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0027	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5	8,962.30	333.35
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0028	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611	10,907.15	388.91
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0029	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611	10,320.11	388.91
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0030	EA	20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615	12,427.49	444.47
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0031	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615	11,798.42	444.47
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0032	EA	25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618	15,054.65	500.03
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0033	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618	14,635.74	500.03
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0034	EA	30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622	16,701.09	555.59
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0035	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622	16,296.19	555.59
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0036	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630	25,639.82	555.59
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0037	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637	32,136.51	555.59
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0038	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645	34,058.76	555.59
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0039		Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP		
		(22 13 29 36-0001)		
22 13 29 36-0040	EA	10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5	10,025.70	333.35
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0041	EA	15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611	11,331.67	388.91
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0042	EA	20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615	12,811.38	444.47
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0043	EA	25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618	14,861.31	500.03
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0044	EA	30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622	17,481.48	555.59
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0045	EA	40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630	26,381.17	611.14
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0046	EA	50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637	32,572.63	666.70
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0047	EA	60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645	34,636.57	722.26
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0048		Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP		
		(22 13 29 36-0001)		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0049	EA	10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675	10,663.18	333.35
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0050	EA	15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611	11,436.75	388.91
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0051	EA	20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61	12,823.99	444.47
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0052	EA	25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618	14,861.31	500.03
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0053	EA	30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622	17,481.48	555.59
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0054	EA	40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630	25,938.44	611.14
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0055	EA	50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637	32,782.79	666.70
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0056	EA	60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645	34,856.54	722.26
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0057 Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP

(22 13 29 36-0001)

22 13 29 36-0058	EA	15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611	13,270.73	388.91
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0059	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615	14,475.83	444.47
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0060	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615	15,456.57	444.47
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0061	EA	25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618	17,634.00	500.03
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0062	EA	30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622	19,134.72	555.59
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0063	EA	40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630	27,831.27	611.14
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0064	EA	50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637	34,986.65	666.70
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0065	EA	60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645	37,061.80	722.26
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0066 Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP

(22 13 29 36-0001)

22 13 29 36-0067	EA	25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618	18,497.05	500.03
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0068	EA	30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622	19,965.55	555.59
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0069	EA	40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630	28,712.53	611.14
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0070	EA	50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637	35,797.86	666.70
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0071	EA	60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645	37,861.80	722.26
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0072 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0073 Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP *(22 13 29 36-0072)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0074	EA	75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852	112,769.40	777.82
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0075	EA	75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	123,486.07	777.82
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0076	EA	100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932	127,128.40	861.16
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0077	EA	100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	130,139.26	861.16
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0078	EA	100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203	114,394.21	861.16
		For Guide Rail System, Add	*5,695.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0079	EA	120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	148,379.18	944.49
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0080	EA	120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152	132,372.13	944.49
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0081	EA	145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	132,231.01	1,055.61
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0082	EA	145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	157,448.60	1,055.61
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0083	EA	200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	179,309.64	1,166.73
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0084	EA	200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102	179,309.64	1,166.73
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0085	EA	245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102	185,682.02	1,277.84
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0086	EA	245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262	188,344.03	1,277.84
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	

22 13 29 36-0087 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0088 Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0087)*

22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	16,923.28	388.91
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	18,995.64	444.47
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	20,751.34	500.03
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	22,006.89	555.59
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	17,521.53	388.91
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	19,081.10	444.47
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	21,348.19	500.03
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	22,920.37	555.59
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	32,684.52	611.14
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	38,457.06	666.70
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	39,908.74	722.26
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	18,122.58	388.91
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	19,443.97	444.47
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	21,505.11	500.03
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	23,480.80	555.59
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	33,701.69	611.14
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	41,837.81	666.70
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	42,191.06	722.26
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	35,074.53	555.59
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	41,968.11	666.70
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	42,525.91	722.26
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	41,829.21	611.14
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	41,968.11	666.70
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	42,553.93	722.26
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	35,768.24	611.14
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	42,181.07	666.70
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	42,636.60	722.26

22 13 29 36-0116 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0117 Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP *(22 13 29 36-0116)*

22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	115,459.34	777.82
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	126,196.14	777.82
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	130,481.63	861.16
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	133,146.29	861.16
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	115,918.13	861.16
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	152,079.42	944.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	133,354.63	944.49
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	133,632.43	1,055.61
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	158,598.16	1,055.61
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	189,253.15	1,166.73
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	184,841.42	1,125.06
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	188,781.62	1,277.84
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	188,781.62	1,277.84

22 13 36 Packaged, Wastewater Pump Units *(22 13)*

22 13 36 00-0001 Dri-Prime Pumps With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*

22 13 36 00-0002	EA	4" Trailer Mounted Trash Pump (Godwin Pumps CD100M)	40,410.36	
22 13 36 00-0003	EA	4" Skid Mounted Trash Pump (Godwin Pumps CD100M)	38,985.51	
22 13 36 00-0004	EA	6" Trailer Mounted Trash Pump (Godwin Pumps CD150M)	52,253.50	
22 13 36 00-0005	EA	6" Skid Mounted Trash Pump (Godwin Pumps CD150M)	50,384.33	
22 13 36 00-0006	EA	8" Trailer Mounted Trash Pump (Godwin Pumps CD225M)	73,940.37	
22 13 36 00-0007	EA	8" Skid Mounted Trash Pump (Godwin Pumps CD225M)	70,998.74	

22 13 36 00-0008 Dri-Prime Pumps Critically Silenced With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*

22 13 36 00-0009	EA	4" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD100M)	61,277.56	
22 13 36 00-0010	EA	4" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD100M)	55,509.21	
22 13 36 00-0011	EA	6" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD150M)	73,503.72	
22 13 36 00-0012	EA	6" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD150M)	67,781.33	
22 13 36 00-0013	EA	8" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD225M)	92,999.69	
22 13 36 00-0014	EA	8" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD225M)	84,917.87	

22 13 36 00-0015 Heidra Hydraulic Submersible Pumps With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)*

Note: Includes pump, pumpend, and hoses.

22 13 36 00-0016	EA	4" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	46,178.59	
22 13 36 00-0017	EA	4" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	44,832.15	
22 13 36 00-0018	EA	6" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	62,344.27	
22 13 36 00-0019	EA	6" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	60,303.70	
22 13 36 00-0020	EA	8" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	115,315.51	
22 13 36 00-0021	EA	8" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	108,633.48	

22 13 36 00-0022 Heidra Hydraulic Submersible Pumps Critically Silenced With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)*

Note: Includes pump, pumpend, and hoses.

22 13 36 00-0023	EA	4" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	73,057.27	
22 13 36 00-0024	EA	4" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	67,211.54	
22 13 36 00-0025	EA	6" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	91,773.67	
22 13 36 00-0026	EA	6" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	82,950.70	
22 13 36 00-0027	EA	8" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	144,167.86	
22 13 36 00-0028	EA	8" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	133,170.52	

22 13 36 00-0029 Auto Start Controls Accessories *(22 13 36)*

22 13 36 00-0030	EA	Two Float Assembly for Godwin PrimeGuard Controller	546.96	
22 13 36 00-0031	EA	Level Transducer for Godwin PrimeGuard Controller	2,745.52	
22 13 36 00-0032	EA	Pressure Transducer for Godwin PrimeGuard Controller	957.56	
22 13 36 00-0033	EA	3016D/4045D Auto Throttle for Godwin PrimeGuard Controller	1,601.04	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0002		**Cast Iron Roof Drains With Large Polypropylene Dome** *(22 14 26 13-0001)*		
		Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	870.37	115.77
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	928.25	138.89
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	986.12	173.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,347.36	208.34
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,376.29	231.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,671.74	243.07
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,374.06	251.75
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0010		**Cast Iron Roof Drains With Expansion Joint** *(22 14 26 13-0001)*		
		Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,439.57	115.77
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,537.21	138.89
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,672.51	173.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,345.55	208.34
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,518.87	231.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0016		**Cast Iron Roof Drains With Flat Bronze Promenade Top** *(22 14 26 13-0001)*		
22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,055.91	115.77
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,113.79	138.89
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,171.66	173.62
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,515.34	208.34
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,544.27	231.47
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,370.35	46.32
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,393.50	57.86
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,404.02	63.12
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	1,982.98	83.68
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,019.90	102.16
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	971.36	115.77
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,029.24	138.89
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,087.11	173.62
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,059.17	115.77
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,117.05	138.89
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,174.92	173.62
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,536.17	208.34
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,565.10	231.47
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	1,860.55	243.07
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,562.87	251.75
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0040		Aluminum Roof Drains *(22 14 26 13)*		
22 14 26 13-0041		Aluminum Dome Roof Drains *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,092.11	115.77
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,149.99	138.89
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,207.86	173.62
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,598.03	231.26
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	1,893.61	243.07
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,595.80	251.75
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	702.60	138.89
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	776.36	173.62
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	926.75	208.34
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,019.25	231.26
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	845.64	138.89
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	913.05	173.62
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,072.97	208.34
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,120.97	231.26
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	708.96	138.89
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	782.72	173.62
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	933.11	208.34
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	974.75	231.26
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	449.82	69.45
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	449.82	69.45
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	449.82	69.45
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	733.44	86.81
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	733.44	86.81
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	994.07	86.81
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,110.28	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,128.31	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,147.28	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,167.05	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,861.64	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,879.67	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,898.64	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,918.41	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,894.33	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,912.36	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,931.33	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,951.10	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,410.45	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,428.48	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,447.45	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,467.22	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,060.45	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,078.48	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,097.45	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,117.22	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,069.92	83.62
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,087.95	92.64
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,106.92	102.16
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,126.69	112.02
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,310.69	83.62
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,328.72	92.64
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,347.69	102.16
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	740.36	83.62
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	758.39	92.64
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	777.36	102.16
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,227.63	83.62
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,245.66	92.64
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,264.63	102.16
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,226.03	83.62
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,244.06	92.64
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,263.03	102.16
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,700.53	83.62
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,718.56	92.64
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,737.53	102.16
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,960.24	83.62
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,978.27	92.64
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,997.24	102.16
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,056.94	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,074.97	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,093.94	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	597.46	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	615.49	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	634.46	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	994.33	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,012.36	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,031.33	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	972.96	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	513.48	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	910.35	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,744.65	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,762.68	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,781.65	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,176.10	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,194.13	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,213.10	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,666.89	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,684.92	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,703.89	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,441.69	83.62
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,459.72	92.64
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,478.69	102.16
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,660.66	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,092.11	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,582.90	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,357.70	41.67
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,370.81	201.65
		For Explosion Proof Motor, Add	*344.79*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,664.98	244.07
		For Explosion Proof Motor, Add	*383.31*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	7,587.23	289.97
		For Explosion Proof Motor, Add	*495.18*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	7,985.88	356.71
		For Explosion Proof Motor, Add	*561.20*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	8,407.81	386.61
		For Explosion Proof Motor, Add	*819.80*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	9,957.57	463.80
		For Explosion Proof Motor, Add	*929.84*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	11,797.42	480.39
		For Explosion Proof Motor, Add	*1,524.05*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	14,101.10	573.66
		For Explosion Proof Motor, Add	*2,022.90*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	15,093.04	669.03
		For Explosion Proof Motor, Add	*2,622.62*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	20,519.26	803.12
		For Explosion Proof Motor, Add	*3,416.74*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	29,032.12	892.04
		For Explosion Proof Motor, Add	*5,415.80*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,074.44
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,175.68
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,286.47
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,544.67
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,726.52
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,757.96
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,973.49
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,159.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0022		Support Plate *(22 14 29 13)*		
22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	856.83	27.78
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	948.18	31.25
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,318.46	41.67
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,932.57	48.61
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,074.86	50.35
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,221.08	52.09
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,835.64	62.50
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,866.36	69.45
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,169.90	86.81
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,257.19	95.49
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
22 14 29 16-0001		Submersible Sump/Effluent Pumps *(22 14 29 16)*		
22 14 29 16-0002		Wet Pit Submersible Pumps, (KSB) Series KRT K *(22 14 29 16-0001)*		
		Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0003		4 Pole / 1,750 RPM *(22 14 29 16-0002)*		
22 14 29 16-0004	EA	To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump	8,302.00	223.41
22 14 29 16-0005	EA	11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump	9,635.52	372.35
22 14 29 16-0006	EA	21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump	16,642.12	521.29
22 14 29 16-0007	EA	51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump	40,747.62	670.23
22 14 29 16-0008	EA	83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump	44,069.01	819.17
22 14 29 16-0009	EA	83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump	47,912.59	819.17
22 14 29 16-0010	EA	83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump	48,841.18	819.17
22 14 29 16-0011	EA	110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump	56,833.93	968.11
22 14 29 16-0012	EA	110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump	58,480.65	968.11
22 14 29 16-0013	EA	110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump	60,544.59	968.11
22 14 29 16-0014	EA	160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump	64,277.19	1,117.05
22 14 29 16-0015	EA	160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump	68,670.91	1,117.05
22 14 29 16-0016		6 Pole / 1160 RPM *(22 14 29 16-0002)*		
22 14 29 16-0017	EA	To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump	11,647.13	223.41
22 14 29 16-0018	EA	To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump	12,636.64	223.41
22 14 29 16-0019	EA	11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump	16,344.24	372.35
22 14 29 16-0020	EA	11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump	17,852.51	372.35
22 14 29 16-0021	EA	21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump	25,835.70	521.29
22 14 29 16-0022	EA	21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump	27,436.27	521.29
22 14 29 16-0023	EA	21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump	33,308.72	521.29
22 14 29 16-0024	EA	21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump	39,906.68	521.29
22 14 29 16-0025	EA	51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump	40,472.55	670.23
22 14 29 16-0026	EA	51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump	46,396.69	670.23
22 14 29 16-0027	EA	51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump	46,773.29	670.23
22 14 29 16-0028	EA	76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump	54,883.47	819.17
22 14 29 16-0029	EA	76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump	59,129.50	819.17
22 14 29 16-0030	EA	76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump	68,352.61	819.17
22 14 29 16-0031	EA	112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump	74,416.18	968.11
22 14 29 16-0032	EA	112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump	74,968.17	968.11
22 14 29 16-0033	EA	155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump	92,393.29	1,117.05
22 14 29 16-0034	EA	155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump	102,563.46	1,117.05
22 14 29 16-0035	EA	201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump	112,480.56	1,265.99
22 14 29 16-0036	EA	281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump	161,626.64	1,414.93
22 14 29 16-0037		8 Pole / 875 RPM *(22 14 29 16-0002)*		
22 14 29 16-0038	EA	To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump	10,992.40	372.35
22 14 29 16-0039	EA	21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump	12,484.71	521.29
22 14 29 16-0040	EA	31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump	17,998.13	670.23
22 14 29 16-0041	EA	51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump	35,104.35	819.17
22 14 29 16-0042	EA	118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump	44,485.36	968.11
22 14 29 16-0043	EA	176-210 HP, 14,000 GPM At 50' Head, Wet Pit Submersible Pump	60,933.90	1,117.05
22 14 29 16-0044	EA	211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump	64,945.33	1,265.99
22 14 29 16-0045		10 Pole / 700 RPM *(22 14 29 16-0002)*		
22 14 29 16-0046	EA	To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump	30,702.02	521.29
22 14 29 16-0047	EA	56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump	34,806.87	670.23
22 14 29 16-0048	EA	76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump	52,574.00	819.17
22 14 29 16-0049	EA	118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump	61,951.31	968.11
22 14 29 16-0050		Dry Pit Submersible Pumps, (KSB) Series KRT K-D *(22 14 29 16-0001)*		
		Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0051		4 Pole / 1,750 RPM *(22 14 29 16-0050)*		
22 14 29 16-0052	EA	To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump	26,703.37	521.29
22 14 29 16-0053	EA	To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump	29,564.82	521.29
22 14 29 16-0054	EA	36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump	30,522.09	595.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0055	EA	36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump	35,465.94	595.76
22 14 29 16-0056	EA	51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump	53,215.49	670.23
22 14 29 16-0057	EA	51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump	54,219.77	670.23
22 14 29 16-0058	EA	76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump	58,411.36	819.17
22 14 29 16-0059	EA	76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump	58,647.66	819.17
22 14 29 16-0060	EA	110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump	83,345.77	968.11
22 14 29 16-0061	EA	110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump	96,742.92	968.11
22 14 29 16-0062		**6 Pole / 1160 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0063	EA	To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump	33,526.56	521.29
22 14 29 16-0064	EA	To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump	36,823.69	521.29
22 14 29 16-0065	EA	To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump	45,648.05	521.29
22 14 29 16-0066	EA	36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump	49,690.14	595.76
22 14 29 16-0067	EA	36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump	57,122.54	595.76
22 14 29 16-0068	EA	51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump	62,811.52	670.23
22 14 29 16-0069	EA	51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump	76,960.03	670.23
22 14 29 16-0070	EA	76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump	86,717.61	819.17
22 14 29 16-0071	EA	76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump	95,591.82	819.17
22 14 29 16-0072	EA	112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump	116,981.71	968.11
22 14 29 16-0073	EA	112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump	141,748.99	968.11
22 14 29 16-0074	EA	154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump	146,292.03	1,117.05
22 14 29 16-0075	EA	154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump	150,538.06	1,117.05
22 14 29 16-0076	EA	201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump	222,004.14	1,265.99
22 14 29 16-0077		**8 Pole / 875 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0078	EA	To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump	48,330.43	521.29
22 14 29 16-0079	EA	To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump	61,092.52	521.29
22 14 29 16-0080	EA	36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump	68,464.98	595.76
22 14 29 16-0081	EA	51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump	85,202.86	670.23
22 14 29 16-0082	EA	76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump	107,768.69	819.17
22 14 29 16-0083	EA	76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump	115,034.94	819.17
22 14 29 16-0084	EA	110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump	126,747.58	968.11
22 14 29 16-0085	EA	110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump	141,813.60	968.11
22 14 29 16-0086	EA	110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump	184,984.65	968.11
22 14 29 16-0087	EA	154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump	242,975.98	1,117.05
22 14 29 16-0088	EA	215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump	263,561.70	1,265.99
22 14 29 16-0089		**10 Pole / 700 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0090	EA	To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump	103,612.88	595.76
22 14 29 16-0091	EA	To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump	110,639.13	595.76
22 14 29 16-0092	EA	56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump	115,662.59	670.23
22 14 29 16-0093	EA	55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump	120,537.22	670.23
22 14 29 16-0094	EA	76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump	181,398.55	819.17
22 14 29 16-0095	EA	110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump	199,546.69	968.11
22 14 29 16-0096	EA	154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump	257,141.10	1,117.05
22 14 29 16-0097		**Submersible Sump Pump With Vortex Impeller** *(22 14 29 16)*		
22 14 29 16-0098		**Submersible Sump Pump With Cast Iron Vortex Impeller** *(22 14 29 16-0097)*		
22 14 29 16-0099	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	470.95	45.21
22 14 29 16-0100	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	534.00	45.21
22 14 29 16-0101	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	897.64	47.84
22 14 29 16-0102	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	997.41	47.84
22 14 29 16-0103		**Submersible Sump Pump With Bronze Vortex Impeller** *(22 14 29 16-0097)*		
		Note: Includes 20' of cord with pump.		
22 14 29 16-0104	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,593.23	47.84
22 14 29 16-0105	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,743.57	47.84
22 14 29 16-0106	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,825.15	52.74
22 14 29 16-0107	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,985.88	52.74
22 14 29 16-0108	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,029.26	60.28
22 14 29 16-0109	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,187.22	60.28
22 14 29 16-0110	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,166.10	71.58
22 14 29 16-0111	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,303.27	71.58

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0112			Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*		
			Note: Includes 20' of cord with pump.		
22 14 29 16-0113		EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,226.28	45.21
22 14 29 16-0114		EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,269.39	45.21
22 14 29 16-0115		EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,604.36	47.84
22 14 29 16-0116		EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,634.65	47.84
22 14 29 16-0117		EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,976.60	50.49
22 14 29 16-0118		EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,976.60	50.49
22 14 29 16-0119		EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,091.34	52.74
22 14 29 16-0120		EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,091.34	52.74
22 14 29 16-0121		EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,386.60	60.28
22 14 29 16-0122		EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,386.60	60.28
22 14 29 16-0123		EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,775.63	71.58
22 14 29 16-0124		EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,723.19	71.58
22 14 29 19			**Sump-Pump Basins and Pits** *(22 14 29)*		
			See CSI section 22 13 29 33-0000 for basins and pits.		

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001			Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*		
22 15 13 00-0002			Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*		
			Note: For compressed air system		
22 15 13 00-0003		LF	3/4" Diameter, Blue Rigid Aluminum Pipe	7.13	1.50
			Note: For compresed air system		
22 15 13 00-0004		LF	1" Diameter, Blue Rigid Aluminum Pipe	9.38	1.66
			Note: For compresed air system		
22 15 13 00-0005		LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe	12.94	2.11
			Note: For compresed air system		
22 15 13 00-0006		LF	2" Diameter, Blue Rigid Aluminum Pipe	16.11	2.41
			Note: For compresed air system		
22 15 13 00-0007		LF	3" Diameter, Blue Rigid Aluminum Pipe	28.49	3.31
			Note: For compresed air system		
22 15 13 00-0008			Compression Fittings (FastPipe) *(22 15 13 00-0001)*		
			Note: For compressed air system		
22 15 13 00-0009			Compression Union *(22 15 13 00-0008)*		
22 15 13 00-0010		EA	3/4" Diameter, FastPipe Compression Union	27.00	2.11
			Note: For compresed air system		
22 15 13 00-0011		EA	1" Diameter, FastPipe Compression Union	41.17	3.02
			Note: For compresed air system		
22 15 13 00-0012		EA	1-1/2" Diameter, FastPipe Compression Union	65.83	4.22
			Note: For compresed air system		
22 15 13 00-0013		EA	2" Diameter, FastPipe Compression Union	81.95	5.43
			Note: For compresed air system		
22 15 13 00-0014		EA	3" Diameter, FastPipe Compression Union	162.60	8.44
			Note: For compresed air system		
22 15 13 00-0015			Compression 90 Degree Elbow *(22 15 13 00-0008)*		
22 15 13 00-0016		EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow	28.99	2.11
			Note: For compresed air system		
22 15 13 00-0017		EA	1" Diameter, FastPipe Compression 90 Degree Elbow	43.24	3.02
			Note: For compresed air system		
22 15 13 00-0018		EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow	68.02	4.22
			Note: For compresed air system		
22 15 13 00-0019		EA	2" Diameter, FastPipe Compression 90 Degree Elbow	94.40	5.43
			Note: For compresed air system		
22 15 13 00-0020		EA	3" Diameter, FastPipe Compression 90 Degree Elbow	189.06	8.44
			Note: For compresed air system		
22 15 13 00-0021			Compression 45 Degree Elbow *(22 15 13 00-0008)*		
22 15 13 00-0022		EA	1" Diameter, FastPipe Compression 45 Degree Elbow	43.69	3.02
			Note: For compresed air system		
22 15 13 00-0023		EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow	77.59	4.22
			Note: For compresed air system		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	103.39	5.43
22 15 13 00-0025		**Compression Tee** *(22 15 13 00-0008)*		
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	37.99	3.16
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	53.67	4.52
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	105.99	6.33
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	131.14	8.14
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	258.70	12.66
22 15 13 00-0031		**Compression Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	52.39	4.06
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	96.36	5.27
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	99.78	5.73
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	122.47	6.48
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	125.39	6.93
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	40.92	2.56
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	61.95	3.16
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	61.86	3.62
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	79.40	3.77
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	81.25	4.22
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	85.09	4.83
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	58.21	4.37
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	61.05	4.97
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	69.59	4.83
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	70.47	5.43
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	71.98	6.03
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	66.14	5.43
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	67.57	6.03
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	78.96	6.33
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	80.08	6.93
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	81.90	7.54
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	116.33	8.14
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	117.84	8.74
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	129.07	9.35
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	130.57	9.95
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	102.25	2.11
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	130.33	3.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	276.52	4.22
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	401.87	5.43
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	649.46	8.44
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	80.06	4.97
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	81.95	5.43
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	25.30	3.92
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	40.71	10.55
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	45.99	12.81
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	673.56	60.22
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	777.15	61.88
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	924.80	63.56
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,045.52	66.90
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,373.70	75.27
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,553.05	85.64
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,740.88	97.02
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,051.47	108.72
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,376.98	127.12
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,686.00	135.83
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,165.34	150.54
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,647.05	167.27
		For 230 Voltage, Add	*993.75*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,938.81	184.00
		For 230 Voltage, Add	*1,071.25*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,236.40	204.07
		For 230 Voltage, Add	*1,148.74*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,583.13	217.45
		For 230 Voltage, Add	*1,244.47*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,850.57	225.82
		For 230 Voltage, Add	*1,319.69*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,559.69	234.17
		For 230 Voltage, Add	*2,427.40*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,207.00	242.54
		For 230 Voltage, Add	*2,616.58*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,836.09	250.90
		For 230 Voltage, Add	*2,800.29*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,715.73	267.63
		For 230 Voltage, Add	*3,354.14*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,258.13	334.54
		For 230 Voltage, Add	*3,776.72*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	18,930.52	401.44
		For 230 Voltage, Add	*5,438.29*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	25,780.51	468.35
		For 230 Voltage, Add	*7,453.15*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	28,854.57	535.25
		For 230 Voltage, Add	*8,335.22*	
22 15 13 00-0100		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	632.15	24.13
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	849.74	28.28
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	994.04	32.05
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,249.99	37.71
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,485.40	45.25
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	2,992.04	94.27
22 15 13 00-0107		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	96.36	20.08
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	135.58	26.76
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	241.34	33.45
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	296.07	50.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	423.03	58.55
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	439.76	66.90
22 15 13 00-0114		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	378.73	60.22
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	464.46	80.29
22 15 13 00-0117		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	2,464.56	60.22
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	2,967.69	66.90
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	2,991.69	73.60
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	3,417.51	83.63
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	4,719.71	100.36
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	4,633.15	133.82
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	6,233.24	167.27
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	6,596.14	200.72
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	7,548.00	234.17
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	8,668.37	267.63
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	9,304.34	301.08
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	11,404.34	334.54
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	12,644.34	401.44
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	14,610.67	468.35
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	16,862.67	535.25
22 15 13 00-0133		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	600.28	41.82
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	816.04	50.18
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	893.55	58.55
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,095.66	66.90
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,540.88	75.27
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	1,730.84	83.63
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	3,401.39	100.36
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	3,546.07	117.09
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	3,689.54	133.82
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	4,332.01	150.54
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	4,733.80	167.27
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	5,434.61	184.00
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	7,005.79	200.72
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	8,023.27	217.45
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	8,277.06	234.17
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	8,875.76	250.90
22 15 13 00-0150		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0151		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	200.97	24.51
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	243.52	24.51
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	264.73	28.28
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	304.94	32.43
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	357.32	35.83
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	402.79	43.36
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	491.88	47.14
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	526.43	56.56
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	673.55	75.42
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	771.42	84.85
22 15 13 00-0162		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	249.60	24.51
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	269.28	28.28
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	309.20	32.43
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	365.83	32.05
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	412.51	43.36
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	469.59	47.14
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	537.37	56.56
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	691.78	75.42
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	795.73	84.85
22 15 13 00-0172		**Compressed Air Storage Tanks** *(22 15 13)*		
22 15 13 00-0173		**Horizontal Compressed Air Storage Tanks** *(22 15 13 00-0172)*		
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	319.78	53.53
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	950.05	58.55
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,008.12	61.56
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,159.92	66.90
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,504.54	90.33
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,844.25	100.36
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,874.13	117.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,417.33	133.82
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	4,947.37	142.18
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,329.17	150.54
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,729.34	175.63
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	14,135.98	209.08

22 15 13 00-0186 Vertical Compressed Air Storage Tanks *(22 15 13 00-0172)*

22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	887.95	53.53
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	924.02	58.55
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,008.12	61.56
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,211.46	66.90
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,659.15	90.33
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,918.70	100.36
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,712.23	117.09
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,083.63	133.82
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,522.03	142.18
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,287.98	150.54
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	8,113.41	175.63
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,697.81	192.35
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	18,109.26	217.45

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,789.11	237.38
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,911.61	273.99
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,444.06	323.56
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,084.01	357.02
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	6,327.37	377.09
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,783.17	390.47
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	7,603.02	446.26
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,165.24	473.03
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	9,855.23	535.52

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	7,311.67	417.23
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	7,771.29	490.90
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	8,082.31	535.52
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	9,041.41	714.03
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	9,848.99	714.03
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	10,345.51	892.54
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	11,077.97	892.54
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	14,255.95	1,103.96
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	15,217.05	1,137.42
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	16,458.10	1,329.31
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	25,720.99	1,504.73
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	27,475.94	1,700.30
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	30,656.89	1,879.21
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	33,323.51	2,059.52

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	12,692.01	601.86
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	13,913.95	802.48
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,889.20	1,006.11
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,418.90	1,282.15
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	23,338.63	1,508.41
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	28,549.66	1,696.96
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	31,217.76	1,885.51
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,901.23	2,111.78
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	41,774.74	2,262.61
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	47,087.10	2,438.34
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	62,289.53	2,639.71
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	69,374.59	2,790.56
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	114,086.15	3,016.82
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	143,288.19	3,261.93
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	166,980.13	3,510.82
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	218,822.27	3,771.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	249,119.88	4,012.37
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)* Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	15,743.22	802.48
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	16,825.01	802.48
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,749.37	1,006.11
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,932.57	1,006.11
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,892.18	1,282.15
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	22,142.99	1,282.15
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	23,729.27	1,508.41
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	25,081.51	1,508.41
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	42,793.17	1,696.96
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	45,968.36	1,885.51
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	48,805.48	2,111.78

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,176.79	190.98
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,411.03	199.67
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	5,855.16	208.34
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,786.72	217.03
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,244.85	225.70
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	7,914.41	208.34
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,328.24	217.03
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,788.70	225.70
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,513.17	234.39
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,722.25	243.07
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,363.23	251.75
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,222.87	217.03
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,667.00	225.70
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,396.13	234.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,605.21	243.07
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,390.78	251.75
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,404.00	260.43
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,621.49	269.11
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	30,107.30	251.75
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,844.86	260.43
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	39,006.37	269.11
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	49,236.05	277.79
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	54,561.30	286.47
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,124.20	325.54
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,020.12	338.56
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	24,005.60	351.58
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,286.79	364.61
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,227.07	377.63
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,920.19	390.65
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	50,632.86	403.66
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	55,464.22	377.63
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	63,806.56	390.65
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	71,778.10	403.66
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	91,531.47	416.68
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	102,268.89	429.71
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,734.38	286.47
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,194.20	299.50
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,875.57	312.52
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,552.74	325.54
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,609.58	338.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)*		
		Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,689.52	312.52
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,443.18	325.54
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,569.97	338.56
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,895.47	351.58
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,255.96	364.61
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,522.26	377.63

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,635.53	122.55
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,675.37	131.98
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,845.82	141.41
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,160.85	150.84
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,247.34	160.27
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	3,979.81	169.70
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,708.63	179.13
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,656.13	188.56
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,411.02	197.98
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,335.22	207.41
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	11.77	1.51
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	11.77	1.51
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	11.77	1.51
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	9.43	1.51
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	12.35	1.51
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	12.35	1.51
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	13.51	1.51
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	17.60	1.51
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	13.51	1.51
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	16.43	1.51
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	16.43	1.51
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	16.43	1.51
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	18.18	1.51
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	24.59	1.51
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	22.26	1.51
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	22.26	1.51
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	24.59	1.51
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	22.84	1.51
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	22.84	1.51
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	23.43	1.51
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	25.18	1.51
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	39.17	1.51
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	37.42	1.51
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	37.42	1.51
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	37.42	1.51
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	50.25	1.51
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.40	1.51
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	60.16	1.51
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.64	1.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	88.14	1.51
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.80	1.51
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,046.47	113.13
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	729.47	1.51
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	149.36	1.51
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	148.19	1.51
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	148.19	1.51
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	170.35	1.51
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	399.48	1.51
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	374.99	1.51
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	408.81	1.51
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	428.63	1.51
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	456.62	1.51
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	495.10	1.51

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	604.48	37.67
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	599.19	37.67

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	788.82	56.51
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	718.60	75.35
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,210.45	131.86
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,910.86	150.70
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,682.32	75.35
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,277.06	113.02
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,452.75	150.70
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,558.99	150.70
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,659.33	150.70
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,806.88	150.70

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,016.28	118.68
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,291.04	126.21
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,562.05	131.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,688.98	131.86
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,563.09	135.63
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,525.18	139.40
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,734.28	141.28
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,653.18	145.05
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,696.94	150.70
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,677.15	160.12

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,834.73	131.86
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,725.40	135.63
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,836.82	139.40

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,895.66	135.63
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,090.02	139.40
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,630.29	145.05
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,875.32	150.70

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	151.57	7.54
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	182.02	7.54
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	370.17	7.54
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	502.59	7.54
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	72.37	5.65
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	79.73	5.65
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	84.64	5.65
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	101.81	5.65
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	35.46	5.65
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	39.38	5.65
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	44.90	5.65
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	52.00	5.65

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters *(22 33 30)*

22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,645.42	150.70
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,613.33	160.12

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,561.31	131.86
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,794.80	131.86
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,006.65	150.70
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,675.03	150.70
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,491.60	188.38
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,122.86	226.05
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,230.96	339.08

22 33 33 00-0009 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	10,825.87	131.86
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,270.60	131.86
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,752.39	131.86
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	11,790.06	150.70
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,345.97	150.70
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,235.43	150.70
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	13,828.41	150.70
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,310.20	150.70
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	14,829.05	150.70
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	12,901.89	150.70
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,420.74	150.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,013.71	150.70
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,495.50	150.70
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,014.35	150.70
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	18,831.61	150.70
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	13,977.88	188.38
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,459.67	188.38
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,052.64	188.38
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,571.49	188.38
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,425.82	188.38
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,204.73	188.38
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	22,946.59	188.38
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,128.63	226.05
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,610.42	226.05
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,092.21	226.05
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,611.07	226.05
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,576.57	226.05
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,355.49	226.05
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,097.35	226.05
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,247.51	226.05
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,655.83	226.05
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,547.85	226.05
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	40,848.19	226.05
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,447.58	226.05
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	17,984.14	301.40
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,540.05	301.40
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,058.90	301.40
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,503.63	301.40
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,432.08	301.40
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,211.00	301.40
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	26,915.79	301.40
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,140.08	301.40
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,511.33	301.40
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,440.42	301.40
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	42,777.82	301.40
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,340.14	301.40
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,097.82	339.08
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	20,616.68	339.08
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,061.40	339.08
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,026.91	339.08
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	26,620.52	339.08
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,473.56	339.08
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	31,697.85	339.08
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,106.16	339.08
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	37,738.76	339.08
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,335.59	339.08
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	54,897.92	339.08
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	22,619.19	376.75
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,212.16	376.75
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,066.48	376.75
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	28,845.40	376.75
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	30,587.26	376.75
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	33,737.43	376.75
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,182.80	376.75
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,037.76	376.75
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,338.10	376.75
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	56,974.55	376.75
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,104.09	452.10
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	24,622.94	452.10
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	28,477.26	452.10
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,182.06	452.10
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	31,998.04	452.10
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,148.20	452.10
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	36,482.39	452.10
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	41,485.60	452.10
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	47,823.00	452.10
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	58,348.26	452.10

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	45.81
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	68.76

22 33 33 00-0090 Removal And Reinstallation Of Water Heater *(22 33 33)*

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	251.17
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	753.50

22 33 36 Commercial Domestic Water Electric Booster Heaters *(22 33)*

22 33 36 16 Commercial Storage Electric Domestic Water Heaters *(22 33 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	42,965.35	506.85
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	45,117.56	506.85
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	47,269.78	506.85
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	49,421.99	506.85
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	53,726.42	506.85
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,030.85	506.85
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,474.40	506.85
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,692.29	595.56
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,861.07	595.56
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	50,029.84	595.56
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	52,198.61	595.56
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	56,536.14	595.56
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	60,873.69	595.56
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	64,343.73	595.56
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	69,548.76	595.56
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	47,363.57	677.92
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	49,501.07	677.92
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	51,638.57	677.92
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	53,776.07	677.92
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,051.07	677.92
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,326.07	677.92
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	66,601.07	677.92
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	71,731.07	677.92
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	76,861.06	677.92
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	52,201.85	779.29
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	54,353.03	779.29
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	56,504.22	779.29
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	60,806.58	779.29
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	65,108.94	779.29
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	68,550.82	779.29
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	75,147.78	779.29
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	80,310.61	779.29
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	82,892.03	779.29
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	85,473.44	779.29
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	88,054.86	779.29
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	57,869.45	918.67
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	59,885.33	918.67
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	61,901.21	918.67
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	65,932.97	918.67
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	69,964.73	918.67
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	73,190.14	918.67
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	78,028.25	918.67
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	82,866.37	918.67
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	85,285.42	918.67
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	87,704.48	918.67
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	90,123.54	918.67
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	93,752.12	918.67
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	63,448.32	1,013.71
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	65,938.99	1,013.71
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	68,429.66	1,013.71
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	73,410.99	1,013.71
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	78,392.33	1,013.71
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	82,377.40	1,013.71
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	88,355.01	1,013.71
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	94,332.61	1,013.71
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	97,321.41	1,013.71
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	100,310.21	1,013.71
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	103,299.02	1,013.71
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	109,276.62	1,013.71
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	112,265.42	1,013.71
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	74,131.72	1,140.42
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	76,786.08	1,140.42
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	79,440.43	1,140.42
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	84,749.15	1,140.42
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	90,057.87	1,140.42
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	94,304.84	1,140.42
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	100,675.30	1,140.42
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	107,045.76	1,140.42
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	110,230.99	1,140.42
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	113,416.22	1,140.42
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	116,601.45	1,140.42
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	122,971.91	1,140.42
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	126,157.14	1,140.42
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	132,527.60	1,140.42
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	138,898.05	1,140.42
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	87,132.88	1,267.14
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	90,219.04	1,267.14
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	93,305.21	1,267.14
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	99,477.52	1,267.14
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	105,649.85	1,267.14
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	110,587.71	1,267.14
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	116,958.17	1,267.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	124,364.95	1,267.14
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	128,068.35	1,267.14
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	131,771.74	1,267.14
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	135,475.14	1,267.14
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	143,918.25	1,267.14
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	151,325.03	1,267.14
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	155,028.43	1,267.14
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	162,435.22	1,267.14
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	100,150.16	1,691.63
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	106,439.23	1,691.63
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	112,728.30	1,691.63
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	117,759.55	1,691.63
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	125,306.44	1,691.63
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	132,853.32	1,691.63
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	136,626.77	1,691.63
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	140,400.22	1,691.63
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	144,173.65	1,691.63
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	151,720.54	1,691.63
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	159,267.43	1,691.63
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	163,040.86	1,691.63
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,587.76	1,691.63
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	116,989.90	2,173.14
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	122,374.48	2,173.14
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	127,759.05	2,173.14
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	132,066.72	2,173.14
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	138,528.21	2,173.14
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	144,989.70	2,173.14
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	148,220.44	2,173.14
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	151,451.19	2,173.14
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	154,681.93	2,173.14
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	161,143.42	2,173.14
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	167,604.91	2,173.14
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	170,835.65	2,173.14
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	177,297.14	2,173.14
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	129,637.10	2,534.28
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	134,584.97	2,534.28
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	139,532.84	2,534.28
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	143,491.14	2,534.28
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	149,428.59	2,534.28
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	155,366.04	2,534.28
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	158,334.76	2,534.28
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	161,303.49	2,534.28
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	164,272.22	2,534.28
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	170,209.66	2,534.28
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	176,147.11	2,534.28
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	179,115.83	2,534.28
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	185,053.29	2,534.28
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	190,990.73	2,534.28
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	141,874.62	3,041.13
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	146,655.02	3,041.13
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	151,435.42	3,041.13
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	155,259.74	3,041.13
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	160,996.22	3,041.13
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	166,732.70	3,041.13
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	169,600.94	3,041.13
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	172,469.18	3,041.13
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	175,337.42	3,041.13
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	181,073.91	3,041.13
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	186,810.39	3,041.13
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	189,678.63	3,041.13
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	195,415.11	3,041.13
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	201,151.59	3,041.13

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,448.77	150.70
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,677.50	152.59
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,971.35	156.36
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,530.74	160.12
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,351.59	169.54
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,453.85	169.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,673.73	150.70
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,351.59	169.54
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,750.73	145.05
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,703.08	148.82
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,382.58	152.59
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,601.28	156.36
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,868.35	160.12
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,416.32	169.54
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,503.59	148.82
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	4,038.15	152.59
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	5,361.21	156.36
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	3,147.64	148.82
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,285.03	152.59
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,213.24	226.05
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,840.15	263.73
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,141.11	301.40
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,109.54	301.40
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,305.89	301.40
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	10,367.40	331.54
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,186.65	339.08
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	11,157.91	372.98
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,761.61	339.08
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	10,712.85	372.98
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,688.48	414.43
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	11,684.04	455.87
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	9,860.19	414.43
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	11,757.19	455.87
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,035.87	452.10
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	12,975.05	497.31
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,554.54	452.10
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	15,408.25	497.31
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	15,229.18	489.78
22 34 36 13-0021	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,406.35	188.38
22 34 36 13-0022	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,723.15	188.38
22 34 36 13-0023		Removal And Reinstallation Of Water Heater *(22 34 36 13)* Note: Includes storage and cleaning.		
22 34 36 13-0024	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	342.50	
22 34 36 13-0025	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	905.66	
22 34 36 19		**Commercial, Power-Vent, Gas Domestic Water Heaters** *(22 34 36)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0001		Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,506.69	226.05
22 34 36 19-0003	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	4,858.04	226.05
22 34 36 19-0004	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	6,947.82	226.05
22 34 36 19-0005	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	8,861.82	248.66
22 34 36 19-0006	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	9,365.52	263.73
22 34 36 19-0007	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	11,507.27	290.10
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	9,294.57	301.40
22 34 36 19-0009	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	11,709.51	331.54
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	10,825.21	339.08
22 34 36 19-0011	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	12,742.57	372.98
22 34 36 19-0012	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	14,113.39	455.87
22 34 36 19-0013	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	15,453.68	497.31
22 34 36 19-0014	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	16,947.98	538.76

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001		Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)* Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	98,810.35	1,013.71
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	119,819.60	1,077.07
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	145,981.92	1,140.42
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	174,889.13	1,203.78
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	183,300.01	1,267.14
22 34 36 23-0007		Gas Fired Water Heaters, High Efficiency (90%) *(22 34 36 23)* Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0008	EA	500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	23,989.58	688.70
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0009	EA	750 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	32,444.31	803.24
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0010	EA	1,000 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	38,039.95	963.59
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0011	EA	1,200 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	41,554.75	1,207.42
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0012	EA	1,500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency	46,552.82	1,326.17
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0013		Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*		
22 34 36 23-0014	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	11,637.23	556.28
22 34 36 23-0015	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	12,587.94	625.82
22 34 36 23-0016	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	14,507.22	764.89
22 34 36 23-0017	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	21,616.64	834.43
22 34 36 23-0018	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	23,680.86	973.49
22 34 36 23-0019	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,089.64	1,112.57
22 34 36 23-0020	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	29,887.45	1,251.64
22 34 36 23-0021	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	35,911.79	1,390.71
22 34 36 23-0022	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	37,234.88	1,460.25
22 34 36 23-0023	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	40,007.36	1,529.78
22 34 36 23-0024		Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)* Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0025	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	21,005.77	417.15
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	24,676.95	556.28
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	32,498.16	625.82
		For Skid Mounting, Add	*950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0028	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	40,850.31	764.89
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0029	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	48,397.60	834.43
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0030	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	54,805.16	903.97
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0031	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	66,003.80	973.49
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0032	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	73,218.66	1,043.03
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0033	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	96,792.28	1,112.57
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0034	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	130,181.87	1,460.25
		For Skid Mounting, Add	*950.00*	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,972.02	1,056.94
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	52,816.13	1,168.20
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	57,390.60	1,223.82
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	62,142.87	1,335.09

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,568.62	1,056.94
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,978.81	1,168.20
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,430.13	1,223.82
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,830.22	1,335.09

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,945.14	500.66
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,730.83	556.28
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,228.11	667.54
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	14,872.81	695.35
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,261.13	834.43
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,105.09	1,001.31
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,002.38	1,056.94
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,553.29	1,140.38
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,982.47	1,196.01
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,141.73	1,223.82

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,647.39	834.43
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	25,936.77	1,001.31
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,149.31	1,140.38
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,073.93	1,196.01
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,597.10	1,223.82

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,444.77	1,001.31
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,477.29	1,140.38
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,574.57	1,223.82

22 34 46 Oil-Fired Domestic Water Heaters *(22 34)*

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 11-0001 Oil-Fired Domestic Water Heaters *(22 34 46 11)*

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,834.60	116.04
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,785.24	116.04
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	3,943.82	116.04
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,140.32	119.06
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,210.04	122.06
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,425.89	122.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 11-0008		**Oil-Fired Commercial Water Heaters** *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	5,845.97	180.84
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	6,878.36	180.84
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	6,918.07	180.84
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	9,699.00	241.12
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	13,708.47	301.40
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	17,140.07	331.54
22 34 46 13		**Large-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 13-0001		**Commercial Oil-Fired Domestic Water Heaters** *(22 34 46 13)*		
22 34 46 13-0002	EA	140 Gallon, 140 MBH, 134 GPH, Glass Lined, Commercial Oil-Fired Water Heater	28,588.45	446.19
22 34 46 13-0003	EA	140 Gallon, 199 MBH, 191 GPH, Glass Lined, Commercial Oil-Fired Water Heater	29,519.20	475.18
22 34 46 13-0004	EA	140 Gallon, 255 MBH, 247 GPH, Glass Lined, Commercial Oil-Fired Water Heater	30,629.56	593.97
22 34 46 13-0005	EA	140 Gallon, 270 MBH, 259 GPH, Glass Lined, Commercial Oil-Fired Water Heater	38,007.73	791.96
22 34 46 13-0006	EA	160 Gallon, 400 MBH, 385 GPH, Glass Lined, Commercial Oil-Fired Water Heater	39,255.47	950.36
22 34 46 13-0007	EA	160 Gallon, 540 MBH, 519 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,963.94	989.95
22 34 46 13-0008	EA	160 Gallon, 720 MBH, 691 GPH, Glass Lined, Commercial Oil-Fired Water Heater	41,864.53	1,032.96
22 34 46 13-0009	EA	200 Gallon, 300 MBH, 288 GPH, Glass Lined, Commercial Oil-Fired Water Heater	54,759.15	1,080.00
22 34 46 13-0010	EA	200 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	58,649.65	1,105.11
22 34 46 13-0011	EA	200 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	61,084.76	1,158.96
22 34 46 13-0012	EA	200 Gallon, 1,000 MBH, 960, Glass Lined, Commercial Oil-Fired Water Heater	62,775.19	1,131.39
22 34 46 13-0013	EA	240 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	63,431.17	1,168.46
22 34 46 13-0014	EA	240 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	68,788.75	1,228.97
22 34 46 13-0015	EA	300 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	64,054.04	1,188.97
22 34 46 13-0016	EA	300 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	66,773.34	1,239.42
22 34 46 13-0017	EA	300 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	68,251.17	1,251.07
22 34 46 13-0018	EA	300 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	69,535.89	1,311.57
22 34 46 13-0019	EA	300 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	74,345.99	1,389.18
22 34 46 13-0020	EA	400 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	69,458.43	1,272.84
22 34 46 13-0021	EA	400 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	72,461.85	1,319.97
22 34 46 13-0022	EA	400 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	73,727.16	1,370.73
22 34 46 13-0023	EA	400 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	75,640.52	1,454.68
22 34 46 13-0024	EA	400 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	79,903.22	1,549.47
22 34 46 13-0025	EA	400 Gallon, 1,750 MBH, 1,681 GPH, Glass Lined, Commercial Oil-Fired Water Heater	82,446.84	1,657.57
22 34 46 13-0026	EA	400 Gallon, 2,000 MBH, 1,921 GPH, Glass Lined, Commercial Oil-Fired Water Heater	89,008.82	1,738.44
22 34 46 13-0027	EA	400 Gallon, 2,250 MBH, 2,161 GPH, Glass Lined, Commercial Oil-Fired Water Heater	92,192.64	1,875.68
22 34 46 13-0028	EA	400 Gallon, 2,500 MBH, 2,401 GPH, Glass Lined, Commercial Oil-Fired Water Heater	95,376.38	2,013.00
22 35		**Domestic Water Heat Exchangers** *(22 30)*		
22 35 23		**Circulating, Domestic Water Heat Exchangers** *(22 35)*		
22 35 23 13		**Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)*		
22 35 23 13-0001		**Steam Driven Water Heaters** *(22 35 23 13)*		
22 35 23 13-0002		**Constant Flow** *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,272.45	376.75
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	7,844.48	461.67
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,037.86	603.78
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	13,555.14	840.99
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	19,834.26	1,385.09
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	21,546.06	1,569.78
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	28,562.33	1,811.28
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	34,411.78	2,140.64
22 35 23 13-0011		**Variable Flow** *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	9,255.59	734.67
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	10,415.56	897.05
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	13,268.32	1,159.95
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	17,287.67	1,618.38
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	25,460.34	2,706.59
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	31,348.47	2,980.64
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	36,272.11	3,488.43
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	46,222.12	4,167.64
22 40		**Plumbing Fixtures** *(22)*		
		Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.		
22 41		**Residential Plumbing Fixtures** *(22 40)*		
22 41 13		**Residential Water Closets, Urinals, and Bidets** *(22 41)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 13 13		**Residential Water Closets** *(22 41 13)*		
22 41 13 13-0001		Residential Toilets *(22 41 13 13)* See CSI section 22 42 13 13-0001 for additional water closets.		
22 41 13 13-0002	EA	2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Wellworth® K-3978) Note: Includes seat, wax ring, escutcheon, supply valve and line.	490.73	72.23
22 41 13 13-0003	EA	2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Highline® K-3999) Note: Includes seat, wax ring, escutcheon, supply valve and line.	505.26	72.23
22 41 13 13-0004	EA	Round Front Toilet Seat, White (Kohler K-4716-T)	57.30	11.76
22 41 16		**Residential Lavatories and Sinks** *(22 41)*		
22 41 16 13		**Residential Lavatories** *(22 41 16)*		
22 41 16 13-0001		Residential Wall Hung Lavatory *(22 41 16 13)* See CSI section 22 42 16 13-0002 for wall hung lavatories.		
22 41 16 13-0002		Residential Counter Top Lavatory *(22 41 16 13)* See CSI section 22 42 16 13-0012 for additional countertop lavatories.		
22 41 16 13-0003		Residential Culture Marble Lavatory Vanity Top *(22 41 16 13)* Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular. See CSI section 22 42 16 13-0030 for vanity top.		
22 41 16 16		**Residential Sinks** *(22 41 16)*		
22 41 16 16-0001		Residential Kitchen Sinks *(22 41 16 16)* Note: Includes strainer.		
22 41 16 16-0002	EA	25" x 22" x 6" Stainless Steel Kitchen Sink, Single Bowl, 22 Gauge (Elkay K125224)	518.95	65.28
22 41 16 16-0003	EA	33" x 21" x 6-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay D233213)	609.67	74.31
22 41 19		**Residential Bathtubs** *(22 41)*		
22 41 19 00-0001		Residential Bathtubs *(22 41 19)* See CSI section 22 42 19 00-0001 for additional tubs.		
22 41 19 00-0002	EA	5' Bathtub, American Standard Princeton Series	1,015.36	193.06
22 41 26		**Residential Disposers** *(22 41)*		
22 41 26 00-0001		Disposals *(22 41 26)*		
22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	199.89	33.31
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	238.52	33.31
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	335.08	33.31
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	431.65	33.31
22 41 39		**Residential Faucets, Supplies, and Trim** *(22 41)*		
22 41 39 00-0001		Residential Kitchen Faucets *(22 41 39)*		
22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	217.70	34.73
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	260.44	34.73
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	260.44	34.73
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	248.64	34.73
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	271.60	34.73
22 41 39 00-0007	EA	Kitchen Faucet, Polished Chrome (Kohler K-15251-B)	184.33	34.73
22 41 39 00-0008	EA	Kitchen Faucet, Polished Chrome (Kohler K-15171-P)	238.90	34.73
22 41 39 00-0009	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Standard Handles (Delta 2100LF)	178.17	34.73
22 41 39 00-0010		Residential Lavatory Faucets *(22 41 39)*		
22 41 39 00-0011	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	210.04	25.00
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0012	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	210.04	25.00
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0013	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	139.73	25.00
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0014	EA	Chrome, Two Handle, Lavatory Faucet, (Kohler K-15243-4RA-CP)	142.90	25.00
22 41 39 00-0015	EA	Chrome, Two Handle, Lavatory Faucet (Delta 2522LF-MPU)	180.84	25.00
22 41 39 00-0016	EA	Chrome, Single Handle, Lavatory Faucet (Kohler K-15198-4RA-CP)	157.75	25.00
22 41 39 00-0017		Residential Bath And Shower Faucets *(22 41 39)*		
22 41 39 00-0018	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	277.53	30.14
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0019	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	336.00	30.14
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0020	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	252.04	30.14
		For Faucet With Polished Nickel Or Brass Finish, Add	*14.00*	
		For Faucet With Lever Handles, Add	*17.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0021	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	283.52	30.14
		For Faucet With Polished Nickel Or Brass Finish, Add	*14.00*	
		For Faucet With Lever Handles, Add	*17.75*	
22 41 39 00-0022	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	330.03	18.84
22 41 39 00-0023	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	267.41	18.84
22 41 39 00-0024	EA	Pressure Balancing Shower Valve (Kohler K-304-K)	202.43	32.71
22 41 39 00-0025	EA	Pressure Balancing Shower Valve (Symmons BP-46-2-X)	224.99	32.71
22 41 39 00-0026	EA	Pressure Balancing Shower Valve (Moen 62370)	176.63	32.71
22 41 39 00-0027	EA	Shower And Tub Control Set, Single Control With Balancing Valve (Moen L2363)	222.35	32.71
22 41 39 00-0028	EA	Shower And Tub Control Set, 2 Knobs With Balancing Valve (Pfister LG07-3120)	163.83	32.71
22 41 39 00-0029	EA	Shower And Tub Control Set, 3 Knobs With Balancing Valve (Pfister LG01-3120)	199.45	32.71
22 41 39 00-0030	EA	Single Control Trim Kit (Symmons BP-46-2-LR-MRO-TRM)	80.35	32.71
22 41 39 00-0031	EA	Single Control Trim Kit (Symmons BP-46-2-STK-TRM)	74.26	32.71
22 41 39 00-0032	EA	Brass Shower Head (EZ Flo 15013 Or 15015)	28.80	7.54
22 41 39 00-0033	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	305.40	18.84

22 41 39 00-0034 Residential Laundry Faucets *(22 41 39)*

22 41 39 00-0035	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	176.58	22.15

22 41 39 00-0036 Residential Laundry/Wash Basin Faucets *(22 41 39)*

22 41 39 00-0037	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	178.34	22.15
22 41 39 00-0038	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	267.98	24.41

22 41 39 00-0039 Residential Washer Box *(22 41 39)*

22 41 39 00-0040	EA	Washer Box With Supply Lines And Valve	200.36	56.60

22 41 39 00-0041 Supply Lines and Shut-off Valves *(22 41 39)*

See CSI section 22 42 39 00-0155 for supply lines and shut-off valves.

22 41 39 00-0042	EA	16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	12.57	4.71
22 41 39 00-0043	EA	20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	15.64	4.71

22 41 39 00-0044 Other Residential Faucets *(22 41 39)*

22 41 39 00-0045	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	38.40	5.65

22 41 39 00-0046 Residential Fixture Components And/or Trim Replacement *(22 41 39)*

See CSI section 22 01 40 81-0001 for fixture trim accessories.

22 41 39 00-0047	EA	Elongated Toilet Seat, White (Kohler K-4712-T)	57.30	11.76
22 41 39 00-0048	EA	Removal And Replacement Of Vitreous China Toilet Tank And Lid	166.20	
22 41 39 00-0049	EA	Removal And Replacement Of Ball Cock Assembly	60.12	
22 41 39 00-0050	EA	Removal And Replacement Of Wax Ring Seal Note: Excludes removal of toilet	11.35	
22 41 39 00-0051	EA	Aerator, 2.2 GPM, Polished Chrome Vandal Resistant Spray, Non-Aerated (Kohler K-18034)	30.29	3.77
22 41 39 00-0052	EA	Aerator, Polished Chrome Vandal Resistant, 2.2 GPM (Kohler K-18033)	25.24	3.77
22 41 39 00-0053	EA	Aerator, NEOPERL 1.5 GPM, Chrome Plated	9.85	3.77
22 41 39 00-0054	EA	Aerator, NEOPERL 2.2 GPM, Chrome Plated	9.85	3.77

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	463.32	72.23
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	601.43	72.23
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	799.82	72.23
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	641.36	72.23
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	742.21	72.23
22 42 13 13-0008	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	438.95	72.23
22 42 13 13-0009	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	520.21	72.23

22 42 13 13-0010 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	505.50	88.90
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	719.57	88.90
22 42 13 13-0013	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	976.38	88.90
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	516.42	88.90
22 42 13 13-0015	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,299.47	88.90
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	601.78	88.90
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	569.47	88.90
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	694.81	88.90
22 42 13 13-0019		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	443.55	72.23
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	510.07	72.23
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	690.84	72.23
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	663.83	72.23
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	689.43	72.23
22 42 13 13-0025	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	906.24	72.23
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	664.08	72.23
22 42 13 13-0027	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	561.36	72.23
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	636.57	72.23
22 42 13 13-0029		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0030	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	493.32	72.23
22 42 13 13-0031	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	482.64	72.23
22 42 13 13-0032	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	557.38	72.23
22 42 13 13-0033		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0034	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	581.64	72.23
22 42 13 13-0035	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	558.46	72.23
22 42 13 13-0036		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0037	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,409.19	156.25
22 42 13 13-0038	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,161.12	156.25
22 42 13 13-0039		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0040		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0039)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0041	EA	Pipe Grip Adaptor Type, Water Closet Carrier	673.50	36.67
22 42 13 13-0042		**No-Hub, Water Closet Carriers** *(22 42 13 13-0039)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0043	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,112.17	36.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*277.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0044	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,112.17	36.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*277.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0045	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,226.25	36.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*277.72*	
		For Horizontal No Hub Cast Long Barrel, Add	*298.73*	
		For Carrier For Wide Chase Installations, Add	*372.38*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0046	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,372.47	36.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*226.43*	
		For Auxiliary Inlet, Add	*277.72*	
		For Carrier For Wide Chase Installations, Add	*372.38*	
		For Double 4" Branches, Add	*454.45*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0047	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,876.07	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*288.14*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0048	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,933.93	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*288.14*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0049	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,395.08	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*231.64*	
		For Auxiliary Inlet, Add	*288.14*	
		For Double 4" Branches, Add	*464.87*	
		For Carrier For Wide Chase Installations, Add	*776.02*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,244.04	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*303.94*	
		For Carrier For Wide Chase Installations, Add	*776.02*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0051 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0039)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0052	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,034.57	36.67
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*277.72*	
22 42 13 13-0053	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,112.17	36.67
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*277.72*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,427.10	36.67
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*226.43*	
		For Auxiliary Inlet, Add	*277.72*	
		For Carrier For Wide Chase Installations, Add	*372.38*	
		For Double 4" Branches, Add	*454.45*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0055	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,743.29	53.83
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*288.14*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0056	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,449.72	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*231.64*	
		For Auxiliary Inlet, Add	*288.14*	
		For Double 4" Branches, Add	*464.87*	
		For Carrier For Wide Chase Installations, Add	*776.02*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0057		**Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers** *(22 42 13 13-0039)*		
		Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0058	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	830.97	36.67
		For Positioning Frame, Add	*63.41*	
		For Supply Pipe Support, Add	*65.02*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
22 42 13 13-0059		**Institutional Water Closet Carriers** *(22 42 13 13-0039)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0060	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,195.30	53.83
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*132.01*	
		For Supply Pipe Support, Add	*135.24*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*288.14*	
22 42 13 13-0061		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0062	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	320.66	
22 42 13 13-0063	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	320.66	
22 42 13 13-0064	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	247.36	
22 42 13 13-0065	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	247.36	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	468.76	74.31
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	604.93	74.31
22 42 13 16-0005	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	645.88	74.31
22 42 13 16-0006	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	600.83	74.31
22 42 13 16-0007	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	439.70	74.31
22 42 13 16-0008	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	660.40	74.31
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	570.40	74.31
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	557.32	74.31
22 42 13 16-0011	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	487.42	74.31
22 42 13 16-0012	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	536.96	74.31
22 42 13 16-0013		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0014	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	987.60	93.75
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,099.02	93.75
22 42 13 16-0016	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	343.73	17.36
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	394.05	17.36
22 42 13 16-0018		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0019	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	612.88	52.09
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	774.55	52.09
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-68.51*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	728.27	52.09
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-63.23*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	568.04	52.09
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	568.04	52.09
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	799.67	52.09
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-71.37*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	999.95	52.09
		For >1, Deduct	*-94.20*	

22 42 13 16-0026 Stainless Steel Urinals *(22 42 13 16)*

22 42 13 16-0027	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,454.08	156.25
22 42 13 16-0028	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,143.80	190.98

22 42 13 16-0029 Urinal Carriers *(22 42 13 16)*

22 42 13 16-0030 Floor Mounted, Urinal Carriers *(22 42 13 16-0029)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 13 16-0031	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	565.26	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0032	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	667.05	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	

22 42 13 16-0033 Wall Mounted, Urinal Carriers *(22 42 13 16-0029)*

Note: Includes wall plate and adjustable supporting rods.

22 42 13 16-0034	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	225.17	26.39
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	

22 42 13 16-0035 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 16-0036	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	316.37	

22 42 16 Commercial Lavatories and Sinks *(22 42)*

22 42 16 13 Commercial Lavatories *(22 42 16)*

22 42 16 13-0001 Lavatories *(22 42 16 13)*

Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 13-0002 Wall Hung Lavatories *(22 42 16 13-0001)*

22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	455.47	46.53
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	482.28	46.53
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	632.42	46.53
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	406.59	46.53
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	331.70	46.53
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	455.03	46.53
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	560.32	46.53
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	419.21	46.53
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	353.78	46.53

22 42 16 13-0012 Countertop Lavatories *(22 42 16 13-0001)*

22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	403.08	56.25
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	415.35	56.25
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	449.31	56.25
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	485.73	56.25
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	675.44	60.76

22 42 16 13-0018 Undermount Lavatories *(22 42 16 13-0001)*

22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	360.05	56.25
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	334.14	56.25
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	334.14	56.25
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	365.52	56.25
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	349.58	56.25
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	344.81	56.25
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	349.67	56.25
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	456.95	56.25
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	456.95	56.25

22 42 16 13-0028 Pedestal Lavatories *(22 42 16 13-0001)*

22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	526.49	133.68

22 42 16 13-0030 Cultured Marble Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	327.21	52.09
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	382.38	55.56
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	486.42	59.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	720.59	62.50
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	362.74	52.09
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	392.38	55.56
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	545.52	59.04
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	605.90	60.76
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	695.59	62.50
22 42 16 13-0040		**Quartz Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	742.65	52.09
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	774.68	55.56
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	901.00	59.04
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	906.19	60.76
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	996.37	62.50
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,366.29	65.97
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,628.75	69.44
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	45.22	
22 42 16 13-0049		**Solid Surface Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	607.46	52.09
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	689.51	55.56
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	783.14	59.04
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	870.41	60.76
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	950.00	62.50
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,055.58	64.24
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,185.62	65.97
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,218.45	65.97
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,319.77	69.44
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	68.26	
22 42 16 13-0060		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,937.70	91.04
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,252.76	91.04
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	431.68	30.35
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	548.98	30.35
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,146.39	30.35
22 42 16 13-0066		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,355.77	121.54
22 42 16 13-0068		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0069		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0070		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	565.26	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*110.89*	
		For Corner Carrier, Add	*215.36*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	667.05	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*110.89*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	774.71	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*221.77*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	898.44	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*221.77*	
22 42 16 13-0075		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)*		
		Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	734.79	31.25
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*112.28*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,084.26	31.25
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*112.28*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,006.04	31.25
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*224.55*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,648.26	31.25
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*224.55*	
		For Heavy-Duty Carrier, Add	*234.59*	

22 42 16 13-0080 Wall Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0080)*

Note: Includes wall plate and adjustable supporting rods.

22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	225.17	26.39
		For Double Plate Carrier, Add	*79.56*	

22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0080)*

Note: Includes wall plate and leveling and securing screws.

22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	414.21	31.25
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	504.20	31.25
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	782.18	31.25
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	

22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	204.26	

22 42 16 16 Commercial Sinks *(22 42 16)*

22 42 16 16-0001 Sinks *(22 42 16 16)*

Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.

22 42 16 16-0002 Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	593.99	65.28
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	831.37	74.31
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	841.15	63.90
		For 18 Gauge, Add	*464.58*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	869.72	63.90
		For 18 Gauge, Add	*487.43*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	934.00	63.90
		For 18 Gauge, Add	*538.86*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	985.19	65.28
		For 18 Gauge, Add	*573.14*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,292.66	74.31
		For 18 Gauge, Add	*797.90*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,338.45	74.31
		For 18 Gauge, Add	*834.34*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,304.24	63.90
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,336.38	63.90
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,417.33	63.90
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,519.71	65.28
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,874.80	74.31
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,794.40	74.31

22 42 16 16-0017 Undermount Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,169.30	63.90
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,129.24	63.90
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,181.21	63.90
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,262.16	63.90

22 42 16 16-0022 Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)*

Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0023	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,841.14	112.85
22 42 16 16-0024	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,539.85	121.54
22 42 16 16-0025	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,946.74	130.22
22 42 16 16-0026	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,546.55	86.81
22 42 16 16-0027	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,836.07	95.49
22 42 16 16-0028	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,119.18	104.18
22 42 16 16-0029	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,461.25	117.20
22 42 16 16-0030	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,447.17	190.98
22 42 16 16-0031		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0032	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	505.30	74.31
22 42 16 16-0033	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	618.89	74.31
22 42 16 16-0034	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	503.35	74.31
22 42 16 16-0035	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	904.80	74.31
22 42 16 16-0036	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,376.76	83.33
22 42 16 16-0037		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0038	EA	Refinish Sink/Lavatory	174.96	
22 42 16 16-0039		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0040	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,130.92	111.81
22 42 16 16-0041	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,192.87	111.81
22 42 16 16-0042	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,343.62	147.92
22 42 16 16-0043	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	453.98	104.18
22 42 16 16-0044	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	552.88	104.18
22 42 16 16-0045	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	600.11	125.01
22 42 16 16-0046	EA	24" Bumper Guard (Fiat E-77AA-24)	47.49	3.47
22 42 16 16-0047	EA	36" Bumper Guard (Fiat E-77AA-36)	49.51	3.47
22 42 16 16-0048	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	528.25	104.18
22 42 16 16-0049	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	592.05	125.01
22 42 16 16-0050	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	906.71	104.18
22 42 16 16-0051	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,124.27	125.01
22 42 16 16-0052		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0053	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,406.07	173.62
22 42 16 16-0054		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0055	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,058.86	63.90
22 42 16 16-0056	SF	Soapstone Sink Backsplash	186.80	
22 42 16 16-0057	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,377.08	74.31
22 42 16 16-0058	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,649.61	74.31
22 42 16 16-0059		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0060		**Floor Mounted, Sink Carriers** *(22 42 16 16-0059)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0061	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	854.30	26.39
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*110.89*	
22 42 16 16-0062	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,470.46	26.39
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*263.56*	
22 42 16 16-0063	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,862.55	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0064		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0065	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	280.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		Recessed Alcove Bathtubs *(22 42 19)*		
22 42 19 00-0002		Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,163.58	193.06
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,500.06	193.06
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,531.96	193.06
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,488.80	193.06
22 42 19 00-0007		Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	571.10	193.06
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	732.55	193.06
22 42 19 00-0010		Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,142.82	193.06
22 42 19 00-0012		Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,169.43	193.06
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,447.92	193.06
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,474.44	193.06
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,454.37	193.06
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,487.70	193.06
22 42 19 00-0018		Bathtub Refinishing *(22 42 19)*		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	494.51	
22 42 19 00-0020		Tub And Shower Combinations *(22 42 19)*		
22 42 19 00-0021		Acrylic Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	702.78	65.55
		For 2 Piece Enclosure, Deduct	*-153.71*	
22 42 19 00-0023		Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	899.97	65.55
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	883.70	65.55
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,291.75	98.93
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,279.10	227.43
		For 2 Piece Enclosure, Deduct	*-473.05*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,542.12	112.01
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,688.57	112.01
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,625.88	112.01
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,904.14	112.01
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,609.77	112.01
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,874.85	112.01
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,192.93	112.01
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,705.52	112.01
22 42 23 00-0012		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0013	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3232CS)	877.64	65.55
22 42 23 00-0014	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3636CS)	910.97	65.55
22 42 23 00-0015	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 13232P-WH)	830.14	65.55
22 42 23 00-0016	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1363CTC-WH)	862.16	65.55
22 42 23 00-0017	EA	42" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1423C-WH)	892.16	65.55
22 42 23 00-0018	EA	60" x 35" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1603CTGN-WH)	969.93	65.55
22 42 23 00-0019		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0020		Acrylic Shower Receptors *(22 42 23 00-0019)*		
22 42 23 00-0021	EA	36" x 36" Acrylic Shower Receptor	582.84	28.26
22 42 23 00-0022	EA	42" x 42" Acrylic Shower Receptor	623.59	28.26
22 42 23 00-0023	EA	48" x 48" Acrylic Shower Receptor	704.97	28.26
22 42 23 00-0024	EA	60" x 60" Acrylic Shower Receptor	859.47	33.90
22 42 23 00-0025	EA	48" x 32" Acrylic Shower Receptor	584.76	28.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0026	EA	48" x 36" Acrylic Shower Receptor	638.35	28.26
22 42 23 00-0027	EA	48" x 42" Acrylic Shower Receptor	738.06	28.26
22 42 23 00-0028	EA	60" x 30" Acrylic Shower Receptor	898.34	61.70
22 42 23 00-0029	EA	60" x 32" Acrylic Shower Receptor	808.75	33.90
22 42 23 00-0030	EA	60" x 36" Acrylic Shower Receptor	815.65	33.90
22 42 23 00-0031	EA	60" x 42" Acrylic Shower Receptor	821.98	33.90
22 42 23 00-0032	EA	60" x 48" Acrylic Shower Receptor	921.05	33.90
22 42 23 00-0033	EA	36" x 36" Acrylic Corner Shower Receptor	909.50	28.26
22 42 23 00-0034	EA	42" x 42" Acrylic Corner Shower Receptor	1,063.31	28.26
22 42 23 00-0035	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,457.80	58.62
22 42 23 00-0036		Molded Stone Shower Receptors *(22 42 23 00-0019)*		
22 42 23 00-0037	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	257.27	28.26
22 42 23 00-0038	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	272.17	28.26
22 42 23 00-0039	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	273.83	28.26
22 42 23 00-0040	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	347.50	28.26
22 42 23 00-0041	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	302.80	28.26
22 42 23 00-0042	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	323.50	28.26
22 42 23 00-0043	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	325.98	28.26
22 42 23 00-0044	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	375.44	33.90
22 42 23 00-0045	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	391.17	33.90
22 42 23 00-0046	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	306.94	28.26
22 42 23 00-0047	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	316.05	28.26
22 42 23 00-0048		Precast Terrazzo Shower Receptors *(22 42 23 00-0019)*		
22 42 23 00-0049	EA	30" x 30" Precast Terrazzo Shower Receptor	527.14	28.26
22 42 23 00-0050	EA	32" x 32" Precast Terrazzo Shower Receptor	549.49	28.26
22 42 23 00-0051	EA	34" x 34" Precast Terrazzo Shower Receptor	570.19	28.26
22 42 23 00-0052	EA	36" x 36" Precast Terrazzo Shower Receptor	572.67	28.26
22 42 23 00-0053	EA	40" x 40" Precast Terrazzo Shower Receptor	631.45	28.26
22 42 23 00-0054	EA	42" x 42" Precast Terrazzo Shower Receptor	661.25	28.26
22 42 23 00-0055	EA	48" x 48" Precast Terrazzo Shower Receptor	949.33	28.26
22 42 23 00-0056	EA	36" x 32" Precast Terrazzo Shower Receptor	565.22	28.26
22 42 23 00-0057	EA	42" x 32" Precast Terrazzo Shower Receptor	577.09	28.26
22 42 23 00-0058	EA	42" x 34" Precast Terrazzo Shower Receptor	598.33	28.26
22 42 23 00-0059	EA	42" x 36" Precast Terrazzo Shower Receptor	624.82	28.26
22 42 23 00-0060	EA	32" x 48" Precast Terrazzo Shower Receptor	627.31	28.26
22 42 23 00-0061	EA	48" x 34" Precast Terrazzo Shower Receptor	661.25	28.26
22 42 23 00-0062	EA	54" x 32" Precast Terrazzo Shower Receptor	695.19	28.26
22 42 23 00-0063	EA	60" x 30" Precast Terrazzo Shower Receptor	947.16	33.90
22 42 23 00-0064	EA	60" x 32" Precast Terrazzo Shower Receptor	1,041.09	33.90
22 42 23 00-0065	EA	60" x 34" Precast Terrazzo Shower Receptor	1,045.70	33.90
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor	1,050.28	33.90
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	575.98	28.26
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	577.09	28.26
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	579.29	28.26
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	704.29	28.26
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,321.02	28.26
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,466.51	33.90
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,531.08	33.90
22 42 23 00-0074		Shower Receptors Accessories *(22 42 23 00-0019)*		
22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	2.94	
22 42 23 00-0076		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head	33.90	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001		Circular Wash Fountain, Deep Bowl *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	10,117.45	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,390.78	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	9,611.43	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,949.01	121.38
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	6,224.41	121.38
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	11,536.82	121.38
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,833.97	91.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,942.25	91.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	7,252.17	91.04
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,860.78	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,975.96	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	8,634.12	106.22
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	239.52	34.73
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	278.71	34.73
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	275.68	34.73
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	309.68	34.73
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	218.82	34.73
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	246.42	34.73
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	339.45	34.73
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	222.71	34.73
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	212.26	34.73
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	263.34	34.73
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	499.94	34.73
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	554.80	34.73
22 42 39 00-0014	EA	Top Cast Kitchen Faucet, Two Handle (Zurn Z-871CA)	465.59	34.73
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	513.21	37.67
22 42 39 00-0016	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	510.54	37.67
22 42 39 00-0017	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	362.94	37.67
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	937.74	34.73
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	1,203.93	34.73
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,292.66	34.73
22 42 39 00-0021	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	937.74	34.73
22 42 39 00-0022	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	1,203.93	34.73
22 42 39 00-0023	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,292.66	34.73

22 42 39 00-0024 Lavatory Faucets *(22 42 39)*

22 42 39 00-0025	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	331.00	25.00
22 42 39 00-0026	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	217.68	25.00
22 42 39 00-0027	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	279.67	25.00
22 42 39 00-0028	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	310.58	25.00
22 42 39 00-0029	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	390.43	25.00
22 42 39 00-0030	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	468.29	25.00
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	266.33	25.00
22 42 39 00-0032	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	425.96	25.00
22 42 39 00-0033	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	295.99	25.00
22 42 39 00-0034	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	303.76	25.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0035	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	374.98	25.00
22 42 39 00-0036	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	366.56	25.00
22 42 39 00-0037	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	292.27	25.00
22 42 39 00-0038		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0039		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0038)*		
22 42 39 00-0040	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	286.52	30.14
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	344.99	30.14
22 42 39 00-0042	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	382.48	30.14
22 42 39 00-0043	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	261.04	30.14
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	276.03	30.14
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	319.51	30.14
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	368.98	30.14
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0047		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0017 for residential shower valves and heads.		
22 42 39 00-0048	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	427.77	46.88
22 42 39 00-0049	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	1,113.99	46.88
22 42 39 00-0050	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	735.97	46.88
22 42 39 00-0051	EA	Senior Institutional Shower Head (Symmons® 4-150)	277.15	30.14
22 42 39 00-0052	EA	Universal Institutional Shower Head (Symmons® 4-151)	500.39	30.14
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	335.92	30.14
22 42 39 00-0054	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	239.67	30.14
22 42 39 00-0055	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	1,130.55	45.14
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	892.20	52.09
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,217.99	52.09
22 42 39 00-0058	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,756.41	55.56
22 42 39 00-0059	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,593.18	46.88
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,918.53	46.88
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,265.22	46.88
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,975.72	46.88
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	2,128.87	46.88
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0064	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	4,036.48	46.88
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0065	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	3,509.71	46.88
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0066	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,697.52	46.88
22 42 39 00-0067	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,674.76	46.88
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0068	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,695.06	46.88

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22 42 39 00-0069	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,689.66	46.88
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,255.30	41.67
22 42 39 00-0071	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	980.76	30.14
22 42 39 00-0072		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0073	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	630.15	57.81
22 42 39 00-0074	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	421.15	57.81
22 42 39 00-0075	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	461.63	57.81
22 42 39 00-0076	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	482.62	57.81
22 42 39 00-0077	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	620.80	81.05
22 42 39 00-0078	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	692.12	92.37
22 42 39 00-0079	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	824.06	92.37
22 42 39 00-0080	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	478.20	57.81
22 42 39 00-0081	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	1,023.16	92.37
22 42 39 00-0082	EA	Wall Mounted Mixing Faucet With Integral Stop, Vacuum Breaker, And Wall Brass (Fiat 830-AA)	416.65	57.81
22 42 39 00-0083	EA	30" Long, 5/8" Rubber Hose And Stainless Steel Hose Bracket (Fiat 832-AA)	68.34	5.21
22 42 39 00-0084	EA	Stainless Steel Mop Hanger (Fiat 889-CC)	161.82	6.95
22 42 39 00-0085	EA	1/2" Diameter, Thermostatic Mixing Valve (Watts 1170-US/UT)	401.14	92.37
22 42 39 00-0086		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0087	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	253.90	24.58
22 42 39 00-0088	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	425.28	34.73
22 42 39 00-0089	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	569.55	34.73
22 42 39 00-0090	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	330.50	32.44
22 42 39 00-0091	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	445.09	46.25
22 42 39 00-0092	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	633.20	46.25
22 42 39 00-0093	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	510.67	34.73
22 42 39 00-0094	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	479.28	46.25
22 42 39 00-0095	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	320.45	26.67
22 42 39 00-0096	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	451.17	37.67
22 42 39 00-0097	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	331.95	37.67
22 42 39 00-0098	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	420.43	37.67
22 42 39 00-0099	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	85.71	23.19
22 42 39 00-0100	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	718.68	41.67
22 42 39 00-0101	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	945.95	41.67
22 42 39 00-0102	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	1,153.00	41.67
22 42 39 00-0103	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	1,010.82	41.67
22 42 39 00-0104	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	1,218.14	41.67
22 42 39 00-0105	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	145.77	22.92
22 42 39 00-0106	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	209.35	27.50
22 42 39 00-0107	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	209.35	27.50
22 42 39 00-0108	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	272.93	32.08
22 42 39 00-0109	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	336.51	36.67
22 42 39 00-0110		**Laboratory Countertop Faucets** *(22 42 39)*		
		Note: Includes final connection. Excludes rough-in.		
22 42 39 00-0111	EA	6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391)	301.57	18.84
22 42 39 00-0112	EA	6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406)	431.90	18.84
22 42 39 00-0113	EA	Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512)	437.11	18.84
22 42 39 00-0114	EA	Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535)	129.34	11.30
22 42 39 00-0115		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0116	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	903.47	26.04
22 42 39 00-0117	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	984.91	24.31
22 42 39 00-0118	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,278.90	26.04
22 42 39 00-0119	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,352.80	26.04
22 42 39 00-0120	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,663.31	17.36
22 42 39 00-0121	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,973.38	43.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0122	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,779.61	43.40
22 42 39 00-0123	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,873.67	43.40
22 42 39 00-0124	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	337.34	26.38
22 42 39 00-0125	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	376.57	26.38
22 42 39 00-0126	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	410.83	26.38
22 42 39 00-0127	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	2,009.40	17.36
22 42 39 00-0128		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0129	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	481.79	24.58
22 42 39 00-0130	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	410.31	32.44
22 42 39 00-0131	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	474.62	24.58
22 42 39 00-0132	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	256.97	35.18
22 42 39 00-0133	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	567.68	26.67
22 42 39 00-0134	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	575.93	26.67
22 42 39 00-0135	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	471.73	26.67
22 42 39 00-0136		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0137	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	857.44	57.92
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0138	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	866.43	57.92
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0139	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,188.09	62.84
22 42 39 00-0140	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,252.10	57.92
22 42 39 00-0141	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,900.44	62.84
22 42 39 00-0142	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	2,407.34	62.84
22 42 39 00-0143	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	2,241.13	62.84
22 42 39 00-0144	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,539.43	57.92
22 42 39 00-0145	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,043.62	57.92
22 42 39 00-0146	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,106.03	57.92
22 42 39 00-0147	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	950.02	57.92
22 42 39 00-0148	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,106.03	57.92
22 42 39 00-0149	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	958.71	57.92
22 42 39 00-0150	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	958.71	57.92
22 42 39 00-0151	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,087.01	57.92
22 42 39 00-0152	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	912.75	57.92
22 42 39 00-0153	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	873.39	57.92
22 42 39 00-0154	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,863.45	57.92
22 42 39 00-0155		**Supply Lines and Shut-off Valves** *(22 42 39)*		
22 42 39 00-0156	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	43.96	7.29
22 42 39 00-0157	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	43.96	7.29
22 42 39 00-0158	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	34.80	7.29
22 42 39 00-0159	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	30.75	8.01
22 42 39 00-0160	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	17.28	4.71
22 42 39 00-0161	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	17.71	4.71
22 42 39 00-0162		**Other Trim** *(22 42 39)*		
22 42 39 00-0163	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	18.68	3.77
22 42 39 00-0164	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	129.95	11.30
22 42 39 00-0165	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	52.20	9.42
22 42 39 00-0166	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	144.93	9.42
22 42 39 00-0167	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	66.17	10.42
22 42 39 00-0168	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	88.51	10.42
22 42 39 00-0169	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	337.77	10.42
22 42 39 00-0170	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	400.96	10.42
22 42 39 00-0171	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	304.37	10.42
22 42 39 00-0172		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0173	EA	Removal And Reinstallation Of Faucet	60.28	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	234.17	23.68
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	226.07	23.68
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	221.97	23.68
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	362.07	23.68
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	459.88	23.68
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	819.63	23.68
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	709.51	23.68
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	750.77	23.68
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	678.32	23.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	305.52	23.68
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	658.61	23.68
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	261.85	23.68
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	434.19	23.68
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	329.24	20.83
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	409.92	20.83
22 42 43 00-0017	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan Royal Optima 110 Smooth)	559.29	23.68
22 42 43 00-0018	EA	Automatic Water Closet And Urinal Cleaning System	317.03	34.73
22 42 43 00-0019	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	681.60	23.68
22 42 43 00-0020	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	750.90	23.68
22 42 43 00-0021	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	981.11	23.68
22 42 43 00-0022	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	981.11	23.68
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	691.87	23.68
22 42 43 00-0024	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	665.79	23.68
22 42 43 00-0025	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	243.47	23.68
22 42 43 00-0026	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	545.55	23.68
22 42 43 00-0027	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	368.58	20.83
22 42 43 00-0028	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	102.14	2.22
22 42 43 00-0029	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	729.08	23.68

22 42 43 00-0030 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0031	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	172.01	23.68
22 42 43 00-0032	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	464.39	23.68
22 42 43 00-0033	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	309.92	23.68
22 42 43 00-0034	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	492.24	23.68
22 42 43 00-0035	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	665.60	23.68
22 42 43 00-0036	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	904.21	23.68
22 42 43 00-0037	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,017.92	23.68
22 42 43 00-0038	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	638.47	23.68
22 42 43 00-0039	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	785.55	23.68
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt 8180) Note: 1.0, 1.5 or 3.5 GPF.	638.47	23.68
22 42 43 00-0041	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV) Note: 0.5, 1.0 or 1.5 GPF.	238.98	23.68
22 42 43 00-0042	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	663.57	23.68
22 42 43 00-0043	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	224.48	23.68
22 42 43 00-0044	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	555.56	23.68
22 42 43 00-0045	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	691.87	23.68

22 42 43 00-0046 Removal And Reinstallation Of Fixtures And Trim *(22 42 43)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0047	EA	Removal And Reinstallation Of Flush Valve	94.19	

22 42 43 00-0048 Plumbing Control Transformers *(22 42 43)*

22 42 43 00-0049	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	58.10	

22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001 Standard Chemical Toilets *(22 42 46)*

22 42 46 00-0002 Small Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	2,959.46	694.48
		For Extra Urinal, Add	*101.49*	

22 42 46 00-0004 Medium Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	3,512.78	827.12
		For Extra Urinal, Add	*119.78*	

22 42 46 00-0006 Large Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	4,403.39	938.25
		For Extra Urinal, Add	*177.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 43 Healthcare Plumbing Fixtures (22 40)

22 43 13 Healthcare Water Closets (22 43)

22 43 13 00-0001 Healthcare Water Closets (22 43 13)

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	669.34	72.23
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	503.98	72.23

22 43 16 Healthcare Sinks (22 43)

22 43 16 00-0001 Healthcare Sinks (22 43 16)

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,227.51	46.53
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,274.73	133.68
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
		For Pedestal Base, Add	*579.06*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,171.91	46.53
		For Painted Bracket Supports, Add	*190.09*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,005.10	46.53

22 43 39 Healthcare Faucets (22 43)

22 43 39 00-0001 Medical Faucet Spouts (22 43 39)

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	101.36	10.42

22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	610.51	50.98
		For Hard Wired AC Powered, Add	*28.76*	

22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	433.70	92.64
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	537.15	92.64
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,334.54	92.64
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	672.18	92.64

22 43 39 00-0010 Centerset Medical Faucets (22 43 39)

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	727.66	50.98
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	737.03	50.98
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	736.08	50.98
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	647.07	50.98
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	615.21	50.98

22 43 39 00-0016 Bedpan Washers (22 43 39)

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,780.15	92.64
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,682.04	92.64
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,652.98	92.64
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,624.72	92.64

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	227.62	23.68
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	552.09	23.68

22 43 46 Healthcare Patient Care Units (22 43)

22 43 46 00-0001 Patient Care Units (22 43 46)

22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,550.94	138.89
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,112.75*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,157.02	121.54
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,112.75*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,970.17	18.84
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,173.31	18.84

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	603.14	121.54
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	714.89	121.54
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	776.97	121.54
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	963.21	121.54
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,348.12	121.54
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,010.35	138.89
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,100.95	156.25
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	983.00	156.25
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,007.83	156.25
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,473.44	156.25

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	502.14	121.54
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	521.49	121.54
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	880.85	138.89

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	815.04	121.54
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	840.06	121.54
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,064.98	121.54
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,364.20	156.25
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,930.14	156.25

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	329.77	3.47
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,374.11	156.25

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	970.74	34.73
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	970.74	34.73
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	989.69	34.73
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	989.69	34.73
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,337.62	34.73
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,533.62	34.73
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,533.62	34.73
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,900.64	34.73
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,900.64	34.73
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	3,038.55	34.73
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	3,038.55	34.73
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,764.29	34.73
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,764.29	34.73
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,673.15	121.54
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,646.40	121.54
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,119.14	121.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,675.17	121.54
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	920.63	121.54

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	329.70	10.42
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,793.80	10.42
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	713.73	86.81
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	671.43	121.54
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	652.81	121.54
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	726.06	121.54
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	733.51	121.54
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	821.67	121.54
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,174.29	121.54
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,353.83	121.54
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	836.52	138.89
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	979.31	138.89
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,419.59	138.89
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	646.81	34.73
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	621.97	34.73
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	653.01	34.73
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	833.05	34.73
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,911.69	173.62
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,407.18	138.89
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,433.17	173.62
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,941.08	138.89

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	582.76	121.54
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	726.05	138.89

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,468.08	121.54
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,024.11	121.54
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,953.42	121.54
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,784.74	121.54
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,025.92	34.73
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,025.92	34.73
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	993.02	34.73
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	993.02	34.73
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,558.35	34.73
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,558.35	34.73

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0001		Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*		
22 45 29 00-0002		Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*		
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	682.79	43.40
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	794.54	43.40
22 45 29 00-0005		Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*		
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	749.92	43.40
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	683.89	43.40
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,072.43	43.40
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	998.94	43.40
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,025.25	43.40
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,371.73	43.40
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,602.17	43.40
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,524.03	43.40
22 45 33		**Combination Emergency Fixture Units** *(22 45)*		
22 45 33 00-0001		Emergency Shower With Eye/Face Wash *(22 45 33)*		
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*		
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,083.16	225.70
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,667.71	225.70
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,767.53	225.70
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,990.53	225.70
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,115.19	225.70
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,972.40	225.70
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,643.37	225.70
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,878.79	225.70
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,182.99	225.70
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,251.27	225.70
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,667.22	225.70
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	3,909.34	225.70
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,841.05	225.70
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	5,889.73	225.70
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,224.97	225.70
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,488.47	225.70
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,643.37	225.70
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,897.90	225.70
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,497.24	225.70
22 45 33 00-0023		Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*		
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,262.75	188.38
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,430.32	188.38
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,707.66	188.38
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,446.95	188.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,263.69	188.38

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	726.25	43.40
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,092.53	43.40
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,632.63	43.40
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,936.83	43.40
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,768.72	43.40
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,923.92	43.40
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	4,953.98	43.40
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	5,965.90	43.40
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	819.37	43.40

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	182.98	13.89
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	263.69	13.89
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	276.10	13.89
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	320.83	5.21
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	329.77	3.47
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	355.34	6.95
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	569.79	52.09
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	610.24	13.34
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	933.07	13.34
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,092.53	52.09
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,143.65	13.34
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,261.76	44.46
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,311.43	44.46
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,434.61	44.46
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,594.05	44.46

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,095.13	52.09

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	199.06	11.30

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,233.98	173.62
		For Angled Toilet, Add	*17.36*	
		For Offset Toilet, Add	*206.04*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,719.98	173.62
		For Angled Toilet, Add	*17.36*	
		For Offset Toilet, Add	*254.64*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	2,762.56	173.62
		For Angled Toilet, Add	*17.36*	
		For Offset Toilet, Add	*258.89*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	244.10	34.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,666.17	156.25
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,544.95	222.02

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,098.34	215.29
		For Angled Toilet, Add	*21.53*	
		For Offset Toilet, Add	*388.31*	
		For 15" Mirror/Shelf Module, Add	*765.29*	
		For AC Duplex Outlet Option, Add	*73.06*	
		For Intercom Option, Add	*118.06*	
		For 15" Wide Light/Ventilation Module, Add	*764.17*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,220.48	225.70
		For Angled Toilet, Add	*22.57*	
		For Offset Toilet, Add	*399.48*	
		For 18" Mirror/Shelf Module, Add	*800.71*	
		For AC Duplex Outlet Option, Add	*75.14*	
		For Intercom Option, Add	*120.14*	
		For 18" Wide Light/Ventilation Module, Add	*785.42*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,311.80	236.12
		For Angled Toilet, Add	*23.61*	
		For Offset Toilet, Add	*407.57*	
		For 20" Mirror/Shelf Module, Add	*846.13*	
		For AC Duplex Outlet Option, Add	*77.23*	
		For Intercom Option, Add	*122.23*	
		For 20" Wide Light/Ventilation Module, Add	*816.68*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,617.47	246.54
		For Angled Toilet, Add	*24.65*	
		For Offset Toilet, Add	*437.09*	
		For 26" Mirror/Shelf Module, Add	*881.54*	
		For AC Duplex Outlet Option, Add	*79.31*	
		For Intercom Option, Add	*124.31*	
		For 26" Wide Light/Ventilation Module, Add	*842.92*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,511.72	256.96
		For Angled Toilet, Add	*25.70*	
		For Offset Toilet, Add	*725.48*	
		For 28" Mirror/Shelf Module, Add	*911.96*	
		For AC Duplex Outlet Option, Add	*81.39*	
		For Intercom Option, Add	*126.39*	
		For 28" Wide Light/Ventilation Module, Add	*869.17*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,611.90	121.54
		For Shelf, Add	*71.46*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,640.09	121.54
		For Shelf, Add	*71.46*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	1,878.14	121.54
		For Shelf, Add	*71.46*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,640.09	121.54
		For Shelf, Add	*71.46*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,505.65	185.08

22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,196.46	104.18

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Security Showers *(22 46 19)*

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,246.18	277.79
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	9,586.82	277.79
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	9,937.40	277.79
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	12,682.39	277.79
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	557.76	92.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	415.16	48.61

22 46 43 Security Plumbing Fixture Flushometers *(22 46)*

22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	768.09	23.68
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	767.15	23.68
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	739.64	23.68

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	1,821.13	138.89
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	1,834.73	138.89

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,359.01	112.85
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,534.06	121.54
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,191.17	112.85
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	3,833.76	121.54
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,495.42	112.85
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,819.01	121.54
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,725.64	112.85
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,130.19	121.54

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,527.23	121.54
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,491.55	121.54
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,153.11	156.25
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	4,092.01	156.25
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,476.50	156.25
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	3,137.30	156.25
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,641.53	121.54
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,509.64	121.54
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	3,348.43	121.54
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	3,201.88	121.54
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,894.13	121.54
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,762.24	121.54
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,615.69	121.54
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,615.69	121.54
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,483.80	121.54
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,483.80	121.54
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,425.18	121.54
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,425.18	121.54
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,293.28	121.54
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,220.01	121.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	2,117.43	121.54
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	2,073.46	121.54
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,926.91	121.54
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,220.01	121.54
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,926.91	121.54
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	2,056.08	121.54
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	2,058.81	121.54
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,725.57	86.81
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,256.61	86.81
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,127.28	130.22
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	4,905.89	130.22
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,276.27	138.89
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,407.98	138.89
22 47 13 00-0047		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	878.30	86.81
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	838.17	86.81
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,058.09	86.81
22 47 13 00-0051		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	711.36	86.81
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	897.78	86.81
22 47 13 00-0054		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,592.57	138.89
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	5,857.41	138.89
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,366.07	138.89
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,632.66	138.89
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,656.78	138.89
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	3,925.81	177.18
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,543.14	138.89
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,441.69	138.89
22 47 13 00-0063		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0064		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,946.94	138.89
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,164.91	138.89
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,070.27	138.89
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,185.90	138.89
22 47 13 00-0069		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0070	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,003.11	130.22
22 47 13 00-0071	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,742.53	130.22
22 47 13 00-0072	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	3,997.33	130.22
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,631.43	130.22
22 47 13 00-0074	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,073.94	138.89
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,190.09	138.89
22 47 13 00-0076	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,121.73	130.22
22 47 13 00-0077	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	3,876.92	130.22
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,616.34	130.22
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,643.23	138.89
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,450.97	138.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0081		**Wall Mounted Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0082	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105)	2,084.59	130.22
22 47 13 00-0083	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L)	2,530.28	130.22
22 47 13 00-0084	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109)	2,334.37	130.22
22 47 13 00-0085	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075)	2,525.60	130.22
22 47 13 00-0086	EA	Vitreous China Single Drinking Fountain (Haws 1201)	2,030.83	130.22
22 47 13 00-0087		**Multi-Station Outdoor Drinking Fountains** *(22 47 13 00-0063)*		
22 47 13 00-0088	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119)	3,738.61	138.89
22 47 13 00-0089	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L)	4,700.72	138.89
22 47 13 00-0090	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085)	5,558.32	138.89
22 47 13 00-0091	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408)	4,462.55	138.89
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		**Indoor Water Coolers** *(22 47 16)*		
22 47 16 00-0002		**Face Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,615.58	138.89
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	4,949.70	138.89
22 47 16 00-0005		**Wall Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,027.25	138.89
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,113.29	138.89
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,382.87	138.89
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,486.12	138.89
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,757.66	138.89
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,087.47	138.89
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,572.67	138.89
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,529.61	138.89
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,693.84	208.34
22 47 16 00-0015		**Simulated Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,480.13	138.89
22 47 16 00-0017		**Fully Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,083.34	156.25
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,290.26	156.25
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,425.14	156.25
22 47 16 00-0021		**Free Standing Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,982.49	121.54
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,150.26	121.54
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,478.65	121.54
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,789.82	121.54
22 47 16 00-0026		**Bottled Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	622.59	69.45
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	776.69	69.45
22 47 16 00-0029		**Multi-Station Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,036.84	208.34
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,002.93	208.34
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,962.00	208.34
22 47 16 00-0033		**Outdoor Water Coolers** *(22 47 16)*		
22 47 16 00-0034		**Wall Mounted Outdoor Water Coolers** *(22 47 16 00-0033)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,236.31	86.81
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	3,993.75	86.81
22 47 16 00-0037		Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,720.62	130.22
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,523.65	130.22
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	340.02	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	75.35	

22 47 19 Water-Station Water Coolers *(22 47)*

22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,760.71	138.89
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,051.39	138.89
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,105.43	156.25
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	9,869.35	156.25
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,633.27	156.25
		For Stainless Steel Carrier, Add	*205.00*	

22 47 23 Remote Water Coolers *(22 47)*

22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,295.43	46.88
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,014.23	52.09
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,693.17	60.76
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,199.52	69.45
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,456.32	104.18
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,747.52	112.85

22 47 26 Fixture Carriers *(22 47)*

22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	565.26	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*358.40*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	667.05	26.39
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*358.40*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	276.68	15.62
22 51 13 00-0003		Pool Drains *(22 51 13)*		
22 51 13 00-0004		Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)* Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,442.25	43.75
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	
22 51 13 00-0006		Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)* Note: Bottom outlet 14" square top and loose set square flange.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	644.61	43.75
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	

22 51 13 00-0008 Pool Supply Fittings *(22 51 13)*

22 51 13 00-0009 Cast Iron Pool Supply Fittings *(22 51 13 00-0008)*

Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.

22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Diameter Pipe	850.76	78.13
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Diameter Pipe	850.76	78.13
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	

22 51 16 Swimming Pool Pumps *(22 51)*

22 51 16 00-0001 Variable Speed Pool Pumps *(22 51 16)*

22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,565.25	295.16
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	2,845.52	295.16
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,221.70	295.16

22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)*

Note: Includes 75' of 3 wire electric safety cord.

22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	295.37	34.73
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	568.21	34.73

22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*

22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,382.07	34.73

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001 Condensing Pool Water Heater *(22 51 19)*

22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	41,628.36	497.31
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	45,236.00	596.78
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	49,622.76	646.51
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	61,165.52	696.24
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	63,394.95	745.97
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	96,590.00	895.17
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	124,199.00	944.90
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	129,131.05	1,019.50

22 51 19 00-0010 Non-Condensing Pool Water Heater *(22 51 19)*

22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	21,620.93	646.51
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,027.57	696.24
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	25,113.18	745.97
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	33,376.84	895.17
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	38,870.69	944.90
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	41,473.16	1,019.50
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	40,968.29	1,069.22
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	53,711.70	1,094.09

22 51 19 00-0019 Swimming Pool Heaters *(22 51 19)*

Note: Excludes wiring, external piping, base or pad. Commercial pools.

22 51 19 00-0020 Electric Pool Heaters *(22 51 19 00-0019)*

22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,216.06	138.89
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,725.58	149.32
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,232.45	173.62
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,486.51	208.34
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	5,902.62	291.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	6,589.79	416.68
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	5,274.12	631.45
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	5,979.14	721.66
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	6,765.51	811.87
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	7,633.39	992.28
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	7,799.47	1,048.51
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	9,063.85	1,305.07
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	15,644.23	1,505.86
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	18,367.77	1,656.44
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	20,866.95	1,807.04
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	27,220.77	2,133.30
22 51 19 00-0038		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	19,887.60	516.35
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,475.74	516.35
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	26,994.36	670.73
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	35,086.23	1,082.51
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	10,672.58	1,979.90
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	12,688.88	2,375.88
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	1,798.63	235.47
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	2,679.80	313.98
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	211.35	69.45
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	432.76	104.18
22 51 19 00-0052		**Swimming Pool Chlorinators** *(22 51 19)*		
22 51 19 00-0053	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	917.73	99.31
22 51 19 00-0054		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0055		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,358.03	216.46
22 51 19 00-0057	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,309.13	216.46
22 51 19 00-0058	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,124.38	216.46
22 51 19 00-0059	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,691.06	229.47
22 51 19 00-0060	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,095.06	229.47
22 51 19 00-0061	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,763.57	229.47
22 51 19 00-0062	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,708.63	412.15
22 51 19 00-0063	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,835.09	412.15
22 51 19 00-0064	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,778.68	412.15
22 51 19 00-0065	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,886.33	494.44
22 51 19 00-0066	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,399.07	494.44
22 51 19 00-0067	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,851.39	494.44
22 51 19 00-0068	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	55,502.53	494.44
22 51 19 00-0069	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,580.93	562.01
22 51 19 00-0070	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	64,220.44	562.01
22 51 19 00-0071	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	68,859.93	562.01
22 51 19 00-0072	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	74,493.60	562.01
22 51 19 00-0073		**HDPE Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta EL Series		
22 51 19 00-0074	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,023.54	216.46
22 51 19 00-0075	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,951.41	216.46
22 51 19 00-0076	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,898.94	229.47
22 51 19 00-0077		**In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta EM Series		
22 51 19 00-0078	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,883.79	216.46
22 51 19 00-0079	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,215.15	216.46
22 51 19 00-0080	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,181.56	412.15
22 51 19 00-0081	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,420.76	412.15
22 51 19 00-0082	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	60,672.25	494.44
22 51 19 00-0083	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	68,462.26	562.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0084	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	80,643.29	727.28
22 51 19 00-0085	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	90,585.04	727.28

22 51 23 Swimming Pool Equipment Controls *(22 51)*

22 51 23 00-0001 Pool Pump Variable Frequency Drive *(22 51 23)*

Note: Pentair Acu Drive XS

22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,689.89	85.36
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,021.16	96.03
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	5,997.44	120.04
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,326.61	143.24
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	6,727.29	166.71
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,619.54	190.45
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,696.16	85.36
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	4,931.29	96.03
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,261.80	120.04
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,611.86	143.24
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,624.89	166.71
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,341.58	190.45
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,140.28	85.36
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,067.17	96.03
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	7,811.48	120.04
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,376.80	143.24
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	9,868.41	166.71
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,118.03	190.45
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,614.69	85.36
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	6,854.42	96.03
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,178.24	120.04
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,530.39	143.24
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	8,583.12	166.71
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,364.61	190.45
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,449.22	85.36
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,528.01	85.36
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,576.68	85.36
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,707.82	85.36
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	4,905.93	85.36
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,059.60	85.36
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,401.31	96.03
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,421.44	120.04
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	6,819.76	143.24
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,235.16	166.71
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,217.06	190.45
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	10,835.10	237.40
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	11,963.00	261.41
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,229.06	285.42
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	16,551.31	333.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	18,157.02	357.44
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,547.40	85.36
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,649.16	85.36
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,777.19	85.36
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	4,887.24	85.36
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	4,999.39	85.36
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,117.74	85.36
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,361.85	96.03
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	5,696.73	120.04
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,057.26	143.24
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,385.92	166.71
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,121.12	190.45
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	8,859.45	237.40
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,044.50	261.41
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	11,372.50	285.42
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	13,991.37	333.43
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	15,401.14	357.44
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	17,334.87	381.45
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	20,698.16	404.12
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	24,001.31	426.79
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	25,984.06	477.48
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	30,449.75	522.82
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,549.69	85.36
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,628.48	85.36
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,677.16	85.36
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	6,808.30	85.36
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	7,006.40	85.36
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,160.07	85.36
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,501.79	96.03
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,284.13	120.04
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	8,925.32	143.24
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,459.02	166.71
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	11,813.09	190.45
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	13,861.56	237.40
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	15,260.49	261.41
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	19,658.08	285.42
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	26,064.58	333.43
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	28,675.89	357.44
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,519.89	85.36
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,621.63	85.36
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,749.68	85.36
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	6,859.73	85.36
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	6,971.85	85.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,090.23	85.36
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,334.34	96.03
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,667.08	120.04
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,027.62	143.24
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,399.06	166.71
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,200.46	190.45
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,079.74	237.40
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,507.90	261.41
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	14,892.94	285.42
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	17,120.10	333.43
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	19,106.46	357.44
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	22,300.09	381.45
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	29,741.64	404.12
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	32,970.20	426.79
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	41,619.48	477.48
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	49,032.15	522.82
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	466.63	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	744.63	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	824.05	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,399.90	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,670.72	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,635.29	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,708.57	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,862.41	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,995.08	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,355.51	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,424.18	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,570.67	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,699.02	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,230.26	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,237.80	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	3,909.74	71.13
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	3,913.75	71.13
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	3,952.94	80.03
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,037.10	100.03
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,323.28	119.37
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	4,787.85	138.93
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	5,662.26	158.72
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	5,765.02	198.72
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	6,969.89	218.51
		For Bypass Panel, Add	*929.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,138.79	238.07
		For Bypass Panel, Add	*1,152.02*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	3,887.00	71.13
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	3,892.35	71.13
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	3,917.77	71.13
		For Bypass Panel, Add	*779.27*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	3,974.35	80.03
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,267.22	100.03
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	4,727.32	119.37
		For Bypass Panel, Add	*929.52*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	5,610.65	138.93
		For Bypass Panel, Add	*1,152.02*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	5,675.64	158.72
		For Bypass Panel, Add	*1,152.02*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	6,911.59	198.72
		For Bypass Panel, Add	*1,620.69*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,082.27	218.51
		For Bypass Panel, Add	*2,300.75*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	452.01	33.34
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	452.01	33.34
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	523.42	22.23
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	646.13	10.01
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	664.41	11.11
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	677.34	12.22
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	704.99	13.34
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	715.22	14.45
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	946.23	15.56
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	984.57	16.67
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,026.94	17.78
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,067.95	18.90
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,103.62	20.00
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,541.99	21.12
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	165.38	11.11
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	175.63	12.22
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	197.93	13.34
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	272.38	14.45
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	308.06	15.56
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	316.97	16.67
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	325.89	17.78
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	345.49	18.90
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	452.08	20.00
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	462.32	21.12
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	166.72	11.11
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	183.66	12.22
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	201.94	13.34
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	210.84	14.45
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	218.42	15.56
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	284.86	16.67
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	295.12	17.78
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	309.37	18.90
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	318.29	20.00
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	395.43	21.12
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	433.78	22.23
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	71.33	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	101.21	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	128.42	

22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	132.67	13.89
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	132.67	13.89
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	200.86	26.04
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	160.45	27.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0181		Paddlewheel Flow Sensors *(22 51 23)*		
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)	870.49	25.67
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,203.63	25.67
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,203.63	25.67
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,255.80	25.67
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,311.99	25.67
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,418.36	25.67
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,418.36	25.67
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,484.58	25.67
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,548.80	25.67
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	916.65	25.67
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,255.80	25.67
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,255.80	25.67
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,311.99	25.67
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,364.17	25.67
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)	958.79	25.67
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	329.90	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	455.84	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	559.69	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	687.64	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	913.92	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	921.45	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	268.36	7.11
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	394.79	7.11
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	503.16	7.11
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	655.68	7.11
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	936.63	7.11

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 70 Healthcare Gas Piping *(22 63 13)*

22 63 13 70-0001		Zone Valve Assemblies *(22 63 13 70)*		
22 63 13 70-0002		Single Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0003	EA	1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	441.55	55.14
22 63 13 70-0004	EA	3/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	470.74	59.80
22 63 13 70-0005	EA	1" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	500.84	63.61
22 63 13 70-0006	EA	1-1/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	565.34	69.45
22 63 13 70-0007	EA	1-1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	653.30	73.68
22 63 13 70-0008	EA	2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	822.39	79.52
22 63 13 70-0009		Double Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0010	EA	1/2" x 1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	631.20	79.03
22 63 13 70-0011	EA	1/2" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	660.39	83.68
22 63 13 70-0012	EA	1/2" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	697.63	87.43
22 63 13 70-0013	EA	1/2" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	774.02	93.33
22 63 13 70-0014	EA	1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	873.88	97.57
22 63 13 70-0015	EA	3/4" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	687.19	88.34
22 63 13 70-0016	EA	3/4" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	724.44	92.15
22 63 13 70-0017	EA	3/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	803.21	97.99
22 63 13 70-0018	EA	3/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	857.86	102.22
22 63 13 70-0019	EA	1" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	752.17	95.91
22 63 13 70-0020	EA	1" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	797.64	101.81
22 63 13 70-0021	EA	1" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	890.36	106.05
22 63 13 70-0022	EA	1-1/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	928.75	107.64
22 63 13 70-0023	EA	1-1/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	964.36	111.95
22 63 13 70-0024	EA	1-1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,064.22	116.19
22 63 13 70-0025		Triple Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0026	EA	1/2" x 1/2" x 1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	863.67	102.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0027	EA	1/2" x 1/2" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	892.85	107.57
22 63 13 70-0028	EA	1/2" x 1/2" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	930.10	111.33
22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,008.87	117.23
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,111.10	121.47
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	924.42	112.23
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	961.66	115.98
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,038.05	121.88
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,140.29	126.12
22 63 13 70-0035	EA	1/2" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	998.91	119.80
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,075.30	125.70
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,177.53	129.94
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	953.61	116.88
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	990.85	120.70
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,067.25	126.53
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,169.47	130.77
22 63 13 70-0042	EA	3/4" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,028.09	124.45
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,104.49	130.36
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,204.34	134.59
22 63 13 70-0045	EA	1" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,003.49	128.27
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,077.50	134.10
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,243.97	138.41

22 63 13 70-0048 Medical Gas Copper Pipe And Fittings *(22 63 13 70)*

22 63 13 70-0049 Medical Gas Copper Pipe, ASTM B819 *(22 63 13 70-0048)*

22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	7.50	2.41
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	10.32	2.41
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	11.39	2.41
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	13.37	2.41
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	18.65	2.41
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	22.81	2.41
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	27.77	2.41
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	35.22	2.41
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	51.84	2.41
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	75.10	3.99
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	96.64	3.99
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	124.76	6.03
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	173.71	6.03

22 63 13 70-0063 Medical Gas Copper Fittings *(22 63 13 70-0048)*

22 63 13 70-0064 Medical Gas Copper 90 Degree Elbows *(22 63 13 70-0063)*

22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P049)	31.05	18.31
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P050)	31.93	19.14
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P079)	33.94	20.12
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P080)	38.75	21.17
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P081)	37.98	21.17
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P082)	46.75	25.17
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P055)	49.85	26.82
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P056)	61.99	30.90
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P057)	78.00	36.55
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P058)	145.02	61.87
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA3)	180.16	73.09
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA4)	296.66	89.37

22 63 13 70-0077 Medical Gas Copper Tees *(22 63 13 70-0063)*

22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P095)	48.05	26.82
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P096)	49.07	28.71
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P098)	48.19	30.90
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R568)	65.78	33.53
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P103)	54.59	33.53
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P109)	73.91	40.23
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P113)	87.16	44.68
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P117)	102.89	50.26
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R499)	133.68	57.42
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMD9)	230.79	100.52
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VME5)	304.91	114.91
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG2)	511.43	160.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0090		**Medical Gas Copper Couplings** *(22 63 13 70-0063)*		
22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R491)	25.11	16.05
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R495)	26.48	16.72
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R489)	27.10	17.49
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R493)	30.67	18.31
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R490)	30.50	19.14
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R492)	37.45	22.30
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R501)	43.01	23.66
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R509)	49.65	26.82
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R516)	61.24	30.90
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R615)	115.13	53.57
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R690)	145.04	61.87
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R692)	200.96	75.35
22 63 13 70-0103		**Medical Gas Copper Caps** *(22 63 13 70-0063)*		
22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R498)	16.38	10.02
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R521)	17.12	10.02
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P121)	15.82	10.02
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R511)	18.38	10.55
22 63 13 70-0108	EA	3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P122)	17.13	10.55
22 63 13 70-0109	EA	1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P123)	22.53	12.59
22 63 13 70-0110	EA	1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P124)	26.06	13.87
22 63 13 70-0111	EA	1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P125)	30.73	15.44
22 63 13 70-0112	EA	2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P126)	41.28	18.31
22 63 13 70-0113	EA	2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG6)	72.87	20.12
22 63 13 70-0114	EA	3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG7)	90.72	22.30
22 63 13 70-0115	EA	4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG8)	139.04	25.17

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	10.77	3.96
		For Schedule 80, Add	*2.50*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.14*	
		For Work In Restricted Working Space, Add	*1.79*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	13.22	4.44
		For Schedule 80, Add	*3.39*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.90*	
		For Work In Restricted Working Space, Add	*2.01*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	21.46	6.46
		For Schedule 80, Add	*6.11*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.23*	
		For Work In Restricted Working Space, Add	*2.91*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	29.31	8.40
		For Schedule 80, Add	*8.68*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.43*	
		For Work In Restricted Working Space, Add	*3.79*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	48.60	12.36
		For Schedule 80, Add	*15.64*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.39*	
		For Work In Restricted Working Space, Add	*5.56*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	41.82	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	53.66	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	74.82	22.57
		For Work In Restricted Working Space, Add	*10.16*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	109.98	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	226.31	44.10
		For Work In Restricted Working Space, Add	*19.85*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	41.48	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	52.79	19.72
		For Work In Restricted Working Space, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	76.49	22.57
		For Work In Restricted Working Space, Add	*10.16*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	93.14	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	200.21	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	72.01	31.95
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	89.28	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	123.95	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	173.36	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	311.02	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	89.24	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	119.91	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	116.33	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	164.16	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	167.63	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	285.41	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	83.79	31.95
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	92.13	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	132.66	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	177.38	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	261.35	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	78.62	31.95
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	95.40	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	127.60	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	176.39	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	366.29	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	103.49	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	123.44	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	123.44	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	172.80	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	172.80	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	318.68	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	321.47	92.64
		For Work In Restricted Working Space, Add	*41.67*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	286.58	92.64
		For Work In Restricted Working Space, Add	*41.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0055		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	97.67	39.93
		For Work In Restricted Working Space, Add	*17.96*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	120.77	50.35
		For Work In Restricted Working Space, Add	*22.64*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	173.28	55.14
		For Work In Restricted Working Space, Add	*24.80*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	244.19	72.37
		For Work In Restricted Working Space, Add	*32.55*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	443.46	115.77
		For Work In Restricted Working Space, Add	*52.09*	
22 66 53 00-0061		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	69.86	31.95
		For Work In Restricted Working Space, Add	*14.37*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	92.47	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	107.20	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	150.65	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	82.93	40.28
		For Work In Restricted Working Space, Add	*18.12*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	103.36	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	104.90	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	144.94	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	145.92	57.92
		For Work In Restricted Working Space, Add	*26.04*	
22 66 53 00-0071		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	83.11	37.09
		For Work In Restricted Working Space, Add	*16.67*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	111.00	48.75
		For Work In Restricted Working Space, Add	*21.93*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	173.76	66.19
		For Work In Restricted Working Space, Add	*29.76*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	251.54	84.24
		For Work In Restricted Working Space, Add	*37.88*	
22 66 53 00-0076		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	40.90	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	48.83	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	57.74	22.57
		For Work In Restricted Working Space, Add	*10.16*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.20	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	117.65	44.10
		For Work In Restricted Working Space, Add	*19.85*	
22 66 53 00-0082		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	38.58	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	50.58	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	60.96	22.57
		For Work In Restricted Working Space, Add	*10.16*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	82.36	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0087		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings** *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	35.70	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	45.40	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	53.12	22.57
		For Work In Restricted Working Space, Add	*10.16*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	70.25	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	103.13	44.10
		For Work In Restricted Working Space, Add	*19.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0093		**Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
22 66 53 00-0094		**Glass Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	24.94	3.82
		For Work In Restricted Working Space, Add	*2.29*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	31.89	4.17
		For Work In Restricted Working Space, Add	*2.50*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	44.06	5.84
		For Work In Restricted Working Space, Add	*3.51*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	73.99	7.57
		For Work In Restricted Working Space, Add	*4.55*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	126.16	10.34
		For Work In Restricted Working Space, Add	*6.20*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	70.77	17.02
		For Work In Restricted Working Space, Add	*10.19*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	82.50	18.05
		For Work In Restricted Working Space, Add	*10.81*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	117.50	20.49
		For Work In Restricted Working Space, Add	*12.29*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	176.35	27.09
		For Work In Restricted Working Space, Add	*16.25*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	447.38	37.50
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	70.91	17.09
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	82.22	17.85
		For Work In Restricted Working Space, Add	*10.73*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	117.36	20.41
		For Work In Restricted Working Space, Add	*12.25*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	176.35	27.09
		For Work In Restricted Working Space, Add	*16.25*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	447.36	37.50
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	71.91	17.09
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	83.43	17.85
		For Work In Restricted Working Space, Add	*10.73*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	119.47	20.41
		For Work In Restricted Working Space, Add	*12.25*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	176.35	27.09
		For Work In Restricted Working Space, Add	*16.25*	
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	71.91	17.09
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	83.43	17.85
		For Work In Restricted Working Space, Add	*10.73*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	119.47	20.41
		For Work In Restricted Working Space, Add	*12.25*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	176.35	27.09
		For Work In Restricted Working Space, Add	*16.25*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	86.26	17.09
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	104.04	17.85
		For Work In Restricted Working Space, Add	*10.73*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	116.92	25.56
		For Work In Restricted Working Space, Add	*15.35*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	152.46	26.46
		For Work In Restricted Working Space, Add	*15.87*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	139.93	26.81
		For Work In Restricted Working Space, Add	*16.10*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	195.00	30.63
		For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	331.34	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	513.95	56.25
		For Work In Restricted Working Space, Add	*33.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	110.72	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	112.80	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	149.60	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	240.03	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	537.88	56.25
		For Work In Restricted Working Space, Add	*33.75*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	112.11	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	135.88	28.83
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	145.42	29.52
		For Work In Restricted Working Space, Add	*17.71*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	189.90	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	200.34	36.11
		For Work In Restricted Working Space, Add	*21.67*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	211.17	37.16
		For Work In Restricted Working Space, Add	*22.29*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	391.63	46.53
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	424.87	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	433.53	51.04
		For Work In Restricted Working Space, Add	*30.63*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	159.08	34.03
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	162.54	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	215.69	40.97
		For Work In Restricted Working Space, Add	*24.59*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	364.66	54.17
		For Work In Restricted Working Space, Add	*32.50*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	672.73	75.00
		For Work In Restricted Working Space, Add	*45.01*	
22 66 53 00-0154		**Glass Acid Resistant DWV Reducing Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	161.14	35.07
		For Work In Restricted Working Space, Add	*21.04*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	189.14	37.50
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	201.29	38.19
		For Work In Restricted Working Space, Add	*22.92*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	304.71	44.10
		For Work In Restricted Working Space, Add	*26.46*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	300.34	45.14
		For Work In Restricted Working Space, Add	*27.08*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	323.23	47.57
		For Work In Restricted Working Space, Add	*28.55*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	436.20	55.56
		For Work In Restricted Working Space, Add	*33.33*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	476.80	57.99
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	541.15	64.59
		For Work In Restricted Working Space, Add	*38.75*	
22 66 53 00-0164		**Glass Acid Resistant DWV Tees** *(22 66 53 00-0093)*		
22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	124.81	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	126.88	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	167.10	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	267.49	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	570.77	56.25
		For Work In Restricted Working Space, Add	*33.76*	
22 66 53 00-0170		**Glass Acid Resistant DWV Reducing Tees** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	126.18	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	150.56	28.83
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	154.07	29.52
		For Work In Restricted Working Space, Add	*17.71*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	193.12	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	198.82	36.11
		For Work In Restricted Working Space, Add	*21.67*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	244.17	37.16
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	485.20	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	504.11	51.04
		For Work In Restricted Working Space, Add	*30.62*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	148.94	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	167.81	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	218.69	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	385.04	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	570.77	56.25
		For Work In Restricted Working Space, Add	*33.76*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	113.75	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	115.82	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	161.67	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	253.51	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	528.64	56.25
		For Work In Restricted Working Space, Add	*33.76*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	115.12	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	142.11	28.83
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	146.12	29.52
		For Work In Restricted Working Space, Add	*17.71*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	201.97	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	203.85	36.11
		For Work In Restricted Working Space, Add	*21.67*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	223.05	37.16
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	378.54	46.53
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	443.37	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	482.39	51.04
		For Work In Restricted Working Space, Add	*30.62*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	189.44	34.03
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	192.92	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	262.84	40.97
		For Work In Restricted Working Space, Add	*24.58*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	412.80	54.17
		For Work In Restricted Working Space, Add	*32.49*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	698.75	75.00
		For Work In Restricted Working Space, Add	*45.02*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	191.50	35.07
		For Work In Restricted Working Space, Add	*21.04*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	196.37	37.50
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	230.75	38.19
		For Work In Restricted Working Space, Add	*22.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	285.82	44.10
		For Work In Restricted Working Space, Add	*26.47*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	302.76	45.14
		For Work In Restricted Working Space, Add	*27.08*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	360.10	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	570.07	55.56
		For Work In Restricted Working Space, Add	*33.32*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	598.57	57.99
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	638.01	64.59
		For Work In Restricted Working Space, Add	*38.75*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	129.67	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	132.41	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	171.52	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	258.64	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	514.26	56.25
		For Work In Restricted Working Space, Add	*33.76*	

22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	131.71	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	144.62	28.83
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	156.18	29.52
		For Work In Restricted Working Space, Add	*17.71*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	195.93	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	205.16	36.11
		For Work In Restricted Working Space, Add	*21.67*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	224.56	37.16
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	379.44	46.53
		For Work In Restricted Working Space, Add	*27.92*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	434.62	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	442.16	51.04
		For Work In Restricted Working Space, Add	*30.62*	

22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	174.35	34.03
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	205.59	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	281.94	40.97
		For Work In Restricted Working Space, Add	*24.58*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	457.25	54.17
		For Work In Restricted Working Space, Add	*32.49*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	769.70	75.00
		For Work In Restricted Working Space, Add	*45.02*	

22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	178.72	35.07
		For Work In Restricted Working Space, Add	*21.04*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	231.96	37.50
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	227.53	38.19
		For Work In Restricted Working Space, Add	*22.92*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	310.56	44.10
		For Work In Restricted Working Space, Add	*26.47*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	306.68	45.14
		For Work In Restricted Working Space, Add	*27.08*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	346.13	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	505.27	55.56
		For Work In Restricted Working Space, Add	*33.32*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	539.23	57.99
		For Work In Restricted Working Space, Add	*34.79*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	630.97	64.59
		For Work In Restricted Working Space, Add	*38.75*	

22 66 53 00-0249 Glass Acid Resistant DWV Partition Compact Crosses *(22 66 53 00-0093)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	198.84	35.07
		For Work In Restricted Working Space, Add	*21.04*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross	200.26	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	216.87	34.73
		For Work In Restricted Working Space, Add	*20.84*	

22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	201.64	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	223.32	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	257.10	30.56
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	380.31	40.62
		For Work In Restricted Working Space, Add	*24.38*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	728.65	56.25
		For Work In Restricted Working Space, Add	*33.76*	

22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) *(22 66 53 00-0093)*

22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	202.40	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	232.01	28.83
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	247.99	29.52
		For Work In Restricted Working Space, Add	*17.71*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	286.44	35.76
		For Work In Restricted Working Space, Add	*21.46*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	304.51	36.11
		For Work In Restricted Working Space, Add	*21.67*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	336.38	37.16
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	489.32	47.57
		For Work In Restricted Working Space, Add	*28.54*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	559.82	51.04
		For Work In Restricted Working Space, Add	*30.62*	

22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increasers *(22 66 53 00-0093)*

22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	66.91	17.36
		For Eccentric Reducers Or Increasers, Add	*2.57*	
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	85.27	18.75
		For Eccentric Reducers Or Increasers, Add	*3.82*	
		For Work In Restricted Working Space, Add	*11.25*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	91.69	19.10
		For Eccentric Reducers Or Increasers, Add	*4.28*	
		For Work In Restricted Working Space, Add	*11.46*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	119.17	22.22
		For Eccentric Reducers Or Increasers, Add	*5.98*	
		For Work In Restricted Working Space, Add	*13.34*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	124.48	22.57
		For Eccentric Reducers Or Increasers, Add	*6.35*	
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	133.01	23.61
		For Eccentric Reducers Or Increasers, Add	*6.86*	
		For Work In Restricted Working Space, Add	*14.17*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	272.07	27.43
		For Eccentric Reducers Or Increasers, Add	*17.38*	
		For Work In Restricted Working Space, Add	*16.46*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	286.55	27.78
		For Eccentric Reducers Or Increasers, Add	*18.48*	
		For Work In Restricted Working Space, Add	*16.67*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	304.41	28.83
		For Eccentric Reducers Or Increasers, Add	*19.74*	
		For Work In Restricted Working Space, Add	*17.29*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	318.50	32.29
		For Eccentric Reducers Or Increasers, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.38*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	164.62	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	176.77	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	200.09	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	179.30	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	195.47	26.39
		For Work In Restricted Working Space, Add	*15.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	221.20	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	183.32	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	195.47	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	221.20	26.74
		For Work In Restricted Working Space, Add	*16.04*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	228.98	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	291.11	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	299.84	26.74
		For Work In Restricted Working Space, Add	*16.04*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	253.41	25.69
		For Work In Restricted Working Space, Add	*15.42*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	269.08	26.39
		For Work In Restricted Working Space, Add	*15.83*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	304.57	26.74
		For Work In Restricted Working Space, Add	*16.04*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	32.34	8.68
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	36.95	9.03
		For Work In Restricted Working Space, Add	*5.42*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	47.19	10.07
		For Work In Restricted Working Space, Add	*6.04*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	75.76	13.54
		For Work In Restricted Working Space, Add	*8.13*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	108.60	18.75
		For Work In Restricted Working Space, Add	*11.25*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	497.55	34.03
		For Work In Restricted Working Space, Add	*20.42*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	45.22	8.68
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	50.54	8.68
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	67.71	17.36
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	146.22	18.05
		For Work In Restricted Working Space, Add	*10.83*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	148.23	18.05
		For Work In Restricted Working Space, Add	*10.83*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	168.35	18.05
		For Work In Restricted Working Space, Add	*10.83*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	135.36	18.05
		For Work In Restricted Working Space, Add	*10.83*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	125.86	25.62
		For Work In Restricted Working Space, Add	*15.37*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	131.29	26.87
		For Work In Restricted Working Space, Add	*16.13*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	184.95	30.63
		For Work In Restricted Working Space, Add	*18.38*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	265.44	40.70
		For Work In Restricted Working Space, Add	*24.40*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	25.24
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.84
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	42.57
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	71.73
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	167.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0322		**Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)* Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	32.55	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	40.73	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	69.15	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	103.07	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	251.32	
22 66 53 00-0328		**Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)* Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0328)*		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	115.13	6.18
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	163.17	7.71
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	223.90	8.89
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	369.11	11.88
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	658.04	16.05
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,174.26	20.23
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,105.16	27.26
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,771.84	31.25
22 66 53 00-0338		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0328)*		
22 66 53 00-0339		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	427.37	52.64
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	571.43	57.92
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	957.06	69.31
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,443.31	78.44
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,386.60	128.94
22 66 53 00-0345		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.10	52.64
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	303.09	57.92
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	384.32	69.31
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,126.91	78.44
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,624.42	128.94
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,031.15	160.64
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,975.02	193.17
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	223.10	52.64
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	303.09	57.92
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	384.32	69.31
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	798.48	78.44
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,199.88	128.94
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,250.74	160.64
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,653.93	193.17
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	223.10	52.64
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	303.09	57.92
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	384.16	69.24
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	327.24	52.64
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	619.49	57.92
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	688.71	69.31
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	310.36	78.76
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	403.24	87.29
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	580.84	104.24
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,017.80	117.88
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,338.13	193.56
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,781.87	241.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	289.44	75.49
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	345.82	81.05
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	394.12	83.89
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	455.30	92.64
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	491.78	95.56
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	548.00	98.41
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	694.29	102.01
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	781.68	104.63
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	885.01	109.44
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	366.39	78.76
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	450.95	87.09
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	632.88	104.24
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	345.48	75.49
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	442.77	84.31
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	540.23	95.84
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	584.48	98.68
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	306.49	78.89
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	447.30	87.29
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	580.71	104.18
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,025.14	117.44
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,242.99	193.36
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	321.45	75.49
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	345.79	81.05
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	366.82	84.38
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	411.24	92.64
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	427.86	95.70
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	532.41	98.68
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	737.88	102.13
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	897.83	104.63
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	937.07	109.44
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,440.73	155.99
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,644.70	161.15
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,269.80	169.40
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	382.37	78.76
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	462.97	87.09
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	712.98	104.24
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,129.50	117.56
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	305.43	75.49
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	361.81	81.05
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	406.72	84.31
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	439.27	92.64
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	520.20	95.84
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	600.46	98.61
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	789.91	102.13
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,014.03	104.69
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,117.57	109.63
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	186.46	49.59
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	206.63	52.36
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	234.85	55.14
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	408.08	61.11
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	428.28	63.96
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	458.60	65.44
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	614.28	70.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	901.92	96.72
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	958.28	104.90
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	518.06	115.77
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	726.33	115.77
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	745.02	115.77
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	799.49	145.94
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	663.67	52.64
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	807.73	57.92
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	985.09	69.31
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,037.36	78.44
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	299.20	52.64
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	387.19	57.92
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	544.52	69.31
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	701.69	78.44
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,421.72	109.44
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.88	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	73.43	
22 66 53 00-0458		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0459		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	91.66	4.65
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	104.44	5.14
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	144.76	6.46
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	183.42	7.50
22 66 53 00-0464		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0458)*		
22 66 53 00-0465		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	315.64	36.88
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	338.85	41.67
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	477.42	45.98
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	575.96	55.56
22 66 53 00-0470		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	159.44	36.88
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	194.02	41.26
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	257.38	46.12
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	343.04	55.14
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	190.58	38.96
22 66 53 00-0476		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	159.44	36.88
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	194.02	41.26
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	257.38	46.12
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	343.04	55.14
22 66 53 00-0481		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	195.49	36.88
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	250.09	41.26
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	405.57	46.12
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	451.18	55.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0486		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	187.48	36.88
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	226.06	41.26
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	369.53	46.12
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	415.14	55.14
22 66 53 00-0491		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	283.45	55.49
22 66 53 00-0493		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	219.37	55.49
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	277.95	62.50
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	380.78	69.65
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	601.62	83.41
22 66 53 00-0498		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	258.40	60.14
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	325.50	64.86
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	348.97	67.15
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	371.39	74.10
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	414.64	76.18
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	454.13	78.47
22 66 53 00-0505		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	219.65	55.70
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	261.93	62.50
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	364.76	69.65
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	601.62	83.41
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	246.85	60.49
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	313.48	64.79
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	329.24	67.37
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	371.73	74.31
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	415.27	76.60
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	442.42	78.69
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	339.49	74.17
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	445.52	83.48
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	587.03	92.37
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	775.28	111.05
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	378.13	78.54
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	429.11	83.20
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	524.16	87.78
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	578.29	97.23
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	713.84	102.16
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	387.51	74.17
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	461.38	83.33
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	691.95	92.86
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	987.72	111.18
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	418.15	78.54
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	569.27	83.20
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	600.21	87.78
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	638.33	97.16
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	837.46	101.75
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	251.14	55.28
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	293.97	62.50
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	364.76	69.65
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	645.68	83.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	278.48	60.22
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	313.75	65.01
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	345.26	67.37
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	487.88	74.31
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	499.37	76.60
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	566.58	78.69
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	415.39	74.03
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	533.40	83.26
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	799.59	92.57
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	960.05	111.40
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	454.19	78.54
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	557.24	83.13
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	580.19	87.78
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	646.34	97.16
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	837.46	101.75
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	191.17	39.37
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	218.67	41.67
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	257.13	48.61
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	317.56	46.18
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	337.05	48.48
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	356.52	50.77
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	180.78	32.44
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	211.18	36.67
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	250.46	41.53
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	484.35	50.56
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	75.72	18.47
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	91.01	20.63
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	98.65	23.06
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	129.47	27.57
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	355.37	36.67
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	362.24	41.26
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	453.63	46.12
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	583.35	55.14
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	507.67	39.44
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	710.87	44.03
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	865.88	48.61
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,080.07	57.92
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	691.57	41.88
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,114.79	46.32
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	723.35	41.67
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,114.79	46.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	639.24	41.67
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	754.33	46.32
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	747.38	41.67
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,695.54	46.32
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	986.63	46.32
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	243.80	37.09
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	326.84	41.67
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	113.76	27.78
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	233.38	30.14
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	156.22	34.73
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	227.50	39.52
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	250.71	41.67
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	282.22	43.96
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	301.00	48.48
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	282.25	44.03
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	297.70	46.32
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	320.47	50.77
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	373.31	48.61
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	463.29	57.92
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	96.12	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	112.14	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	120.15	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	132.17	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	688.63	18.54
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	258.20	9.24
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	490.50	9.24
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,437.84	92.64
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	3,029.54	97.30
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	2,104.56	9.24
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)* Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	10.93	2.92
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	14.10	3.47
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	23.54	5.00
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	30.91	5.42
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	50.52	6.25
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	117.15	8.31
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.125	42.58	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.16	53.54	14.79
		For Work In Restricted Working Space, Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.215	83.06	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.25	119.37	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.325	264.17	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.438	366.05	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 66 53 00-0643		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	43.45	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	57.78	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	90.71	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	122.17	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0648		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	42.14	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	52.40	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	85.25	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	97.51	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	228.49	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	325.14	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 66 53 00-0655		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	42.63	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	52.36	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	84.34	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	104.63	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	184.90	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	204.87	40.49
		For Work In Restricted Working Space, Add	*18.23*	
22 66 53 00-0662		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	251.54	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	195.04	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	118.56	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0666		**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	57.36	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	70.85	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	119.89	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	164.57	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	442.63	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	613.59	60.69
		For Work In Restricted Working Space, Add	*27.35*	
22 66 53 00-0673		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0635)*		
22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	65.92	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	70.05	20.56
		For Work In Restricted Working Space, Add	*9.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	68.35	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	103.72	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	111.05	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	146.33	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	154.66	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	325.04	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	762.76	52.02
		For Work In Restricted Working Space, Add	*23.44*	

22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	81.93	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	100.11	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	134.16	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	168.79	46.25
		For Work In Restricted Working Space, Add	*20.84*	

22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	101.76	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	121.54	31.46
		For Work In Restricted Working Space, Add	*14.17*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	156.70	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	137.67	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	153.72	42.98
		For Work In Restricted Working Space, Add	*19.38*	

22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers *(22 66 53 00-0635)*

22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	58.34	13.19
		For Work In Restricted Working Space, Add	*5.94*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	64.30	15.69
		For Work In Restricted Working Space, Add	*7.08*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	107.44	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	117.92	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	129.89	21.53
		For Work In Restricted Working Space, Add	*9.69*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	177.46	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	204.97	26.60
		For Work In Restricted Working Space, Add	*11.98*	

22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings *(22 66 53 00-0635)*

22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	40.79	13.19
		For Work In Restricted Working Space, Add	*5.94*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	45.81	15.69
		For Work In Restricted Working Space, Add	*7.08*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	50.24	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	82.19	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	87.25	21.53
		For Work In Restricted Working Space, Add	*9.69*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	138.33	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	136.09	26.60
		For Work In Restricted Working Space, Add	*11.98*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	397.27	31.81
		For Work In Restricted Working Space, Add	*14.33*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	417.60	35.27
		For Work In Restricted Working Space, Add	*15.90*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	75.22	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	101.94	22.22
		For Work In Restricted Working Space, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	169.35	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	273.47	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0717		**Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	57.97	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	78.12	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	124.64	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	168.46	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	363.14	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	412.71	60.69
		For Work In Restricted Working Space, Add	*27.35*	
22 66 53 00-0724		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	63.38	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	75.69	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	107.28	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	115.39	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	117.28	28.89
		For Work In Restricted Working Space, Add	*13.02*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	152.94	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	161.37	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	254.34	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	301.60	52.02
		For Work In Restricted Working Space, Add	*23.44*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	332.04	55.49
		For Work In Restricted Working Space, Add	*25.00*	
22 66 53 00-0735		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	94.65	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	107.79	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	174.23	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	330.66	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	544.54	60.14
		For Work In Restricted Working Space, Add	*27.08*	
22 66 53 00-0741		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes** *(22 66 53 00-0635)*		
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	134.64	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	169.04	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	295.98	42.98
		For Work In Restricted Working Space, Add	*19.38*	
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	441.46	53.20
		For Work In Restricted Working Space, Add	*23.96*	
22 66 53 00-0746		**Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	67.73	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	88.96	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	133.61	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	178.23	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	408.64	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	718.46	60.69
		For Work In Restricted Working Space, Add	*27.35*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0753		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	63.15	18.96
		For Work In Restricted Working Space, Add	*8.54*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	80.99	20.56
		For Work In Restricted Working Space, Add	*9.27*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	112.42	25.69
		For Work In Restricted Working Space, Add	*11.56*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	120.99	27.29
		For Work In Restricted Working Space, Add	*12.29*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	156.64	30.56
		For Work In Restricted Working Space, Add	*13.75*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	165.92	33.06
		For Work In Restricted Working Space, Add	*14.90*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	318.13	40.00
		For Work In Restricted Working Space, Add	*18.02*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	330.50	41.60
		For Work In Restricted Working Space, Add	*18.75*	
22 66 53 00-0762		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	102.42	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	154.42	29.59
		For Work In Restricted Working Space, Add	*13.34*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	248.74	39.79
		For Work In Restricted Working Space, Add	*17.92*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	427.62	46.25
		For Work In Restricted Working Space, Add	*20.84*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	589.36	60.14
		For Work In Restricted Working Space, Add	*27.08*	
22 66 53 00-0768		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	134.65	26.39
		For Work In Restricted Working Space, Add	*11.88*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	210.54	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	255.38	37.92
		For Work In Restricted Working Space, Add	*17.09*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	263.02	42.98
		For Work In Restricted Working Space, Add	*19.38*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	334.16	49.93
		For Work In Restricted Working Space, Add	*22.50*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	375.62	53.20
		For Work In Restricted Working Space, Add	*23.96*	
22 66 53 00-0775		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	63.35	17.36
		For Work In Restricted Working Space, Add	*7.81*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	74.54	22.22
		For Work In Restricted Working Space, Add	*10.00*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	131.21	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	169.77	34.73
		For Work In Restricted Working Space, Add	*15.63*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	385.52	45.07
		For Work In Restricted Working Space, Add	*20.31*	
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	14.32	5.77
		For Work In Restricted Working Space, Add	*2.60*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	17.28	7.36
		For Work In Restricted Working Space, Add	*3.33*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	25.71	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	29.44	11.52
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	50.76	15.00
		For Work In Restricted Working Space, Add	*6.77*	
22 66 53 00-0786		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	33.67	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	41.45	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	65.35	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	95.77	23.13
		For Work In Restricted Working Space, Add	*10.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	150.73	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	270.98	40.49
		For Work In Restricted Working Space, Add	*18.25*	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0635)*

22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	37.06	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	46.81	14.79
		For Work In Restricted Working Space, Add	*6.67*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	61.32	19.86
		For Work In Restricted Working Space, Add	*8.96*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	79.50	23.13
		For Work In Restricted Working Space, Add	*10.42*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	116.10	30.07
		For Work In Restricted Working Space, Add	*13.54*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	252.19	40.49
		For Work In Restricted Working Space, Add	*18.25*	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*

22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	24.18	5.77
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	32.22	7.44
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	49.76	9.93
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	84.32	11.60
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	134.74	15.00

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*

22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	27.24	5.77
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	38.96	7.44
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	45.43	9.93
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	80.94	11.60
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	108.40	15.00

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*

22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	24.00	5.77
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	29.44	7.44
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	46.61	9.93
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	81.94	11.60
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	104.41	15.00
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	165.38	20.28

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	473.64	141.28
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	917.43	195.91
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,104.15	282.57
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,404.36	376.75
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,834.14	452.10
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,562.47	565.13
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,902.99	706.41
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	3,840.14	847.70
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	4,303.90	1,017.23

22 66 83 16-0012 Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	872.99	141.28
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,549.73	195.91
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,551.04	282.57
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,358.54	376.75
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,274.17	452.10
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	4,716.10	565.13
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,047.12	706.41
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	7,584.06	847.70
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,097.73	1,017.23

22 66 83 16-0022 Chemical Dilution Trap *(22 66 83 16)*

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	487.84	47.09
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	505.76	47.09
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	523.68	47.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	566.22	56.51

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

22 67 13 53 Laboratory Water Piping *(22 67 13)*

22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*

22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	14.24	2.01
		For Work In Restricted Working Space, Add	*0.89*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	17.97	2.50
		For Work In Restricted Working Space, Add	*1.12*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	24.53	2.63
		For Work In Restricted Working Space, Add	*1.19*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	42.25	2.92
		For Work In Restricted Working Space, Add	*1.30*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	57.82	3.47
		For Work In Restricted Working Space, Add	*1.56*	

22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	53.71	7.44
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	64.33	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	75.96	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	120.31	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	146.68	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	53.71	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	64.33	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	75.96	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	121.34	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	146.68	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*

22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	67.92	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	79.84	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	95.61	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	165.44	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	218.69	37.09
		For Work In Restricted Working Space, Add	*16.67*	

22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	186.26	13.89
		For Work In Restricted Working Space, Add	*6.25*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	219.60	16.18
		For Work In Restricted Working Space, Add	*7.29*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	229.72	17.57
		For Work In Restricted Working Space, Add	*7.91*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	282.20	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	333.76	33.33
		For Work In Restricted Working Space, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0032		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts** *(22 67 13 53-0001)*		
22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	75.80	8.82
		For Work In Restricted Working Space, Add	*3.96*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	91.10	10.21
		For Work In Restricted Working Space, Add	*4.58*	
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	103.52	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	144.90	13.89
		For Work In Restricted Working Space, Add	*6.25*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	152.74	15.28
		For Work In Restricted Working Space, Add	*6.88*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	157.57	16.18
		For Work In Restricted Working Space, Add	*7.29*	
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	240.82	22.71
		For Work In Restricted Working Space, Add	*10.21*	
22 67 13 53-0040		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters** *(22 67 13 53-0001)*		
22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	65.77	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	80.99	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	94.34	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	132.95	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	177.66	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 67 13 53-0046		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters** *(22 67 13 53-0001)*		
22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	65.77	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	80.99	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	94.34	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	132.95	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	175.40	25.07
		For Work In Restricted Working Space, Add	*11.26*	
22 67 13 53-0052		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings** *(22 67 13 53-0001)*		
22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	37.62	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	51.12	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	65.62	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	101.93	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	138.64	25.07
		For Work In Restricted Working Space, Add	*11.26*	
22 67 13 53-0058		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions** *(22 67 13 53-0001)*		
22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	199.46	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	214.83	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	244.38	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	434.27	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	613.89	37.09
		For Work In Restricted Working Space, Add	*16.67*	
22 67 13 53-0064		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps** *(22 67 13 53-0001)*		
22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	48.12	7.60
		For Work In Restricted Working Space, Add	*3.41*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	57.44	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	65.62	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	103.08	19.72
		For Work In Restricted Working Space, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	138.64	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0070 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0001)*

22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	87.45	12.50
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	99.95	14.79
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	120.08	19.94
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	181.52	30.14
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	214.10	37.09
		For Work In Restricted Working Space, Add	*16.67*	

22 67 13 53-0076 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

22 67 13 53-0077 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe *(22 67 13 53-0076)*

22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	12.65	2.01
		For Work In Restricted Working Space, Add	*0.89*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	16.20	2.50
		For Work In Restricted Working Space, Add	*1.12*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	21.52	2.63
		For Work In Restricted Working Space, Add	*1.19*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	27.55	2.92
		For Work In Restricted Working Space, Add	*1.30*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	38.12	3.47
		For Work In Restricted Working Space, Add	*1.56*	

22 67 13 53-0083 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0076)*

22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	43.44	7.44
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	55.42	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	69.13	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	98.16	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	130.51	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0089 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0076)*

22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	43.07	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	55.61	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	69.32	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	100.78	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	130.51	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0095 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees *(22 67 13 53-0076)*

22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	56.95	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	67.76	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	82.97	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	125.04	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	162.03	37.09
		For Work In Restricted Working Space, Add	*16.67*	

22 67 13 53-0101 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees *(22 67 13 53-0076)*

22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	68.07	13.89
		For Work In Restricted Working Space, Add	*6.25*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	85.03	16.18
		For Work In Restricted Working Space, Add	*7.29*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	87.11	17.57
		For Work In Restricted Working Space, Add	*7.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	124.85	25.00
		For Work In Restricted Working Space, Add	*11.25*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	159.66	33.33
		For Work In Restricted Working Space, Add	*15.00*	

22 67 13 53-0107 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts *(22 67 13 53-0076)*

22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	49.74	8.82
		For Work In Restricted Working Space, Add	*3.96*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	56.14	10.21
		For Work In Restricted Working Space, Add	*4.58*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	58.22	11.60
		For Work In Restricted Working Space, Add	*5.21*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	77.44	13.89
		For Work In Restricted Working Space, Add	*6.25*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	79.53	15.28
		For Work In Restricted Working Space, Add	*6.88*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	80.92	16.18
		For Work In Restricted Working Space, Add	*7.29*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	112.76	22.71
		For Work In Restricted Working Space, Add	*10.21*	

22 67 13 53-0115 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	43.44	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	54.29	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	63.32	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	83.91	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	122.23	25.00
		For Work In Restricted Working Space, Add	*11.25*	

22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	43.44	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	54.29	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	63.32	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	83.91	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	122.27	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0127 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings *(22 67 13 53-0076)*

22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	40.25	7.50
		For Work In Restricted Working Space, Add	*3.36*	
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	50.55	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	59.20	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	83.16	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	107.65	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions *(22 67 13 53-0076)*

22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	147.86	
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	170.48	14.93
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	204.63	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	339.10	29.86
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	443.58	37.09
		For Work In Restricted Working Space, Add	*16.67*	

22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps *(22 67 13 53-0076)*

22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	40.41	7.60
		For Work In Restricted Working Space, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	50.55	9.93
		For Work In Restricted Working Space, Add	*4.48*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	59.01	12.36
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	83.53	19.72
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	107.65	25.07
		For Work In Restricted Working Space, Add	*11.26*	

22 67 13 53-0145 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0076)*

22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	80.75	12.50
		For Work In Restricted Working Space, Add	*5.56*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	92.13	14.79
		For Work In Restricted Working Space, Add	*6.72*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	109.40	19.94
		For Work In Restricted Working Space, Add	*8.87*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	155.78	30.14
		For Work In Restricted Working Space, Add	*13.44*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	194.27	37.09
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*
Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	348.66
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	498.47
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	525.05
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	580.97
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,053.01
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	471.13
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	680.14
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	727.81
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	966.44
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,509.52
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	573.88
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	863.89
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	1,976.94
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,128.72
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,902.27

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	18.84
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	22.61
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	26.38
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	30.14
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	37.67
23 01 20 91-0007	EA	Lock Out Padlock	7.54
23 01 20 91-0008	EA	Lock Out Tags	3.89

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*
Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	323.72

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*
Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	565.59
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	246.44
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	688.76
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	282.80
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	977.39
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	319.26
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,117.09
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	383.72
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,684.30
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	440.79
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,644.65
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	613.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	4,848.15	
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	933.25	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	6,726.14	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,306.47	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	8,690.73	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,733.21	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.23	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 2,000, Deduct	*-0.22*	
		For >2,000, Deduct	*-0.34*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	1.66	
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 2,000, Deduct	*-0.30*	
		For >2,000, Deduct	*-0.46*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	2.55	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000, Deduct	*-0.68*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	3.46	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 2,000, Deduct	*-0.60*	
		For >2,000, Deduct	*-0.91*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	4.23	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000, Deduct	*-1.09*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	5.34	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 2,000, Deduct	*-0.89*	
		For >2,000, Deduct	*-1.37*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	7.05	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 2,000, Deduct	*-1.19*	
		For >2,000, Deduct	*-1.82*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	8.47	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 2,000, Deduct	*-1.43*	
		For >2,000, Deduct	*-2.19*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	170.63

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	119.17
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	148.95
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	212.61
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	254.77
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	318.46
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	414.01
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.20
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	248.16
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	354.42
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	424.66
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	530.83
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	690.08
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.35
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	347.43
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	496.19
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	594.53
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	743.17
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	966.12
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.49
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	477.71
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	682.26
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	725.20
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	906.50
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,178.45
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.59
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	644.91
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	921.05
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	979.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,223.77	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,590.91	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	0.80	

23 01 20 91-0073 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	1.48	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.39*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.45	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.63*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.42	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 2,000, Deduct	*-0.57*	
		For >2,000, Deduct	*-0.87*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.42	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000, Deduct	*-1.11*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.15	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	

23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	1.56	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.39*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.54	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.63*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.56	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 2,000, Deduct	*-0.57*	
		For >2,000, Deduct	*-0.87*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.62	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000, Deduct	*-1.11*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.42	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	

23 01 20 91-0086 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	1.58	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 2,000, Deduct	*-0.25*	
		For >2,000, Deduct	*-0.39*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	2.58	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.63*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	3.61	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 2,000, Deduct	*-0.57*	
		For >2,000, Deduct	*-0.87*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	4.70	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000, Deduct	*-1.11*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing	6.52	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-1.56*	

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0093	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	390.97
23 01 20 91-0094	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	493.91
23 01 20 91-0095	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	691.72
23 01 20 91-0096	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,073.42
23 01 20 91-0097	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,330.19
23 01 20 91-0098	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,028.83

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51		**HVAC Air-Distribution System Cleaning** *(23 01 30)*		
23 01 30 51-0001		Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*		
23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	2.07	
		For Exhaust Ductwork, Add	*0.52*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	2.61	
		For Exhaust Ductwork, Add	*0.65*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.53	
		For Exhaust Ductwork, Add	*0.88*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.03	
		For Exhaust Ductwork, Add	*1.26*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.30	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	6.22	
23 01 30 51-0008	EA	Clean Floor Transition	5.03	
23 01 30 51-0009	SF	Clean Duct Dampers	6.91	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	13.83	
23 01 30 51-0011	SF	Clean Louver	5.53	
23 01 30 51-0012	EA	Clean Turning Vane Set	16.59	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	16.59	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	4.14	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	79.30	
		For Stainless Steel, Add	*73.68*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	49.76	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	66.35	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	66.35	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	66.35	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	132.71	
23 01 30 51-0021	EA	Clean Exhaust Fan	116.12	
23 01 30 51-0022	EA	Clean Duct Coil	99.53	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	3.32	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	165.88	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	265.41	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	2.29	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	2.63	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.42	
23 01 30 51-0029	EA	Minimum Set-up Charge For Cleaning Of Ductwork Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	464.43	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.33	
23 01 30 61		**HVAC Air-Distribution Duct Repair** *(23 01 30)*		
23 01 30 61-0001		Repair And Seal Ductwork *(23 01 30 61)* Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	1.36	
23 01 30 61-0003		Rework Sheet Metal Ductwork *(23 01 30 61)* Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	16.99	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	33.12	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	43.76	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	54.80	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	76.43	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	89.16	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	101.90	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	114.64	
23 01 50		**Operation and Maintenance of Central Heating Equipment** *(23 01)*		
23 01 50 61		**Central Heating Equipment Repair** *(23 01 50)*		
23 01 50 61-0001		Boiler Repairs *(23 01 50 61)*		
23 01 50 61-0002		Set-up And Maintenance For Boiler Repairs *(23 01 50 61-0001)*		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,563.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	1,813.35	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*556.30*	
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,084.01	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,042.00	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,084.01	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	65.13	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	195.38	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	8.45	
23 01 50 61-0011		**Boiler Tube Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	156.30	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	195.38	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	273.52	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	9.69	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.41	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.15	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	19.70	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	23.32	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	30.44	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	19.54	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	29.31	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	39.07	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	48.85	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	58.61	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	68.38	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	58.61	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	78.15	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	97.68	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	117.22	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	136.76	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	156.30	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	371.55	
23 01 50 61-0034		**Cast Iron Boiler Section Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,372.81	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,815.84	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	1,919.61	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	4,699.39	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,811.79	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	3,832.57	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,043.16	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,799.55	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	6,396.19	
23 01 50 61-0044		**Cast Iron Grate Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	136.70	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,290.35	
23 01 50 61-0047		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	10,506.23	740.02
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	15,345.62	916.20
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,091.83	1,109.97
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	21,484.36	1,195.87
23 01 50 61-0052		**Boiler And Chiller Water Treatment** *(23 01 50 61)* Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.79	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.68	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	167.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002	LB	Recovery Of Refrigerant	7.97	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	14.96	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant. For initial filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	6.72	

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen *(23 01 60 71)*

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	81.84	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	104.98	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	132.64	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	171.24	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	229.70	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.13	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	112.12	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	143.94	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	181.93	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	235.31	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	316.40	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.17	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	142.62	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	183.36	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	232.20	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	301.01	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	407.17	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.23	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	163.68	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	213.99	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	274.11	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	360.05	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	502.28	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.27	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	194.57	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	254.77	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	356.05	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	429.73	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	601.34	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.31	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	222.02	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	291.03	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	373.71	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	492.38	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	691.29	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.38	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	845.47	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	957.35	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	942.68	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,001.36	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,313.14	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,107.74	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,072.89	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,342.49	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,157.25	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,709.29	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,225.11	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,267.29	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,239.31	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,944.04	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,863.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,684.98	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,222.81	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,255.82	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,493.77	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,158.15	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,194.83	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,711.55	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,710.18	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,010.96	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,734.92	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,454.79	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,889.44	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,927.02	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,256.24	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,346.11	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,225.96	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,772.96	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,974.70	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,376.35	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,697.30	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,333.23	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,690.86	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,243.78	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,895.32	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,087.42	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,839.36	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,425.30	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,977.34	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	20,262.03	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,294.24	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,462.03	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,821.92	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,615.57	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,389.05	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,938.78	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,859.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	24,659.96	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,961.68	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,566.90	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	32,415.95	

23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	988.53	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,089.40	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,120.57	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,131.58	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,226.95	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,173.76	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,360.83	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.38	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,419.52	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,351.19	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,261.32	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,046.74	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,292.50	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,310.84	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,410.35	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,579.07	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,489.21	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,461.70	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,879.85	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,566.24	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,531.39	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,909.19	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,690.95	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,738.63	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,378.70	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,740.47	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,760.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,409.88	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,321.84	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,935.76	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,824.36	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,604.28	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,493.30	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,891.75	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,561.63	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,993.51	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,271.39	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,319.07	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,979.73	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,573.53	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,648.72	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,028.78	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,622.57	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,701.44	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,429.96	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.30	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,762.85	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,997.56	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,931.11	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,577.15	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,706.38	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,951.24	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,780.68	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,064.43	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,230.90	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,113.52	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,200.57	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,010.77	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,773.67	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,496.69	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	35,814.35	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,465.37	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,610.25	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,778.98	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,499.74	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,667.11	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,641.43	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,081.59	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,110.46	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,744.13	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,712.96	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,109.10	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,922.93	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,063.25	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,167.79	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,044.44	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,254.88	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,538.26	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,206.30	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,084.79	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,772.96	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,312.20	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,778.51	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,414.44	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,744.98	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,526.78	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,326.88	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,734.92	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,034.28	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,511.64	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,238.37	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,574.89	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,060.38	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,263.58	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,546.49	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,933.41	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,749.50	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,325.47	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,949.50	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,335.06	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,711.97	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,064.57	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,034.71	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,595.02	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,243.36	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,000.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,103.04	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,849.94	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,977.81	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,113.52	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,541.79	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,824.60	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,013.55	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,992.01	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,561.82	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,642.56	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,305.11	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,215.62	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,605.84	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,369.25	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	33,004.66	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,190.84	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	30,891.90	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,211.86	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	36,934.93	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,162.34	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	48,744.05	
23 05 13 00-0197		**Premium Efficient, Explosion Proof Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,955.04	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,024.74	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,208.14	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,728.99	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,026.10	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,170.52	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,256.71	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,762.43	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,569.39	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,630.80	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,687.19	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,667.44	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,266.69	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,957.59	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,429.35	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	28,540.71	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	37,303.56	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	42,563.47	
23 05 13 00-0216		**Motor Mounting** *(23 05 13)*		
		Note: Includes handling and motor installation on mounting base. Excludes mounting base.		
23 05 13 00-0217	EA	1/2 HP Motor Mounting	69.43	35.33
23 05 13 00-0218	EA	3/4 HP Motor Mounting	80.00	44.16
23 05 13 00-0219	EA	1 HP Motor Mounting	85.58	44.16
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	92.00	44.16
23 05 13 00-0221	EA	2 HP Motor Mounting	99.47	52.99
23 05 13 00-0222	EA	3 HP Motor Mounting	115.00	52.99
23 05 13 00-0223	EA	5 HP Motor Mounting	136.30	88.32
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	175.24	88.32
23 05 13 00-0225	EA	10 HP Motor Mounting	230.00	154.57
23 05 13 00-0226	EA	15 HP Motor Mounting	283.08	154.57
23 05 13 00-0227	EA	20 HP Motor Mounting	334.54	220.80
23 05 13 00-0228	EA	25 HP Motor Mounting	379.38	220.80
23 05 13 00-0229	EA	30 HP Motor Mounting	460.01	220.80
23 05 13 00-0230	EA	40 HP Motor Mounting	518.32	331.20
23 05 13 00-0231	EA	50 HP Motor Mounting	575.00	331.20
23 05 13 00-0232	EA	75 HP Motor Mounting	694.35	485.76
23 05 13 00-0233	EA	100 HP Motor Mounting	836.37	485.76
23 05 13 00-0234	EA	125 HP Motor Mounting	1,022.23	662.41
23 05 13 00-0235	EA	150 HP Motor Mounting	1,187.11	662.41
23 05 13 00-0236	EA	200 HP Motor Mounting	1,362.97	794.88

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 **Stainless Steel Bellows Type Expansion Joints** *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 **Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	165.97	60.78
		For 300 Lb. Rating, Add	*11.08*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	185.57	68.55
		For 300 Lb. Rating, Add	*12.14*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	220.41	78.59
		For 300 Lb. Rating, Add	*15.82*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	251.19	87.71
		For 300 Lb. Rating, Add	*18.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	272.91	94.27
		For 300 Lb. Rating, Add	*21.09*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	310.39	110.94
		For 300 Lb. Rating, Add	*22.14*	
23 05 16 00-0009		**Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)*		
		Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	591.42	60.84
		For 300 Lb. Rating, Add	*128.96*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	641.07	73.01
		For 300 Lb. Rating, Add	*137.39*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	665.57	92.69
		For 300 Lb. Rating, Add	*137.42*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	716.82	100.82
		For 300 Lb. Rating, Add	*147.60*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	785.93	118.21
		For 300 Lb. Rating, Add	*159.50*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	936.51	198.18
		For 300 Lb. Rating, Add	*172.04*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,296.60	216.78
		For 300 Lb. Rating, Add	*256.51*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,180.88	240.86
		For 300 Lb. Rating, Add	*219.68*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,521.31	307.78
		For 300 Lb. Rating, Add	*284.75*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,941.70	374.68
		For 300 Lb. Rating, Add	*368.34*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,566.81	283.82
		For 300 Lb. Rating, Add	*499.61*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,287.95	535.25
		For 300 Lb. Rating, Add	*654.72*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,296.01	588.78
		For 300 Lb. Rating, Add	*890.01*	
23 05 16 00-0023	EA	18" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	8,611.30	653.01
		For 300 Lb. Rating, Add	*1,948.76*	
23 05 16 00-0024	EA	20" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	9,904.77	735.97
		For 300 Lb. Rating, Add	*2,246.20*	
23 05 16 00-0025	EA	24" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	11,508.76	903.24
		For 300 Lb. Rating, Add	*2,594.93*	
23 05 16 00-0026	EA	30" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	14,558.16	1,471.95
		For 300 Lb. Rating, Add	*3,179.56*	
23 05 16 00-0027	EA	36" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	18,535.64	1,962.60
		For 300 Lb. Rating, Add	*4,020.60*	
23 05 16 00-0028		**Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints** *(23 05 16 00-0001)*		
		Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0029	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	581.15	83.44
		For 300 Lb. Rating, Add	*103.58*	
23 05 16 00-0030	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	609.69	84.14
		For 300 Lb. Rating, Add	*110.35*	
23 05 16 00-0031	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	615.50	86.92
		For 300 Lb. Rating, Add	*110.37*	
23 05 16 00-0032	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	663.98	94.77
		For 300 Lb. Rating, Add	*118.55*	
23 05 16 00-0033	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	736.63	111.47
		For 300 Lb. Rating, Add	*128.37*	
23 05 16 00-0034	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	996.19	221.96
		For 300 Lb. Rating, Add	*138.18*	
23 05 16 00-0035	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,276.18	226.61
		For 300 Lb. Rating, Add	*206.03*	
23 05 16 00-0036	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,207.23	250.90
		For 300 Lb. Rating, Add	*176.45*	
23 05 16 00-0037	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,487.38	286.70
		For 300 Lb. Rating, Add	*228.71*	
23 05 16 00-0038	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,884.50	351.27
		For 300 Lb. Rating, Add	*295.85*	
23 05 16 00-0039	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,456.66	425.80
		For 300 Lb. Rating, Add	*401.28*	
23 05 16 00-0040	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,052.22	433.55
		For 300 Lb. Rating, Add	*546.23*	
23 05 16 00-0041	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,054.26	541.95
		For 300 Lb. Rating, Add	*742.53*	
23 05 16 00-0042		**Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints** *(23 05 16)*		
23 05 16 00-0043		**Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints** *(23 05 16 00-0042)*		
23 05 16 00-0044	EA	2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	778.12	92.69
23 05 16 00-0045	EA	2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	837.72	100.82
23 05 16 00-0046	EA	3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	916.57	118.21
23 05 16 00-0047	EA	4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,077.42	198.18
23 05 16 00-0048	EA	5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,506.71	216.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0049	EA	6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,360.82	240.86
23 05 16 00-0050	EA	8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,754.55	307.78
23 05 16 00-0051	EA	10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,243.40	374.68
23 05 16 00-0052	EA	12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,976.04	284.15
23 05 16 00-0053	EA	14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	3,824.23	535.25
23 05 16 00-0054	EA	16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	5,025.02	588.78
23 05 16 00-0055	EA	18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	6,658.29	653.01
23 05 16 00-0056	EA	20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	7,776.33	735.97
23 05 16 00-0057	EA	24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	8,908.19	903.24
23 05 16 00-0058	EA	30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	11,371.68	1,471.95
23 05 16 00-0059	EA	36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	14,506.28	1,962.60

23 05 16 00-0060 Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0061 Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0060)*

23 05 16 00-0062	EA	2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	927.26	92.69
23 05 16 00-0063	EA	2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	997.91	100.82
23 05 16 00-0064	EA	3" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,089.68	118.21
23 05 16 00-0065	EA	4" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,264.15	198.18
23 05 16 00-0066	EA	5" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,785.10	216.78
23 05 16 00-0067	EA	6" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,599.25	240.86
23 05 16 00-0068	EA	8" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	2,063.59	307.78
23 05 16 00-0069	EA	10" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	2,643.16	374.68
23 05 16 00-0070	EA	12" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	3,518.28	284.15
23 05 16 00-0071	EA	14" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	4,534.81	535.25
23 05 16 00-0072	EA	16" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	5,990.96	588.78
23 05 16 00-0073	EA	18" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	7,973.99	653.01
23 05 16 00-0074	EA	20" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	9,320.47	735.97
23 05 16 00-0075	EA	24" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	10,660.15	903.24
23 05 16 00-0076	EA	30" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	13,518.35	1,471.95
23 05 16 00-0077	EA	36" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	17,220.79	1,962.60

23 05 16 00-0078 Neoprene Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0079 Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints *(23 05 16 00-0078)*

Note: Cast iron ends.

23 05 16 00-0080	EA	2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,220.61	92.69
23 05 16 00-0081	EA	2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,292.51	100.82
23 05 16 00-0082	EA	3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,329.38	118.21
23 05 16 00-0083	EA	4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,567.86	198.18
23 05 16 00-0084	EA	5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,881.60	216.78
23 05 16 00-0085	EA	6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,938.77	240.86
23 05 16 00-0086	EA	8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,325.79	307.78
23 05 16 00-0087	EA	10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,565.25	374.68
23 05 16 00-0088	EA	12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,818.72	284.02
23 05 16 00-0089	EA	14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	3,660.99	535.25
23 05 16 00-0090	EA	16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	4,801.92	588.78
23 05 16 00-0091	EA	18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	6,339.81	653.01
23 05 16 00-0092	EA	20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	7,440.83	735.97
23 05 16 00-0093	EA	24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	8,519.37	903.24
23 05 16 00-0094	EA	30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	10,866.86	1,471.95
23 05 16 00-0095	EA	36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	13,883.93	1,962.60

23 05 16 00-0096 Tube And Cover Expansion Joints *(23 05 16)*

Note: Carbon steel split backup rings.

23 05 16 00-0097 Flanged, 150 Lb., Tube And Cover Expansion Joints *(23 05 16 00-0096)*

23 05 16 00-0098 Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0097)*

23 05 16 00-0099	EA	1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	411.76	52.15
23 05 16 00-0100	EA	1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	407.64	60.84
23 05 16 00-0101	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	485.05	73.01
23 05 16 00-0102	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	558.64	92.69
23 05 16 00-0103	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	630.66	100.82
23 05 16 00-0104	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	701.60	128.22
23 05 16 00-0105	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	896.58	214.95
23 05 16 00-0106	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	993.70	244.37
23 05 16 00-0107	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,126.15	240.86
23 05 16 00-0108	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,486.00	273.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0109	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,227.02	374.68
23 05 16 00-0110	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,830.61	454.97
23 05 16 00-0111	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,153.35	535.25
23 05 16 00-0112	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,527.71	588.78
23 05 16 00-0113	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,829.37	653.01
23 05 16 00-0114	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,634.09	735.97
23 05 16 00-0115	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,617.98	903.24
23 05 16 00-0116	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	7,915.35	1,471.95
23 05 16 00-0117	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	9,364.95	1,962.60
23 05 16 00-0118		**Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints** *(23 05 16 00-0097)*		
23 05 16 00-0119	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	387.16	52.15
23 05 16 00-0120	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	383.04	60.84
23 05 16 00-0121	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	460.45	73.01
23 05 16 00-0122	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	534.05	92.69
23 05 16 00-0123	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	606.07	100.82
23 05 16 00-0124	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	677.00	128.22
23 05 16 00-0125	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	859.68	214.95
23 05 16 00-0126	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	956.81	244.37
23 05 16 00-0127	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,089.26	240.86
23 05 16 00-0128	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,464.58	307.78
23 05 16 00-0129	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,091.74	374.68
23 05 16 00-0130	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,707.62	454.97
23 05 16 00-0131	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,018.06	535.25
23 05 16 00-0132	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,392.42	588.78
23 05 16 00-0133	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,681.79	653.01
23 05 16 00-0134	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,461.91	735.97
23 05 16 00-0135	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,408.90	903.24
23 05 16 00-0136	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	7,312.73	1,471.95
23 05 16 00-0137	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	9,020.60	1,962.60
23 05 16 00-0138		**Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints** *(23 05 16 00-0097)*		
23 05 16 00-0139	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	546.34	92.69
23 05 16 00-0140	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	667.78	128.22
23 05 16 00-0141	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	847.38	214.95
23 05 16 00-0142	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	984.72	240.86
23 05 16 00-0143	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,218.61	307.78
23 05 16 00-0144	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,513.71	374.68
23 05 16 00-0145	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,803.69	454.97
23 05 16 00-0146		**Flanged, Tube And Cover Expansion Joints (Mercer 501)** *(23 05 16 00-0096)*		
23 05 16 00-0147		**Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE)** *(23 05 16 00-0146)*		
23 05 16 00-0148	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	854.00	73.01
23 05 16 00-0149	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	939.89	92.69
23 05 16 00-0150	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	975.02	100.82
23 05 16 00-0151	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,095.15	128.22
23 05 16 00-0152	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,351.62	214.95
23 05 16 00-0153	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,485.64	244.37
23 05 16 00-0154	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,593.49	240.86
23 05 16 00-0155	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,140.99	307.78
23 05 16 00-0156	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,645.17	374.68
23 05 16 00-0157	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,039.68	454.97
23 05 16 00-0158	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,473.11	535.25
23 05 16 00-0159	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,785.97	588.78
23 05 16 00-0160	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,136.83	653.01
23 05 16 00-0161	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,880.05	735.97
23 05 16 00-0162	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,986.93	903.24
23 05 16 00-0163	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	8,517.97	1,471.95
23 05 16 00-0164	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	10,471.81	1,962.60
23 05 16 00-0165	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	13,420.20	2,943.90
23 05 16 00-0166	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,779.10	3,679.87
23 05 16 00-0167	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	20,754.64	5,299.02

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0168		**Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR)** *(23 05 16 00-0146)*		
23 05 16 00-0169	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	804.81	73.01
23 05 16 00-0170	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	878.40	92.69
23 05 16 00-0171	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	913.53	100.82
23 05 16 00-0172	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,021.36	128.22
23 05 16 00-0173	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,265.53	214.95
23 05 16 00-0174	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,399.55	244.37
23 05 16 00-0175	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,495.10	240.86
23 05 16 00-0176	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,005.71	307.78
23 05 16 00-0177	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,485.29	374.68
23 05 16 00-0178	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,855.20	454.97
23 05 16 00-0179	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,264.03	535.25
23 05 16 00-0180	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,564.60	588.78
23 05 16 00-0181	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,878.56	653.01
23 05 16 00-0182	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,584.89	735.97
23 05 16 00-0183	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,630.27	903.24
23 05 16 00-0184	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	8,013.74	1,471.95
23 05 16 00-0185	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,869.19	1,962.60
23 05 16 00-0186		**Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)** *(23 05 16 00-0146)* Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0187	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	854.00	73.01
23 05 16 00-0188	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	952.19	92.69
23 05 16 00-0189	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	975.02	100.82
23 05 16 00-0190	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,095.15	128.22
23 05 16 00-0191	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,351.62	214.95
23 05 16 00-0192	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,485.64	244.37
23 05 16 00-0193	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,605.79	240.86
23 05 16 00-0194	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,140.99	307.78
23 05 16 00-0195	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,645.17	374.68
23 05 16 00-0196	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,039.68	454.97
23 05 16 00-0197	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,473.11	535.25
23 05 16 00-0198	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,785.97	588.78
23 05 16 00-0199	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,136.83	653.01
23 05 16 00-0200	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,880.05	735.97
23 05 16 00-0201	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,986.93	903.24
23 05 16 00-0202	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	8,517.97	1,471.95
23 05 16 00-0203	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	10,471.81	1,962.60
23 05 16 00-0204		**Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA)** *(23 05 16 00-0146)*		
23 05 16 00-0205	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	890.90	73.01
23 05 16 00-0206	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	976.79	92.69
23 05 16 00-0207	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,011.91	100.82
23 05 16 00-0208	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,144.34	128.22
23 05 16 00-0209	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,413.11	214.95
23 05 16 00-0210	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,547.13	244.37
23 05 16 00-0211	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,667.28	240.86
23 05 16 00-0212	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,227.08	307.78
23 05 16 00-0213	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,755.85	374.68
23 05 16 00-0214	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,174.96	454.97
23 05 16 00-0215	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,608.39	535.25
23 05 16 00-0216	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,945.85	588.78
23 05 16 00-0217	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,296.71	653.01
23 05 16 00-0218	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,076.83	735.97
23 05 16 00-0219	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,245.19	903.24
23 05 16 00-0220		**Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)** *(23 05 16 00-0146)* Note: Kevlar reinforcement for high temperature.		
23 05 16 00-0221	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,124.57	73.01
23 05 16 00-0222	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,173.56	92.69
23 05 16 00-0223	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,270.18	100.82
23 05 16 00-0224	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,353.41	128.22
23 05 16 00-0225	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,831.26	214.95
23 05 16 00-0226	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,989.87	244.37
23 05 16 00-0227	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,060.83	240.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0228	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,423.85	307.78
23 05 16 00-0229	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,866.54	374.68
23 05 16 00-0230	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,470.12	454.97
23 05 16 00-0231	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,100.32	535.25
23 05 16 00-0232	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,806.74	588.78
23 05 16 00-0233	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,342.07	653.01
23 05 16 00-0234	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	6,331.27	735.97
23 05 16 00-0235	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	8,299.03	903.24

23 05 16 00-0236 Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) *(23 05 16 00-0096)*

23 05 16 00-0237 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) *(23 05 16 00-0236)*

23 05 16 00-0238	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	485.55	52.15
23 05 16 00-0239	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	554.70	55.97
23 05 16 00-0240	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	767.72	57.93
23 05 16 00-0241	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	999.74	63.27
23 05 16 00-0242	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,308.63	125.50
23 05 16 00-0243	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,772.80	160.79
23 05 16 00-0244	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,183.19	175.35
23 05 16 00-0245	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,462.16	167.27
23 05 16 00-0246	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,444.62	191.15
23 05 16 00-0247	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,488.59	227.35
23 05 16 00-0248	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	6,263.51	284.69

23 05 16 00-0249 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) *(23 05 16 00-0236)*

23 05 16 00-0250	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	547.04	52.15
23 05 16 00-0251	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	616.17	55.97
23 05 16 00-0252	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	866.10	57.93
23 05 16 00-0253	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,135.02	63.27
23 05 16 00-0254	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,456.21	125.50
23 05 16 00-0255	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,994.17	160.79
23 05 16 00-0256	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,453.76	175.35
23 05 16 00-0257	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,794.22	167.27
23 05 16 00-0258	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	3,899.66	191.15
23 05 16 00-0259	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,091.21	227.35
23 05 16 00-0260	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	7,112.10	284.69

23 05 16 00-0261 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) *(23 05 16 00-0236)*

23 05 16 00-0262	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	608.53	52.15
23 05 16 00-0263	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	788.37	55.97
23 05 16 00-0264	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,025.98	57.93
23 05 16 00-0265	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,380.99	63.27
23 05 16 00-0266	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,800.57	125.50
23 05 16 00-0267	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,326.23	160.79
23 05 16 00-0268	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,105.57	175.35
23 05 16 00-0269	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,347.65	167.27
23 05 16 00-0270	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,141.80	191.15
23 05 16 00-0271	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	6,874.47	227.35
23 05 16 00-0272	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	8,600.21	284.69

23 05 16 00-0273 Mercer Rubber, Series 450 *(23 05 16 00-0096)*

23 05 16 00-0274 Expansion Joints, 2 Arch (452) *(23 05 16 00-0273)*

23 05 16 00-0275	EA	1-1/2" x 12" Expansion Joints, 2 Arch	606.97	55.97
23 05 16 00-0276	EA	2" x 12" Expansion Joints, 2 Arch	684.70	57.93
23 05 16 00-0277	EA	2-1/2" x 12" Expansion Joints, 2 Arch	759.92	63.27
23 05 16 00-0278	EA	3" x 12" Expansion Joints, 2 Arch	967.35	125.50
23 05 16 00-0279	EA	4" x 12" Expansion Joints, 2 Arch	1,087.17	160.79
23 05 16 00-0280	EA	6" x 12" Expansion Joints, 2 Arch	1,226.17	167.27
23 05 16 00-0281	EA	8" x 12" Expansion Joints, 2 Arch	1,372.34	191.15
23 05 16 00-0282	EA	10" x 14" Expansion Joints, 2 Arch	1,887.47	227.35
23 05 16 00-0283	EA	12" x 14" Expansion Joints, 2 Arch	2,199.31	284.89
23 05 16 00-0284	EA	14" x 14" Expansion Joints, 2 Arch	2,622.38	288.90
23 05 16 00-0285	EA	16" x 14" Expansion Joints, 2 Arch	3,149.47	360.29
23 05 16 00-0286	EA	18" x 14" Expansion Joints, 2 Arch	3,507.93	408.80
23 05 16 00-0287	EA	20" x 14" Expansion Joints, 2 Arch	3,979.36	460.05
23 05 16 00-0288	EA	24" x 16" Expansion Joints, 2 Arch	4,742.30	564.83

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0289		Mercer Rubber, Series 502 And 701 *(23 05 16 00-0096)*		
23 05 16 00-0290		2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) *(23 05 16 00-0289)*		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0291	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,026.18	73.19
23 05 16 00-0292	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,075.18	92.72
23 05 16 00-0293	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,147.20	101.14
23 05 16 00-0294	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,205.83	128.37
23 05 16 00-0295	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,499.20	215.48
23 05 16 00-0296	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,780.80	243.99
23 05 16 00-0297	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,851.76	241.73
23 05 16 00-0298	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,190.18	307.78
23 05 16 00-0299	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,559.08	374.68
23 05 16 00-0300	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,967.54	284.69
23 05 16 00-0301	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,682.18	535.25
23 05 16 00-0302	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,314.80	588.78
23 05 16 00-0303	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,776.34	653.01
23 05 16 00-0304	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,421.18	735.97
23 05 16 00-0305	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	6,441.97	903.24
23 05 16 00-0306	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	9,391.16	1,471.95
23 05 16 00-0307	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	11,677.05	1,962.60
23 05 16 00-0308	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	15,314.16	2,943.90
23 05 16 00-0309	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,931.32	3,679.87
23 05 16 00-0310	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	24,087.51	5,299.02
23 05 16 00-0311		2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) *(23 05 16 00-0289)*		
		Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0312	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,124.57	73.19
23 05 16 00-0313	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,173.56	92.72
23 05 16 00-0314	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,257.88	101.14
23 05 16 00-0315	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,316.52	128.37
23 05 16 00-0316	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,597.59	215.48
23 05 16 00-0317	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,928.38	243.99
23 05 16 00-0318	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,974.74	241.73
23 05 16 00-0319	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,374.66	307.78
23 05 16 00-0320	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,755.85	374.68
23 05 16 00-0321	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,176.61	284.69
23 05 16 00-0322	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,965.04	535.25
23 05 16 00-0323	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,646.86	588.78
23 05 16 00-0324	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,145.30	653.01
23 05 16 00-0325	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,839.33	735.97
23 05 16 00-0326	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,933.90	903.24
23 05 16 00-0327	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	10,116.76	1,471.95
23 05 16 00-0328	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	12,537.94	1,962.60
23 05 16 00-0329	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	16,421.01	2,943.90
23 05 16 00-0330	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	19,210.35	3,679.87
23 05 16 00-0331	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	25,833.88	5,299.02
23 05 16 00-0332		2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) *(23 05 16 00-0289)*		
		Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0333	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,161.46	73.19
23 05 16 00-0334	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,247.35	92.72
23 05 16 00-0335	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,319.37	101.14
23 05 16 00-0336	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,390.31	128.37
23 05 16 00-0337	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,695.97	215.48
23 05 16 00-0338	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,002.17	243.99
23 05 16 00-0339	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,097.73	241.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0340	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,473.05	307.78
23 05 16 00-0341	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,878.84	374.68
23 05 16 00-0342	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,324.19	284.69
23 05 16 00-0343	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,112.62	535.25
23 05 16 00-0344	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,843.64	588.78
23 05 16 00-0345	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,366.67	653.01
23 05 16 00-0346	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,134.49	735.97
23 05 16 00-0347	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,204.47	903.24
23 05 16 00-0348	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	10,153.66	1,471.95
23 05 16 00-0349	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	13,029.87	1,962.60
23 05 16 00-0350	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	17,109.72	2,943.90
23 05 16 00-0351	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	19,972.85	3,679.87
23 05 16 00-0352	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	26,866.95	5,299.02

23 05 16 00-0353 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) *(23 05 16 00-0289)*

Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0354	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,222.95	73.19
23 05 16 00-0355	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,271.95	92.72
23 05 16 00-0356	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,356.27	101.14
23 05 16 00-0357	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,451.80	128.37
23 05 16 00-0358	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,745.17	215.48
23 05 16 00-0359	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,100.56	243.99
23 05 16 00-0360	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,196.11	241.73
23 05 16 00-0361	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,571.44	307.78
23 05 16 00-0362	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,001.82	374.68
23 05 16 00-0363	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,496.37	284.69
23 05 16 00-0364	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,284.80	535.25
23 05 16 00-0365	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,065.01	588.78
23 05 16 00-0366	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,612.64	653.01
23 05 16 00-0367	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,405.06	735.97
23 05 16 00-0368	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	7,487.33	903.24
23 05 16 00-0369	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	10,965.35	1,471.95
23 05 16 00-0370	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	13,620.20	1,962.60
23 05 16 00-0371	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	17,798.43	2,943.90
23 05 16 00-0372	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	20,563.17	3,679.87
23 05 16 00-0373	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	27,654.04	5,299.02

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0374		2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) *(23 05 16 00-0289)* Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0375	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,542.71	73.19
23 05 16 00-0376	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,665.50	92.72
23 05 16 00-0377	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,774.42	101.14
23 05 16 00-0378	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,361.88	128.37
23 05 16 00-0379	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,048.80	215.48
23 05 16 00-0380	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,748.54	243.99
23 05 16 00-0381	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,090.07	241.73
23 05 16 00-0382	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,277.08	307.78
23 05 16 00-0383	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,011.10	374.68
23 05 16 00-0384	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,997.58	284.69
23 05 16 00-0385	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,191.86	535.25
23 05 16 00-0386	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,312.59	588.78
23 05 16 00-0387	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	12,548.93	653.01
23 05 16 00-0388	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	14,767.97	735.97
23 05 16 00-0389	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	19,429.08	903.24
23 05 16 00-0390	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	32,585.94	1,471.95
23 05 16 00-0391	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	40,824.26	1,962.60
23 05 16 00-0392	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	53,119.44	2,943.90
23 05 16 00-0393	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	61,910.39	3,679.87
23 05 16 00-0394	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	81,644.02	5,299.02
23 05 16 00-0395		Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0289)* Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.		
23 05 16 00-0396	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)	991.28	55.97
		For Hypalon Tube And Cover, Add	*17.59*	
		For Viton Tube And Cover, Add	*879.34*	
23 05 16 00-0397	EA	2" Teflon Lined Expansion Joint (Mercer 701)	1,167.41	57.93
		For Hypalon Tube And Cover, Add	*21.03*	
		For Viton Tube And Cover, Add	*1,051.51*	
23 05 16 00-0398	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,334.84	63.27
		For Hypalon Tube And Cover, Add	*24.17*	
		For Viton Tube And Cover, Add	*1,208.32*	
23 05 16 00-0399	EA	3" Teflon Lined Expansion Joint (Mercer 701)	1,591.60	125.50
		For Hypalon Tube And Cover, Add	*26.81*	
		For Viton Tube And Cover, Add	*1,340.53*	
23 05 16 00-0400	EA	4" Teflon Lined Expansion Joint (Mercer 701)	1,945.15	160.87
		For Hypalon Tube And Cover, Add	*32.47*	
		For Viton Tube And Cover, Add	*1,623.39*	
23 05 16 00-0401	EA	5" Teflon Lined Expansion Joint (Mercer 701)	2,333.59	175.20
		For Hypalon Tube And Cover, Add	*39.66*	
		For Viton Tube And Cover, Add	*1,983.12*	
23 05 16 00-0402	EA	6" Teflon Lined Expansion Joint (Mercer 701)	2,480.61	167.27
		For Hypalon Tube And Cover, Add	*42.92*	
		For Viton Tube And Cover, Add	*2,146.07*	
23 05 16 00-0403	EA	8" Teflon Lined Expansion Joint (Mercer 701)	2,989.27	191.02
		For Hypalon Tube And Cover, Add	*52.15*	
		For Viton Tube And Cover, Add	*2,607.26*	
23 05 16 00-0404	EA	10" Teflon Lined Expansion Joint (Mercer 701)	3,784.50	227.35
		For Hypalon Tube And Cover, Add	*66.60*	
		For Viton Tube And Cover, Add	*3,329.79*	
23 05 16 00-0405	EA	12" Teflon Lined Expansion Joint (Mercer 701)	4,846.54	284.89
		For Hypalon Tube And Cover, Add	*85.54*	
		For Viton Tube And Cover, Add	*4,276.77*	
23 05 16 00-0406	EA	14" Teflon Lined Expansion Joint (Mercer 701)	5,485.26	289.11
		For Hypalon Tube And Cover, Add	*98.14*	
		For Viton Tube And Cover, Add	*4,907.06*	
23 05 16 00-0407	EA	16" Teflon Lined Expansion Joint (Mercer 701)	6,808.25	360.29
		For Hypalon Tube And Cover, Add	*121.75*	
		For Viton Tube And Cover, Add	*6,087.71*	
23 05 16 00-0408	EA	18" Teflon Lined Expansion Joint (Mercer 701)	7,573.69	409.41
		For Hypalon Tube And Cover, Add	*135.10*	
		For Viton Tube And Cover, Add	*6,754.90*	
23 05 16 00-0409	EA	20" Teflon Lined Expansion Joint (Mercer 701)	8,890.77	459.18
		For Hypalon Tube And Cover, Add	*159.45*	
		For Viton Tube And Cover, Add	*7,972.44*	
23 05 16 00-0410	EA	24" Teflon Lined Expansion Joint (Mercer 701)	11,664.86	565.63
		For Hypalon Tube And Cover, Add	*210.67*	
		For Viton Tube And Cover, Add	*10,533.58*	
23 05 16 00-0411		Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0096)*		
23 05 16 00-0412		Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*		
23 05 16 00-0413	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	46.73	
23 05 16 00-0414	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	59.03	
23 05 16 00-0415	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	66.41	
23 05 16 00-0416	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	71.33	
23 05 16 00-0417	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	105.77	
23 05 16 00-0418	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	130.36	
23 05 16 00-0419	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	142.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0420	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	157.42	
23 05 16 00-0421	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	201.69	
23 05 16 00-0422	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	238.59	
23 05 16 00-0423	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	319.76	
23 05 16 00-0424	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	344.36	
23 05 16 00-0425	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	368.95	
23 05 16 00-0426	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	405.85	
23 05 16 00-0427	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	504.23	
23 05 16 00-0428	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	627.22	
23 05 16 00-0429	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	762.50	
23 05 16 00-0430	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,082.26	
23 05 16 00-0431	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,291.33	

23 05 16 00-0432 Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*

23 05 16 00-0433	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	122.36	
23 05 16 00-0434	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	154.76	
23 05 16 00-0435	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	179.95	
23 05 16 00-0436	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	215.94	
23 05 16 00-0437	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	215.94	
23 05 16 00-0438	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	233.93	
23 05 16 00-0439	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	269.92	
23 05 16 00-0440	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	395.89	
23 05 16 00-0441	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	773.78	
23 05 16 00-0442	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,061.69	
23 05 16 00-0443	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,583.54	
23 05 16 00-0444	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,781.49	
23 05 16 00-0445	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,375.31	
23 05 16 00-0446	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,537.27	
23 05 16 00-0447	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,861.17	
23 05 16 00-0448	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,192.79	
23 05 16 00-0449	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	6,172.22	
23 05 16 00-0450	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	4,174.79	
23 05 16 00-0451	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	5,488.41	
23 05 16 00-0452	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	8,565.52	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	141.81	33.06
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	192.27	38.61
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	241.85	46.32
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	314.52	69.45
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	378.93	92.57
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	454.72	115.77

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	115.32	33.57
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	151.62	36.39
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	185.65	39.21
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	232.46	47.04
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	353.90	58.75
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	706.15	70.52
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	825.43	88.15
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,119.31	108.46
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,550.36	141.03
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,269.18	176.29

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	87.36	24.13
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	106.60	24.13
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	106.60	24.13

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	125.84	24.13
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	125.84	24.13
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	166.06	24.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	131.09	24.13
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	139.83	24.13
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	171.31	24.13
23 05 19 00-0013		Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	125.84	24.13
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	125.84	24.13
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	166.06	24.13
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	148.57	24.13
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	166.06	24.13
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	170.52	24.13
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	151.10	45.25
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	151.01	45.25
23 05 19 00-0023		Pressure Gauges *(23 05 19)*		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	30.04	9.43
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	40.36	9.43
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	396.04	9.43
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	396.04	9.43
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	524.14	9.43
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	1,278.53	9.43
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	142.92	9.43
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	341.32	9.43
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	331.90	9.43
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	331.90	9.43
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	331.90	9.43
23 05 19 00-0039		Polypropylene Case, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0023)*		
23 05 19 00-0040		Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*		
23 05 19 00-0041	EA	4-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	233.54	9.43
23 05 19 00-0042	EA	4-1/2" Diameter Liquid Filled Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	312.70	9.43
23 05 19 00-0043	EA	6" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge	378.29	9.43
23 05 19 00-0044		Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*		
23 05 19 00-0045	EA	2-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge	132.77	9.43
23 05 19 00-0046	EA	2-1/2" Diameter Liquid Filled, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge	99.58	9.43
23 05 19 00-0047		Gauge Accessories *(23 05 19 00-0023)*		
23 05 19 00-0048	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	84.53	7.55
23 05 19 00-0049	EA	1/4" Diameter, Snubber Valve	45.81	7.55
23 05 19 00-0050	EA	1/4" Female Pipe Thread, Brass Gauge Cock	27.76	11.31
23 05 19 00-0051	EA	1/4" Male Pipe Thread, Brass Gauge Cock	22.36	11.31
23 05 19 00-0052	EA	1/4" Pressure Pigtail Steam Siphon	27.38	11.31
23 05 19 00-0053	EA	1/4" x 3" Long Black Steel Nipple	5.26	3.77
23 05 19 00-0054	EA	1/4" Steel Thread-O-Let	45.95	18.85
23 05 19 00-0055	EA	1/4", 300 Lb., Black Steel Union	55.84	7.55
23 05 19 00-0056	EA	1/4" Black Steel Coupling	16.59	7.55
23 05 19 00-0057	EA	1/4", 300 Lb., Black Steel Plug	9.40	4.53
23 05 19 00-0058	EA	1/4", 150 Lb., Black Steel Cap	9.90	4.53
23 05 19 00-0059	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	7.31	2.49
23 05 19 00-0060	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	6.36	2.49
23 05 19 00-0061	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	7.02	
23 05 19 00-0062	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	105.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0063		Valve Lock Covers *(23 05 19)*		
23 05 19 00-0064	EA	Valve Lock Cover	81.12	11.54
23 05 19 00-0065		Sight Flow Indicator *(23 05 19)*		
23 05 19 00-0066		Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0065)*		
23 05 19 00-0067	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	168.26	10.97
23 05 19 00-0068	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	175.60	11.55
23 05 19 00-0069	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	190.45	12.13
23 05 19 00-0070	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	208.83	16.35
23 05 19 00-0071	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	249.21	19.81
23 05 19 00-0072	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	278.38	25.10
23 05 19 00-0073	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	405.15	29.01
23 05 19 00-0074	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	445.44	34.28
23 05 19 00-0075		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0065)*		
23 05 19 00-0076	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	224.06	10.97
23 05 19 00-0077	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	230.16	11.55
23 05 19 00-0078	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	248.73	12.13
23 05 19 00-0079	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	258.43	16.35
23 05 19 00-0080	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	270.29	19.81
23 05 19 00-0081	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	287.06	25.10
23 05 19 00-0082	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	573.78	29.01
23 05 19 00-0083	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	609.12	34.28
23 05 19 00-0084		Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator *(23 05 19 00-0065)*		
23 05 19 00-0085	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	331.94	10.97
23 05 19 00-0086	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	350.44	11.55
23 05 19 00-0087	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	381.41	12.13
23 05 19 00-0088	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	409.70	16.35
23 05 19 00-0089	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	468.68	19.81
23 05 19 00-0090	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	489.17	25.10
23 05 19 00-0091	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,020.16	29.01
23 05 19 00-0092	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,067.90	34.28
23 05 19 00-0093		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators *(23 05 19 00-0065)*		
23 05 19 00-0094	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	220.34	10.97
23 05 19 00-0095	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	228.92	11.55
23 05 19 00-0096	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	242.53	12.13
23 05 19 00-0097	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	257.19	16.35
23 05 19 00-0098	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	269.05	19.81
23 05 19 00-0099	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	287.06	25.10
23 05 19 00-0100	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	566.34	29.01
23 05 19 00-0101	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	599.20	34.28
23 05 19 00-0102		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0065)*		
23 05 19 00-0103	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	329.46	10.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0104	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	355.40	11.55
23 05 19 00-0105	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	388.85	12.13
23 05 19 00-0106	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	409.70	16.35
23 05 19 00-0107	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	468.68	19.81
23 05 19 00-0108	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	494.13	25.10
23 05 19 00-0109	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,020.16	29.01
23 05 19 00-0110	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,067.90	34.28
23 05 19 00-0111		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0065)*		
23 05 19 00-0112	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	478.60	19.81
23 05 19 00-0113	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	533.81	25.10
23 05 19 00-0114	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	606.02	29.01
23 05 19 00-0115	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	678.56	34.28
23 05 19 00-0116		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0065)*		
23 05 19 00-0117	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,044.60	79.12
23 05 19 00-0118	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,155.36	100.44
23 05 19 00-0119	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,730.56	118.06
23 05 19 00-0120	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,592.16	197.93
23 05 19 00-0121	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,255.68	225.01
23 05 19 00-0122		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0065)*		
23 05 19 00-0123	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	805.13	56.51
23 05 19 00-0124	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	952.34	65.93
23 05 19 00-0125	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,019.18	79.12
23 05 19 00-0126	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,276.25	100.44
23 05 19 00-0127	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,878.73	118.06
23 05 19 00-0128	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,752.73	197.93
23 05 19 00-0129		Venturi Flowmeters *(23 05 19)*		
23 05 19 00-0130		Threaded, Brass, Venturi Flowmeters *(23 05 19 00-0129)*		
23 05 19 00-0131	EA	3/4" Threaded, Brass, Venturi Flowmeter	289.57	51.29
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0132	EA	1" Threaded, Brass, Venturi Flowmeter	315.67	61.55
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0133	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	347.74	68.41
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0134	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	392.05	76.93
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0135	EA	2" Threaded, Brass, Venturi Flowmeter	469.82	87.94
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0136	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	628.06	116.88
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0137		Butt Weld, Carbon Steel, Venturi Flowmeters *(23 05 19 00-0129)*		
23 05 19 00-0138	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,296.58	105.78
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*379.76*	
23 05 19 00-0139	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,809.07	126.94
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*544.32*	
23 05 19 00-0140	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,378.88	158.66
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*721.54*	
23 05 19 00-0141	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	2,810.15	211.56
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*835.46*	
23 05 19 00-0142	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	4,160.64	253.87
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,278.52*	
23 05 19 00-0143	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	6,891.63	317.34
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,189.93*	
23 05 19 00-0144	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	10,343.00	433.59
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,316.54*	
23 05 19 00-0145	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	14,465.65	650.37
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,607.72*	
23 05 19 00-0146	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	21,879.82	722.64
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,152.09*	
23 05 19 00-0147		Turbine Flowmeter *(23 05 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0148	EA	Saddle Mount Turbine Flowmeter	933.31	56.56
23 05 19 00-0149		**Flowmeters** *(23 05 19)*		
23 05 19 00-0150		**Polyvinyl Chloride (PVC) Turbine Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0151	EA	2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,750.37	129.65
23 05 19 00-0152	EA	3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,081.58	138.25
23 05 19 00-0153	EA	4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,407.03	144.05
23 05 19 00-0154	EA	6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,043.09	148.13
23 05 19 00-0155	EA	2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,773.78	100.54
23 05 19 00-0156	EA	3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,200.95	128.22
23 05 19 00-0157	EA	4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,702.24	214.95
23 05 19 00-0158	EA	6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,558.29	271.51
23 05 19 00-0159	EA	2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,958.96	129.65
		For Analog Output, Add	*75.00*	
23 05 19 00-0160	EA	3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,290.17	138.25
		For Analog Output, Add	*75.00*	
23 05 19 00-0161	EA	4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,615.62	144.05
		For Analog Output, Add	*75.00*	
23 05 19 00-0162	EA	6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	4,251.68	148.13
		For Analog Output, Add	*75.00*	
23 05 19 00-0163	EA	2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,982.37	100.54
		For Analog Output, Add	*75.00*	
23 05 19 00-0164	EA	3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,409.54	128.22
		For Analog Output, Add	*75.00*	
23 05 19 00-0165	EA	4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,910.83	214.95
		For Analog Output, Add	*75.00*	
23 05 19 00-0166	EA	6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	4,766.88	271.51
		For Analog Output, Add	*75.00*	
23 05 19 00-0167	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,645.04	129.65
23 05 19 00-0168	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,976.25	138.25
23 05 19 00-0169	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,301.70	144.05
23 05 19 00-0170	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,937.76	148.13
23 05 19 00-0171	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,802.00	129.72
23 05 19 00-0172	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,211.69	138.40
23 05 19 00-0173	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,615.62	144.05
23 05 19 00-0174	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	4,408.64	148.20
23 05 19 00-0175	EA	2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,241.49	129.65
23 05 19 00-0176	EA	3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,572.70	138.25
23 05 19 00-0177	EA	4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,898.15	144.05
23 05 19 00-0178	EA	6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,534.21	148.13
23 05 19 00-0179	EA	2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,264.90	100.54
23 05 19 00-0180	EA	3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,692.07	128.22
23 05 19 00-0181	EA	4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,193.36	214.95
23 05 19 00-0182	EA	6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	5,049.41	271.51
23 05 19 00-0183		**Flanged, Main Line Flowmeters** *(23 05 19 00-0149)*		
		Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.		
23 05 19 00-0184		**150 Lb., Flanged, Main Line Flow Meters** *(23 05 19 00-0183)*		
23 05 19 00-0185	EA	2" x 14" Long, 150 Lb., Flanged, Main Line Flow Meter	3,940.60	100.54
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0186	EA	2-1/2" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	3,952.03	109.70
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0187	EA	3" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	3,975.37	128.37
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0188	EA	4" x 20" Long, 150 Lb., Flanged, Main Line Flow Meter	4,795.05	215.48
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0189	EA	6" x 22" Long, 150 Lb., Flanged, Main Line Flow Meter	5,586.09	271.51
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0190	EA	8" x 24" Long, 150 Lb., Flanged, Main Line Flow Meter	6,702.17	346.94
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0191	EA	10" x 26" Long, 150 Lb., Flanged, Main Line Flow Meter	8,333.73	415.59
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0192	EA	12" x 28" Long, 150 Lb., Flanged, Main Line Flow Meter	9,573.10	504.65
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0193	EA	14" x 42" Long, 150 Lb., Flanged, Main Line Flow Meter	11,709.96	593.70
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0194	EA	16" x 48" Long, 150 Lb., Flanged, Main Line Flow Meter	13,268.74	653.08
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0195	EA	18" x 54" Long, 150 Lb., Flanged, Main Line Flow Meter	14,855.86	724.32
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0196	EA	20" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	17,112.28	816.34
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0197	EA	24" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	22,828.11	1,001.87
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0198	EA	30" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	28,889.09	1,632.68
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0199	EA	36" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	34,931.83	2,176.91
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0200		**300 Lb., Flanged, Main Line Flow Meters** *(23 05 19 00-0183)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0201	EA	2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,471.44	100.57
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0202	EA	2-1/2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,482.87	109.70
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0203	EA	3" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,506.21	128.37
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0204	EA	4" x 24" Long, 300 Lb., Flanged, Main Line Flow Meter	5,204.43	214.95
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0205	EA	6" x 26" Long, 300 Lb., Flanged, Main Line Flow Meter	6,287.89	271.51
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0206	EA	8" x 28" Long, 300 Lb., Flanged, Main Line Flow Meter	7,840.34	346.94
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0207	EA	10" x 30" Long, 300 Lb., Flanged, Main Line Flow Meter	10,565.09	415.59
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0208	EA	12" x 32" Long, 300 Lb., Flanged, Main Line Flow Meter	13,379.00	504.65
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0209	EA	14" x 42" Long, 300 Lb., Flanged, Main Line Flow Meter	16,019.72	593.70
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0210	EA	16" x 48" Long, 300 Lb., Flanged, Main Line Flow Meter	18,442.25	653.08
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0211		**Adjustable, Insertion Turbine Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0212	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,322.42	75.42
23 05 19 00-0213	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,412.40	75.42
23 05 19 00-0214	EA	For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	2,797.13	150.84
23 05 19 00-0215	EA	For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	2,962.53	75.42
23 05 19 00-0216	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,952.24	75.42
23 05 19 00-0217	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	4,042.22	75.42
23 05 19 00-0218		**Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0149)* Note: AWWA C-701, Class II.		
23 05 19 00-0219		**Meters With Mechanical Display** *(23 05 19 00-0218)*		
23 05 19 00-0220	EA	2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	2,904.49	129.72
23 05 19 00-0221	EA	3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	3,601.08	138.40
23 05 19 00-0222	EA	4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	4,593.33	144.05
23 05 19 00-0223	EA	6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	6,594.47	148.20
23 05 19 00-0224	EA	8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	9,353.80	160.27
23 05 19 00-0225		**Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0218)*		
23 05 19 00-0226	EA	2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	3,237.39	129.72
23 05 19 00-0227	EA	3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	3,942.98	138.40
23 05 19 00-0228	EA	4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	4,980.21	144.05
23 05 19 00-0229	EA	6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	6,945.37	148.20
23 05 19 00-0230	EA	8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	9,682.20	160.27
23 05 19 00-0231		**Bronze High-Volume Turbine Meters** *(23 05 19 00-0149)* Note: AWWA C-701, Class II.		
23 05 19 00-0232		**Mechanical Display, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0233	EA	1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	2,205.61	113.13
23 05 19 00-0234	EA	2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	2,544.59	129.72
23 05 19 00-0235	EA	3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	3,902.49	138.40
23 05 19 00-0236	EA	4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	5,830.47	144.05
23 05 19 00-0237	EA	6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	10,643.30	148.20
23 05 19 00-0238		**Electrical Output, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0239	EA	1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter	2,547.51	113.13
23 05 19 00-0240	EA	2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter	2,890.99	129.72
23 05 19 00-0241	EA	3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter	4,244.39	138.40
23 05 19 00-0242	EA	4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter	6,172.37	144.05
23 05 19 00-0243	EA	6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter	11,264.12	148.20
23 05 19 00-0244		**Multi-Jet Meters** *(23 05 19 00-0149)*		
23 05 19 00-0245		**Hostile Environment Multi-Jet Meters** *(23 05 19 00-0244)* Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.		
23 05 19 00-0246	EA	1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,432.74	23.76
23 05 19 00-0247	EA	3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,668.89	31.30
23 05 19 00-0248	EA	1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter)	2,051.23	35.83
23 05 19 00-0249	EA	1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter)	3,450.30	47.14
23 05 19 00-0250	EA	2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter)	4,934.86	53.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0251		**High-Pressure Multi-Jet Meters** *(23 05 19 00-0244)* Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.		
23 05 19 00-0252	EA	3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter)	4,314.12	31.30
23 05 19 00-0253	EA	1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter)	6,181.03	35.83
23 05 19 00-0254	EA	1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter)	11,282.54	47.14
23 05 19 00-0255	EA	2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter)	14,305.65	53.93
23 05 19 00-0256		**Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters** *(23 05 19 00-0149)*		
23 05 19 00-0257	EA	3", 45 To 250 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	5,042.01	254.38
23 05 19 00-0258	EA	4", 55 To 500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	5,442.86	214.95
23 05 19 00-0259	EA	6", 120 To 1,200 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	5,963.99	271.51
23 05 19 00-0260	EA	8", 150 To 1,500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	7,403.96	346.94
23 05 19 00-0261		**In-Line Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0262		**Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton** *(23 05 19 00-0261)*		
23 05 19 00-0263	EA	3/4" In Line Flowmeter	524.48	31.30
23 05 19 00-0264	EA	1" In Line Flowmeter	533.53	35.83
23 05 19 00-0265	EA	1-1/2" In Line Flowmeter	795.44	47.14
23 05 19 00-0266	EA	3/4" In Line Flowmeter With SPDP Switch	730.66	31.30
23 05 19 00-0267	EA	1" In Line Flowmeter With SPDP Switch	739.71	35.83
23 05 19 00-0268	EA	1-1/2" In Line Flowmeter With SPDP Switch	1,096.58	47.14
23 05 19 00-0269		**Water Flow Switches** *(23 05 19)*		
23 05 19 00-0270	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	274.90	22.25
23 05 19 00-0271	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	286.24	22.25
23 05 19 00-0272	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	382.02	22.25
23 05 19 00-0273	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	396.52	22.25
23 05 19 00-0274	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	300.75	22.25
23 05 19 00-0275	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	313.97	22.25
23 05 19 00-0276	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	407.86	22.25
23 05 19 00-0277	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	421.08	22.25
23 05 19 00-0278	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	846.98	22.25
23 05 19 00-0279	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	859.80	22.25
23 05 19 00-0280	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	981.54	22.25
23 05 19 00-0281	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	999.16	22.25
23 05 19 00-0282	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	877.42	22.25
23 05 19 00-0283	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	895.04	22.25
23 05 19 00-0284	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,011.98	22.25
23 05 19 00-0285	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,031.20	22.25

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001		**Gate Valves** *(23 05 23)*		
23 05 23 00-0002		**Class 125 Threaded, Bronze Gate Valves** *(23 05 23 00-0001)* Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	55.46	7.54
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	56.60	7.54
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	57.81	7.54
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	72.74	8.29
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For Work In Restricted Working Space, Add	*9.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	100.05	9.42
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	131.66	10.02
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	160.57	11.60
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	208.70	13.72
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	492.46	18.54
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	584.82	21.53
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,260.21	24.31
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
		For Work In Restricted Working Space, Add	*36.46*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	255.87	11.60
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	402.92	13.72
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	595.57	18.54
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	766.76	21.53
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,897.97	24.31
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*36.46*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	707.09	79.12
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*657.52*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*29.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	761.40	100.44
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*698.61*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	889.13	100.70
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*826.00*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,101.29	118.06
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,027.41*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,519.47	197.93
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,395.46*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,905.46	202.50
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,779.09*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*75.82*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,316.15	225.01
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,175.02*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,726.31	287.51
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,547.74*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,887.04	350.01
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,668.29*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,887.11	425.01
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,621.95*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*159.10*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	543.09	11.60
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	695.65	13.72
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	799.79	18.54
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	887.15	21.53
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,199.03	24.31
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	
		For Work In Restricted Working Space, Add	*36.46*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	975.54	79.12
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
		For Work In Restricted Working Space, Add	*29.74*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,028.02	100.44
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,058.16	100.70
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,173.09	118.06
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,491.49	197.93
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,987.64	202.50
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
		For Work In Restricted Working Space, Add	*75.82*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,263.58	225.01
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,708.10	287.51
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,594.62	350.01
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,066.52	425.01
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
		For Work In Restricted Working Space, Add	*159.10*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	14,715.24	621.48
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For Work In Restricted Working Space, Add	*233.06*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	19,394.01	683.63
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For Work In Restricted Working Space, Add	*256.36*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	26,903.34	758.21
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For Work In Restricted Working Space, Add	*284.33*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	34,434.53	854.54
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For Work In Restricted Working Space, Add	*320.45*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	47,340.55	1,048.76
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For Work In Restricted Working Space, Add	*393.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	99,949.25	1,709.09
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For Work In Restricted Working Space, Add	*640.91*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	127,128.40	2,278.78
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For Work In Restricted Working Space, Add	*854.54*	
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	148,567.80	2,859.65
		For 150 Lb. Rating, Add	*21,748.99*	
		For 175 Lb. Rating, Add	*44,947.90*	
		For 250 Lb. Rating, Add	*94,245.61*	
		For Work In Restricted Working Space, Add	*1,072.37*	
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	178,357.80	3,574.56
		For 150 Lb. Rating, Add	*26,083.44*	
		For 175 Lb. Rating, Add	*53,905.78*	
		For 250 Lb. Rating, Add	*113,028.24*	
		For Work In Restricted Working Space, Add	*1,340.46*	
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	214,029.36	4,289.47
		For 150 Lb. Rating, Add	*31,300.13*	
		For 175 Lb. Rating, Add	*64,686.93*	
		For 250 Lb. Rating, Add	*135,633.89*	
		For Work In Restricted Working Space, Add	*1,608.55*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	160.98	7.54
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	163.33	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	190.45	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	231.26	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	359.36	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	425.89	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	538.17	13.72
		For Work In Restricted Working Space, Add	*20.55*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 Lb. WSP.

23 05 23 00-0068	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	39.33	7.54
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0069	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	55.87	8.29
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0070	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	70.85	9.42
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0071	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	102.61	10.02
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0072	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	124.86	11.60
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0073	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	152.30	13.72
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0074	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	488.07	18.54
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*27.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0075	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	563.13	21.53
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0076	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	743.62	24.31
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*36.46*	

23 05 23 00-0077 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0078	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	50.71	7.54
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0079	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	55.52	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0080	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	77.91	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0081	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	100.37	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0082	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	153.99	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0083	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	189.41	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0084	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	249.50	13.72
		For Work In Restricted Working Space, Add	*20.55*	

23 05 23 00-0085 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	555.60	79.12
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*506.03*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*29.74*	
		For Work In Restricted Working Space, Add	*29.74*	
23 05 23 00-0087	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	691.86	100.44
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*629.07*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*37.67*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0088	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,160.72	100.70
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,097.59*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*37.88*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0089	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,266.21	118.06
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,192.33*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*44.33*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0090	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,819.00	197.93
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0091	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,541.70	225.01
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0092	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	7,914.63	287.51
		For Work In Restricted Working Space, Add	*107.15*	

23 05 23 00-0093 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0094	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	30.78	7.54
		For True Union Socket Or Thread Type, Add	*3.87*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0095	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	40.22	8.29
		For True Union Socket Or Thread Type, Add	*4.70*	
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0096	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	50.05	9.42
		For True Union Socket Or Thread Type, Add	*6.24*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0097	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.88	10.02
		For True Union Socket Or Thread Type, Add	*8.10*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0098	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	81.71	11.60
		For True Union Socket Or Thread Type, Add	*12.54*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0099	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	98.77	13.72
		For True Union Socket Or Thread Type, Add	*15.70*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0100	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	157.74	18.54
		For True Union Socket Or Thread Type, Add	*30.92*	
		For Work In Restricted Working Space, Add	*27.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0101	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	217.60	21.53
		For True Union Socket Or Thread Type, Add	*49.91*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0102	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	333.30	24.31
		For True Union Socket Or Thread Type, Add	*91.09*	
		For Work In Restricted Working Space, Add	*36.46*	
23 05 23 00-0103		**Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves** *(23 05 23 00-0066)*		
23 05 23 00-0104	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	78.10	11.30
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*9.87*	
23 05 23 00-0105	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	79.84	11.30
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*10.40*	
23 05 23 00-0106	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	81.66	11.30
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*10.94*	
23 05 23 00-0107	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	97.06	12.44
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*14.74*	
23 05 23 00-0108	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	130.47	14.13
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*17.85*	
23 05 23 00-0109	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	172.50	15.04
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*22.61*	
23 05 23 00-0110	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	216.11	17.40
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*26.08*	
23 05 23 00-0111	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	312.98	20.57
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*30.83*	
23 05 23 00-0112	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	649.06	27.82
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*41.67*	
23 05 23 00-0113	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	970.39	32.29
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*48.08*	
23 05 23 00-0114		**Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valves** *(23 05 23 00-0066)*		
23 05 23 00-0115	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	95.22	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0116	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	134.31	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0117	EA	1" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	175.06	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0118	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	245.27	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0119	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	319.08	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0120	EA	2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	436.01	13.72
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0121	EA	2-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	890.48	18.54
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0122	EA	3" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	1,219.03	21.53
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0123		**Wye Strainer, Union With Two Pressure Ports, Ball Valves** *(23 05 23 00-0066)*		
23 05 23 00-0124	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	166.49	7.54
23 05 23 00-0125	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	212.57	9.79
23 05 23 00-0126	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	275.60	12.06
23 05 23 00-0127	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	378.59	16.58
23 05 23 00-0128	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	476.62	19.29
23 05 23 00-0129	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	634.12	22.61
23 05 23 00-0130		**Plastic Ball Valves** *(23 05 23 00-0066)* Note: Threaded or socket.		
23 05 23 00-0131		**Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0130)*		
23 05 23 00-0132	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	60.41	7.54
23 05 23 00-0133	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	63.09	7.54
23 05 23 00-0134	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	78.85	8.29
23 05 23 00-0135	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	103.79	9.42
23 05 23 00-0136	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	121.81	10.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0137	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	149.27	11.60
23 05 23 00-0138	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	183.01	13.72
23 05 23 00-0139		**Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves** *(23 05 23 00-0130)*		
23 05 23 00-0140	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	96.91	7.54
23 05 23 00-0141	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	97.93	7.54
23 05 23 00-0142	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	121.98	8.29
23 05 23 00-0143	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	150.80	9.42
23 05 23 00-0144	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	232.70	10.02
23 05 23 00-0145	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	257.02	11.60
23 05 23 00-0146	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	309.03	13.72
23 05 23 00-0147		**Viton Liner And Seals, Polypropylene (PP) Ball Valves** *(23 05 23 00-0130)*		
23 05 23 00-0148	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	109.35	7.54
23 05 23 00-0149	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	118.66	7.54
23 05 23 00-0150	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	133.59	8.29
23 05 23 00-0151	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	164.07	9.42
23 05 23 00-0152	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	206.16	10.02
23 05 23 00-0153	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	248.72	11.60
23 05 23 00-0154	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	325.61	13.72
23 05 23 00-0155		**Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves** *(23 05 23 00-0130)*		
23 05 23 00-0156	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	232.10	7.54
23 05 23 00-0157	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	248.05	7.54
23 05 23 00-0158	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	292.83	8.29
23 05 23 00-0159	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	341.56	9.42
23 05 23 00-0160	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	415.17	10.02
23 05 23 00-0161	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	456.07	11.60
23 05 23 00-0162	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	524.67	13.72
23 05 23 00-0163		**Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0130)*		
23 05 23 00-0164	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	36.80	7.54
23 05 23 00-0165	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	49.24	8.29
23 05 23 00-0166	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	59.57	9.42
23 05 23 00-0167	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	85.40	10.02
23 05 23 00-0168	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	93.13	11.60
23 05 23 00-0169	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	114.86	13.72
23 05 23 00-0170		**Plastic, True Union, Ball Valves** *(23 05 23 00-0066)*		
23 05 23 00-0171		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves** *(23 05 23 00-0170)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0172	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	106.03	7.54
23 05 23 00-0173	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	110.37	7.54
23 05 23 00-0174	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	131.93	8.29
23 05 23 00-0175	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	162.41	9.42
23 05 23 00-0176	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	194.55	10.02
23 05 23 00-0177	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	223.84	11.60
23 05 23 00-0178	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	275.85	13.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0179		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves** *(23 05 23 00-0170)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0180	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	107.69	7.54
23 05 23 00-0181	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	126.96	7.54
23 05 23 00-0182	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	133.59	8.29
23 05 23 00-0183	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	162.41	9.42
23 05 23 00-0184	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	191.23	10.02
23 05 23 00-0185	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	222.18	11.60
23 05 23 00-0186	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	275.85	13.72
23 05 23 00-0187		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0170)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0188	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	52.31	7.54
23 05 23 00-0189	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	66.41	8.29
23 05 23 00-0190	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	79.47	9.42
23 05 23 00-0191	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	105.80	10.02
23 05 23 00-0192	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	124.31	11.60
23 05 23 00-0193	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	176.32	13.72
23 05 23 00-0194	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	248.53	18.54
23 05 23 00-0195	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	319.17	21.53
23 05 23 00-0196	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	469.88	24.31
23 05 23 00-0197		**Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves** *(23 05 23 00-0170)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0198	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	63.92	7.54
23 05 23 00-0199	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	82.99	8.29
23 05 23 00-0200	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	102.69	9.42
23 05 23 00-0201	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	146.44	10.02
23 05 23 00-0202	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	159.15	11.60
23 05 23 00-0203	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	207.84	13.72
23 05 23 00-0204	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	374.60	18.54
23 05 23 00-0205	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	438.60	21.53
23 05 23 00-0206	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	702.11	24.31
23 05 23 00-0207		**Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0170)*		
23 05 23 00-0208		**Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0207)*		
23 05 23 00-0209	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	51.39	7.54
23 05 23 00-0210	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	52.53	7.54
23 05 23 00-0211	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	53.55	7.54
23 05 23 00-0212	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.40	8.29
23 05 23 00-0213	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	82.41	9.42
23 05 23 00-0214	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	101.94	10.02
23 05 23 00-0215	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	123.27	11.60
23 05 23 00-0216	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	158.08	13.72
23 05 23 00-0217	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	314.05	18.54
23 05 23 00-0218	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	347.37	21.53
23 05 23 00-0219	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	495.59	24.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0220		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0207)*		
23 05 23 00-0221	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	51.39	7.54
23 05 23 00-0222	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	52.53	7.54
23 05 23 00-0223	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	53.55	7.54
23 05 23 00-0224	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.40	8.29
23 05 23 00-0225	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	82.41	9.42
23 05 23 00-0226	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	101.94	10.02
23 05 23 00-0227	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	123.27	11.60
23 05 23 00-0228	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	158.08	13.72
23 05 23 00-0229	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	314.05	18.54
23 05 23 00-0230	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	347.37	21.53
23 05 23 00-0231	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	495.59	24.31
23 05 23 00-0232		Three Piece Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0233		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0232)*		
23 05 23 00-0234	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	91.76	7.54
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0235	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	92.90	7.54
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0236	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	105.22	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0237	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	132.07	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0238	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	170.08	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0239	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	237.69	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0240	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	300.65	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0241	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	508.23	13.72
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0242	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,122.84	19.67
		For Work In Restricted Working Space, Add	*30.13*	
23 05 23 00-0243		Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0232)*		
23 05 23 00-0244	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	108.60	7.54
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0245	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	119.51	7.54
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0246	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	126.94	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0247	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	206.32	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0248	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	264.96	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0249	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	407.28	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0250	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	521.94	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0251	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	683.05	13.72
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0252		Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0232)*		
23 05 23 00-0253	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	302.14	7.54
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0254	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	324.15	7.54
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0255	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	341.69	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0256	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	497.35	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0257	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	606.51	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0258	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	705.81	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0259	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	951.15	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0260	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,242.38	13.72
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0261	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,307.99	23.36
		For Work In Restricted Working Space, Add	*34.78*	
23 05 23 00-0262		Globe Valves *(23 05 23)*		
23 05 23 00-0263		Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves *(23 05 23 00-0262)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0264	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	62.44	7.54
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0265	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	60.09	7.54
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0266	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	80.02	7.54
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0267	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	81.23	7.54
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*72.34*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0268	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	94.48	7.91
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*81.00*	
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0269	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	123.07	7.91
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*107.62*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0270	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	194.29	10.02
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*178.56*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0271	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	263.85	11.60
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*249.66*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0272	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	310.54	13.72
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*293.64*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0273	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	336.63	18.54
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0274	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	653.56	21.53
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*32.05*	

23 05 23 00-0275 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0262)*

23 05 23 00-0276	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	493.75	13.72
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*20.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0277	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	608.05	18.54
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0278	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	725.38	21.53
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0279	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	946.22	24.31
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*36.45*	
23 05 23 00-0280		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0262)*		
23 05 23 00-0281	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	646.42	100.44
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0282	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	761.20	100.70
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0283	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	909.68	118.06
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0284	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,263.92	197.93
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0285	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,665.46	202.50
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*75.82*	
23 05 23 00-0286	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,068.00	225.01
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0287	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,103.22	287.51
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-0288	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,620.11	350.01
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-0289	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,444.94	425.01
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*159.10*	
23 05 23 00-0290		Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0262)*		
23 05 23 00-0291	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	53.19	7.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0292	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	50.84	7.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0293	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	51.98	7.54
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*6.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0294	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	55.12	7.54
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0295	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	75.50	7.91
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0296	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	95.74	7.91
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0297	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	133.54	10.02
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0298	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	155.09	11.60
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0299	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	214.79	13.72
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0300	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	364.35	20.12
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*30.14*	
23 05 23 00-0301	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	562.83	23.36
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*34.78*	

23 05 23 00-0302 Flanged, 125 Lb., Iron Body, Angle Globe Valves *(23 05 23 00-0262)*

23 05 23 00-0303	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,465.61	100.44
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0304	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,711.09	100.70
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0305	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,015.35	118.06
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0306	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,915.48	197.93
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0307	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,033.32	202.50
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*75.82*	
23 05 23 00-0308	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,062.84	225.01
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0309	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	9,713.69	287.51
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*107.15*	

23 05 23 00-0310 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0262)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0311	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	206.76	12.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0312	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	209.11	12.20
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0313	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	243.01	16.43
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0314	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	300.77	19.81
		For Work In Restricted Working Space, Add	*11.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0315	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	497.85	25.10
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0316	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	598.84	29.01
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0317	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	765.37	34.28
		For Work In Restricted Working Space, Add	*20.55*	

23 05 23 00-0318 Polyvinyl Chloride (PVC), Angle Globe Valves *(23 05 23 00-0262)*

23 05 23 00-0319	EA	1/4" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	50.90	12.06
23 05 23 00-0320	EA	1/2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	67.82	12.06
23 05 23 00-0321	EA	3/4" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	84.24	16.58
23 05 23 00-0322	EA	1" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	101.23	19.96
23 05 23 00-0323	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	150.02	25.24
23 05 23 00-0324	EA	2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	187.40	29.01

23 05 23 00-0325 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0326 Straight Pattern, Triple Duty Valves *(23 05 23 00-0325)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0327	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	297.19	7.91
23 05 23 00-0328	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	341.76	10.02
23 05 23 00-0329	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	368.96	11.60
23 05 23 00-0330	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	971.16	100.44
23 05 23 00-0331	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,103.06	100.70
23 05 23 00-0332	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,202.30	118.06
23 05 23 00-0333	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,493.18	197.93
23 05 23 00-0334	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	2,901.24	202.50
23 05 23 00-0335	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	3,897.83	225.01
23 05 23 00-0336	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,265.39	287.51
23 05 23 00-0337	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,543.39	350.01

23 05 23 00-0338 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0325)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0339	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	946.86	100.44
23 05 23 00-0340	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,073.90	100.70
23 05 23 00-0341	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,178.00	118.06
23 05 23 00-0342	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,430.01	197.93
23 05 23 00-0343	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,823.49	202.50
23 05 23 00-0344	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,168.89	225.01
23 05 23 00-0345	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	4,920.35	287.51
23 05 23 00-0346	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,604.39	350.01

23 05 23 00-0347 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0325)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0348	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,095.39	118.06
23 05 23 00-0349	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,211.32	197.93
23 05 23 00-0350	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,575.65	202.50
23 05 23 00-0351	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,455.60	225.01
23 05 23 00-0352	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,662.79	287.51
23 05 23 00-0353	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,537.44	350.01
23 05 23 00-0354	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,435.30	425.01
23 05 23 00-0355	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,913.10	500.01
23 05 23 00-0356	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,498.00	550.01

23 05 23 00-0357 Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0325)*

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0358	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,096.62	18.61
23 05 23 00-0359	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,306.78	22.22
23 05 23 00-0360	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,523.16	24.10
23 05 23 00-0361	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,541.95	25.98
23 05 23 00-0362	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,938.99	31.87
23 05 23 00-0363	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,919.81	40.87
23 05 23 00-0364	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,335.63	51.88
23 05 23 00-0365	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,446.08	58.12
23 05 23 00-0366	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,434.83	70.88

23 05 23 00-0367 Plug Valves *(23 05 23)*

23 05 23 00-0368 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated *(23 05 23 00-0367)*

Note: Includes wrench.

23 05 23 00-0369	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	294.63	7.54
23 05 23 00-0370	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	303.09	8.29
23 05 23 00-0371	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	384.46	9.42
23 05 23 00-0372	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	458.48	10.02
23 05 23 00-0373	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	502.07	11.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0374	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	592.60	13.72
23 05 23 00-0375	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	895.30	18.54
23 05 23 00-0376	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,099.87	21.53
23 05 23 00-0377		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0367)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0378	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	681.77	100.44
23 05 23 00-0379	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	858.91	100.70
23 05 23 00-0380	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,068.35	118.06
23 05 23 00-0381	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,494.67	197.93
23 05 23 00-0382	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,607.90	225.01
23 05 23 00-0383	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,348.67	287.51
23 05 23 00-0384	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,422.10	350.01
23 05 23 00-0385	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	15,685.57	425.01
23 05 23 00-0386		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0367)*		
23 05 23 00-0387	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,180.58	7.54
23 05 23 00-0388	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,392.21	8.29
23 05 23 00-0389	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,572.17	9.42
23 05 23 00-0390	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,884.56	10.02
23 05 23 00-0391	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,194.95	11.60
23 05 23 00-0392	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,892.74	13.72
23 05 23 00-0393		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0367)*		
23 05 23 00-0394	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,080.71	197.93
23 05 23 00-0395	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,710.10	225.01
23 05 23 00-0396	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,347.41	287.51
23 05 23 00-0397	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,383.30	350.01
23 05 23 00-0398	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,396.14	425.01
23 05 23 00-0399		**Foot Valves** *(23 05 23)*		
23 05 23 00-0400		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0399)*		
23 05 23 00-0401	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	77.71	18.85
23 05 23 00-0402	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	89.02	21.12
23 05 23 00-0403	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	118.46	24.13
23 05 23 00-0404	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	161.21	27.15
23 05 23 00-0405	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	389.99	44.50
23 05 23 00-0406	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	502.38	54.31
23 05 23 00-0407		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0399)*		
23 05 23 00-0408	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	77.71	18.85
23 05 23 00-0409	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	191.80	21.12
23 05 23 00-0410	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	177.75	24.13
23 05 23 00-0411	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	248.13	27.15
23 05 23 00-0412	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	497.76	44.50
23 05 23 00-0413	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	685.25	53.55
23 05 23 00-0414		**Foot Valves, Buna-N-Ring And Stainless Steel Screen, SSI Model** *(23 05 23 00-0399)*		
23 05 23 00-0415		**Flanged Cast Iron Foot Valves, ASTM A126 Grade B (SSI 125FVIB)** *(23 05 23 00-0414)*		
23 05 23 00-0416	EA	2" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,205.55	46.30
23 05 23 00-0417	EA	2-1/2" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,440.95	50.51
23 05 23 00-0418	EA	3" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,780.05	59.11
23 05 23 00-0419	EA	4" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	2,198.41	99.21
23 05 23 00-0420	EA	6" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	3,446.40	125.45
23 05 23 00-0421	EA	8" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	4,779.90	158.74
23 05 23 00-0422	EA	10" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	7,257.98	194.46
23 05 23 00-0423	EA	12" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	11,636.32	235.70
23 05 23 00-0424		**Flanged Cast Steel Foot Valve, ASTM A216 WBC (SSI 150FVFS)** *(23 05 23 00-0414)*		
23 05 23 00-0425	EA	2" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	1,461.07	46.30
23 05 23 00-0426	EA	4" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	2,110.24	99.21
23 05 23 00-0427	EA	6" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	3,235.28	125.45
23 05 23 00-0428	EA	8" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	4,862.75	158.74
23 05 23 00-0429	EA	10" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	6,734.27	194.46
23 05 23 00-0430	EA	12" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	9,942.03	235.70
23 05 23 00-0431		**Flanged Cast Stainless Steel Foot Valve, ASTM A351 Grade CF8M (SSI 150FVFSS)** *(23 05 23 00-0414)*		
23 05 23 00-0432	EA	2" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	929.11	46.30
23 05 23 00-0433	EA	4" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	1,569.82	99.21
23 05 23 00-0434	EA	6" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	2,466.94	75.05
23 05 23 00-0435	EA	8" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	3,692.09	158.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0436	EA	10" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	5,389.33	194.46
23 05 23 00-0437	EA	12" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	9,222.78	235.70
23 05 23 00-0438		Float Valves *(23 05 23)*		
23 05 23 00-0439		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0438)*		
23 05 23 00-0440		Single Seat, Bronze Construction *(23 05 23 00-0439)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0441	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	217.47	15.82
23 05 23 00-0442	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	248.35	18.84
23 05 23 00-0443	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	328.14	20.34
23 05 23 00-0444	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	558.17	25.62
23 05 23 00-0445	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	565.69	29.38
23 05 23 00-0446		Double Seat, Bronze Construction *(23 05 23 00-0439)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0447	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,257.81	15.82
23 05 23 00-0448	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,263.83	18.84
23 05 23 00-0449	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,461.17	20.34
23 05 23 00-0450	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,611.05	25.62
23 05 23 00-0451	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,841.51	29.38
23 05 23 00-0452	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,420.56	34.66
23 05 23 00-0453	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,806.64	46.53
23 05 23 00-0454	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,378.56	53.47
23 05 23 00-0455		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0438)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0456		Brass Body Threaded Ends *(23 05 23 00-0455)*		
23 05 23 00-0457	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	213.52	20.42
23 05 23 00-0458	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	242.07	22.68
23 05 23 00-0459	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	305.34	25.10
23 05 23 00-0460	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	487.29	40.54
23 05 23 00-0461	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	503.55	46.19
23 05 23 00-0462	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	557.51	57.26
23 05 23 00-0463		Cast Iron Body Flanged *(23 05 23 00-0455)*		
23 05 23 00-0464	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	7,961.95	100.70
23 05 23 00-0465	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,630.43	118.06
23 05 23 00-0466		Float Operated Valves *(23 05 23 00-0438)*		
23 05 23 00-0467		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0466)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0468	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	850.37	35.42
23 05 23 00-0469		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0466)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0470	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,043.54	65.97
23 05 23 00-0471		Float Valve Accessories *(23 05 23 00-0438)*		
23 05 23 00-0472	EA	4" x 4" x 4" Float Valve Junction Box, NEMA 4X	273.52	26.04
23 05 23 00-0473	EA	6" x 6" x 4" Float Valve Junction Box, NEMA 4X	359.00	27.78
23 05 23 00-0474	EA	8" x 8" x 4" Float Valve Junction Box, NEMA 4X	444.49	29.52
23 05 23 00-0475	EA	10" x 8" x 4" Float Valve Junction Box, NEMA 4X	528.82	31.25
23 05 23 00-0476	EA	SS Float Switch Mounting Bracket, Multiple	241.93	43.40
23 05 23 00-0477	EA	SS Float Switch Mounting Bracket, Single	155.99	29.52
23 05 23 00-0478	EA	Direct Acting Float Switch. 3 Wire Single Pole Double Throw, 30' Of Cable (Roto Float P20 No/NC)	243.48	34.73
		For Each LF Of Additional Cable, Add	*0.65*	
		For Stainless Steel Wall Mounting Bracket, Add	*58.00*	
		For Polyvinyl Chloride (PVC) NEMA 4X Junction Box, Add	*70.00*	
		For Stainless Steel Float, Add	*80.00*	
23 05 23 00-0479		Needle Valves *(23 05 23)*		
23 05 23 00-0480		Bronze Needle Valve *(23 05 23 00-0479)*		
		Note: For heating and cooling applications.		
23 05 23 00-0481	EA	1/4" Diameter, Bronze, Needle Valve	109.79	7.54
23 05 23 00-0482	EA	3/8" Diameter, Bronze, Needle Valve	123.30	7.54
23 05 23 00-0483	EA	1/2" Diameter, Bronze, Needle Valve	135.49	7.54
23 05 23 00-0484	EA	3/4" Diameter, Bronze, Needle Valve	208.38	8.29
23 05 23 00-0485	EA	1" Diameter, Bronze, Needle Valve	326.13	9.42
23 05 23 00-0486		Polyvinyl Chloride (PVC) Needle Valve *(23 05 23 00-0479)*		
23 05 23 00-0487	EA	1/4" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	51.23	7.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0488	EA	3/8" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	57.26	7.54
23 05 23 00-0489	EA	1/2" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	58.47	7.54
23 05 23 00-0490		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0491		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0490)*		
23 05 23 00-0492	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	258.23	7.54
23 05 23 00-0493	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	270.29	8.29
23 05 23 00-0494	EA	1" Diameter Threaded, Eccentric Valves With Taps	341.97	9.42
23 05 23 00-0495	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	413.73	10.02
23 05 23 00-0496	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	450.25	11.60
23 05 23 00-0497	EA	2" Diameter Threaded, Eccentric Valves With Taps	529.17	13.72
23 05 23 00-0498	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	805.19	18.54
23 05 23 00-0499	EA	3" Diameter Threaded, Eccentric Valves With Taps	981.39	21.53
23 05 23 00-0500		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0490)*		
23 05 23 00-0501	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	972.03	100.70
23 05 23 00-0502	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,155.47	118.06
23 05 23 00-0503	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,525.66	197.93
23 05 23 00-0504	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,052.22	202.50
23 05 23 00-0505	EA	6" Diameter Flanged, Eccentric Valves With Taps	2,621.58	225.01
23 05 23 00-0506	EA	8" Diameter Flanged, Eccentric Valves With Taps	4,585.93	287.51
23 05 23 00-0507	EA	10" Diameter Flanged, Eccentric Valves With Taps	6,465.77	350.01
23 05 23 00-0508	EA	12" Diameter Flanged, Eccentric Valves With Taps	11,237.23	425.01
23 05 23 00-0509		**Emergency Shut-Off Valve With Fusible Link** *(23 05 23)*		
23 05 23 00-0510		**Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)** *(23 05 23 00-0509)*		
		Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0511	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	97.57	12.13
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0512	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	98.74	12.81
		For Work In Restricted Working Space, Add	*6.94*	
23 05 23 00-0513	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	179.92	12.13
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0514	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	378.31	16.35
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0515	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	1,019.33	19.81
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0516		**Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0509)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0517	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	734.64	11.60
23 05 23 00-0518	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	783.35	13.72
23 05 23 00-0519	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,328.60	21.53
23 05 23 00-0520		**Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0509)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0521	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	710.42	100.44
23 05 23 00-0522	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,195.88	118.06
23 05 23 00-0523	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,796.34	197.93
23 05 23 00-0524		**Synthetic Sleeve Check Valve** *(23 05 23)*		
23 05 23 00-0525		**Synthetic Sleeve Fall-Out Flap/Duckbill Check Valve** *(23 05 23 00-0524)*		
		Note: Model red valve series TF1, TF2 Or 35. For 35 series valves, select the valve and flange.		
23 05 23 00-0526	EA	4" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	1,218.68	147.92
23 05 23 00-0527	EA	8" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	2,779.34	178.44
23 05 23 00-0528	EA	12" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	4,532.78	264.94
23 05 23 00-0529	EA	20" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	12,798.90	429.76
23 05 23 00-0530	EA	24" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	13,631.62	528.89
23 05 23 00-0531	EA	30" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	23,490.20	843.96
23 05 23 00-0532	EA	36" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	27,514.10	1,687.91
23 05 23 00-0533	EA	48" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	49,774.90	2,245.93
23 05 23 00-0534	EA	54" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	67,286.65	2,497.19
23 05 23 00-0535	EA	4" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	1,858.69	147.92
23 05 23 00-0536	EA	8" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	3,906.20	178.44
23 05 23 00-0537	EA	12" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	6,288.72	264.94
23 05 23 00-0538	EA	20" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	18,028.41	429.76
23 05 23 00-0539	EA	24" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	20,833.14	528.89
23 05 23 00-0540	EA	30" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	33,235.37	843.96
23 05 23 00-0541	EA	36" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	38,421.68	1,687.91
23 05 23 00-0542	EA	48" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	62,711.92	2,245.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0543	EA	54" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	86,679.87	2,497.19
23 05 23 00-0544		**Synthetic Sleeve In-Line Flap/Duckbill Check Valve** *(23 05 23 00-0524)*		
		Note: Cast iron body. Model red valve Series 39.		
23 05 23 00-0545	EA	4" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	3,424.07	197.93
23 05 23 00-0546	EA	8" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	9,701.16	287.51
23 05 23 00-0547	EA	12" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	15,443.91	425.01
23 05 23 00-0548	EA	18" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	20,643.31	758.21
23 05 23 00-0549	EA	20" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	34,587.96	854.54
23 05 23 00-0550	EA	24" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	39,408.12	1,048.76
23 05 23 00-0551	EA	4" Viton Sleeve Material, Addition	4,766.62	
23 05 23 00-0552	EA	8" Viton Sleeve Material, Addition	5,763.93	
23 05 23 00-0553	EA	12" Viton Sleeve Material, Addition	6,628.26	
23 05 23 00-0554	EA	18" Viton Sleeve Material, Addition	7,400.54	
23 05 23 00-0555	EA	20" Viton Sleeve Material, Addition	8,275.10	
23 05 23 00-0556	EA	24" Viton Sleeve Material, Addition	9,369.58	
23 05 23 00-0557		**Synthetic Sleeve In-Line Flap/Duckbill Check Valve** *(23 05 23 00-0524)*		
		Note: 316 Stainless steel body. Model red valve Series 2633.		
23 05 23 00-0558	EA	1/2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	358.83	7.54
23 05 23 00-0559	EA	3/4" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	393.25	8.29
23 05 23 00-0560	EA	1" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	486.66	9.42
23 05 23 00-0561	EA	1-1/2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	614.55	11.60
23 05 23 00-0562	EA	2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	688.54	13.72
23 05 23 00-0563	EA	3" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve	873.96	21.53
23 05 23 00-0564	EA	1/2" Viton Sleeve Material, Addition	202.28	
23 05 23 00-0565	EA	3/4" Viton Sleeve Material, Addition	239.06	
23 05 23 00-0566	EA	1" Viton Sleeve Material, Addition	297.91	
23 05 23 00-0567	EA	1-1/2" Viton Sleeve Material, Addition	349.40	
23 05 23 00-0568	EA	2" Viton Sleeve Material, Addition	478.13	
23 05 23 00-0569	EA	3" Viton Sleeve Material, Addition	374.08	
23 05 23 00-0570		**Check Valves** *(23 05 23)*		
23 05 23 00-0571		**Iron Body Wafer Type Check Valve** *(23 05 23 00-0570)*		
23 05 23 00-0572		**Single Disk Type** *(23 05 23 00-0571)*		
23 05 23 00-0573	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	409.20	100.54
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*152.72*	
23 05 23 00-0574	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	497.87	100.82
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*192.43*	
23 05 23 00-0575	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	617.45	118.21
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*240.87*	
23 05 23 00-0576	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	884.24	198.18
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*335.82*	
23 05 23 00-0577	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,343.72	278.14
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*517.75*	
23 05 23 00-0578	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,926.92	319.87
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*767.52*	
23 05 23 00-0579	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,931.69	389.40
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,196.68*	
23 05 23 00-0580		**Twin Disc Type** *(23 05 23 00-0571)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0581	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev	604.34	100.54
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*240.53*	
23 05 23 00-0582	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	700.86	100.82
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*283.78*	
23 05 23 00-0583	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	818.17	118.21
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*331.19*	
23 05 23 00-0584	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,099.47	198.18
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*432.68*	
23 05 23 00-0585	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,720.16	278.14
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*687.15*	
23 05 23 00-0586	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,493.36	319.87
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,022.67*	
23 05 23 00-0587	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	3,806.38	382.45
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,591.14*	
23 05 23 00-0588	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,036.60	472.84
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,119.15*	
23 05 23 00-0589	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	9,785.58	556.60
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,217.98*	
23 05 23 00-0590	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	13,583.59	653.08
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*5,908.53*	
23 05 23 00-0591	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	18,241.71	727.29
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*7,982.01*	
23 05 23 00-0592	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	21,750.54	816.34
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,532.64*	
23 05 23 00-0593	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	28,494.55	1,001.87
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,508.57*	

23 05 23 00-0594 Lift Check Valves *(23 05 23 00-0570)*

23 05 23 00-0595 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0594)*

Note: Watts #600 series.

23 05 23 00-0596	EA	3/8" Diameter Threaded, Bronze, Lift Check Valve	112.62	7.54
23 05 23 00-0597	EA	1/2" Diameter Threaded, Bronze, Lift Check Valve	119.25	7.54
23 05 23 00-0598	EA	3/4" Diameter Threaded, Bronze, Lift Check Valve	151.01	7.91
23 05 23 00-0599	EA	1" Diameter Threaded, Bronze, Lift Check Valve	201.05	7.91
23 05 23 00-0600	EA	1-1/4" Diameter Threaded, Bronze, Lift Check Valve	281.56	10.02
23 05 23 00-0601	EA	1-1/2" Diameter Threaded, Bronze, Lift Check Valve	344.39	11.60
23 05 23 00-0602	EA	2" Diameter Threaded, Bronze, Lift Check Valve	499.17	13.72

23 05 23 00-0603 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0594)*

Note: Crane 366E.

23 05 23 00-0604	EA	1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	767.97	7.54
23 05 23 00-0605	EA	3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	930.94	7.91
23 05 23 00-0606	EA	1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	1,681.55	7.91
23 05 23 00-0607	EA	1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,242.63	10.02
23 05 23 00-0608	EA	1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,433.88	11.60
23 05 23 00-0609	EA	2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	3,130.09	13.72

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0610		**Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves** *(23 05 23 00-0594)* Note: Mueller 105MAP.		
23 05 23 00-0611	EA	2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	1,068.30	100.44
23 05 23 00-0612	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,050.92	100.70
23 05 23 00-0613	EA	3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,222.98	118.06
23 05 23 00-0614	EA	4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,036.81	197.93
23 05 23 00-0615	EA	5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,840.18	202.50
23 05 23 00-0616	EA	6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,776.39	225.01
23 05 23 00-0617	EA	8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	8,582.74	287.51
23 05 23 00-0618	EA	10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	10,793.97	350.01
23 05 23 00-0619	EA	12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	17,760.53	425.01
23 05 23 00-0620	EA	14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	24,252.36	621.48
23 05 23 00-0621	EA	16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	26,883.15	683.63
23 05 23 00-0622		**Bronze Body Swing Check Valves** *(23 05 23 00-0570)*		
23 05 23 00-0623		**Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves** *(23 05 23 00-0622)*		
23 05 23 00-0624	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	71.30	7.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0625	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	68.95	7.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*6.59*	
23 05 23 00-0626	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	70.09	7.54
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*6.93*	
23 05 23 00-0627	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	73.14	7.54
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0628	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	91.94	7.91
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0629	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	120.02	7.91
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0630	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	163.03	10.02
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0631	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	215.93	11.60
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0632	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	271.59	13.72
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0633	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	559.47	18.54
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0634	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	770.85	21.53
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0635	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	872.93	24.31
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*36.46*	
23 05 23 00-0636		**Bronze Body, Flanged, 125 Lb., Swing Check Valves** *(23 05 23 00-0622)*		
23 05 23 00-0637	EA	2" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	389.99	100.44
		For Work In Restricted Working Space, Add	*37.67*	
		For 150 Lb. Rated Valves, Add	*116.34*	
		For 250 Lb. Rated Valves, Add	*343.73*	
23 05 23 00-0638	EA	2-1/2" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	413.19	100.70
		For Work In Restricted Working Space, Add	*37.88*	
		For 150 Lb. Rated Valves, Add	*126.24*	
		For 250 Lb. Rated Valves, Add	*373.00*	
23 05 23 00-0639	EA	3" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	506.02	118.06
		For Work In Restricted Working Space, Add	*44.33*	
		For 150 Lb. Rated Valves, Add	*157.63*	
		For 250 Lb. Rated Valves, Add	*465.74*	
23 05 23 00-0640	EA	4" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	781.46	197.93
		For Work In Restricted Working Space, Add	*74.41*	
		For 150 Lb. Rated Valves, Add	*234.71*	
		For 250 Lb. Rated Valves, Add	*693.46*	
23 05 23 00-0641	EA	5" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	1,200.44	202.50
		For Work In Restricted Working Space, Add	*75.82*	
		For 150 Lb. Rated Valves, Add	*416.99*	
		For 250 Lb. Rated Valves, Add	*1,232.01*	
23 05 23 00-0642	EA	6" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	1,324.73	225.01
		For Work In Restricted Working Space, Add	*84.68*	
		For 150 Lb. Rated Valves, Add	*458.69*	
		For 250 Lb. Rated Valves, Add	*1,355.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0643	EA	8" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	2,148.47	287.51
		For Work In Restricted Working Space, Add	*107.15*	
		For 150 Lb. Rated Valves, Add	*788.18*	
23 05 23 00-0644	EA	10" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	3,139.19	350.01
		For Work In Restricted Working Space, Add	*131.25*	
		For 150 Lb. Rated Valves, Add	*1,188.74*	
23 05 23 00-0645	EA	12" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	4,054.14	425.01
		For Work In Restricted Working Space, Add	*159.10*	
		For 150 Lb. Rated Valves, Add	*1,550.48*	
23 05 23 00-0646	EA	14" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	12,488.83	621.48
		For Work In Restricted Working Space, Add	*233.06*	
		For 150 Lb. Rated Valves, Add	*5,153.27*	
23 05 23 00-0647	EA	16" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	16,121.02	683.63
		For Work In Restricted Working Space, Add	*256.36*	
		For 150 Lb. Rated Valves, Add	*6,717.25*	
23 05 23 00-0648	EA	18" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	20,893.92	758.21
		For Work In Restricted Working Space, Add	*284.33*	
		For 150 Lb. Rated Valves, Add	*8,776.31*	
23 05 23 00-0649	EA	20" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	26,042.31	854.54
		For Work In Restricted Working Space, Add	*320.45*	
		For 150 Lb. Rated Valves, Add	*10,988.62*	

23 05 23 00-0650 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0570)*

23 05 23 00-0651	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	619.78	56.51
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*21.32*	
23 05 23 00-0652	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	686.41	65.93
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*24.57*	
23 05 23 00-0653	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	754.79	79.12
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*29.74*	
23 05 23 00-0654	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	939.89	100.44
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-0655	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,076.63	100.70
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-0656	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,180.51	118.06
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-0657	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,844.08	197.93
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-0658	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,596.06	202.50
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*75.82*	
23 05 23 00-0659	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,999.23	225.01
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-0660	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,140.43	287.51
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-0661	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	9,671.00	350.01
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-0662	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	14,929.50	425.01
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*159.10*	
23 05 23 00-0663	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,078.69	621.48
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*233.06*	
23 05 23 00-0664	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	24,598.06	683.63
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*256.36*	
23 05 23 00-0665	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	38,265.90	758.21
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*284.33*	
23 05 23 00-0666	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,008.77	854.54
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*320.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0667	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	74,024.52	1,048.76
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*393.29*	

23 05 23 00-0668 APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0570)*

Note: AWWA C-509, side mounted oil cushion.

23 05 23 00-0669	EA	6" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	27,828.42	225.01
		For Asphalt Varnish Interior, Add	*104.00*	
23 05 23 00-0670	EA	8" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	29,284.20	287.51
		For Asphalt Varnish Interior, Add	*112.00*	
23 05 23 00-0671	EA	10" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	44,677.07	350.01
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0672	EA	12" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	52,574.45	425.01
		For Asphalt Varnish Interior, Add	*168.00*	
23 05 23 00-0673	EA	14" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	81,446.28	621.48
		For Asphalt Varnish Interior, Add	*184.00*	
23 05 23 00-0674	EA	16" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	102,661.79	683.63
		For Asphalt Varnish Interior, Add	*192.00*	
23 05 23 00-0675	EA	18" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	110,728.36	758.21
		For Asphalt Varnish Interior, Add	*216.00*	
23 05 23 00-0676	EA	20" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	114,914.72	854.54
		For Asphalt Varnish Interior, Add	*232.00*	
23 05 23 00-0677	EA	24" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	131,932.73	1,048.76
		For Asphalt Varnish Interior, Add	*280.00*	

23 05 23 00-0678 APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0570)*

Note: AWWA C-509, bottom buffer oil cushion.

23 05 23 00-0679	EA	8" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	26,542.88	287.51
		For Asphalt Varnish Interior, Add	*112.00*	
23 05 23 00-0680	EA	10" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	32,530.37	350.01
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0681	EA	12" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	37,123.85	425.01
		For Asphalt Varnish Interior, Add	*168.00*	
23 05 23 00-0682	EA	14" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	59,694.74	621.48
		For Asphalt Varnish Interior, Add	*184.00*	
23 05 23 00-0683	EA	16" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	73,714.28	683.63
		For Asphalt Varnish Interior, Add	*192.00*	
23 05 23 00-0684	EA	18" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	87,687.98	758.21
		For Asphalt Varnish Interior, Add	*216.00*	
23 05 23 00-0685	EA	20" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	102,118.50	854.54
		For Asphalt Varnish Interior, Add	*232.00*	
23 05 23 00-0686	EA	24" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	126,306.89	1,048.76
		For Asphalt Varnish Interior, Add	*280.00*	

23 05 23 00-0687 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0570)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0688	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	187.07	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0689	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	217.57	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0690	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	256.69	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0691	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	405.16	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0692	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	481.85	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0693	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	658.55	13.72
		For Work In Restricted Working Space, Add	*20.55*	

23 05 23 00-0694 Plastic Check Valve *(23 05 23 00-0570)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0695		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0694)*		
23 05 23 00-0696	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	50.82	7.54
		For Work In Restricted Working Space, Add	*7.29*	
23 05 23 00-0697	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	59.28	8.29
		For Work In Restricted Working Space, Add	*9.83*	
23 05 23 00-0698	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	67.23	9.42
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0699	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	78.94	10.02
		For Work In Restricted Working Space, Add	*15.07*	
23 05 23 00-0700	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	88.33	11.60
		For Work In Restricted Working Space, Add	*17.39*	
23 05 23 00-0701	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	115.72	13.72
		For Work In Restricted Working Space, Add	*20.55*	
23 05 23 00-0702	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	159.82	18.54
		For Work In Restricted Working Space, Add	*27.78*	
23 05 23 00-0703	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	194.07	21.53
		For Work In Restricted Working Space, Add	*32.05*	
23 05 23 00-0704		Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0694)*		
23 05 23 00-0705		Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0704)*		
23 05 23 00-0706	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	82.32	7.54
23 05 23 00-0707	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	95.06	8.29
23 05 23 00-0708	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	108.04	9.42
23 05 23 00-0709	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	157.72	10.02
23 05 23 00-0710	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	174.41	11.60
23 05 23 00-0711	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	271.58	12.64
23 05 23 00-0712	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	380.24	18.54
23 05 23 00-0713	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	413.39	21.53
23 05 23 00-0714	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	623.15	24.31
23 05 23 00-0715	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	577.72	118.06
23 05 23 00-0716		Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0704)*		
23 05 23 00-0717		Valves *(23 05 23 00-0716)*		
23 05 23 00-0718	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	59.13	7.54
23 05 23 00-0719	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	72.57	8.29
23 05 23 00-0720	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	89.42	9.42
23 05 23 00-0721	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	116.58	10.02
23 05 23 00-0722	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	137.58	11.60
23 05 23 00-0723	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	212.82	13.72
23 05 23 00-0724	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	359.67	18.54
23 05 23 00-0725	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	642.63	21.53
23 05 23 00-0726		Foot Valve Screen *(23 05 23 00-0716)*		
		Note: For use with PVC true union ball check valves above.		
23 05 23 00-0727	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0728	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0729	EA	1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0730	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0731	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0732	EA	2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0733	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0734	EA	3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0735	EA	4" Diameter, Foot Valve Screen Option	261.13	
23 05 23 00-0736		Hayward "True Check" With VITON Seals *(23 05 23 00-0716)*		
23 05 23 00-0737	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	53.47	7.54
23 05 23 00-0738	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	54.61	7.54
23 05 23 00-0739	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	59.96	7.54
23 05 23 00-0740	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	72.49	8.29
23 05 23 00-0741	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	90.59	9.42
23 05 23 00-0742	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	116.50	10.02
23 05 23 00-0743	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	142.56	11.60
23 05 23 00-0744	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	181.30	13.72
23 05 23 00-0745	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	354.69	18.54
23 05 23 00-0746	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	385.52	21.53
23 05 23 00-0747	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	636.59	24.31
23 05 23 00-0748		Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0716)*		
23 05 23 00-0749	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	55.82	7.54
23 05 23 00-0750	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	68.42	8.29
23 05 23 00-0751	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	84.95	9.42
23 05 23 00-0752	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	110.36	10.02
23 05 23 00-0753	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	131.28	11.60
23 05 23 00-0754	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	171.35	13.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0755	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	339.76	18.54
23 05 23 00-0756	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	373.08	21.53
23 05 23 00-0757	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	617.51	24.31
23 05 23 00-0758		**Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged** *(23 05 23 00-0704)*		
23 05 23 00-0759	EA	1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	312.92	45.21
23 05 23 00-0760	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	339.09	52.74
23 05 23 00-0761	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	367.93	65.93
23 05 23 00-0762	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	445.75	82.89
23 05 23 00-0763	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	549.50	83.44
23 05 23 00-0764	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	761.95	97.35
23 05 23 00-0765	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,034.17	165.15
23 05 23 00-0766	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,692.54	278.14
23 05 23 00-0767		**Polyvinyl Chloride (PVC) Body, Swing Check Valves** *(23 05 23 00-0694)*		
23 05 23 00-0768		**Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals** *(23 05 23 00-0767)*		
23 05 23 00-0769	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	586.82	97.23
		For Work In Restricted Working Space, Add	*37.20*	
23 05 23 00-0770	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	721.81	164.94
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0771	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,168.04	187.50
		For Work In Restricted Working Space, Add	*77.21*	
23 05 23 00-0772	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,593.50	237.51
		For Work In Restricted Working Space, Add	*87.50*	
23 05 23 00-0773		**Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals** *(23 05 23 00-0767)*		
23 05 23 00-0774	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	706.25	97.23
		For Work In Restricted Working Space, Add	*37.20*	
23 05 23 00-0775	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	985.55	164.94
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0776	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,417.86	187.50
		For Work In Restricted Working Space, Add	*77.21*	
23 05 23 00-0777	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,892.08	237.51
		For Work In Restricted Working Space, Add	*87.50*	
23 05 23 00-0778		**Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights** *(23 05 23 00-0767)*		
23 05 23 00-0779	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	737.77	97.23
		For Work In Restricted Working Space, Add	*37.20*	
23 05 23 00-0780	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	988.04	164.94
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0781	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,307.38	187.50
		For Work In Restricted Working Space, Add	*77.21*	
23 05 23 00-0782	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,708.29	237.51
		For Work In Restricted Working Space, Add	*87.50*	
23 05 23 00-0783		**Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights** *(23 05 23 00-0767)*		
23 05 23 00-0784	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	837.29	97.23
		For Work In Restricted Working Space, Add	*37.20*	
23 05 23 00-0785	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,133.19	164.94
		For Work In Restricted Working Space, Add	*61.28*	
23 05 23 00-0786	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,514.73	187.50
		For Work In Restricted Working Space, Add	*77.21*	
23 05 23 00-0787	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,957.11	237.51
		For Work In Restricted Working Space, Add	*87.50*	
23 05 23 00-0788		**Diaphragm Valves** *(23 05 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0789		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves** *(23 05 23 00-0788)*		
23 05 23 00-0790	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	271.07	22.57
23 05 23 00-0791	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	353.31	25.00
23 05 23 00-0792	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	377.49	30.90
23 05 23 00-0793	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	603.33	46.18
23 05 23 00-0794	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	999.50	55.56
23 05 23 00-0795		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0788)*		
23 05 23 00-0796	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	449.38	36.17
23 05 23 00-0797	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	530.52	37.67
23 05 23 00-0798	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	613.47	56.51
23 05 23 00-0799	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	942.82	79.12
23 05 23 00-0800	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,554.72	100.44
23 05 23 00-0801	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,044.03	100.70
23 05 23 00-0802	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,554.04	118.06
23 05 23 00-0803	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,551.29	197.93
23 05 23 00-0804	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,682.76	225.01
23 05 23 00-0805	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,092.53	287.51
23 05 23 00-0806		**Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves** *(23 05 23 00-0788)*		
23 05 23 00-0807	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	153.44	22.57
23 05 23 00-0808	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	207.81	25.00
23 05 23 00-0809	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	231.99	30.90
23 05 23 00-0810	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	405.20	46.18
23 05 23 00-0811	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	538.26	55.56
23 05 23 00-0812		**Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0788)*		
23 05 23 00-0813	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	281.96	36.17
23 05 23 00-0814	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	328.25	37.67
23 05 23 00-0815	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	411.16	56.51
23 05 23 00-0816	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	667.35	79.12
23 05 23 00-0817	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	913.31	100.44
23 05 23 00-0818	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,153.30	100.70
23 05 23 00-0819	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,413.33	118.06
23 05 23 00-0820	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,206.65	197.93
23 05 23 00-0821	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,670.27	225.01
23 05 23 00-0822	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,314.46	287.51
23 05 23 00-0823		**125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0788)*		
23 05 23 00-0824	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	552.53	56.51
23 05 23 00-0825	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	920.44	79.12
23 05 23 00-0826	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,251.31	100.44
23 05 23 00-0827	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,882.10	100.70
23 05 23 00-0828	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,066.42	118.06
23 05 23 00-0829	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,214.53	197.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0830	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,725.00	225.01
23 05 23 00-0831	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,389.52	287.51
23 05 23 00-0832		Plastic Diaphragm Valves *(23 05 23 00-0788)*		
23 05 23 00-0833		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0832)*		
23 05 23 00-0834	EA	1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	166.19	22.57
23 05 23 00-0835	EA	3/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	185.97	24.93
23 05 23 00-0836	EA	1" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	235.91	30.90
23 05 23 00-0837	EA	1-1/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	346.94	39.93
23 05 23 00-0838	EA	1-1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	361.28	46.25
23 05 23 00-0839	EA	2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	422.93	55.56
23 05 23 00-0840		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0832)*		
23 05 23 00-0841	EA	1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	242.50	22.57
23 05 23 00-0842	EA	3/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	263.94	24.93
23 05 23 00-0843	EA	1" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	337.10	30.90
23 05 23 00-0844	EA	1-1/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	436.51	39.93
23 05 23 00-0845	EA	1-1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	487.34	46.25
23 05 23 00-0846	EA	2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	525.78	55.56
23 05 23 00-0847		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0832)*		
23 05 23 00-0848		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0847)*		
23 05 23 00-0849	EA	1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	109.57	22.57
23 05 23 00-0850	EA	3/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	122.99	25.00
23 05 23 00-0851	EA	1" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	153.07	30.90
23 05 23 00-0852	EA	1-1/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	219.24	39.93
23 05 23 00-0853	EA	1-1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	231.73	46.18
23 05 23 00-0854	EA	2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.29	55.56
23 05 23 00-0855		Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0847)*		
23 05 23 00-0856	EA	1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	109.57	22.57
23 05 23 00-0857	EA	3/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	122.99	25.00
23 05 23 00-0858	EA	1" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	153.37	30.90
23 05 23 00-0859	EA	1-1/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	219.24	39.93
23 05 23 00-0860	EA	1-1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	231.73	46.18
23 05 23 00-0861	EA	2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.29	55.56
23 05 23 00-0862		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0832)*		
23 05 23 00-0863		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0862)*		
23 05 23 00-0864	EA	1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	96.66	22.57
23 05 23 00-0865	EA	3/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	108.02	25.00
23 05 23 00-0866	EA	1" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.79	30.90
23 05 23 00-0867	EA	1-1/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	191.37	39.93
23 05 23 00-0868	EA	1-1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	203.86	46.18
23 05 23 00-0869	EA	2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	243.27	55.56
23 05 23 00-0870		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0862)*		
23 05 23 00-0871	EA	1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	96.66	22.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0872	EA	3/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	108.02	25.00
23 05 23 00-0873	EA	1" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.79	30.90
23 05 23 00-0874	EA	1-1/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	191.37	39.93
23 05 23 00-0875	EA	1-1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	203.86	46.18
23 05 23 00-0876	EA	2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	243.27	55.56

23 05 23 00-0877 Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0832)*

23 05 23 00-0878 Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0877)*

23 05 23 00-0879	EA	1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	128.88	22.57
23 05 23 00-0880	EA	3/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	139.09	25.00
23 05 23 00-0881	EA	1" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	192.93	30.90
23 05 23 00-0882	EA	1-1/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	258.49	39.93
23 05 23 00-0883	EA	1-1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.98	46.18
23 05 23 00-0884	EA	2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	328.96	55.56

23 05 23 00-0885 Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0877)*

23 05 23 00-0886	EA	1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	128.88	22.57
23 05 23 00-0887	EA	3/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	139.09	25.00
23 05 23 00-0888	EA	1" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	192.93	30.90
23 05 23 00-0889	EA	1-1/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	258.46	39.93
23 05 23 00-0890	EA	1-1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.98	46.18
23 05 23 00-0891	EA	2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	328.96	55.56

23 05 23 00-0892 Pinch Valves *(23 05 23)*

23 05 23 00-0893 Open Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0892)*

23 05 23 00-0894	EA	4" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	2,795.00	197.93
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*50.00*	
23 05 23 00-0895	EA	8" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	7,430.37	287.51
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*138.00*	
23 05 23 00-0896	EA	12" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	11,955.89	425.01
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*223.00*	
23 05 23 00-0897	EA	20" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	39,416.85	687.52
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*753.00*	
23 05 23 00-0898	EA	24" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	45,948.91	843.77
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*877.00*	

23 05 23 00-0899 Closed Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0892)*

23 05 23 00-0900	EA	4" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	3,659.33	197.93
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*67.00*	
23 05 23 00-0901	EA	8" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	8,586.22	287.51
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*160.00*	
23 05 23 00-0902	EA	12" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	16,113.90	425.01
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*304.00*	
23 05 23 00-0903	EA	16" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	32,338.81	550.01
		For Viton Sleeve Material, Add	*849.00*	
		For Epoxy Coated, Add	*615.00*	
23 05 23 00-0904	EA	20" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	55,905.68	687.52
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*1,076.00*	
23 05 23 00-0905	EA	24" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	69,270.58	843.77
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*1,333.00*	

23 05 23 00-0906 Closed Aluminum Body Pinch Valves, Manually Operated *(23 05 23 00-0892)*

23 05 23 00-0907	EA	4" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	4,579.93	197.93
		For Viton Sleeve Material, Add	*287.00*	
23 05 23 00-0908	EA	8" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	11,578.14	287.51
		For Viton Sleeve Material, Add	*487.00*	
23 05 23 00-0909	EA	12" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	19,980.38	425.01
		For Viton Sleeve Material, Add	*673.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0910		**Solenoid Valves** *(23 05 23)*		
23 05 23 00-0911		**Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** *(23 05 23 00-0910)*		
23 05 23 00-0912	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	128.71	7.54
23 05 23 00-0913	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	150.18	7.54
23 05 23 00-0914	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	191.07	8.29
23 05 23 00-0915	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	287.61	9.42
23 05 23 00-0916	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	515.71	11.60
23 05 23 00-0917	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	823.21	13.72
23 05 23 00-0918	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,121.89	18.54
23 05 23 00-0919	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,646.81	21.53
23 05 23 00-0920		**Polyvinyl Chloride (PVC) Body Solenoid Valves** *(23 05 23 00-0910)*		
23 05 23 00-0921	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	204.98	7.54
23 05 23 00-0922	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	278.48	8.29
23 05 23 00-0923	EA	1" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	308.09	9.42
23 05 23 00-0924	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	200.85	7.54
23 05 23 00-0925	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	272.29	8.29
23 05 23 00-0926	EA	1" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	300.87	9.42
23 05 23 00-0927		**Flow Control Valves And Meters** *(23 05 23)*		
23 05 23 00-0928		**Conditioned Water Balancing Valves** *(23 05 23 00-0927)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0929	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	152.04	38.46
23 05 23 00-0930	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	177.90	51.29
23 05 23 00-0931	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,377.48	58.60
23 05 23 00-0932	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,475.30	72.41
23 05 23 00-0933	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,580.14	76.93
23 05 23 00-0934	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,685.57	87.94
23 05 23 00-0935	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,993.78	153.25
23 05 23 00-0936	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,862.95	175.16
23 05 23 00-0937	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,279.20	118.21
23 05 23 00-0938	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,508.64	198.18
23 05 23 00-0939	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,105.95	250.33
23 05 23 00-0940	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,613.50	319.87
23 05 23 00-0941	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	13,810.75	389.40
23 05 23 00-0942		**Read Out Meters** *(23 05 23 00-0927)* Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0943	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0944	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0945	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0946	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0947		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0948		**Balancing Valves With Lever** *(23 05 23 00-0947)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0949	EA	1/2" Diameter Threaded, Balancing Valve With Lever	406.17	23.76
23 05 23 00-0950	EA	3/4" Diameter Threaded, Balancing Valve With Lever	431.09	31.30
23 05 23 00-0951	EA	1" Diameter Threaded, Balancing Valve With Lever	624.96	35.83
23 05 23 00-0952	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	663.52	44.50
23 05 23 00-0953	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	695.87	47.14
23 05 23 00-0954	EA	2" Diameter Threaded, Balancing Valve With Lever	861.02	53.93
23 05 23 00-0955	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,170.30	100.82
23 05 23 00-0956	EA	3" Diameter Flanged, Balancing Valve With Lever	1,157.41	118.21
23 05 23 00-0957	EA	4" Diameter Flanged, Balancing Valve With Lever	1,395.46	198.18
23 05 23 00-0958	EA	5" Diameter Flanged, Balancing Valve With Lever	4,531.89	225.30
23 05 23 00-0959	EA	6" Diameter Flanged, Balancing Valve With Lever	2,092.06	250.33
23 05 23 00-0960	EA	8" Diameter Flanged, Balancing Valve With Lever	2,782.07	319.87
23 05 23 00-0961		**Balancing Valves With Nut** *(23 05 23 00-0947)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0962	EA	4" Diameter Flanged, Balancing Valve With Nut	1,395.46	198.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0963	EA	5" Diameter Flanged, Balancing Valve With Nut	4,531.89	225.30
23 05 23 00-0964	EA	6" Diameter Flanged, Balancing Valve With Nut	2,092.06	250.33
23 05 23 00-0965	EA	8" Diameter Flanged, Balancing Valve With Nut	2,782.07	319.87
23 05 23 00-0966		**Balancing Valves With Hand Wheel** *(23 05 23 00-0947)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0967	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	1,975.39	198.18
23 05 23 00-0968	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,144.96	225.30
23 05 23 00-0969	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,706.40	250.33
23 05 23 00-0970	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	3,871.83	319.87
23 05 23 00-0971	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,060.45	389.40
23 05 23 00-0972	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	7,941.92	314.89
23 05 23 00-0973	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	10,451.82	593.70
23 05 23 00-0974		**Balancing Valves With Chain Wheel** *(23 05 23 00-0947)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0975	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,308.05	198.18
23 05 23 00-0976	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,472.52	225.30
23 05 23 00-0977	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,032.69	250.33
23 05 23 00-0978	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,273.32	319.87
23 05 23 00-0979	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,450.47	389.40
23 05 23 00-0980	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	8,669.89	314.66
23 05 23 00-0981	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,110.77	593.70
23 05 23 00-0982		**Calibrated Balancing Valves** *(23 05 23 00-0947)* Note: Bell & Gossett CB Series.		
23 05 23 00-0983	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	134.70	7.55
23 05 23 00-0984	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	155.56	8.30
23 05 23 00-0985	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	174.26	9.43
23 05 23 00-0986	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	247.03	10.03
23 05 23 00-0987	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	290.63	11.61
23 05 23 00-0988	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	395.91	13.73
23 05 23 00-0989	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	203.91	9.43
23 05 23 00-0990	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	280.25	10.03
23 05 23 00-0991	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	312.67	11.61
23 05 23 00-0992	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	426.88	13.73
23 05 23 00-0993	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	598.74	20.14
23 05 23 00-0994	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,081.29	23.38
23 05 23 00-0995	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,002.99	109.36
23 05 23 00-0996	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,791.66	128.22
23 05 23 00-0997	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,671.13	214.95
23 05 23 00-0998	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	3,727.85	244.37
23 05 23 00-0999	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	4,750.97	271.51
23 05 23 00-1000	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	7,589.61	346.94
23 05 23 00-1001	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	12,568.72	415.59
23 05 23 00-1002	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	26,863.99	504.65
23 05 23 00-1003	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,235.23	25.98
23 05 23 00-1004	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,747.56	31.87
23 05 23 00-1005	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	4,961.57	40.87
23 05 23 00-1006	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,333.47	51.88
23 05 23 00-1007	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	14,923.29	58.12
23 05 23 00-1008	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,821.71	70.88
23 05 23 00-1009		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-1010		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-1009)* Note: With on-off handle		
23 05 23 00-1011	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	442.26	100.44
		For Lug Type, Add	*47.50*	
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-1012	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	461.37	100.70
		For Lug Type, Add	*50.27*	
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-1013	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	508.63	118.06
		For Lug Type, Add	*54.13*	
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-1014	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	700.96	197.93
		For Lug Type, Add	*67.94*	
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-1015	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	926.67	225.01
		For Lug Type, Add	*96.66*	
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*84.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1016	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,100.53	250.00
		For Lug Type, Add	*118.20*	
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*93.75*	
23 05 23 00-1017	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,542.87	287.51
		For Lug Type, Add	*177.86*	
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-1018	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	2,735.31	350.01
		For Lug Type, Add	*344.67*	
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-1019	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,457.80	425.01
		For Lug Type, Add	*439.12*	
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*159.10*	

23 05 23 00-1020 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1009)*

23 05 23 00-1021	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	994.62	100.44
		For Work In Restricted Working Space, Add	*37.67*	
23 05 23 00-1022	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,002.67	100.70
		For Work In Restricted Working Space, Add	*37.88*	
23 05 23 00-1023	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,068.35	118.06
		For Work In Restricted Working Space, Add	*44.33*	
23 05 23 00-1024	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,286.46	197.93
		For Work In Restricted Working Space, Add	*74.41*	
23 05 23 00-1025	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,574.77	225.01
		For Work In Restricted Working Space, Add	*84.68*	
23 05 23 00-1026	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,744.74	250.00
		For Work In Restricted Working Space, Add	*93.75*	
23 05 23 00-1027	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,213.06	287.51
		For Work In Restricted Working Space, Add	*107.15*	
23 05 23 00-1028	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,834.73	350.01
		For Work In Restricted Working Space, Add	*131.25*	
23 05 23 00-1029	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,013.84	425.01
		For Work In Restricted Working Space, Add	*159.10*	

23 05 23 00-1030 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1009)*

23 05 23 00-1031	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	6,995.34	582.65
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*233.06*	
23 05 23 00-1032	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	9,209.00	683.63
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*256.36*	
23 05 23 00-1033	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	13,362.15	761.32
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*284.85*	
23 05 23 00-1034	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	17,485.40	854.54
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*320.45*	
23 05 23 00-1035	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	23,731.10	1,048.76
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*394.40*	
23 05 23 00-1036	EA	30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	50,203.81	1,638.34
		For 200 PSI, Add	*17,322.71*	
		For Work In Restricted Working Space, Add	*625.55*	
23 05 23 00-1037	EA	36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	63,744.42	2,234.11
		For 200 PSI, Add	*22,009.67*	
		For Work In Restricted Working Space, Add	*781.94*	
23 05 23 00-1038	EA	42" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	75,365.64	3,276.69
		For 200 PSI, Add	*25,688.06*	
		For Work In Restricted Working Space, Add	*1,202.98*	
23 05 23 00-1039	EA	48" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	90,808.79	4,095.85
		For 200 PSI, Add	*30,814.52*	
		For Work In Restricted Working Space, Add	*1,563.87*	
23 05 23 00-1040	EA	54" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	109,162.14	4,915.02
		For 200 PSI, Add	*36,952.56*	
		For Work In Restricted Working Space, Add	*1,954.84*	

23 05 23 00-1041 Plastic Butterfly Valves *(23 05 23 00-1009)*

23 05 23 00-1042 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-1041)*

23 05 23 00-1043 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1042)*

23 05 23 00-1044	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	193.33	65.93
23 05 23 00-1045	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	216.08	82.89
23 05 23 00-1046	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	246.79	97.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1047	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	346.64	164.94
23 05 23 00-1048	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	471.97	187.50
23 05 23 00-1049	EA	8" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	674.46	237.51
23 05 23 00-1050	EA	10" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,125.01	281.25
23 05 23 00-1051	EA	12" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,488.89	343.76

23 05 23 00-1052 Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1042)*

23 05 23 00-1053	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	314.05	65.93
23 05 23 00-1054	EA	2" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	336.80	82.89
23 05 23 00-1055	EA	3" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	390.21	97.23
23 05 23 00-1056	EA	4" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	527.21	164.94
23 05 23 00-1057	EA	6" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	786.66	187.50
23 05 23 00-1058	EA	8" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	1,186.22	237.51
23 05 23 00-1059	EA	10" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	2,301.23	281.25
23 05 23 00-1060	EA	12" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	3,089.17	343.76

23 05 23 00-1061 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator *(23 05 23 00-1041)*

23 05 23 00-1062 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1061)*

23 05 23 00-1063	EA	2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	226.60	82.89
23 05 23 00-1064	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	234.18	83.33
23 05 23 00-1065	EA	3" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	254.27	97.23
23 05 23 00-1066	EA	4" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	345.06	164.94
23 05 23 00-1067	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	465.80	187.50
23 05 23 00-1068	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	760.06	237.51
23 05 23 00-1069	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,256.28	281.25
23 05 23 00-1070	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,636.09	343.76

23 05 23 00-1071 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1061)*

23 05 23 00-1072	EA	2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	310.02	34.28
23 05 23 00-1073	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	334.97	41.44
23 05 23 00-1074	EA	3" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	348.90	46.25
23 05 23 00-1075	EA	4" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	408.81	53.41
23 05 23 00-1076	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	654.79	86.81
23 05 23 00-1077	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	1,453.76	138.89
23 05 23 00-1078	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	2,222.26	154.18
23 05 23 00-1079	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	3,163.98	173.62

23 05 23 00-1080 Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator *(23 05 23 00-1041)*

23 05 23 00-1081 Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1080)*

23 05 23 00-1082	EA	2" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	894.14	82.89
23 05 23 00-1083	EA	2-1/2" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	930.58	83.33
23 05 23 00-1084	EA	3" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	1,010.80	97.23
23 05 23 00-1085	EA	4" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	1,408.45	164.94
23 05 23 00-1086	EA	6" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	2,552.09	187.50
23 05 23 00-1087	EA	8" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	5,096.94	237.51
23 05 23 00-1088	EA	10" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	7,618.66	281.25
23 05 23 00-1089	EA	12" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	9,505.25	343.76

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	14.27	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	15.66	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	16.46	6.95
		For Work In Restricted Working Space, Add	*4.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	17.14	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	17.37	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	18.24	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	20.44	7.91
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	22.07	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0012	EA	3-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	22.91	9.15
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	25.41	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	32.79	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	39.55	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	54.22	17.36
		For Work In Restricted Working Space, Add	*10.42*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	81.03	23.61
		For Work In Restricted Working Space, Add	*13.89*	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	95.84	26.04
		For Work In Restricted Working Space, Add	*15.63*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	121.36	29.17
		For Work In Restricted Working Space, Add	*17.92*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	153.11	34.73
		For Work In Restricted Working Space, Add	*20.84*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	190.73	43.40
		For Work In Restricted Working Space, Add	*26.04*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	322.54	52.09
		For Work In Restricted Working Space, Add	*31.25*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	507.25	60.76
		For Work In Restricted Working Space, Add	*36.46*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	18.98	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	20.37	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	21.27	6.95
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.05	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	22.65	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	23.22	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.52	7.91
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.95	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.26	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.23	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	60.49	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	75.38	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	89.14	17.36
		For Work In Restricted Working Space, Add	*10.42*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	14.10	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	15.53	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.42	6.95
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.87	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.00	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.50	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	19.47	7.91
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.43	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	22.97	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.90	9.72
		For Work In Restricted Working Space, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	21.41	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	22.21	6.95
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	22.62	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	23.56	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	25.52	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	27.62	7.91
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	29.12	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	35.37	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	44.65	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	55.46	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	80.32	17.36
		For Work In Restricted Working Space, Add	*10.42*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	113.72	23.61
		For Work In Restricted Working Space, Add	*13.89*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	127.69	26.04
		For Work In Restricted Working Space, Add	*15.63*	
23 05 29 00-0063		**Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)** *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	26.63	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	28.66	7.91
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	30.29	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	33.36	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.70	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	44.22	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	51.38	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	69.02	17.36
		For Work In Restricted Working Space, Add	*10.42*	
23 05 29 00-0072		**Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)** *(23 05 29 00-0002)*		
23 05 29 00-0073	EA	1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	19.36	6.43
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0074	EA	3/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	20.40	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0075	EA	1" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	21.13	6.95
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0076	EA	1-1/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	22.11	7.17
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0077	EA	1-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	22.63	7.40
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0078	EA	2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	24.00	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0079	EA	2-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	28.09	7.98
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0080	EA	3" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	33.81	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0081	EA	3-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	37.04	9.03
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0082	EA	4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	38.92	9.72
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0083	EA	5" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	49.19	11.81
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0084	EA	6" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	66.32	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0085		**Fiberglass Clevis Hanger** *(23 05 29 00-0002)*		
23 05 29 00-0086	EA	1-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	266.76	7.40
23 05 29 00-0087	EA	2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	272.96	7.71
23 05 29 00-0088	EA	2-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	273.51	7.98
23 05 29 00-0089	EA	3" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	315.03	8.20
23 05 29 00-0090	EA	4" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	399.08	9.24
23 05 29 00-0091	EA	6" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	521.19	13.89
23 05 29 00-0092	EA	8" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	734.33	17.36

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0093	EA	10" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	854.52	23.13
23 05 29 00-0094	EA	12" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	1,100.01	26.04

23 05 29 00-0095 Adjustable Hangers *(23 05 29 00-0001)*

23 05 29 00-0096 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0095)*

Note: Type 5.

23 05 29 00-0097	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	13.16	5.45
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0098	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	14.35	6.04
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0099	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	15.68	6.72
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0100	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	17.26	7.46
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0101	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	18.13	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0102	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.59	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0103	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.23	8.58
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0104	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.29	8.95
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0105	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.43	10.07
		For Work In Restricted Working Space, Add	*6.04*	

23 05 29 00-0106 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0095)*

Note: Type 10.

23 05 29 00-0107	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	14.93	6.95
		For Work In Restricted Working Space, Add	*4.17*	
		For 304 Stainless Steel, Add	*5.30*	
		For 316 Stainless Steel, Add	*6.50*	
23 05 29 00-0108	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	15.76	6.95
		For Work In Restricted Working Space, Add	*4.39*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0109	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	16.57	7.64
		For Work In Restricted Working Space, Add	*4.63*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0110	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	17.62	8.33
		For Work In Restricted Working Space, Add	*4.91*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0111	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	19.79	9.72
		For Work In Restricted Working Space, Add	*5.56*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0112	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.18	9.72
		For Work In Restricted Working Space, Add	*5.95*	
		For 304 Stainless Steel, Add	*6.83*	
		For 316 Stainless Steel, Add	*8.38*	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.55	10.42
		For Work In Restricted Working Space, Add	*6.41*	
		For 304 Stainless Steel, Add	*11.12*	
		For 316 Stainless Steel, Add	*13.63*	
23 05 29 00-0114	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.42	11.81
		For Work In Restricted Working Space, Add	*6.95*	
		For 304 Stainless Steel, Add	*11.58*	
		For 316 Stainless Steel, Add	*14.19*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.39	12.67
		For Work In Restricted Working Space, Add	*7.61*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0116	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.82	13.89
		For Work In Restricted Working Space, Add	*8.33*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0117	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	37.57	15.62
		For Work In Restricted Working Space, Add	*9.38*	
		For 304 Stainless Steel, Add	*32.23*	
		For 316 Stainless Steel, Add	*39.50*	
23 05 29 00-0118	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	41.15	17.36
		For Work In Restricted Working Space, Add	*10.42*	
		For 304 Stainless Steel, Add	*32.74*	
		For 316 Stainless Steel, Add	*40.13*	
23 05 29 00-0119	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	49.29	20.83
		For Work In Restricted Working Space, Add	*12.50*	
		For 304 Stainless Steel, Add	*38.86*	
		For 316 Stainless Steel, Add	*47.63*	

23 05 29 00-0120 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0121	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	17.63	6.95
		For Work In Restricted Working Space, Add	*4.17*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0122	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	18.36	6.95
		For Work In Restricted Working Space, Add	*4.39*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0123	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	19.17	7.64
		For Work In Restricted Working Space, Add	*4.63*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0124	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	20.09	8.33
		For Work In Restricted Working Space, Add	*4.91*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0125	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	22.57	9.72
		For Work In Restricted Working Space, Add	*5.56*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0126	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	23.89	9.72
		For Work In Restricted Working Space, Add	*5.95*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0127	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.00	10.42
		For Work In Restricted Working Space, Add	*6.41*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*66.44*	
23 05 29 00-0128	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.32	11.81
		For Work In Restricted Working Space, Add	*6.95*	
		For 304 Stainless Steel, Add	*67.17*	
		For 316 Stainless Steel, Add	*82.31*	
23 05 29 00-0129	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	39.56	12.67
		For Work In Restricted Working Space, Add	*7.61*	
		For 304 Stainless Steel, Add	*72.47*	
		For 316 Stainless Steel, Add	*88.81*	
23 05 29 00-0130	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	45.08	13.89
		For Work In Restricted Working Space, Add	*8.33*	
		For 304 Stainless Steel, Add	*88.23*	
		For 316 Stainless Steel, Add	*108.13*	
23 05 29 00-0131	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	48.79	15.62
		For Work In Restricted Working Space, Add	*9.38*	
		For 304 Stainless Steel, Add	*89.45*	
		For 316 Stainless Steel, Add	*109.63*	
23 05 29 00-0132	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	60.12	17.36
		For Work In Restricted Working Space, Add	*10.42*	
		For 304 Stainless Steel, Add	*129.49*	
		For 316 Stainless Steel, Add	*158.69*	

23 05 29 00-0133 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0134 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0133)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0135	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	25.86	5.56
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-0136	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	28.36	6.25
		For Work In Restricted Working Space, Add	*3.76*	
23 05 29 00-0137	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	31.31	7.30
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0138	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	36.08	8.34
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0139	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	51.43	9.39
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0140	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	44.39	10.43
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-0141	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	55.58	12.52
		For Work In Restricted Working Space, Add	*7.51*	
23 05 29 00-0142	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	76.61	14.60
		For Work In Restricted Working Space, Add	*8.76*	
23 05 29 00-0143	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	90.76	17.38
		For Work In Restricted Working Space, Add	*10.43*	

23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0133)*

Note: Type 43.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0145	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	37.67	9.80
		For Work In Restricted Working Space, Add	*5.66*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0146	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	39.04	10.11
		For Work In Restricted Working Space, Add	*6.07*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0147	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	42.54	10.56
		For Work In Restricted Working Space, Add	*6.47*	
		For 304 Stainless Steel, Add	*107.05*	
		For 316 Stainless Steel, Add	*131.19*	
23 05 29 00-0148	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	50.57	11.31
		For Work In Restricted Working Space, Add	*6.79*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0149	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	53.08	12.82
		For Work In Restricted Working Space, Add	*7.54*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0150	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	60.22	13.80
		For Work In Restricted Working Space, Add	*8.28*	
		For 304 Stainless Steel, Add	*166.36*	
		For 316 Stainless Steel, Add	*203.88*	
23 05 29 00-0151	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	70.67	15.08
		For Work In Restricted Working Space, Add	*9.05*	
		For 304 Stainless Steel, Add	*206.60*	
		For 316 Stainless Steel, Add	*253.19*	
23 05 29 00-0152	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	98.34	18.85
		For Work In Restricted Working Space, Add	*11.31*	
		For 304 Stainless Steel, Add	*309.21*	
		For 316 Stainless Steel, Add	*378.94*	
23 05 29 00-0153	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	122.51	25.65
		For Work In Restricted Working Space, Add	*15.08*	
		For 304 Stainless Steel, Add	*368.37*	
		For 316 Stainless Steel, Add	*451.44*	
23 05 29 00-0154	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	162.75	28.28
		For Work In Restricted Working Space, Add	*16.97*	
		For 304 Stainless Steel, Add	*541.57*	
		For 316 Stainless Steel, Add	*663.69*	
23 05 29 00-0155	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	359.12	32.43
		For Work In Restricted Working Space, Add	*19.46*	
		For 304 Stainless Steel, Add	*1,500.73*	
		For 316 Stainless Steel, Add	*1,839.13*	
23 05 29 00-0156	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	453.15	37.71
		For Work In Restricted Working Space, Add	*22.63*	
		For 304 Stainless Steel, Add	*1,926.42*	
		For 316 Stainless Steel, Add	*2,360.81*	

23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0133)*

23 05 29 00-0158	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	36.43	9.80
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0159	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	39.31	10.11
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0160	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	41.07	10.56
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0161	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	47.50	11.31
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0162	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	52.95	12.82
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0163	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	57.82	13.80
		For Work In Restricted Working Space, Add	*8.28*	
23 05 29 00-0164	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	72.24	15.08
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0165	EA	8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	94.60	18.85
		For Work In Restricted Working Space, Add	*11.31*	
23 05 29 00-0166	EA	10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	121.64	25.65
		For Work In Restricted Working Space, Add	*15.08*	
23 05 29 00-0167	EA	12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	160.48	28.28
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0168	EA	14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	173.86	32.43
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0169	EA	16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	210.72	37.71
		For Work In Restricted Working Space, Add	*22.63*	
23 05 29 00-0170	EA	18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	286.93	47.14
		For Work In Restricted Working Space, Add	*28.28*	
23 05 29 00-0171	EA	20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	356.43	56.56
		For Work In Restricted Working Space, Add	*33.94*	

23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0133)*

23 05 29 00-0173	EA	2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	42.22	9.80
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0174	EA	2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	47.86	10.11
		For Work In Restricted Working Space, Add	*6.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0175	EA	3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	50.20	10.56
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0176	EA	3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	53.08	11.31
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0177	EA	4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	64.65	12.82
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0178	EA	5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	73.66	13.80
		For Work In Restricted Working Space, Add	*8.28*	
23 05 29 00-0179	EA	6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	86.55	15.08
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0180	EA	8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	124.05	18.85
		For Work In Restricted Working Space, Add	*11.31*	
23 05 29 00-0181	EA	10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	153.40	25.65
		For Work In Restricted Working Space, Add	*15.08*	
23 05 29 00-0182	EA	12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	178.06	28.28
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0183	EA	14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	258.02	32.43
		For Work In Restricted Working Space, Add	*19.46*	
23 05 29 00-0184	EA	16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	310.26	37.71
		For Work In Restricted Working Space, Add	*22.63*	
23 05 29 00-0185	EA	18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	348.86	47.14
		For Work In Restricted Working Space, Add	*28.28*	

23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0133)*

23 05 29 00-0187	EA	2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	42.55	9.80
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0188	EA	2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	48.16	10.11
		For Work In Restricted Working Space, Add	*6.07*	
23 05 29 00-0189	EA	3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	50.70	10.56
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0190	EA	3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	52.64	11.31
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0191	EA	4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	68.03	12.82
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0192	EA	5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	77.64	13.80
		For Work In Restricted Working Space, Add	*8.28*	
23 05 29 00-0193	EA	6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	91.30	15.08
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0194	EA	8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	131.40	18.85
		For Work In Restricted Working Space, Add	*11.31*	
23 05 29 00-0195	EA	10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	162.22	25.65
		For Work In Restricted Working Space, Add	*15.08*	
23 05 29 00-0196	EA	12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	188.38	28.28
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0197	EA	14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	274.53	32.43
		For Work In Restricted Working Space, Add	*19.46*	

23 05 29 00-0198 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0198)*

Note: Type 4.

23 05 29 00-0200	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	13.33	4.48
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0201	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	13.48	4.55
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0202	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	13.66	4.63
		For Work In Restricted Working Space, Add	*2.78*	
23 05 29 00-0203	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	15.15	4.70
		For Work In Restricted Working Space, Add	*2.82*	
23 05 29 00-0204	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	15.30	4.78
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0205	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	16.45	4.85
		For Work In Restricted Working Space, Add	*2.91*	
23 05 29 00-0206	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	17.14	5.00
		For Work In Restricted Working Space, Add	*3.00*	
23 05 29 00-0207	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	18.28	5.14
		For Work In Restricted Working Space, Add	*3.09*	
23 05 29 00-0208	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	21.75	5.22
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0209	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	24.73	6.72
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0210	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	35.95	8.95
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0211	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	50.06	11.19
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0212	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	58.99	13.05
		For Work In Restricted Working Space, Add	*7.83*	
23 05 29 00-0213	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	89.12	14.92
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0214	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	124.54	16.41
		For Work In Restricted Working Space, Add	*9.85*	
23 05 29 00-0215	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	207.93	17.90
		For Work In Restricted Working Space, Add	*10.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0216	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	225.39	19.40
		For Work In Restricted Working Space, Add	*11.63*	
23 05 29 00-0217	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	374.20	20.88
		For Work In Restricted Working Space, Add	*12.53*	
23 05 29 00-0218	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	434.07	22.38
		For Work In Restricted Working Space, Add	*13.43*	
23 05 29 00-0219	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	569.18	24.62
		For Work In Restricted Working Space, Add	*14.77*	

23 05 29 00-0220 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0198)*

23 05 29 00-0221	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	30.67	4.86
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0222	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	41.46	4.86
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0223	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	45.73	5.03
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0224	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	75.19	5.21
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0225	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	81.93	5.55
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0226	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	143.37	5.55
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0227	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	234.13	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0228	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	297.79	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0229	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	323.20	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0230	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,017.53	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0231	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,170.18	10.42
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0232	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,500.60	11.11
		For Work In Restricted Working Space, Add	*6.67*	

23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0198)*

Note: Type 8.

23 05 29 00-0234	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	13.81	4.17
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0235	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	14.46	4.23
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0236	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	14.67	4.30
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0237	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	16.07	4.37
		For Work In Restricted Working Space, Add	*2.63*	
23 05 29 00-0238	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	16.78	4.44
		For Work In Restricted Working Space, Add	*2.67*	
23 05 29 00-0239	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	17.22	4.52
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0240	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	18.00	4.65
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-0241	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	19.18	4.79
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0242	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.39	4.86
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0243	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	25.71	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0244	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	33.05	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0245	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	42.02	10.42
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0246	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	59.00	12.15
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0247	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	79.12	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0248	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	96.87	15.28
		For Work In Restricted Working Space, Add	*9.17*	
23 05 29 00-0249	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	133.10	16.67
		For Work In Restricted Working Space, Add	*10.00*	
23 05 29 00-0250	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	263.86	18.05
		For Work In Restricted Working Space, Add	*10.83*	

23 05 29 00-0251 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0198)*

23 05 29 00-0252	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	26.85	4.17
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0253	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	27.25	4.23
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0254	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	28.47	4.30
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0255	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	30.61	4.37
		For Work In Restricted Working Space, Add	*2.63*	
23 05 29 00-0256	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.96	4.44
		For Work In Restricted Working Space, Add	*2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0257	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.31	4.52
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0258	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	40.56	4.65
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-0259	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	44.81	4.79
		For Work In Restricted Working Space, Add	*2.87*	
23 05 29 00-0260	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	60.87	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0261		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0198)*		
		Note: Type 42		
23 05 29 00-0262	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	63.99	4.86
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0263	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	67.84	5.21
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0264	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	74.65	5.55
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0265	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	80.00	5.55
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0266	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	97.14	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0267	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	311.49	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0268	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	418.06	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0269	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	498.32	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0270	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	728.86	10.42
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0271	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,007.13	11.11
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0272		Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0198)*		
23 05 29 00-0273	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	58.77	4.86
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0274	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	63.36	5.21
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0275	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	113.58	5.55
		For Work In Restricted Working Space, Add	*3.33*	
23 05 29 00-0276	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	126.79	5.55
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0277	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	183.42	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0278	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	283.32	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0279	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	380.83	8.33
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0280	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	453.43	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0281	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	665.81	10.42
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0282	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	913.81	11.11
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0283		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0284		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0283)*		
		Note: Type 6.		
23 05 29 00-0285	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	23.21	6.34
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0286	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	24.59	6.72
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0287	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	26.62	7.46
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0288	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	28.83	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0289	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	31.35	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0290	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	39.91	8.58
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0291	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	44.17	8.95
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0292	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	60.22	10.07
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0293	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	76.67	12.68
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0294	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	104.10	14.92
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0295		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0283)*		
		Note: Type 11.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0296	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	14.17	5.27
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0297	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	14.99	5.27
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0298	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	16.44	6.78
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0299	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	18.03	6.78
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0300	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.55	6.78
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0301	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.40	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0302	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	34.32	7.54
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0303	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	38.57	8.29
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0304	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	40.87	9.04
		For Work In Restricted Working Space, Add	*5.38*	

23 05 29 00-0305 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0283)*

Note: Type 12.

23 05 29 00-0306	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	14.17	5.27
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0307	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	14.99	5.65
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0308	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	16.44	6.40
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0309	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	18.03	6.78
		For Work In Restricted Working Space, Add	*3.97*	
23 05 29 00-0310	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.55	6.78
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0311	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.40	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0312	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	34.32	7.91
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0313	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	38.57	8.29
		For Work In Restricted Working Space, Add	*4.91*	

23 05 29 00-0314 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0315 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0314)*

23 05 29 00-0316	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	9.56	3.77
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0317	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	9.96	4.52
		For Work In Restricted Working Space, Add	*2.38*	
23 05 29 00-0318	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	10.39	4.52
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0319	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	10.97	4.52
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0320	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	11.60	5.27
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0321	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.63	5.27
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0322	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.24	5.27
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0323	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	22.93	5.27
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0324	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	27.22	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0325	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	33.90	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0326	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	43.10	8.29
		For Work In Restricted Working Space, Add	*4.97*	

23 05 29 00-0327 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0314)*

23 05 29 00-0328	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	4.44	
		For Work In Restricted Working Space, Add	*1.13*	
23 05 29 00-0329	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	4.74	
		For Work In Restricted Working Space, Add	*1.19*	
23 05 29 00-0330	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	5.53	
		For Work In Restricted Working Space, Add	*1.25*	
23 05 29 00-0331	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	6.32	
		For Work In Restricted Working Space, Add	*1.30*	
23 05 29 00-0332	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	6.89	
		For Work In Restricted Working Space, Add	*1.36*	
23 05 29 00-0333	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.49	
		For Work In Restricted Working Space, Add	*1.47*	

23 05 29 00-0334 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0314)*

23 05 29 00-0335	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.16	
		For Work In Restricted Working Space, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0336	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.61	
		For Work In Restricted Working Space, Add	*0.40*	
23 05 29 00-0337	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.81	
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0338	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.02	
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0339	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.24	
		For Work In Restricted Working Space, Add	*0.52*	
23 05 29 00-0340	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.61	
		For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0341		Pipe and Equipment Support Brackets *(23 05 29 00-0001)*		
23 05 29 00-0342		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0341)*		
		Note: Up to 750# load.		
23 05 29 00-0343	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	107.02	8.33
		For Galvanized, Add	*18.07*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0344	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	108.67	8.33
		For Galvanized, Add	*18.40*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0345	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	115.21	8.33
		For Galvanized, Add	*19.71*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0346		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0341)*		
		Note: Up to 1500# load.		
23 05 29 00-0347	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	266.67	8.33
		For Galvanized, Add	*50.00*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0348	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	313.67	8.33
		For Galvanized, Add	*59.40*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0349	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	409.50	8.33
		For Galvanized, Add	*78.57*	
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0350		Fiberglass Brackets *(23 05 29 00-0341)*		
23 05 29 00-0351		Polyester Resin *(23 05 29 00-0350)*		
		Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0352	EA	6" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	323.60	6.95
23 05 29 00-0353	EA	9" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	340.69	7.64
23 05 29 00-0354	EA	12" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	357.77	8.33
23 05 29 00-0355	EA	18" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	405.98	8.68
23 05 29 00-0356	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	450.80	9.03
23 05 29 00-0357		Vinyl Ester Resin *(23 05 29 00-0350)*		
		Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0358	EA	6" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	416.51	6.95
23 05 29 00-0359	EA	9" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	438.69	7.64
23 05 29 00-0360	EA	12" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	461.29	8.33
23 05 29 00-0361	EA	18" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	522.65	8.68
23 05 29 00-0362	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	587.41	9.03
23 05 29 00-0363		Polyester Resin *(23 05 29 00-0350)*		
		Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0364	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	504.68	9.03
23 05 29 00-0365	EA	30" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	520.93	9.72
23 05 29 00-0366	EA	36" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	556.25	10.42
23 05 29 00-0367		Vinyl Ester Resin *(23 05 29 00-0350)*		
		Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0368	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	651.47	9.03
23 05 29 00-0369	EA	30" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	679.60	9.72
23 05 29 00-0370	EA	36" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	717.46	10.42
23 05 29 00-0371		Pipe Alignment Guide *(23 05 29 00-0001)*		
23 05 29 00-0372		Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0371)*		
23 05 29 00-0373	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	439.19	13.19
23 05 29 00-0374	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	439.89	13.54
23 05 29 00-0375	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	440.58	13.89
23 05 29 00-0376	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	441.27	14.24
23 05 29 00-0377	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	482.18	14.59
23 05 29 00-0378	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	491.21	15.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0379	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	492.25	16.50
23 05 29 00-0380	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	493.29	17.02
23 05 29 00-0381	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	522.05	18.05
23 05 29 00-0382	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	607.48	22.92
23 05 29 00-0383	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	617.21	27.78
23 05 29 00-0384	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	693.25	34.73
23 05 29 00-0385	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,297.61	41.67
23 05 29 00-0386	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	1,980.37	55.56
23 05 29 00-0387	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,436.21	69.45
23 05 29 00-0388	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	2,935.37	77.78
23 05 29 00-0389	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,164.00	86.81
23 05 29 00-0390	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,357.64	99.31
23 05 29 00-0391	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,245.22	104.18

23 05 29 00-0392 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0371)*

23 05 29 00-0393	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	439.89	13.54
23 05 29 00-0394	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	480.79	13.89
23 05 29 00-0395	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	481.48	14.24
23 05 29 00-0396	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	482.18	14.59
23 05 29 00-0397	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	482.87	14.93
23 05 29 00-0398	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	491.90	16.33
23 05 29 00-0399	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	492.94	16.84
23 05 29 00-0400	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	520.67	17.36
23 05 29 00-0401	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	522.75	18.40
23 05 29 00-0402	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	608.53	23.44
23 05 29 00-0403	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	618.60	28.47
23 05 29 00-0404	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	694.98	35.59
23 05 29 00-0405	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,299.70	42.71
23 05 29 00-0406	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	1,983.15	56.95
23 05 29 00-0407	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,439.69	71.18
23 05 29 00-0408	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	2,939.54	79.87
23 05 29 00-0409	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,168.17	88.90
23 05 29 00-0410	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,362.50	101.75
23 05 29 00-0411	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,250.43	106.78

23 05 29 00-0412 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0371)*

23 05 29 00-0413	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	480.79	13.89
23 05 29 00-0414	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	487.73	14.24
23 05 29 00-0415	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	488.43	14.59
23 05 29 00-0416	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	489.12	14.93
23 05 29 00-0417	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	489.82	15.28
23 05 29 00-0418	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	519.27	16.67
23 05 29 00-0419	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	520.67	17.36
23 05 29 00-0420	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	521.53	17.80
23 05 29 00-0421	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	599.15	18.75
23 05 29 00-0422	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	609.57	23.96
23 05 29 00-0423	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	682.13	29.17
23 05 29 00-0424	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	765.56	36.46
23 05 29 00-0425	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,301.79	43.75
23 05 29 00-0426	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	1,985.94	58.33
23 05 29 00-0427	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,443.16	72.92
23 05 29 00-0428	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	2,943.55	81.87
23 05 29 00-0429	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,172.68	91.15
23 05 29 00-0430	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,367.36	104.18
23 05 29 00-0431	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,255.64	109.38

23 05 29 00-0432 Pipe Alignment Guide, 2-1/2" Insulation *(23 05 29 00-0371)*

23 05 29 00-0433	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	487.73	14.24
23 05 29 00-0434	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	515.11	14.59
23 05 29 00-0435	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	515.80	14.93
23 05 29 00-0436	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	516.50	15.28
23 05 29 00-0437	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	517.19	15.62
23 05 29 00-0438	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	519.97	17.02
23 05 29 00-0439	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	521.53	17.80
23 05 29 00-0440	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	598.11	18.23
23 05 29 00-0441	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	599.84	19.10
23 05 29 00-0442	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	672.41	24.31
23 05 29 00-0443	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	683.53	29.86
23 05 29 00-0444	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,288.94	37.33
23 05 29 00-0445	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,958.85	44.80
23 05 29 00-0446	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,416.77	59.73
23 05 29 00-0447	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,447.07	74.66
23 05 29 00-0448	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	2,947.87	84.04
23 05 29 00-0449	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,177.20	93.40
23 05 29 00-0450	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,372.57	106.78
23 05 29 00-0451	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,261.20	112.16

23 05 29 00-0452 Pipe Alignment Guide, 3" Insulation *(23 05 29 00-0371)*

23 05 29 00-0453	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	515.11	14.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0454	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	515.80	14.93
23 05 29 00-0455	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	516.50	15.28
23 05 29 00-0456	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	517.19	15.62
23 05 29 00-0457	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	517.89	15.97
23 05 29 00-0458	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	596.38	17.36
23 05 29 00-0459	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	598.11	18.23
23 05 29 00-0460	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	599.15	18.75
23 05 29 00-0461	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	662.97	19.58
23 05 29 00-0462	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	673.80	25.00
23 05 29 00-0463	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	753.75	30.56
23 05 29 00-0464	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,290.68	38.19
23 05 29 00-0465	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,960.94	45.83
23 05 29 00-0466	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,419.55	61.11
23 05 29 00-0467	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,450.54	76.40
23 05 29 00-0468	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	2,952.04	86.11
23 05 29 00-0469	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,181.36	95.49
23 05 29 00-0470	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,377.78	109.38
23 05 29 00-0471	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,266.76	114.94

23 05 29 00-0472 Pipe Alignment Guide, 3-1/2" Insulation *(23 05 29 00-0371)*

23 05 29 00-0473	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	515.80	14.93
23 05 29 00-0474	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	592.21	15.28
23 05 29 00-0475	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	592.90	15.62
23 05 29 00-0476	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	593.60	15.97
23 05 29 00-0477	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	594.29	16.33
23 05 29 00-0478	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	597.24	17.80
23 05 29 00-0479	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	599.01	18.68
23 05 29 00-0480	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	662.24	19.22
23 05 29 00-0481	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	664.08	20.14
23 05 29 00-0482	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	744.04	25.69
23 05 29 00-0483	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,276.78	31.25
23 05 29 00-0484	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,947.39	39.07
23 05 29 00-0485	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,391.71	46.98
23 05 29 00-0486	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,904.82	62.50
23 05 29 00-0487	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	2,936.42	78.30
23 05 29 00-0488	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,176.70	88.20
23 05 29 00-0489	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,354.86	97.92
23 05 29 00-0490	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,260.50	111.81

23 05 29 00-0491 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0371)*

23 05 29 00-0492	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	592.21	15.28
23 05 29 00-0493	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	592.90	15.62
23 05 29 00-0494	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	593.60	15.97
23 05 29 00-0495	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	594.29	16.33
23 05 29 00-0496	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	594.98	16.67
23 05 29 00-0497	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	660.26	18.23
23 05 29 00-0498	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	661.99	19.10
23 05 29 00-0499	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	663.17	19.69
23 05 29 00-0500	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	733.97	20.66
23 05 29 00-0501	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,267.06	26.39
23 05 29 00-0502	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,278.18	31.95
23 05 29 00-0503	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,949.13	39.93
23 05 29 00-0504	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,394.29	48.26
23 05 29 00-0505	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,907.94	64.07
23 05 29 00-0506	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,150.11	79.87
23 05 29 00-0507	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,339.58	90.28
23 05 29 00-0508	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,238.28	100.70

23 05 29 00-0509 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0510	EA	1-1/2" Diameter Size, Sway Bracing	153.33	9.16
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-0511	EA	2" Diameter Size, Sway Bracing	157.56	9.65
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-0512	EA	3" Diameter Size, Sway Bracing	162.79	10.21
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0513	EA	4" Diameter Size, Sway Bracing	184.81	11.60
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0514	EA	6" Diameter Size, Sway Bracing	270.48	17.36
		For Work In Restricted Working Space, Add	*10.42*	
23 05 29 00-0515	EA	8" Diameter Size, Sway Bracing	295.16	21.67
		For Work In Restricted Working Space, Add	*13.02*	
23 05 29 00-0516	EA	10" Diameter Size, Sway Bracing	324.69	28.96
		For Work In Restricted Working Space, Add	*17.36*	

23 05 29 00-0517 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0518	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	360.19	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0519	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	367.20	7.64
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0520	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	725.30	8.68
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0521	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	893.83	9.72
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0522	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	903.62	10.76
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0523	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	991.15	12.15
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0524	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,187.32	13.19
		For Work In Restricted Working Space, Add	*7.92*	
23 05 29 00-0525	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,199.56	14.24
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0526	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,215.13	15.62
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0527	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,263.06	17.02
		For Work In Restricted Working Space, Add	*10.21*	
23 05 29 00-0528	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,350.24	18.75
		For Work In Restricted Working Space, Add	*11.25*	
23 05 29 00-0529	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,387.33	20.83
		For Work In Restricted Working Space, Add	*12.50*	
23 05 29 00-0530	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,695.99	22.92
		For Work In Restricted Working Space, Add	*13.75*	
23 05 29 00-0531	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,845.66	25.69
		For Work In Restricted Working Space, Add	*15.42*	
23 05 29 00-0532	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,626.21	28.47
		For Work In Restricted Working Space, Add	*17.09*	
23 05 29 00-0533	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,228.64	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 05 29 00-0534	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,870.02	34.03
		For Work In Restricted Working Space, Add	*20.42*	

23 05 29 00-0535 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0536	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	9.33	3.12
23 05 29 00-0537	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	9.82	3.47
23 05 29 00-0538	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	11.09	3.64
23 05 29 00-0539	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	11.97	3.82
23 05 29 00-0540	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	13.47	4.17
23 05 29 00-0541	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	15.39	4.34
23 05 29 00-0542	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	20.49	4.52
23 05 29 00-0543	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	22.80	4.86
23 05 29 00-0544	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	28.48	5.55
23 05 29 00-0545	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	45.53	6.25

23 05 29 00-0546 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0547	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.12	
23 05 29 00-0548	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.32	
23 05 29 00-0549	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.45	
23 05 29 00-0550	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.77	
23 05 29 00-0551	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.38	
23 05 29 00-0552	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.96	
23 05 29 00-0553	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.61	
23 05 29 00-0554	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.32	
23 05 29 00-0555	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	4.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0556	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.93	
23 05 29 00-0557	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.26	
23 05 29 00-0558	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.26	
23 05 29 00-0559	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.29	
23 05 29 00-0560	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.93	
23 05 29 00-0561	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.00	
23 05 29 00-0562	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	6.10	
23 05 29 00-0563	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.68	
23 05 29 00-0564	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.84	
23 05 29 00-0565	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	8.20	
23 05 29 00-0566	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	9.94	
23 05 29 00-0567	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	10.07	
23 05 29 00-0568	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	8.55	
23 05 29 00-0569	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	9.94	
23 05 29 00-0570	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	10.78	
23 05 29 00-0571	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.00	
23 05 29 00-0572	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	9.84	
23 05 29 00-0573	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	13.11	
23 05 29 00-0574	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	8.91	
23 05 29 00-0575	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	10.13	
23 05 29 00-0576	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	13.82	

23 05 29 00-0577 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0578 Rooftop Support Base *(23 05 29 00-0577)*

23 05 29 00-0579	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	30.86	5.65
23 05 29 00-0580	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	43.29	7.54

23 05 29 00-0581 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0577)*

23 05 29 00-0582	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	35.73	5.65
23 05 29 00-0583	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	51.20	7.54
23 05 29 00-0584	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	98.42	9.42
23 05 29 00-0585	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	137.51	11.30
23 05 29 00-0586	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	192.55	13.19
23 05 29 00-0587	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	202.06	15.07

23 05 29 00-0588 Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0577)*

23 05 29 00-0589	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	64.13	7.54
23 05 29 00-0590	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	104.19	9.42
23 05 29 00-0591	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	139.83	11.30
23 05 29 00-0592	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	192.68	13.19
23 05 29 00-0593	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	219.81	11.30

23 05 29 00-0594 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0577)*

23 05 29 00-0595	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	108.56	11.30
23 05 29 00-0596	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	123.37	13.19
23 05 29 00-0597	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	127.09	15.07
23 05 29 00-0598	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	138.70	16.96
23 05 29 00-0599	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	179.99	18.84

23 05 29 00-0600 Rooftop Pipe Support Base And Rod *(23 05 29 00-0577)*

23 05 29 00-0601	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	79.45	7.54
23 05 29 00-0602	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	79.45	7.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0603	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	79.93	7.54
23 05 29 00-0604	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	84.20	9.42
23 05 29 00-0605	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	80.66	9.42
23 05 29 00-0606	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	85.20	9.42
23 05 29 00-0607		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0577)*		
23 05 29 00-0608	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	102.62	7.54
23 05 29 00-0609	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	115.32	7.54
23 05 29 00-0610	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	151.57	9.42
23 05 29 00-0611	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	203.50	9.42
23 05 29 00-0612	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	280.63	9.42
23 05 29 00-0613		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0577)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0614	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	126.16	11.30
23 05 29 00-0615		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0577)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0616	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	80.89	9.42
23 05 29 00-0617	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	111.64	11.30
23 05 29 00-0618	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	123.96	13.19
23 05 29 00-0619		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0577)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0620	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	314.52	15.07
23 05 29 00-0621	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	318.18	15.07
23 05 29 00-0622	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	331.00	15.07
23 05 29 00-0623	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	360.43	15.07
23 05 29 00-0624	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	307.99	15.07
23 05 29 00-0625	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	320.26	15.07
23 05 29 00-0626	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	333.09	15.07
23 05 29 00-0627	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	362.51	15.07
23 05 29 00-0628	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	322.58	15.07
23 05 29 00-0629	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	326.86	15.07
23 05 29 00-0630	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	339.43	15.07
23 05 29 00-0631	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	368.99	15.07
23 05 29 00-0632	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	337.48	15.07
23 05 29 00-0633	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	341.38	15.07
23 05 29 00-0634	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	353.96	15.07
23 05 29 00-0635	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	383.51	15.07
23 05 29 00-0636		**Threaded Rod, Accessories And Attachments** *(23 05 29)*		
23 05 29 00-0637		**Threaded Rod And Rod Accessories** *(23 05 29 00-0636)*		
23 05 29 00-0638		**Threaded Rod** *(23 05 29 00-0637)* Note: Fully threaded.		
23 05 29 00-0639	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.68	0.48
		For Galvanized, Add	*0.70*	
		For Zinc Plated, Add	*0.50*	
		For Work In Restricted Working Space, Add	*0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0640	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.78	0.51
		For Galvanized, Add	*1.11*	
		For Zinc Plated, Add	*0.79*	
		For Work In Restricted Working Space, Add	*0.30*	
23 05 29 00-0641	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.34	0.52
		For Galvanized, Add	*1.72*	
		For Zinc Plated, Add	*1.23*	
		For Work In Restricted Working Space, Add	*0.31*	
23 05 29 00-0642	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.88	0.54
		For Galvanized, Add	*3.12*	
		For Zinc Plated, Add	*2.23*	
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0643	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.69	0.56
		For Galvanized, Add	*3.43*	
		For Zinc Plated, Add	*2.45*	
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0644	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.30	0.63
		For Galvanized, Add	*4.82*	
		For Zinc Plated, Add	*3.43*	
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0645	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.58	0.70
		For Galvanized, Add	*6.08*	
		For Zinc Plated, Add	*4.33*	
		For Work In Restricted Working Space, Add	*0.42*	

23 05 29 00-0646 Rod Couplings *(23 05 29 00-0637)*

23 05 29 00-0647	EA	3/8" Diameter, Threaded Rod Coupling Nut	6.50	
		For Work In Restricted Working Space, Add	*1.39*	
23 05 29 00-0648	EA	1/2" Diameter, Threaded Rod Coupling Nut	7.48	
		For Work In Restricted Working Space, Add	*1.54*	
23 05 29 00-0649	EA	5/8" Diameter, Threaded Rod Coupling Nut	9.94	
		For Work In Restricted Working Space, Add	*1.74*	
23 05 29 00-0650	EA	3/4" Diameter, Threaded Rod Coupling Nut	12.81	
		For Work In Restricted Working Space, Add	*1.90*	
23 05 29 00-0651	EA	7/8" Diameter, Threaded Rod Coupling Nut	20.91	
		For Work In Restricted Working Space, Add	*2.09*	
23 05 29 00-0652	EA	1" Diameter, Threaded Rod Coupling Nut	24.87	
		For Work In Restricted Working Space, Add	*2.45*	
23 05 29 00-0653	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	53.44	
		For Work In Restricted Working Space, Add	*2.78*	

23 05 29 00-0654 Flat Washers *(23 05 29 00-0637)*

Note: Zinc plated.

23 05 29 00-0655	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	0.15
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.09*	
23 05 29 00-0656	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.71	0.15
		For Galvanized, Add	*0.09*	
		For Work In Restricted Working Space, Add	*0.11*	
23 05 29 00-0657	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.10	0.22
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.13*	
23 05 29 00-0658	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.52	0.22
		For Galvanized, Add	*0.25*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0659	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.80	0.30
		For Galvanized, Add	*0.29*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0660	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.13	0.30
		For Galvanized, Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.21*	
23 05 29 00-0661	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.40	0.38
		For Galvanized, Add	*0.41*	
		For Work In Restricted Working Space, Add	*0.23*	

23 05 29 00-0662 Hex Nuts *(23 05 29 00-0637)*

Note: Grade 2 and zinc plated.

23 05 29 00-0663	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.19
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.13*	
23 05 29 00-0664	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.77	0.19
		For Galvanized, Add	*0.08*	
		For Work In Restricted Working Space, Add	*0.14*	
23 05 29 00-0665	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.18	0.19
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.15*	
23 05 29 00-0666	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.45	0.38
		For Galvanized, Add	*0.23*	
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0667	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.29	0.38
		For Galvanized, Add	*0.43*	
		For Work In Restricted Working Space, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0668	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.97	0.38
		For Galvanized, Add	*0.59*	
		For Work In Restricted Working Space, Add	*0.19*	
23 05 29 00-0669	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.13	0.38
		For Galvanized, Add	*1.11*	
		For Work In Restricted Working Space, Add	*0.21*	

23 05 29 00-0670 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0637)*

Note: Type 13.

23 05 29 00-0671	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	22.25	3.77
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0672	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	26.66	4.15
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0673	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	28.55	4.53
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0674	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	36.37	5.28
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0675	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	47.67	5.65
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0676	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	59.38	6.03
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0677	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	83.25	6.78
		For Work In Restricted Working Space, Add	*5.66*	

23 05 29 00-0678 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0637)*

Note: Type 15.

23 05 29 00-0679	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	12.95	3.77
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0680	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	15.12	4.22
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0681	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	20.76	4.68
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0682	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	25.34	5.36
		For Work In Restricted Working Space, Add	*3.23*	

23 05 29 00-0683 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0637)*

Note: Type 14.

23 05 29 00-0684	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	78.80	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0685	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	118.67	7.29
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0686	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	128.51	7.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0687	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	133.72	8.33
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0688	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	140.18	9.38
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0689	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	236.31	12.15
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0690	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	255.90	13.89
		For Work In Restricted Working Space, Add	*8.33*	
23 05 29 00-0691	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	300.87	17.36
		For Work In Restricted Working Space, Add	*10.42*	

23 05 29 00-0692 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0637)*

23 05 29 00-0693	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	21.84	4.06
		For Work In Restricted Working Space, Add	*2.45*	
23 05 29 00-0694	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	22.59	4.15
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0695	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	23.32	4.22
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0696	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	23.49	4.30
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0697	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	24.98	4.45
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0698	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	26.66	4.74
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0699	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	27.72	4.97
		For Work In Restricted Working Space, Add	*2.97*	
23 05 29 00-0700	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	29.97	5.20
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0701	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	31.62	5.43
		For Work In Restricted Working Space, Add	*3.25*	
23 05 29 00-0702	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	33.29	5.65
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0703	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	29.83	4.53
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0704	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	30.58	4.60
		For Work In Restricted Working Space, Add	*2.76*	
23 05 29 00-0705	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	31.37	4.68
		For Work In Restricted Working Space, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0706	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	32.12	4.75
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-0707	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	33.64	4.90
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0708	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	36.50	5.21
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0709	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	38.80	5.43
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-0710	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	41.68	5.65
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0711	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	43.95	5.96
		For Work In Restricted Working Space, Add	*3.57*	
23 05 29 00-0712	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	46.25	6.18
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0713	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	41.01	5.05
		For Work In Restricted Working Space, Add	*3.04*	
23 05 29 00-0714	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	42.35	5.13
		For Work In Restricted Working Space, Add	*3.09*	
23 05 29 00-0715	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	43.72	5.21
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0716	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	44.50	5.36
		For Work In Restricted Working Space, Add	*3.19*	
23 05 29 00-0717	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	46.63	5.50
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-0718	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	50.12	5.74
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-0719	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	53.61	6.03
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0720	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	56.50	6.26
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0721	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	59.99	6.56
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0722	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	63.47	6.78
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0723	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	50.69	5.74
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-0724	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	52.66	5.81
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0725	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	54.03	5.96
		For Work In Restricted Working Space, Add	*3.56*	
23 05 29 00-0726	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	55.99	6.03
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0727	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	59.31	6.18
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0728	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	63.99	6.49
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0729	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	68.68	6.71
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0730	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	73.97	7.02
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0731	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	79.25	7.24
		For Work In Restricted Working Space, Add	*4.36*	
23 05 29 00-0732	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	83.95	7.55
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0733	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	60.84	6.64
		For Work In Restricted Working Space, Add	*4.00*	
23 05 29 00-0734	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	63.41	6.78
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0735	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	65.38	6.86
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0736	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	67.34	6.94
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0737	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	71.29	7.17
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0738	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	77.78	7.39
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0739	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	83.68	7.69
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0740	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	90.17	7.99
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0741	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	96.08	8.22
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0742	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	101.98	8.52
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0743	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	76.50	7.99
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0744	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	79.08	8.07
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0745	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	81.67	8.15
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-0746	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	84.26	8.30
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0747	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	89.40	8.52
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0748	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	97.16	8.83
		For Work In Restricted Working Space, Add	*5.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0749	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	104.94	9.12
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0750	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	113.25	9.43
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0751	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	121.01	9.73
		For Work In Restricted Working Space, Add	*5.84*	
23 05 29 00-0752	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	128.79	10.03
		For Work In Restricted Working Space, Add	*6.04*	

23 05 29 00-0753 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0637)*

23 05 29 00-0754	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	47.83	5.50
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0755	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	49.12	5.65
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0756	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	50.42	5.87
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0757	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	50.89	6.11
		For Work In Restricted Working Space, Add	*3.65*	
23 05 29 00-0758	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	53.32	6.33
		For Work In Restricted Working Space, Add	*3.79*	
23 05 29 00-0759	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	56.28	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0760	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	58.19	7.23
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0761	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	62.11	7.76
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0762	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	62.57	6.11
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0763	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	63.89	6.26
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0764	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	65.25	6.41
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0765	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	66.73	6.71
		For Work In Restricted Working Space, Add	*4.02*	
23 05 29 00-0766	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	69.20	6.94
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0767	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	74.17	7.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0768	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	78.15	7.92
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0769	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	83.12	8.45
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0770	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	84.75	6.78
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0771	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	87.05	7.02
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0772	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	89.40	7.17
		For Work In Restricted Working Space, Add	*4.30*	
23 05 29 00-0773	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	90.92	7.46
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0774	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	94.40	7.69
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0775	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	100.40	8.22
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0776	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	106.37	8.75
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0777	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	111.37	9.27
		For Work In Restricted Working Space, Add	*5.55*	
23 05 29 00-0778	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	107.81	7.69
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0779	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	111.16	7.92
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0780	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	113.49	8.07
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0781	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	116.99	8.37
		For Work In Restricted Working Space, Add	*5.01*	
23 05 29 00-0782	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	122.48	8.59
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0783	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	130.46	9.12
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-0784	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	138.45	9.65
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0785	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	147.47	10.26
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0786	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	129.75	8.90
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0787	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	134.09	9.12
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0788	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	137.44	9.27
		For Work In Restricted Working Space, Add	*5.58*	
23 05 29 00-0789	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	140.95	9.58
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0790	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	147.47	9.88
		For Work In Restricted Working Space, Add	*5.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0791	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	158.48	10.40
		For Work In Restricted Working Space, Add	*6.25*	
23 05 29 00-0792	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	168.50	11.01
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0793	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	179.49	11.54
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0794	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	165.82	10.64
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0795	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	170.19	10.86
		For Work In Restricted Working Space, Add	*6.51*	
23 05 29 00-0796	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	174.58	11.08
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0797	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	179.17	11.39
		For Work In Restricted Working Space, Add	*6.83*	
23 05 29 00-0798	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	187.68	11.70
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0799	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	200.84	12.30
		For Work In Restricted Working Space, Add	*7.39*	
23 05 29 00-0800	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	214.00	12.98
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0801	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	228.05	13.58
		For Work In Restricted Working Space, Add	*8.15*	

23 05 29 00-0802 Attachments *(23 05 29 00-0636)*

23 05 29 00-0803 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0802)*

Note: Type 22.

23 05 29 00-0804	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	57.20	7.05
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0805	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	61.33	7.41
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0806	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	65.50	7.83
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0807	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	88.78	8.32
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-0808	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	109.99	8.81
		For Work In Restricted Working Space, Add	*5.29*	
23 05 29 00-0809	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	161.16	10.08
		For Work In Restricted Working Space, Add	*6.05*	
23 05 29 00-0810	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	239.48	10.58
		For Work In Restricted Working Space, Add	*6.35*	

23 05 29 00-0811 C-Clamp Style Beam Clamps (Cooper B-Line B-3034) *(23 05 29 00-0802)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0812	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	14.69	3.84
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0813	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	19.19	4.90
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0814	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	22.64	5.28
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0815	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	32.19	5.65
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0816	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	52.56	6.03
		For Work In Restricted Working Space, Add	*3.77*	

23 05 29 00-0817 Bottom Mount I-Beam Clamps (Cooper B-Line B-3055) *(23 05 29 00-0802)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0818	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	58.84	5.27
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0819	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	93.02	6.78
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0820	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	139.09	7.55
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0821	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	168.25	8.30
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0822	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	437.16	9.05
		For Work In Restricted Working Space, Add	*5.66*	

23 05 29 00-0823 Steel U-Bolts (Cooper B-Line B-3188) *(23 05 29 00-0802)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0824	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	12.17	1.88
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0825	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	13.55	2.26
		For Work In Restricted Working Space, Add	*2.38*	
23 05 29 00-0826	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	14.79	2.26
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0827	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	17.72	2.26
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0828	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	17.94	2.64
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0829	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	19.25	2.64
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0830	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	32.80	2.64
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0831	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	36.54	3.02
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0832	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	46.13	3.39
		For Work In Restricted Working Space, Add	*3.77*	

23 05 29 00-0833 Copper Standoff Brackets With Flange *(23 05 29 00-0802)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0834	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	23.23	10.79
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0835	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	23.34	10.79
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0836	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	23.44	10.79
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0837	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	24.94	11.46
		For Work In Restricted Working Space, Add	*6.86*	
23 05 29 00-0838	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	25.15	11.46
		For Work In Restricted Working Space, Add	*6.86*	

23 05 29 00-0839 Malleable Iron Eye Sockets (Cooper B-Line B-3222) *(23 05 29 00-0802)*

Note: Type 16.

23 05 29 00-0840	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	13.95	1.13
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0841	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	17.66	1.51
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0842	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	33.11	1.51
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0843	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	48.32	1.51
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0844	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	51.51	1.88
		For Work In Restricted Working Space, Add	*1.13*	

23 05 29 00-0845 Steel Weldless Eye Nuts (Cooper B-Line B-3200) *(23 05 29 00-0802)*

Note: Type 17.

23 05 29 00-0846	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	52.12	1.13
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0847	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	52.85	1.51
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0848	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	52.88	1.51
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0849	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	52.85	1.51
		For Work In Restricted Working Space, Add	*0.91*	
23 05 29 00-0850	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	106.24	1.66
		For Work In Restricted Working Space, Add	*1.02*	
23 05 29 00-0851	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	106.61	1.88
		For Work In Restricted Working Space, Add	*1.13*	

23 05 29 00-0852 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0802)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0853	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	28.21	3.52
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0854	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	34.86	3.88
		For Work In Restricted Working Space, Add	*2.33*	
23 05 29 00-0855	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	43.37	4.23
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0856	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	63.18	4.59
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0857	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	101.15	5.29
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0858	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	30.17	3.52
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0859	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	37.63	3.88
		For Work In Restricted Working Space, Add	*2.33*	
23 05 29 00-0860	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.37	4.23
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0861	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	70.49	4.59
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0862	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	113.63	5.29
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0863	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	34.74	3.52
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0864	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	42.77	3.88
		For Work In Restricted Working Space, Add	*2.33*	
23 05 29 00-0865	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	55.41	4.23
		For Work In Restricted Working Space, Add	*2.57*	
23 05 29 00-0866	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	84.15	4.59
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0867	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	140.34	5.29
		For Work In Restricted Working Space, Add	*3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0868		**Side Beam Brackets (Cooper B-Line B-3062)** *(23 05 29 00-0802)*		
		Note: Type 34.		
23 05 29 00-0869	EA	3/8" Diameter Rod Size, Side Beam Bracket	17.94	4.90
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0870	EA	1/2" Diameter Rod Size, Side Beam Bracket	22.70	4.90
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0871	EA	5/8" Diameter Rod Size, Side Beam Bracket	32.34	5.28
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0872	EA	3/4" Diameter Rod Size, Side Beam Bracket	67.38	5.65
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0873	EA	7/8" Diameter Rod Size, Side Beam Bracket	80.22	6.41
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0874		**Hex Lag Bolts** *(23 05 29 00-0802)*		
		Note: Also known as coach screws.		
23 05 29 00-0875	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	2.16	
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0876	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	2.50	
		For Work In Restricted Working Space, Add	*0.49*	
23 05 29 00-0877	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	2.95	
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0878	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	3.80	
		For Work In Restricted Working Space, Add	*0.53*	
23 05 29 00-0879	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	4.09	
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0880	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	4.25	
		For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0881	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	3.01	
		For Work In Restricted Working Space, Add	*0.56*	
23 05 29 00-0882	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	3.64	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0883	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	4.45	
		For Work In Restricted Working Space, Add	*0.62*	
23 05 29 00-0884	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	5.38	
		For Work In Restricted Working Space, Add	*0.64*	
23 05 29 00-0885	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	6.60	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0886	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	7.12	
		For Work In Restricted Working Space, Add	*0.71*	
23 05 29 00-0887	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	4.29	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0888	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	5.11	
		For Work In Restricted Working Space, Add	*0.64*	
23 05 29 00-0889		**Fiberglass Beam Clamp** *(23 05 29 00-0802)*		
23 05 29 00-0890	EA	3/8" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	239.93	7.54
23 05 29 00-0891	EA	1/2" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	244.17	7.54
23 05 29 00-0892	EA	5/8" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	262.41	7.54
23 05 29 00-0893		**Stainless Steel Threaded Rod And Rod Accessories** *(23 05 29 00-0636)*		
23 05 29 00-0894		**304 Stainless Steel Threaded Rod** *(23 05 29 00-0893)*		
23 05 29 00-0895	LF	1/4" Diameter, 304 Stainless Steel Threaded Rod	3.67	0.38
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0896	LF	5/16" Diameter, 304 Stainless Steel Threaded Rod	5.81	0.38
		For Work In Restricted Working Space, Add	*0.25*	
23 05 29 00-0897	LF	3/8" Diameter, 304 Stainless Steel Threaded Rod	7.50	0.45
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0898	LF	7/16" Diameter, 304 Stainless Steel Threaded Rod	10.80	0.45
		For Work In Restricted Working Space, Add	*0.27*	
23 05 29 00-0899	LF	1/2" Diameter, 304 Stainless Steel Threaded Rod	13.14	0.45
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0900	LF	5/8" Diameter, 304 Stainless Steel Threaded Rod	20.21	0.53
		For Work In Restricted Working Space, Add	*0.30*	
23 05 29 00-0901	LF	3/4" Diameter, 304 Stainless Steel Threaded Rod	28.70	0.53
		For Work In Restricted Working Space, Add	*0.32*	
23 05 29 00-0902	LF	7/8" Diameter, 304 Stainless Steel Threaded Rod	39.86	0.53
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0903	LF	1" Diameter, 304 Stainless Steel Threaded Rod	51.29	0.60
		For Work In Restricted Working Space, Add	*0.38*	
23 05 29 00-0904	LF	1-1/4" Diameter, 304 Stainless Steel Threaded Rod	109.59	0.75
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0905		**304 Stainless Steel Flat Washers** *(23 05 29 00-0893)*		
23 05 29 00-0906	EA	3/8" Diameter, 304 Stainless Steel Flat Washer	0.65	0.15
		For Work In Restricted Working Space, Add	*0.09*	
23 05 29 00-0907	EA	1/2" Diameter, 304 Stainless Steel Flat Washer	1.52	0.15
		For Work In Restricted Working Space, Add	*0.11*	
23 05 29 00-0908		**304 Stainless Steel Hex Nuts** *(23 05 29 00-0893)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0909	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.91	0.75
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0910	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	2.76	0.75
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0911		**316 Stainless Steel U-Bolts** *(23 05 29 00-0893)*		
		Note: Type 24. Includes nuts.		
23 05 29 00-0912	EA	1/2" Diameter Size, 316 Stainless Steel U-Bolt	25.09	3.77
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0913	EA	3/4" Diameter Size, 316 Stainless Steel U-Bolt	25.80	3.99
		For Work In Restricted Working Space, Add	*2.38*	
23 05 29 00-0914	EA	1" Diameter Size, 316 Stainless Steel U-Bolt	26.75	4.22
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0915	EA	1-1/4" Diameter Size, 316 Stainless Steel U-Bolt	27.80	4.45
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0916	EA	1-1/2" Diameter Size, 316 Stainless Steel U-Bolt	28.93	4.67
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0917	EA	2" Diameter Size, 316 Stainless Steel U-Bolt	37.10	5.05
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0918	EA	2-1/2" Diameter Size, 316 Stainless Steel U-Bolt	39.68	5.35
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0919	EA	3" Diameter Size, 316 Stainless Steel U-Bolt	42.55	5.80
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0920	EA	3-1/2" Diameter Size, 316 Stainless Steel U-Bolt	44.76	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0921	EA	4" Diameter Size, 316 Stainless Steel U-Bolt	47.38	6.26
		For Work In Restricted Working Space, Add	*3.77*	
23 05 29 00-0922	EA	5" Diameter Size, 316 Stainless Steel U-Bolt	89.64	6.48
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0923	EA	6" Diameter Size, 316 Stainless Steel U-Bolt	155.53	6.55
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0924	EA	8" Diameter Size, 316 Stainless Steel U-Bolt	237.32	6.71
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0925	EA	10" Diameter Size, 316 Stainless Steel U-Bolt	342.66	6.93
		For Work In Restricted Working Space, Add	*4.16*	
23 05 29 00-0926	EA	12" Diameter Size, 316 Stainless Steel U-Bolt	535.77	7.16
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0927		**Hanger Strap** *(23 05 29 00-0636)*		
23 05 29 00-0928	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	3.76	
23 05 29 00-0929		**Shields And Saddles** *(23 05 29)*		
23 05 29 00-0930		**Insulation Protection Shield** *(23 05 29 00-0929)*		
		Note: Type 40.		
23 05 29 00-0931		**Insulation Protection Shield (Cooper B-Line B3151)** *(23 05 29 00-0930)*		
23 05 29 00-0932	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	12.14	1.81
		For Work In Restricted Working Space, Add	*1.81*	
23 05 29 00-0933	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	12.33	1.83
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0934	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	12.65	1.85
		For Work In Restricted Working Space, Add	*1.85*	
23 05 29 00-0935	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	13.32	1.88
		For Work In Restricted Working Space, Add	*1.88*	
23 05 29 00-0936	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	14.91	1.92
		For Work In Restricted Working Space, Add	*1.92*	
23 05 29 00-0937	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.62	1.97
		For Work In Restricted Working Space, Add	*1.97*	
23 05 29 00-0938	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	21.96	2.01
		For Work In Restricted Working Space, Add	*2.01*	
23 05 29 00-0939	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	27.29	2.05
		For Work In Restricted Working Space, Add	*2.06*	
23 05 29 00-0940	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	35.68	2.08
		For Work In Restricted Working Space, Add	*2.08*	
23 05 29 00-0941	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	39.05	2.11
		For Work In Restricted Working Space, Add	*2.11*	
23 05 29 00-0942	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	54.61	2.13
		For Work In Restricted Working Space, Add	*2.13*	
23 05 29 00-0943	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	61.63	2.15
		For Work In Restricted Working Space, Add	*2.15*	
23 05 29 00-0944	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	116.36	2.18
		For Work In Restricted Working Space, Add	*2.17*	
23 05 29 00-0945	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	126.64	2.22
		For Work In Restricted Working Space, Add	*2.22*	
23 05 29 00-0946	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	153.54	2.26
		For Work In Restricted Working Space, Add	*2.27*	
23 05 29 00-0947		**Insulation Protection Shield (Cooper B-Line B3154)** *(23 05 29 00-0930)*		
23 05 29 00-0948	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	10.46	1.81
		For Work In Restricted Working Space, Add	*1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0949	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	10.62	1.83
		For Work In Restricted Working Space, Add	*1.83*	
23 05 29 00-0950	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	10.87	1.85
		For Work In Restricted Working Space, Add	*1.85*	
23 05 29 00-0951	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	11.38	1.88
		For Work In Restricted Working Space, Add	*1.88*	
23 05 29 00-0952	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	12.57	1.92
		For Work In Restricted Working Space, Add	*1.92*	
23 05 29 00-0953	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.30	1.97
		For Work In Restricted Working Space, Add	*1.97*	
23 05 29 00-0954	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	16.56	2.01
		For Work In Restricted Working Space, Add	*2.01*	
23 05 29 00-0955	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.68	2.05
		For Work In Restricted Working Space, Add	*2.06*	
23 05 29 00-0956	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	26.46	2.08
		For Work In Restricted Working Space, Add	*2.08*	

23 05 29 00-0957 Pipe Covering Protection Saddle *(23 05 29 00-0929)*

Note: Sizes are pipe sizes.

23 05 29 00-0958 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0957)*

23 05 29 00-0959	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	18.99	2.50
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0960	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	19.06	2.52
		For Work In Restricted Working Space, Add	*2.52*	
23 05 29 00-0961	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	19.13	2.54
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0962	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	20.17	2.58
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0963	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	20.25	2.60
		For Work In Restricted Working Space, Add	*2.60*	
23 05 29 00-0964	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	20.96	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0965	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.62	2.69
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0966	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.88	2.73
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0967	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	30.53	2.81
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0968	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.79	2.92
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0969	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	42.61	2.96
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0970	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	51.10	2.96
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0971	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.09	3.07
		For Work In Restricted Working Space, Add	*3.07*	

23 05 29 00-0972 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0957)*

23 05 29 00-0973	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	21.83	2.50
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0974	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	21.90	2.52
		For Work In Restricted Working Space, Add	*2.52*	
23 05 29 00-0975	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	21.97	2.54
		For Work In Restricted Working Space, Add	*2.54*	
23 05 29 00-0976	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	22.82	2.58
		For Work In Restricted Working Space, Add	*2.58*	
23 05 29 00-0977	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	24.88	2.60
		For Work In Restricted Working Space, Add	*2.60*	
23 05 29 00-0978	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.98	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0979	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.44	2.69
		For Work In Restricted Working Space, Add	*2.69*	
23 05 29 00-0980	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.58	2.69
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0981	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	35.84	2.81
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0982	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	43.00	2.92
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0983	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	48.76	2.96
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0984	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	58.69	3.03
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0985	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	64.61	3.07
		For Work In Restricted Working Space, Add	*3.07*	

23 05 29 00-0986 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0957)*

23 05 29 00-0987	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	23.43	2.62
		For Work In Restricted Working Space, Add	*2.63*	
23 05 29 00-0988	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	23.49	2.64
		For Work In Restricted Working Space, Add	*2.64*	
23 05 29 00-0989	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	24.89	2.66
		For Work In Restricted Working Space, Add	*2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0990	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	25.71	2.71
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0991	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	26.44	2.73
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-0992	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	26.57	2.78
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0993	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.25	2.82
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0994	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.91	2.86
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-0995	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	39.05	2.95
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-0996	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	44.67	3.07
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-0997	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	47.05	3.11
		For Work In Restricted Working Space, Add	*3.11*	
23 05 29 00-0998	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	64.88	3.17
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-0999	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	72.25	3.22
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-1000	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	79.77	3.30
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-1001	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	87.28	3.39
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-1002	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	96.06	3.47
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-1003	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	110.58	3.55
		For Work In Restricted Working Space, Add	*3.56*	

23 05 29 00-1004 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0957)*

23 05 29 00-1005	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	26.54	2.73
		For Work In Restricted Working Space, Add	*2.73*	
23 05 29 00-1006	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	28.15	2.77
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-1007	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	28.98	2.80
		For Work In Restricted Working Space, Add	*2.79*	
23 05 29 00-1008	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	29.87	2.84
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-1009	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	30.08	2.89
		For Work In Restricted Working Space, Add	*2.90*	
23 05 29 00-1010	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.57	2.93
		For Work In Restricted Working Space, Add	*2.94*	
23 05 29 00-1011	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	41.19	3.03
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-1012	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	48.55	3.14
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-1013	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	52.26	3.19
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-1014	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	66.55	3.25
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-1015	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	79.83	3.30
		For Work In Restricted Working Space, Add	*3.30*	
23 05 29 00-1016	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	93.25	3.38
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-1017	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	99.25	3.46
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-1018	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	105.93	3.55
		For Work In Restricted Working Space, Add	*3.56*	
23 05 29 00-1019	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	112.61	3.64
		For Work In Restricted Working Space, Add	*3.64*	

23 05 29 00-1020 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0957)*

23 05 29 00-1021	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	30.03	2.86
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-1022	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	33.06	2.91
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-1023	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	34.61	2.95
		For Work In Restricted Working Space, Add	*2.96*	
23 05 29 00-1024	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	36.17	3.01
		For Work In Restricted Working Space, Add	*3.01*	
23 05 29 00-1025	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	42.09	3.10
		For Work In Restricted Working Space, Add	*3.09*	
23 05 29 00-1026	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	53.80	3.21
		For Work In Restricted Working Space, Add	*3.22*	
23 05 29 00-1027	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	58.66	3.25
		For Work In Restricted Working Space, Add	*3.26*	
23 05 29 00-1028	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	77.77	3.33
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-1029	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	93.76	3.38
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-1030	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	109.77	3.46
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-1031	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	111.81	3.54
		For Work In Restricted Working Space, Add	*3.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1032	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	113.79	3.64
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-1033	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	145.85	3.72
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-1034		**Saddle, For 4" Insulation (Cooper B-Line B3165)** *(23 05 29 00-0957)*		
23 05 29 00-1035	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	34.33	2.92
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-1036	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	37.94	2.97
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-1037	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	39.76	3.03
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-1038	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	41.69	3.07
		For Work In Restricted Working Space, Add	*3.07*	
23 05 29 00-1039	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	51.80	3.17
		For Work In Restricted Working Space, Add	*3.17*	
23 05 29 00-1040	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	61.89	3.28
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-1041	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	64.06	3.34
		For Work In Restricted Working Space, Add	*3.34*	
23 05 29 00-1042	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	83.29	3.41
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-1043	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	102.24	3.45
		For Work In Restricted Working Space, Add	*3.45*	
23 05 29 00-1044	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	121.30	3.54
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-1045	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	149.51	3.63
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-1046	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	177.53	3.72
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-1047	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	190.20	3.81
		For Work In Restricted Working Space, Add	*3.81*	
23 05 29 00-1048	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	200.32	3.90
		For Work In Restricted Working Space, Add	*3.91*	
23 05 29 00-1049	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	207.80	4.01
		For Work In Restricted Working Space, Add	*4.00*	
23 05 29 00-1050		**Adjustable Pipe Saddle Support (Cooper B-Line B3096)** *(23 05 29 00-0929)*		
23 05 29 00-1051	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	78.81	9.43
23 05 29 00-1052	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	82.92	10.93
23 05 29 00-1053	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	101.18	12.45
23 05 29 00-1054	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	105.13	13.58
23 05 29 00-1055	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	116.63	15.08
23 05 29 00-1056	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	131.27	18.85
23 05 29 00-1057	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	171.27	25.26
23 05 29 00-1058	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	206.44	37.71
23 05 29 00-1059		**Pipe Stanchion Support (Cooper B-Line B3090)** *(23 05 29 00-0929)*		
23 05 29 00-1060	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	99.30	9.43
23 05 29 00-1061	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	102.00	10.93
23 05 29 00-1062	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	109.18	11.70
23 05 29 00-1063	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	110.94	12.45
23 05 29 00-1064	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	116.36	13.58
23 05 29 00-1065	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	122.81	15.08
23 05 29 00-1066	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	156.20	18.85
23 05 29 00-1067	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	210.95	25.26
23 05 29 00-1068	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	272.12	37.71
23 05 29 00-1069		**Pipe Saddle Support (Cooper B-Line B3095)** *(23 05 29 00-0929)*		
23 05 29 00-1070	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	47.36	9.43
23 05 29 00-1071	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	50.06	10.93
23 05 29 00-1072	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	79.06	11.70
23 05 29 00-1073	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	80.82	12.45
23 05 29 00-1074	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	89.05	13.58
23 05 29 00-1075	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	98.68	15.08
23 05 29 00-1076	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	111.98	18.85
23 05 29 00-1077	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	128.16	25.26
23 05 29 00-1078	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	157.21	37.71
23 05 29 00-1079		**360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0929)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-1080		**1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1079)*		
23 05 29 00-1081	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.99	4.08
23 05 29 00-1082	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.27	4.08
23 05 29 00-1083	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.35	4.08
23 05 29 00-1084	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.63	4.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1085	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.37	4.33
23 05 29 00-1086	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.93	4.45
23 05 29 00-1087	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.61	4.65
23 05 29 00-1088	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.34	4.83
23 05 29 00-1089	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.80	5.03
23 05 29 00-1090	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.09	4.33
23 05 29 00-1091	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.65	5.65
23 05 29 00-1092	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.74	6.66
23 05 29 00-1093	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.15	7.73
23 05 29 00-1094	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.74	7.97
23 05 29 00-1095		**1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1079)*		
23 05 29 00-1096	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.10	3.08
23 05 29 00-1097	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.51	3.08
23 05 29 00-1098	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.78	3.14
23 05 29 00-1099	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.23	3.20
23 05 29 00-1100	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.65	3.20
23 05 29 00-1101	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.36	3.32
23 05 29 00-1102	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.15	3.46
23 05 29 00-1103	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.52	3.52
23 05 29 00-1104	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.00	3.83
23 05 29 00-1105	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.09	6.59
23 05 29 00-1106	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.53	4.96
23 05 29 00-1107	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.05	5.84
23 05 29 00-1108	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.29	6.72
23 05 29 00-1109	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.24	8.10
23 05 29 00-1110		**2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1079)*		
23 05 29 00-1111	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.67	3.52
23 05 29 00-1112	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.90	3.52
23 05 29 00-1113	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.49	3.58
23 05 29 00-1114	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.99	3.64
23 05 29 00-1115	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.51	3.70
23 05 29 00-1116	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.10	3.83
23 05 29 00-1117	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.06	3.95
23 05 29 00-1118	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.95	4.08
23 05 29 00-1119	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.01	4.33
23 05 29 00-1120	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.93	4.89
23 05 29 00-1121	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.61	8.35
23 05 29 00-1122	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.18	9.67
23 05 29 00-1123	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.53	11.43
23 05 29 00-1124	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.67	12.81
23 05 29 00-1125	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.08	14.44
23 05 29 00-1126	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.27	16.95
23 05 29 00-1127	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	66.90	18.84
23 05 29 00-1128	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.51	21.34
23 05 29 00-1129		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1079)*		
23 05 29 00-1130	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.63	4.08
23 05 29 00-1131	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.89	4.08
23 05 29 00-1132	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.58	4.15
23 05 29 00-1133	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.11	4.21
23 05 29 00-1134	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.66	4.21
23 05 29 00-1135	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.39	4.39
23 05 29 00-1136	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.48	4.53
23 05 29 00-1137	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.46	4.71
23 05 29 00-1138	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.79	4.96
23 05 29 00-1139	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.16	5.65
23 05 29 00-1140	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.74	6.28
23 05 29 00-1141	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.84	7.22
23 05 29 00-1142	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.20	8.98
23 05 29 00-1143	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.73	9.86
23 05 29 00-1144	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.78	12.56
23 05 29 00-1145	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.79	13.19
23 05 29 00-1146	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.00	15.07
23 05 29 00-1147	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	91.43	18.20
23 05 29 00-1148		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1079)*		
23 05 29 00-1149	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.26	4.21
23 05 29 00-1150	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.96	4.39
23 05 29 00-1151	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.36	4.39
23 05 29 00-1152	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.80	4.53
23 05 29 00-1153	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.53	4.65
23 05 29 00-1154	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.49	4.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1155	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.83	4.83
23 05 29 00-1156	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	66.70	5.15
23 05 29 00-1157	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.92	5.34
23 05 29 00-1158	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	84.63	6.53
23 05 29 00-1159	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.68	7.16
23 05 29 00-1160	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	133.26	7.53
23 05 29 00-1161	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	151.86	9.73
23 05 29 00-1162	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	171.52	10.36
23 05 29 00-1163	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	203.30	13.81
23 05 29 00-1164	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	218.92	15.07
23 05 29 00-1165	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	248.13	16.33
23 05 29 00-1166	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	291.35	20.09

23 05 29 00-1167 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1079)*

23 05 29 00-1168	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.63	4.08
23 05 29 00-1169	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.85	4.96
23 05 29 00-1170	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.92	4.96
23 05 29 00-1171	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.52	5.03
23 05 29 00-1172	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.22	5.09
23 05 29 00-1173	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.03	5.27
23 05 29 00-1174	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.35	5.46
23 05 29 00-1175	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.44	5.65
23 05 29 00-1176	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.37	5.96
23 05 29 00-1177	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.38	6.78
23 05 29 00-1178	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.85	7.53
23 05 29 00-1179	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.41	8.66
23 05 29 00-1180	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.83	10.79
23 05 29 00-1181	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.69	11.80
23 05 29 00-1182	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.54	15.07
23 05 29 00-1183	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	82.54	15.82
23 05 29 00-1184	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.63	18.08
23 05 29 00-1185	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	109.72	21.85

23 05 29 00-1186 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1079)*

23 05 29 00-1187	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.08	5.52
23 05 29 00-1188	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.43	5.52
23 05 29 00-1189	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.37	5.59
23 05 29 00-1190	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.12	5.65
23 05 29 00-1191	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.76	5.65
23 05 29 00-1192	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.03	6.02
23 05 29 00-1193	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.26	6.09
23 05 29 00-1194	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.63	6.34
23 05 29 00-1195	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.75	6.72
23 05 29 00-1196	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.30	7.59
23 05 29 00-1197	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.73	8.23
23 05 29 00-1198	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.84	9.80
23 05 29 00-1199	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.08	12.18
23 05 29 00-1200	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.91	13.25
23 05 29 00-1201	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.13	16.95
23 05 29 00-1202	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	92.82	17.77
23 05 29 00-1203	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	103.84	20.34
23 05 29 00-1204	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	123.45	24.62
23 05 29 00-1205	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	139.64	28.95
23 05 29 00-1206	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	157.39	34.16
23 05 29 00-1207	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	175.98	40.37
23 05 29 00-1208	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	245.94	62.35
23 05 29 00-1209	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	263.10	68.63
23 05 29 00-1210	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	279.09	74.08

23 05 29 00-1211 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.

23 05 29 00-1212 Molded Plastic Condenser Pad *(23 05 29 00-1211)*

23 05 29 00-1213	EA	30" Round Molded Plastic Pad	156.96	9.42
23 05 29 00-1214	EA	30" Octagon Molded Plastic Pad	166.05	9.42
23 05 29 00-1215	EA	30" x 30" Molded Plastic Pad	156.96	9.42
23 05 29 00-1216	EA	36" x 36" Molded Plastic Pad	211.40	9.42
23 05 29 00-1217	EA	36" x 48" Molded Plastic Pad	313.25	9.42

23 05 29 00-1218 Inertia Base *(23 05 29 00-1211)*

Note: Includes spring isolators.

23 05 29 00-1219	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,016.12	
23 05 29 00-1220	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,438.36	
23 05 29 00-1221	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	2,793.12	
23 05 29 00-1222	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,192.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1223		**Hanger Assemblies** *(23 05 29)*		
		Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1224	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	38.04	11.73
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-1225	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	39.43	12.42
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-1226	EA	1" Standard Duty Clevis Pipe Hanger Assembly	40.61	13.17
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.30*	
23 05 29 00-1227	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	41.29	13.20
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.42*	
23 05 29 00-1228	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	41.52	13.20
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.42*	
23 05 29 00-1229	EA	2" Standard Duty Clevis Pipe Hanger Assembly	42.40	13.31
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.55*	
23 05 29 00-1230	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly	50.09	13.15
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.04*	
23 05 29 00-1231	EA	3" Standard Duty Clevis Pipe Hanger Assembly	51.69	13.53
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-1232	EA	4" Standard Duty Clevis Pipe Hanger Assembly	64.41	15.27
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*9.01*	
23 05 29 00-1233	EA	6" Standard Duty Clevis Pipe Hanger Assembly	99.04	19.74
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*11.84*	
23 05 29 00-1234	EA	8" Standard Duty Clevis Pipe Hanger Assembly	113.08	22.90
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.74*	
23 05 29 00-1235	EA	10" Standard Duty Clevis Pipe Hanger Assembly	163.69	29.08
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*17.23*	
23 05 29 00-1236	EA	12" Standard Duty Clevis Pipe Hanger Assembly	177.98	31.30
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*18.81*	
23 05 29 00-1237		**Steel Shapes For Hanger Devices** *(23 05 29)*		
23 05 29 00-1238		**Angle Iron For Hanger Devices** *(23 05 29 00-1237)*		
23 05 29 00-1239	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.02	1.10
23 05 29 00-1240	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	2.71	1.37
23 05 29 00-1241	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	3.38	1.64
23 05 29 00-1242	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	4.92	2.05
23 05 29 00-1243	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	5.59	2.19
23 05 29 00-1244	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	8.02	2.46
23 05 29 00-1245	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	10.07	2.99
23 05 29 00-1246	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	13.44	3.51
23 05 29 00-1247	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	16.15	4.11
23 05 29 00-1248		**Channels For Hanger Devices** *(23 05 29 00-1237)*		
23 05 29 00-1249	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	5.95	2.51
23 05 29 00-1250	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	10.91	3.61
23 05 29 00-1251	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	13.80	4.34
23 05 29 00-1252	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	16.69	5.06
23 05 29 00-1253	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	20.28	6.07
23 05 29 00-1254	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	24.19	7.23
23 05 29 00-1255	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	27.69	7.95
23 05 29 00-1256		**Structural Bar Tees For Hanger Devices** *(23 05 29 00-1237)*		
23 05 29 00-1257	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	5.77	3.53
23 05 29 00-1258	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	6.95	4.18
23 05 29 00-1259	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	11.13	4.82
23 05 29 00-1260	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	14.37	6.42
23 05 29 00-1261	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	20.71	7.71
23 05 29 00-1262	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	25.80	9.95
23 05 29 00-1263		**Structural Zees For Hanger Devices** *(23 05 29 00-1237)*		
23 05 29 00-1264	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	11.15	4.82
23 05 29 00-1265	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	14.48	4.82
23 05 29 00-1266	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	21.93	4.82
23 05 29 00-1267	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	28.57	4.82
23 05 29 00-1268	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	35.90	4.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1269		Junior I-beams For Hanger Devices *(23 05 29 00-1237)*		
23 05 29 00-1270	LF	3" I-beam (Junior) For Hanger Devices	12.92	7.07
23 05 29 00-1271	LF	4" I-beam (Junior) For Hanger Devices	15.23	7.71
23 05 29 00-1272	LF	5" I-beam (Junior) For Hanger Devices	18.12	8.35
23 05 29 00-1273	LF	6" I-beam (Junior) For Hanger Devices	19.90	9.32
23 05 29 00-1274	LF	7" I-beam (Junior) For Hanger Devices	24.75	9.95
23 05 29 00-1275	LF	8" I-beam (Junior) For Hanger Devices	26.92	10.60

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001		Unhoused Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	94.35	21.10
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	102.75	21.10
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	130.62	21.10
23 05 48 13-0005		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0006		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0005)*		
23 05 48 13-0007	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	150.52	13.58
23 05 48 13-0008	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	341.16	15.08
23 05 48 13-0009		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0005)*		
23 05 48 13-0010	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	76.74	11.31
23 05 48 13-0011	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	101.50	13.58
23 05 48 13-0012		Spring Hanger For 1" Deflection *(23 05 48 13-0005)*		
23 05 48 13-0013	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	85.73	13.58
23 05 48 13-0014	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 25-350 Lb.	105.86	13.58
23 05 48 13-0015	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 350-600 Lb.	160.29	13.58
23 05 48 13-0016	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 45-900 Lb.	176.94	13.58
23 05 48 13-0017	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 900-1,500 Lb.	193.58	13.58
23 05 48 13-0018		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0005)*		
23 05 48 13-0019	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	157.09	25.65
23 05 48 13-0020	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	231.47	25.65
23 05 48 13-0021	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	486.69	25.65
23 05 48 13-0022		Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0005)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0023	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	125.75	25.65
23 05 48 13-0024	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	131.29	25.65
23 05 48 13-0025		Open Double Spring Type Vibration Isolator *(23 05 48 13-0005)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0026	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	111.13	12.82
23 05 48 13-0027	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	111.13	12.82
23 05 48 13-0028	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	129.61	12.82
23 05 48 13-0029	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	129.61	12.82
23 05 48 13-0030	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	213.16	12.82
23 05 48 13-0031		Isolation Pads *(23 05 48 13-0005)*		
23 05 48 13-0032		Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0031)*		
23 05 48 13-0033	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	5.03	1.88
23 05 48 13-0034	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	6.96	1.96
23 05 48 13-0035	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.18	2.03
23 05 48 13-0036	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	42.89	2.34
23 05 48 13-0037	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	84.23	2.64
23 05 48 13-0038		Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0031)*		
23 05 48 13-0039	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	99.25	1.88
23 05 48 13-0040	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	109.82	1.88
23 05 48 13-0041		Neoprene Isolation Pad *(23 05 48 13-0031)*		
23 05 48 13-0042	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	4.55	1.88
23 05 48 13-0043	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	5.40	1.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0044	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	6.79	1.88
23 05 48 13-0045	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	42.15	2.26
23 05 48 13-0046	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	78.98	2.64
23 05 48 13-0047		**Ribbed Neoprene Isolation Pad** *(23 05 48 13-0031)*		
23 05 48 13-0048	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	4.42	1.88
23 05 48 13-0049	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	5.16	1.96
23 05 48 13-0050	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	6.38	2.03
23 05 48 13-0051	EA	6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad	9.31	2.19
23 05 48 13-0052	EA	9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad	17.62	2.34
23 05 48 13-0053	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	34.26	2.64
23 05 48 13-0054		**Cork And Ribbed Neoprene Isolation Pad** *(23 05 48 13-0031)*		
23 05 48 13-0055	EA	2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	4.71	1.88
23 05 48 13-0056	EA	3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	6.49	1.96
23 05 48 13-0057	EA	4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	8.46	2.03
23 05 48 13-0058	EA	6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	12.44	2.19
23 05 48 13-0059	EA	9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	24.35	2.34
23 05 48 13-0060	EA	18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	54.37	2.64
23 05 48 13-0061		**Cork, Ribbed Neoprene And Steel Isolation Pad** *(23 05 48 13-0031)*		
23 05 48 13-0062	EA	2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	78.17	1.88
23 05 48 13-0063	EA	3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	98.94	1.96
23 05 48 13-0064	EA	4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	132.31	2.03
23 05 48 13-0065	EA	5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	170.10	2.19
23 05 48 13-0066	EA	6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	209.18	2.34
23 05 48 13-0067	EA	8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	254.59	2.64
23 05 48 13-0068		**Rubber Cube Isolation Pad** *(23 05 48 13-0031)*		
23 05 48 13-0069	EA	2" x 2", 3/4" Thick Rubber Cube Isolation Pad	4.80	1.88
23 05 48 13-0070	EA	4" x 4", 3/4" Thick Rubber Cube Isolation Pad	8.56	2.03
23 05 48 13-0071	EA	18" x 18", 3/4" Thick Rubber Cube Isolation Pad	64.99	2.64
23 05 48 13-0072		**Vibra Strip For 1-5/8" Wide B Line Channel** *(23 05 48 13-0031)*		
23 05 48 13-0073	LF	BVS Type - Vibra Strip For 1-5/8" Wide B-Line Channel	5.49	0.38
23 05 48 13-0074		**Vibration Isolators For Equipment** *(23 05 48 13)*		
23 05 48 13-0075		**Isolation Mounts For Equipment** *(23 05 48 13-0074)*		
23 05 48 13-0076		**Molded Neoprene Mounts** *(23 05 48 13-0075)*		
23 05 48 13-0077	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 25-45 Lb.	69.64	3.77
23 05 48 13-0078	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 45-110 Lb.	69.64	3.77
23 05 48 13-0079	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 110-210 Lb.	69.64	3.77
23 05 48 13-0080	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 210-340 Lb.	69.64	3.77
23 05 48 13-0081	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 230-380 Lb.	77.45	4.53
23 05 48 13-0082	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 380-700 Lb.	170.12	4.53
23 05 48 13-0083	EA	6" x 3-1/2" x 2-3/8" Molded Neoprene Mount, 550-930 Lb.	172.38	5.65
23 05 48 13-0084		**Cup Mounts** *(23 05 48 13-0075)*		
23 05 48 13-0085	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 8-14 Lb.	239.24	3.77
23 05 48 13-0086	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 14-24 Lb.	239.24	3.77
23 05 48 13-0087	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 24-38 Lb.	239.24	3.77
23 05 48 13-0088	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 38-60 Lb.	239.24	3.77
23 05 48 13-0089	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 15-30 Lb.	348.56	3.77
23 05 48 13-0090	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 30-50 Lb.	348.56	3.77
23 05 48 13-0091	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 50-80 Lb.	348.56	3.77
23 05 48 13-0092	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 80-110 Lb.	348.56	3.77
23 05 48 13-0093		**Free Standing Spring Mounts, 1" Deflection (OML Type)** *(23 05 48 13-0075)*		
23 05 48 13-0094	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 25-50 Lb.	152.91	9.43
23 05 48 13-0095	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 50-100 Lb.	152.91	9.43
23 05 48 13-0096	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 100-150 Lb.	152.91	9.43
23 05 48 13-0097	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 150-250 Lb.	152.91	9.43
23 05 48 13-0098	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 250-350 Lb.	152.91	9.43
23 05 48 13-0099	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 350-450 Lb.	167.76	9.43
23 05 48 13-0100	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 450-300 Lb.	167.76	9.43
23 05 48 13-0101		**Free Standing Spring Mounts, 1" Deflection (OM Type)** *(23 05 48 13-0075)*		
23 05 48 13-0102	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 75-150 Lb.	222.35	10.18
23 05 48 13-0103	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 150-250 Lb.	222.35	10.18
23 05 48 13-0104	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 250-350 Lb.	222.35	10.18
23 05 48 13-0105	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 350-500 Lb.	222.35	10.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0106	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 500-600 Lb.	222.35	10.18
23 05 48 13-0107	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 600-750 Lb.	222.35	10.18
23 05 48 13-0108	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 750-900 Lb.	222.35	10.18
23 05 48 13-0109	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 900-1,100 Lb.	222.35	10.18
23 05 48 13-0110		**Free Standing Spring Mounts, 2" Deflection (OM Type)** *(23 05 48 13-0075)*		
23 05 48 13-0111	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 75-150 Lb.	607.92	12.45
23 05 48 13-0112	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 150-275 Lb.	607.92	12.45
23 05 48 13-0113	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 275-425 Lb.	607.92	12.45
23 05 48 13-0114	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 425-500 Lb.	607.92	12.45
23 05 48 13-0115	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 500-650 Lb.	607.92	12.45
23 05 48 13-0116	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 650-775 Lb.	607.92	12.45
23 05 48 13-0117	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 775-1,000 Lb.	607.92	12.45
23 05 48 13-0118	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 1,000-1,150 Lb.	607.92	12.45
23 05 48 13-0119		**Housed Fail Safe Spring Mounts, 1" Deflection (HMLE Type)** *(23 05 48 13-0075)*		
		Note: With external adjustment bolt.		
23 05 48 13-0120	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 25-50 Lb.	224.62	11.31
23 05 48 13-0121	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 50-100 Lb.	224.62	11.31
23 05 48 13-0122	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 100-150 Lb.	224.62	11.31
23 05 48 13-0123	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 150-250 Lb.	224.62	11.31
23 05 48 13-0124	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 250-350 Lb.	234.07	11.31
23 05 48 13-0125	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 350-450 Lb.	273.21	11.31
23 05 48 13-0126	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 450-600 Lb.	273.21	11.31
23 05 48 13-0127		**Housed Fail Safe Spring Mounts, 1" Deflection (HME Type)** *(23 05 48 13-0075)*		
		Note: With external adjustment bolt.		
23 05 48 13-0128	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 45-90 Lb.	324.05	12.45
23 05 48 13-0129	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 90-120 Lb.	324.05	12.45
23 05 48 13-0130	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 120-175 Lb.	324.05	12.45
23 05 48 13-0131	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 175-250 Lb.	324.05	12.45
23 05 48 13-0132	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 250-330 Lb.	324.05	12.45
23 05 48 13-0133	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 330-450 Lb.	353.75	12.45
23 05 48 13-0134	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 450-600 Lb.	353.75	12.45
23 05 48 13-0135	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 600-750 Lb.	353.75	12.45
23 05 48 13-0136	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 750-900 Lb.	353.75	12.45
23 05 48 13-0137	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 900-1,100 Lb.	388.83	12.45
23 05 48 13-0138	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,100-1,300 Lb.	388.83	12.45
23 05 48 13-0139	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,300-1,500 Lb.	388.83	12.45
23 05 48 13-0140		**Housed Fail Safe Spring Mount, 2" Deflection (HME Type)** *(23 05 48 13-0075)*		
		Note: With external adjustment bolt.		
23 05 48 13-0141	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 48-90 Lb.	473.41	12.45
23 05 48 13-0142	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 90-120 Lb.	473.41	12.45
23 05 48 13-0143	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 120-175 Lb.	473.41	12.45
23 05 48 13-0144	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 175-250 Lb.	473.41	12.45
23 05 48 13-0145	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 250-330 Lb.	473.41	12.45
23 05 48 13-0146	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 330-450 Lb.	473.41	12.45
23 05 48 13-0147	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 450-600 Lb.	523.35	12.45
23 05 48 13-0148	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 600-750 Lb.	523.35	12.45
23 05 48 13-0149	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 500-660 Lb.	837.81	12.45
23 05 48 13-0150	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 660-900 Lb.	837.81	12.45
23 05 48 13-0151	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 900-1,200 Lb.	837.81	12.45
23 05 48 13-0152	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 1,200-1,500 Lb.	837.81	12.45
23 05 48 13-0153		**Housed Fail Safe Spring Mount, 1" Deflection (HMLT Type)** *(23 05 48 13-0075)*		
		Note: Skid resistant neoprene top and external adjustment bolt.		
23 05 48 13-0154	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 25-50 Lb.	273.93	9.43
23 05 48 13-0155	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 50-100 Lb.	273.93	9.43
23 05 48 13-0156	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 100-150 Lb.	273.93	9.43
23 05 48 13-0157	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 150-250 Lb.	273.93	9.43
23 05 48 13-0158	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 250-350 Lb.	273.93	9.43
23 05 48 13-0159	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 350-450 Lb.	284.72	9.43
23 05 48 13-0160	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 450-600 Lb.	284.72	9.43
23 05 48 13-0161		**Vibration Hangers** *(23 05 48 13-0075)*		
		Note: RH type neoprene hanger.		
23 05 48 13-0162	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 60 To 100 Lb.	167.10	16.97
23 05 48 13-0163	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 100 To 175 Lb.	167.10	16.97
23 05 48 13-0164	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 175 To 300 Lb.	233.23	16.97
23 05 48 13-0165	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 300 To 700 Lb.	233.23	16.97
23 05 48 13-0166	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 700 To 1,100 Lb.	357.96	20.74
23 05 48 13-0167	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 1,100 To 2,000 Lb.	357.96	20.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0168		**Housed Stable Steel Spring Isolators** *(23 05 48 13)* Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0169	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	245.52	21.10
23 05 48 13-0170	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	276.85	21.10
23 05 48 13-0171	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	292.52	21.10
23 05 48 13-0172	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	355.18	21.10
23 05 48 13-0173	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	370.85	21.10
23 05 48 13-0174	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	272.93	21.10
23 05 48 13-0175	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	300.35	21.10
23 05 48 13-0176	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	319.93	21.10
23 05 48 13-0177	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	410.01	21.10
23 05 48 13-0178	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	445.26	21.10
23 05 48 13-0179	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	527.51	21.10
23 05 48 13-0180		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)* Note: Includes hex threaded nipple ends.		
23 05 48 13-0181	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	72.06	12.07
23 05 48 13-0182	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	80.52	16.60
23 05 48 13-0183	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	99.35	20.36
23 05 48 13-0184	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	114.75	24.13
23 05 48 13-0185	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	130.64	31.68
23 05 48 13-0186	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	146.37	33.71
23 05 48 13-0187	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	199.56	39.98
23 05 48 13-0188	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	283.61	62.30
23 05 48 13-0189		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0190	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	228.19	43.29
23 05 48 13-0191	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	269.18	47.51
23 05 48 13-0192	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	306.86	50.31
23 05 48 13-0193	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	342.09	57.32
23 05 48 13-0194	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	391.01	61.84
23 05 48 13-0195	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	488.24	80.47
23 05 48 13-0196	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	761.89	90.50
23 05 48 13-0197	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	951.28	101.82
23 05 48 13-0198	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,305.39	150.84
23 05 48 13-0199		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0200		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0199)* Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0201	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	217.12	56.56
23 05 48 13-0202	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	233.01	62.83
23 05 48 13-0203	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	350.51	125.50
23 05 48 13-0204	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	467.88	186.66
23 05 48 13-0205	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	614.57	240.97
23 05 48 13-0206	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	850.06	250.90
23 05 48 13-0207	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,055.60	286.57
23 05 48 13-0208	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,404.06	341.02
23 05 48 13-0209	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,953.02	426.53
23 05 48 13-0210		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0199)* Note: With braided metal wire.		
23 05 48 13-0211	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	160.04	51.44
23 05 48 13-0212	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	130.07	70.74
23 05 48 13-0213	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	300.70	94.27
23 05 48 13-0214	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	366.99	141.41
23 05 48 13-0215	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	390.34	155.60
23 05 48 13-0216	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	444.59	188.40
23 05 48 13-0217	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	568.99	241.19
23 05 48 13-0218	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	815.96	300.48
23 05 48 13-0219	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,457.27	401.44
23 05 48 13-0220	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,725.31	464.20
23 05 48 13-0221	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,336.38	501.80
23 05 48 13-0222		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0199)* Note: 150 PSI.		
23 05 48 13-0223	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,121.85	109.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0224	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,252.14	128.22
23 05 48 13-0225	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,873.68	215.48
23 05 48 13-0226	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,270.78	250.90
23 05 48 13-0227	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,037.74	307.78
23 05 48 13-0228		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0229		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0228)*		
		Note: MPT connection.		
23 05 48 13-0230	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	46.34	1.50
23 05 48 13-0231	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	55.99	1.50
23 05 48 13-0232	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	61.64	1.96
23 05 48 13-0233	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	75.85	1.96
23 05 48 13-0234	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	62.44	1.81
23 05 48 13-0235	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	76.20	1.81
23 05 48 13-0236	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	86.51	2.34
23 05 48 13-0237	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.94	2.34
23 05 48 13-0238	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	85.85	2.11
23 05 48 13-0239	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	94.30	2.11
23 05 48 13-0240	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	111.41	2.78
23 05 48 13-0241	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	142.76	2.78
23 05 48 13-0242	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	173.87	2.78
23 05 48 13-0243	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	205.08	2.78
23 05 48 13-0244	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	122.92	2.71
23 05 48 13-0245	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	136.08	2.71
23 05 48 13-0246	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	176.19	2.71
23 05 48 13-0247	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	245.31	3.61
23 05 48 13-0248	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	285.72	3.61
23 05 48 13-0249	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	339.50	3.61
23 05 48 13-0250	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	169.18	3.27
23 05 48 13-0251	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	196.68	3.27
23 05 48 13-0252	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	249.94	3.27
23 05 48 13-0253	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	333.37	4.37
23 05 48 13-0254	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	414.54	4.37
23 05 48 13-0255	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	495.65	4.37
23 05 48 13-0256	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	236.28	4.10
23 05 48 13-0257	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	270.15	3.89
23 05 48 13-0258	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	304.36	3.89
23 05 48 13-0259	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	374.53	5.21
23 05 48 13-0260	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	443.33	5.21
23 05 48 13-0261	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	509.99	5.21
23 05 48 13-0262	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	374.57	5.21
23 05 48 13-0263	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	420.26	5.21
23 05 48 13-0264	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	790.65	5.21
23 05 48 13-0265	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	951.46	6.95
23 05 48 13-0266	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	653.14	6.95
23 05 48 13-0267	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	743.07	6.95
23 05 48 13-0268	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	691.55	5.62
23 05 48 13-0269	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	744.95	5.62
23 05 48 13-0270	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	798.35	5.62
23 05 48 13-0271	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	910.17	7.50
23 05 48 13-0272	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,016.55	7.50
23 05 48 13-0273	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,125.22	7.50
23 05 48 13-0274		Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0228)*		
		Note: Over braided carbon steel connection.		
23 05 48 13-0275	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	202.79	3.32
23 05 48 13-0276	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	246.48	3.32
23 05 48 13-0277	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	289.35	3.32
23 05 48 13-0278	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	378.57	4.44
23 05 48 13-0279	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	465.47	4.44
23 05 48 13-0280	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	552.26	4.44
23 05 48 13-0281	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.60	3.89
23 05 48 13-0282	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	275.26	3.89
23 05 48 13-0283	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	321.13	3.89
23 05 48 13-0284	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	415.73	5.21
23 05 48 13-0285	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	507.09	5.21
23 05 48 13-0286	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	597.19	5.21
23 05 48 13-0287	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	241.43	5.21

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23 05 48 13-0288	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	293.74	5.35
23 05 48 13-0289	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	346.79	5.21
23 05 48 13-0290	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	459.18	6.95
23 05 48 13-0291	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	564.72	6.95
23 05 48 13-0292	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	673.25	6.95
23 05 48 13-0293	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	487.41	10.15
23 05 48 13-0294	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	729.32	10.23
23 05 48 13-0295	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	978.56	13.47
23 05 48 13-0296	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,220.58	13.47
23 05 48 13-0297	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,462.52	13.47
23 05 48 13-0298	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	854.46	11.45
23 05 48 13-0299	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,037.49	11.45
23 05 48 13-0300	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,408.12	14.88
23 05 48 13-0301	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,771.20	14.88
23 05 48 13-0302	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,134.19	14.88
23 05 48 13-0303	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	910.41	14.31
23 05 48 13-0304	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,368.00	14.31
23 05 48 13-0305	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,833.66	18.64
23 05 48 13-0306	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,292.84	18.64
23 05 48 13-0307	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,750.09	18.64
23 05 48 13-0308	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,832.86	17.31
23 05 48 13-0309	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,403.92	17.31
23 05 48 13-0310	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,003.56	23.28
23 05 48 13-0311	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,579.63	23.28
23 05 48 13-0312	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,158.40	23.28

23 05 48 13-0313 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0228)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0314	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	351.08	3.27
23 05 48 13-0315	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	608.12	92.57
23 05 48 13-0316	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	756.96	92.57
23 05 48 13-0317	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	905.80	92.57
23 05 48 13-0318	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,054.70	92.57
23 05 48 13-0319	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	537.44	118.06
23 05 48 13-0320	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	694.28	118.06
23 05 48 13-0321	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	851.18	118.06
23 05 48 13-0322	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,008.14	118.06
23 05 48 13-0323	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,162.35	118.06
23 05 48 13-0324	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	728.08	197.93
23 05 48 13-0325	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	911.15	198.42
23 05 48 13-0326	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,097.19	197.93
23 05 48 13-0327	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,305.21	197.93
23 05 48 13-0328	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,464.15	197.93
23 05 48 13-0329	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,161.97	253.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0330	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,576.77	253.87
23 05 48 13-0331	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,991.80	254.78
23 05 48 13-0332	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,406.65	253.87
23 05 48 13-0333	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,821.45	253.87
23 05 48 13-0334	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,965.60	292.66
23 05 48 13-0335	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,279.40	292.66
23 05 48 13-0336	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,901.57	292.66
23 05 48 13-0337	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,523.97	292.66
23 05 48 13-0338	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,146.08	292.66
23 05 48 13-0339	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,300.62	356.28
23 05 48 13-0340	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,082.44	356.28
23 05 48 13-0341	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,869.51	356.28
23 05 48 13-0342	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,654.88	356.28
23 05 48 13-0343	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,289.61	356.28
23 05 48 13-0344	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,517.16	432.62
23 05 48 13-0345	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,509.26	432.62
23 05 48 13-0346	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,501.31	432.62
23 05 48 13-0347	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,493.35	432.62
23 05 48 13-0348	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,485.45	432.62

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	19.08
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	19.28
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	19.38
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	19.65
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	23.60
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	23.95
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	41.20
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	41.46
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	41.76
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	41.91
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	42.07
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	42.24
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	44.42
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	44.60
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	56.43
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	57.86
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	66.26
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	76.14

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	10.77
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.15
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.91
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.05
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.21
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.45
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.90
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.20
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.42
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.65
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.12
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.63
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.07
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.51
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.18
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.00
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0039		Valve Identification Tag *(23 05 53 00-0001)*		
		Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	9.10	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	8.31	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	8.06	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001		Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0002	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,076.57	30.91
23 05 66 00-0003	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,074.98	32.23
23 05 66 00-0004	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,125.32	33.87
23 05 66 00-0005	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,222.12	35.33
23 05 66 00-0006	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,084.58	36.43
23 05 66 00-0007		Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0008	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	877.59	20.41
23 05 66 00-0009	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	885.59	22.08
23 05 66 00-0010	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	905.17	23.40
23 05 66 00-0011	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	912.33	25.17
23 05 66 00-0012	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	932.73	26.50
23 05 66 00-0013	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	946.52	27.82
23 05 66 00-0014	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	966.10	29.59
23 05 66 00-0015	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,009.60	20.41
23 05 66 00-0016	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,017.60	22.08
23 05 66 00-0017	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,037.18	23.40
23 05 66 00-0018	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,044.34	25.17
23 05 66 00-0019	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,064.74	26.50
23 05 66 00-0020	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,078.53	27.82
23 05 66 00-0021	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,098.11	29.59
23 05 66 00-0022	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	678.94	22.08
23 05 66 00-0023	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	698.52	23.40
23 05 66 00-0024	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	705.68	25.17
23 05 66 00-0025	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	726.09	26.50
23 05 66 00-0026	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	739.87	27.82
23 05 66 00-0027	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	759.45	29.59
23 05 66 00-0028		Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0029	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	602.53	28.27
23 05 66 00-0030	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	612.93	29.59
23 05 66 00-0031	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	623.34	30.91
23 05 66 00-0032	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	639.06	32.23
23 05 66 00-0033	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	660.85	33.87
23 05 66 00-0034	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	679.46	35.33
23 05 66 00-0035		Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0036	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	159.38	
23 05 66 00-0037	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	167.87	
23 05 66 00-0038	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	193.36	
23 05 66 00-0039	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	226.45	
23 05 66 00-0040	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	260.30	
23 05 66 00-0041	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	250.49	
23 05 66 00-0042	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	113.93	
23 05 66 00-0043	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	120.14	
23 05 66 00-0044	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	137.96	
23 05 66 00-0045	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	143.36	
23 05 66 00-0046	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	162.00	
23 05 66 00-0047	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	174.02	
23 05 66 00-0048	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	191.82	
23 05 66 00-0049	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	489.73	

23 05 66 00-0050 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

23 05 66 00-0051	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	616.95	
23 05 66 00-0052	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	825.24	
23 05 66 00-0053	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	323.55	
23 05 66 00-0054	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	349.05	
23 05 66 00-0055	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	523.22	
23 05 66 00-0056	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	299.31	
23 05 66 00-0057	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	330.67	
23 05 66 00-0058	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	410.28	
23 05 66 00-0059	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	403.05	
23 05 66 00-0060	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	14.73	
23 05 66 00-0061	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	46.74	
23 05 66 00-0062	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	13.15	
23 05 66 00-0063	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	11.89	
23 05 66 00-0064	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	41.57	
23 05 66 00-0065	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	62.44	
23 05 66 00-0066	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	54.40	
23 05 66 00-0067	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	42.33	
23 05 66 00-0068	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	39.46	
23 05 66 00-0069	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	16.94	
23 05 66 00-0070	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	45.55	
23 05 66 00-0071	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	17.06	
23 05 66 00-0072	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	86.15	
23 05 66 00-0073	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	91.55	

23 05 66 00-0074 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0075	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,354.27	40.85
23 05 66 00-0076	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,525.44	43.05
23 05 66 00-0077	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,575.95	46.37
23 05 66 00-0078	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,644.01	49.68
23 05 66 00-0079	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,685.74	52.99
23 05 66 00-0080	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,067.54	55.20
23 05 66 00-0081	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,120.49	43.05
23 05 66 00-0082	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,197.32	46.37
23 05 66 00-0083	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,555.00	49.68
23 05 66 00-0084	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,649.39	52.99

23 05 66 00-0085 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0086	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	792.96	43.05
23 05 66 00-0087	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,419.68	43.05
23 05 66 00-0088	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,047.25	43.05
23 05 66 00-0089	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	809.71	46.37
23 05 66 00-0090	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,444.86	46.37
23 05 66 00-0091	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,080.86	46.37
23 05 66 00-0092	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	824.77	49.68
23 05 66 00-0093	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	1,470.05	49.68
23 05 66 00-0094	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,114.48	49.68
23 05 66 00-0095	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	912.57	55.20
23 05 66 00-0096	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	1,619.42	55.20
23 05 66 00-0097	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	2,326.27	55.20
23 05 66 00-0098	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,077.98	60.72
23 05 66 00-0099	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	1,940.04	60.72
23 05 66 00-0100	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	2,801.25	60.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	265.41
		For Testing Of Unit Without Balancing, Deduct	*-132.71*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	331.63
		For Testing Of Unit Without Balancing, Deduct	*-165.82*
23 05 93 00-0004	EA	Balancing In Line Fan	298.59
		For Testing Of Unit Without Balancing, Deduct	*-149.30*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	66.35
		For Testing Of Unit Without Balancing, Deduct	*-33.18*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	199.04
		For Testing Of Unit Without Balancing, Deduct	*-99.52*
23 05 93 00-0007	EA	Balancing Wall Fan	49.75
		For Testing Of Unit Without Balancing, Deduct	*-24.88*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	264.99
		For Testing Of Unit Without Balancing, Deduct	*-132.50*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	556.28
		For Testing Of Unit Without Balancing, Deduct	*-278.14*
23 05 93 00-0011	EA	Balancing Package A/C Unit	208.60
		For Testing Of Unit Without Balancing, Deduct	*-104.30*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	278.14
		For Testing Of Unit Without Balancing, Deduct	*-139.07*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	973.49
		For Testing Of Unit Without Balancing, Deduct	*-486.75*

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	49.76
		For Testing Of Unit Without Balancing, Deduct	*-24.88*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	82.95
		For Testing Of Unit Without Balancing, Deduct	*-41.48*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	43.13
		For Testing Of Unit Without Balancing, Deduct	*-21.57*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	46.73
		For Testing Of Unit Without Balancing, Deduct	*-23.37*
23 05 93 00-0019	EA	Balance Constant Volume Box	46.73
		For Testing Of Unit Without Balancing, Deduct	*-23.37*
23 05 93 00-0020	EA	Balance Fan Powered Box	53.08
		For Testing Of Unit Without Balancing, Deduct	*-26.54*
23 05 93 00-0021	EA	Balance Lab Fume Hood	215.65
		For Testing Of Unit Without Balancing, Deduct	*-107.83*
23 05 93 00-0022	EA	Balance General Hood	165.88
		For Testing Of Unit Without Balancing, Deduct	*-82.94*
23 05 93 00-0023	EA	Balance Induction Unit	99.53
		For Testing Of Unit Without Balancing, Deduct	*-49.77*
23 05 93 00-0024	EA	Balance Moduline - Master	39.80
		For Testing Of Unit Without Balancing, Deduct	*-19.90*
23 05 93 00-0025	EA	Balance Moduline - Slave	19.91
		For Testing Of Unit Without Balancing, Deduct	*-9.96*
23 05 93 00-0026	EA	Balance Dampers	18.48
		For Testing Of Unit Without Balancing, Deduct	*-9.24*
23 05 93 00-0027	EA	Balance Regenerators	264.99
		For Testing Of Unit Without Balancing, Deduct	*-132.50*

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	382.48
		For Testing Of Unit Without Balancing, Deduct	*-191.24*
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	48.67
		For Testing Of Unit Without Balancing, Deduct	*-24.34*
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	417.18
		For Testing Of Unit Without Balancing, Deduct	*-208.59*
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	556.28
		For Testing Of Unit Without Balancing, Deduct	*-278.14*
23 05 93 00-0033	EA	Water Balance, Cooling Tower	278.14
		For Testing Of Unit Without Balancing, Deduct	*-139.07*
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	69.58
		For Testing Of Unit Without Balancing, Deduct	*-34.79*
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	69.54
		For Testing Of Unit Without Balancing, Deduct	*-34.77*
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	76.49
		For Testing Of Unit Without Balancing, Deduct	*-38.25*
23 05 93 00-0037	EA	Water Balance, Pumps	208.61
		For Testing Of Unit Without Balancing, Deduct	*-104.31*
23 05 93 00-0038	EA	Water Balance, Unit Heater	48.67
		For Testing Of Unit Without Balancing, Deduct	*-24.34*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0039	EA	Water Balancing, Converter	208.69	
		For Testing Of Unit Without Balancing, Deduct	*-104.35*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	34.76	
		For Testing Of Unit Without Balancing, Deduct	*-17.38*	
23 05 93 00-0041	EA	Water Balance, Convector	41.71	
		For Testing Of Unit Without Balancing, Deduct	*-20.86*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	52.15	
		For Testing Of Unit Without Balancing, Deduct	*-26.08*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	451.98	
		For Testing Of Unit Without Balancing, Deduct	*-225.99*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	834.43	
		For Testing Of Unit Without Balancing, Deduct	*-417.22*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	1,529.79	
		For Testing Of Unit Without Balancing, Deduct	*-764.90*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	418.45

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	59.88
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	68.02
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	76.15
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	80.51
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	84.87
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	89.82
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	98.55
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	107.26
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	112.22
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	121.80

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	56.96
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	60.73
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	64.50
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	66.39
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	69.21
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	72.04
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	77.71
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	83.36
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	89.01
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	94.67

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing *(23 05 93 00-0073)*

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	496.19
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	708.84
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	849.33
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,131.31
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,714.10
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	659.73
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	942.76
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,122.33
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	1,470.69
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,224.89
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	859.79
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,225.58
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,294.64
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	1,696.09
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	2,565.87
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,116.23
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	1,591.37
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	1,683.38
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	2,207.92
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	3,345.34

23 05 93 00-0095 Pneumatic Testing *(23 05 93 00-0046)*

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	564.05	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	805.00	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	870.40	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,114.62	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,743.21	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	736.02	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,045.32	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,131.45	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,449.34	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,265.91	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	887.38	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,252.54	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,416.87	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,810.07	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,834.00	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,155.41	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,628.39	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,842.44	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,353.46	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,689.96	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	981.32	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	79.73	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,510.45	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,142.28	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	2.58	1.25
		For Plain Blanket, With No Facing, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*0.50*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	3.00	1.25
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*0.59*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	3.37	1.89
		For Plain Blanket, With No Facing, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*0.67*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.02	2.20
		For Plain Blanket, With No Facing, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*0.79*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.04	2.39
		For Plain Blanket, With No Facing, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*0.85*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	3.13	1.89
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*0.63*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	3.69	2.20
		For Plain Blanket, With No Facing, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*0.73*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	4.34	2.51
		For Plain Blanket, With No Facing, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*0.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0012		Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*		
23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.29	2.51
		For Plain Blanket, With No Facing, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*0.76*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.95	2.82
		For Plain Blanket, With No Facing, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*0.86*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.96	3.14
		For Plain Blanket, With No Facing, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*1.00*	
23 07 13 00-0016		3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	6.19	3.26
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*13.82*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*10.38*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*8.52*	
		For Work In Restricted Working Space, Add	*1.67*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	8.21	3.97
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*17.27*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*13.30*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*10.83*	
		For Work In Restricted Working Space, Add	*2.03*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	10.43	4.78
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*21.21*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*16.57*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*13.44*	
		For Work In Restricted Working Space, Add	*2.45*	
23 07 13 00-0020		4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	7.04	3.59
		For Work In Restricted Working Space, Add	*1.84*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	9.49	4.37
		For Work In Restricted Working Space, Add	*2.24*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	12.57	5.26
		For Work In Restricted Working Space, Add	*2.70*	
23 07 13 00-0024		Sheet Flexible Elastomeric Insulation *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	8.58	1.69
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	9.21	1.79
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	12.86	1.89
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	15.15	1.98
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	21.92	2.17
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	26.28	2.35
23 07 13 00-0031		Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.91	1.79
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.44	1.89
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.41	1.98
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.68	2.17
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	34.36	2.35
23 07 13 00-0037		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.26	1.79
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.79	1.89
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.34	1.98
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.58	2.17
23 07 16		**HVAC Equipment Insulation** *(23 07)*		
23 07 16 00-0001		Calcium Silicate Block Insulation *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	11.07	3.92
		For Work In Restricted Working Space, Add	*2.35*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	13.67	4.41
		For Work In Restricted Working Space, Add	*2.64*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	16.68	5.08
		For Work In Restricted Working Space, Add	*3.06*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	20.04	5.97
		For Work In Restricted Working Space, Add	*3.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	24.41	7.34
		For Work In Restricted Working Space, Add	*4.41*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0001 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.40	2.06
		For Work In Restricted Working Space, Add	*1.55*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.40	2.06
		For Work In Restricted Working Space, Add	*1.55*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.25	2.09
		For Work In Restricted Working Space, Add	*1.57*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.42	2.12
		For Work In Restricted Working Space, Add	*1.59*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.53	2.15
		For Work In Restricted Working Space, Add	*1.61*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.47	2.21
		For Work In Restricted Working Space, Add	*1.66*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.04	2.30
		For Work In Restricted Working Space, Add	*1.73*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.65	2.36
		For Work In Restricted Working Space, Add	*1.77*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.79	2.54
		For Work In Restricted Working Space, Add	*1.91*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.40	2.86
		For Work In Restricted Working Space, Add	*2.15*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	10.91	2.15
		For Work In Restricted Working Space, Add	*1.61*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.00	2.15
		For Work In Restricted Working Space, Add	*1.61*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.84	2.27
		For Work In Restricted Working Space, Add	*1.71*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.42	2.32
		For Work In Restricted Working Space, Add	*1.74*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.02	2.36
		For Work In Restricted Working Space, Add	*1.77*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.07	2.50
		For Work In Restricted Working Space, Add	*1.87*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.89	2.54
		For Work In Restricted Working Space, Add	*1.90*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.48	2.62
		For Work In Restricted Working Space, Add	*1.97*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.43	2.83
		For Work In Restricted Working Space, Add	*2.12*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.18	3.31
		For Work In Restricted Working Space, Add	*2.48*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.51	3.50
		For Work In Restricted Working Space, Add	*2.62*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	31.34	4.18
		For Work In Restricted Working Space, Add	*3.14*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	36.94	4.87
		For Work In Restricted Working Space, Add	*3.65*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	41.33	5.34
		For Work In Restricted Working Space, Add	*4.00*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	48.32	6.79
		For Work In Restricted Working Space, Add	*5.09*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	52.48	7.14
		For Work In Restricted Working Space, Add	*5.35*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	14.65	2.36
		For Work In Restricted Working Space, Add	*1.77*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.13	2.36
		For Work In Restricted Working Space, Add	*1.77*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	15.70	2.40
		For Work In Restricted Working Space, Add	*1.79*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.47	2.43
		For Work In Restricted Working Space, Add	*1.82*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.00	2.46
		For Work In Restricted Working Space, Add	*1.84*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.76	2.54
		For Work In Restricted Working Space, Add	*1.91*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.30	2.63
		For Work In Restricted Working Space, Add	*1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.57	2.72
		For Work In Restricted Working Space, Add	*2.04*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.11	2.87
		For Work In Restricted Working Space, Add	*2.15*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.47	3.45
		For Work In Restricted Working Space, Add	*2.58*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	32.75	3.64
		For Work In Restricted Working Space, Add	*2.72*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	40.60	4.35
		For Work In Restricted Working Space, Add	*3.26*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	46.06	5.21
		For Work In Restricted Working Space, Add	*3.91*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	54.49	7.27
		For Work In Restricted Working Space, Add	*5.45*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	58.20	7.27
		For Work In Restricted Working Space, Add	*5.45*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	62.74	7.63
		For Work In Restricted Working Space, Add	*5.72*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	75.58	8.73
		For Work In Restricted Working Space, Add	*6.54*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	87.22	10.54
		For Work In Restricted Working Space, Add	*7.91*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	17.81	2.72
		For Work In Restricted Working Space, Add	*2.04*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.31	2.72
		For Work In Restricted Working Space, Add	*2.04*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.64	2.76
		For Work In Restricted Working Space, Add	*2.08*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	18.83	2.79
		For Work In Restricted Working Space, Add	*2.09*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	19.42	2.81
		For Work In Restricted Working Space, Add	*2.11*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.26	2.93
		For Work In Restricted Working Space, Add	*2.20*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.33	3.03
		For Work In Restricted Working Space, Add	*2.27*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.60	3.13
		For Work In Restricted Working Space, Add	*2.35*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.95	3.30
		For Work In Restricted Working Space, Add	*2.48*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	35.58	3.75
		For Work In Restricted Working Space, Add	*2.82*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	40.82	4.19
		For Work In Restricted Working Space, Add	*3.14*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	49.13	4.83
		For Work In Restricted Working Space, Add	*3.62*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	56.32	6.00
		For Work In Restricted Working Space, Add	*4.50*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	62.50	6.55
		For Work In Restricted Working Space, Add	*4.91*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	74.98	8.37
		For Work In Restricted Working Space, Add	*6.28*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.29	8.79
		For Work In Restricted Working Space, Add	*6.59*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	92.31	10.05
		For Work In Restricted Working Space, Add	*7.54*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	107.72	12.14
		For Work In Restricted Working Space, Add	*9.10*	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.39	3.02
		For Work In Restricted Working Space, Add	*2.26*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.51	3.02
		For Work In Restricted Working Space, Add	*2.26*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.70	3.05
		For Work In Restricted Working Space, Add	*2.28*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.98	3.07
		For Work In Restricted Working Space, Add	*2.30*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.20	3.10
		For Work In Restricted Working Space, Add	*2.33*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.00	3.21
		For Work In Restricted Working Space, Add	*2.41*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.28	3.32
		For Work In Restricted Working Space, Add	*2.50*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.72	3.45
		For Work In Restricted Working Space, Add	*2.58*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.79	3.64
		For Work In Restricted Working Space, Add	*2.73*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	41.67	4.13
		For Work In Restricted Working Space, Add	*3.10*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	48.83	4.60
		For Work In Restricted Working Space, Add	*3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.34	5.31
		For Work In Restricted Working Space, Add	*3.98*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	66.36	6.60
		For Work In Restricted Working Space, Add	*4.95*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	73.93	7.21
		For Work In Restricted Working Space, Add	*5.40*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	84.81	9.20
		For Work In Restricted Working Space, Add	*6.91*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	92.01	9.67
		For Work In Restricted Working Space, Add	*7.25*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	108.33	11.06
		For Work In Restricted Working Space, Add	*8.29*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	127.53	13.35
		For Work In Restricted Working Space, Add	*10.01*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	31.01	3.30
		For Work In Restricted Working Space, Add	*2.48*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.45	3.30
		For Work In Restricted Working Space, Add	*2.48*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.51	3.32
		For Work In Restricted Working Space, Add	*2.50*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.56	3.34
		For Work In Restricted Working Space, Add	*2.51*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.72	3.38
		For Work In Restricted Working Space, Add	*2.54*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.99	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.47	3.63
		For Work In Restricted Working Space, Add	*2.72*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.87	3.75
		For Work In Restricted Working Space, Add	*2.82*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	47.23	3.97
		For Work In Restricted Working Space, Add	*2.98*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	52.53	4.51
		For Work In Restricted Working Space, Add	*3.38*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	65.00	5.02
		For Work In Restricted Working Space, Add	*3.77*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	79.67	5.79
		For Work In Restricted Working Space, Add	*4.34*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.03	7.20
		For Work In Restricted Working Space, Add	*5.40*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	100.56	7.86
		For Work In Restricted Working Space, Add	*5.90*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	115.33	10.05
		For Work In Restricted Working Space, Add	*7.54*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	134.67	10.55
		For Work In Restricted Working Space, Add	*7.91*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	143.81	12.07
		For Work In Restricted Working Space, Add	*9.05*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.73	3.67
		For Work In Restricted Working Space, Add	*2.75*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.77	3.67
		For Work In Restricted Working Space, Add	*2.75*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.93	3.73
		For Work In Restricted Working Space, Add	*2.80*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.17	3.77
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.82	3.89
		For Work In Restricted Working Space, Add	*2.92*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.65	4.02
		For Work In Restricted Working Space, Add	*3.01*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.43	4.08
		For Work In Restricted Working Space, Add	*3.06*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.80	4.23
		For Work In Restricted Working Space, Add	*3.17*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	58.40	4.46
		For Work In Restricted Working Space, Add	*3.35*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	67.79	5.07
		For Work In Restricted Working Space, Add	*3.80*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	81.62	5.65
		For Work In Restricted Working Space, Add	*4.24*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	93.93	6.52
		For Work In Restricted Working Space, Add	*4.89*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	105.47	8.10
		For Work In Restricted Working Space, Add	*6.07*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	111.68	8.85
		For Work In Restricted Working Space, Add	*6.64*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	130.39	11.31
		For Work In Restricted Working Space, Add	*8.48*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	139.06	11.85
		For Work In Restricted Working Space, Add	*8.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	152.91	13.57
		For Work In Restricted Working Space, Add	*10.18*	
23 07 19 00-0123		Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*		
23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	4.45	
		For Work In Restricted Working Space, Add	*0.59*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	849.14	9.73
23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	871.13	13.12
23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	949.91	15.87
23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,030.16	20.12
23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,172.76	23.21
23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,322.67	27.43
23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,465.50	54.86
23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,661.92	64.19
23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,575.43	94.27
23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,264.81	136.24
23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,831.72	150.84
23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	904.03	14.59
23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	921.21	19.68
23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	992.24	23.82
23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,091.29	30.16
23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,410.79	34.81
23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,559.21	41.14
23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,731.84	82.28
23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	2,989.37	96.29
23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,347.19	141.41
23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,307.17	204.37
23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,013.68	226.26
23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	143.54	9.73
23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	165.38	13.12
23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	209.89	15.87
23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	169.09	14.59
23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	191.34	19.68
23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	241.20	23.82
23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	254.42	9.73
23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	297.81	13.12
23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	336.45	15.87
23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	439.06	20.12
23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	448.38	23.21
23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	576.36	27.43
23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,247.94	54.86
23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,465.70	64.19
23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	301.52	14.59
23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	341.96	19.68
23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	445.14	23.82
23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	640.34	30.16
23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	667.80	34.81
23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	897.09	41.14
23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	692.22	50.28
23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	721.90	54.86
23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	968.21	64.19
23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,454.77	107.75
23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	3,124.00	136.24
23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,278.71	150.84
23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,539.41	172.39
23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,570.25	211.18
23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,896.21	255.97
23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,621.42	301.68
23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	10,242.18	331.85
23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	12,494.71	368.66
23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,321.60	75.42
23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,572.78	82.28
23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,954.53	96.29
23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,414.62	161.62
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	5,254.09	204.37
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,404.06	226.26
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,877.38	258.61
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	9,165.86	316.76
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	11,143.68	383.95
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	17,748.27	452.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	19,806.90	497.77
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	31,005.46	552.98
23 09 23 11-0068		**Valve Actuators** *(23 09 23 11)*		
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	372.76	62.31
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	381.45	62.31
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	480.95	62.31
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	453.67	62.31
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	466.35	62.31
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	549.68	62.31
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	649.36	62.31
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	666.54	62.31
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	707.97	62.31
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	463.40	62.31
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	550.32	62.31
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	508.40	62.31
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	521.12	62.31
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	525.87	62.31
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	612.36	62.31
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	649.65	62.31
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	669.46	62.31
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	665.52	62.31
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	678.21	62.31
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	677.41	62.31
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	759.70	62.31
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	967.82	62.31
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	569.50	62.31
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	721.87	62.31
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,916.77	62.31
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,177.00	62.31
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,658.62	62.31
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	3,041.85	62.31
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,642.48	62.31
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	4,331.20	62.31
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,914.90	62.31
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	7,270.86	62.31
23 09 23 11-0101		**Rotork IQ Electric Valve Actuators** *(23 09 23 11)*		
23 09 23 11-0102		**Rotork IQ2 Electric Valve Actuators** *(23 09 23 11-0101)*		
		Note: 3 Phase, A, B1/B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0103		**WT Enclosure** *(23 09 23 11-0102)*		
23 09 23 11-0104	EA	Rotork IQ10 Electric Valve Actuator, WT Enclosure	10,282.06	226.26
23 09 23 11-0105	EA	Rotork IQ12 Electric Valve Actuator, WT Enclosure	10,729.11	226.26
23 09 23 11-0106	EA	Rotork IQ18 Electric Valve Actuator, WT Enclosure	11,526.67	226.26
23 09 23 11-0107	EA	Rotork IQ20 Electric Valve Actuator, WT Enclosure	14,556.19	226.26
23 09 23 11-0108	EA	Rotork IQ25 Electric Valve Actuator, WT Enclosure	14,978.28	226.26
23 09 23 11-0109	EA	Rotork IQ35 Electric Valve Actuator, WT Enclosure	16,460.58	289.05
23 09 23 11-0110	EA	Rotork IQ40 Electric Valve Actuator, WT Enclosure	19,946.38	433.59
23 09 23 11-0111	EA	Rotork IQ70 Electric Valve Actuator, WT Enclosure	24,795.88	433.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0112	EA	Rotork IQ90 Electric Valve Actuator, WT Enclosure	27,312.53	433.59
23 09 23 11-0113	EA	Rotork IQ91 Electric Valve Actuator, WT Enclosure	40,109.11	650.37
23 09 23 11-0114	EA	Rotork IQ95 Electric Valve Actuator, WT Enclosure	32,386.68	650.37
23 09 23 11-0115		**FM Enclosure** *(23 09 23 11-0102)*		
23 09 23 11-0116	EA	Rotork IQ10 Electric Valve Actuator, FM Enclosure	11,126.24	226.26
23 09 23 11-0117	EA	Rotork IQ12 Electric Valve Actuator, FM Enclosure	11,605.06	226.26
23 09 23 11-0118	EA	Rotork IQ18 Electric Valve Actuator, FM Enclosure	12,447.68	226.26
23 09 23 11-0119	EA	Rotork IQ20 Electric Valve Actuator, FM Enclosure	15,733.63	226.26
23 09 23 11-0120	EA	Rotork IQ25 Electric Valve Actuator, FM Enclosure	16,180.68	226.26
23 09 23 11-0121	EA	Rotork IQ35 Electric Valve Actuator, FM Enclosure	17,863.01	289.05
23 09 23 11-0122	EA	Rotork IQ40 Electric Valve Actuator, FM Enclosure	21,773.17	433.59
23 09 23 11-0123	EA	Rotork IQ70 Electric Valve Actuator, FM Enclosure	26,960.79	433.59
23 09 23 11-0124	EA	Rotork IQ90 Electric Valve Actuator, FM Enclosure	29,620.41	433.59
23 09 23 11-0125	EA	Rotork IQ91 Electric Valve Actuator, FM Enclosure	43,236.21	650.37
23 09 23 11-0126	EA	Rotork IQ95 Electric Valve Actuator, FM Enclosure	35,046.30	650.37
23 09 23 11-0127		**Rotork IQM And M Range Syncroset Electric Valve Actuators** *(23 09 23 11-0101)* Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0128		**WT Enclosure** *(23 09 23 11-0127)*		
23 09 23 11-0129	EA	Rotork IQM10 Electric Valve Actuator, WT Enclosure	13,193.57	226.26
23 09 23 11-0130	EA	Rotork IQM12 Electric Valve Actuator, WT Enclosure	13,394.31	226.26
23 09 23 11-0131	EA	Rotork IQM20 Electric Valve Actuator, WT Enclosure	15,305.06	226.26
23 09 23 11-0132	EA	Rotork IQM25 Electric Valve Actuator, WT Enclosure	15,504.76	226.26
23 09 23 11-0133	EA	Rotork IQM35 Electric Valve Actuator, WT Enclosure	17,944.71	289.05
23 09 23 11-0134		**FM Enclosure** *(23 09 23 11-0127)*		
23 09 23 11-0135	EA	Rotork IQM10 Electric Valve Actuator, FM Enclosure	15,108.86	226.26
23 09 23 11-0136	EA	Rotork IQM12 Electric Valve Actuator, FM Enclosure	15,318.34	226.26
23 09 23 11-0137	EA	Rotork IQM20 Electric Valve Actuator, FM Enclosure	17,399.29	226.26
23 09 23 11-0138	EA	Rotork IQM25 Electric Valve Actuator, FM Enclosure	17,567.22	226.26
23 09 23 11-0139	EA	Rotork IQM35 Electric Valve Actuator, FM Enclosure	20,415.97	289.05
23 09 23 11-0140		**Rotork IQT Electric Valve Actuators** *(23 09 23 11-0101)* Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0141		**WT Enclosure** *(23 09 23 11-0140)*		
23 09 23 11-0142	EA	Rotork IQT125 Electric Valve Actuator, WT Enclosure	9,303.99	226.26
23 09 23 11-0143	EA	Rotork IQT250 Electric Valve Actuator, WT Enclosure	9,496.88	226.26
23 09 23 11-0144	EA	Rotork IQT500 Electric Valve Actuator, WT Enclosure	9,766.93	226.26
23 09 23 11-0145	EA	Rotork IQT1000 Electric Valve Actuator, WT Enclosure	11,285.09	226.26
23 09 23 11-0146	EA	Rotork IQT2000 Electric Valve Actuator, WT Enclosure	12,061.19	226.26
23 09 23 11-0147		**FM Enclosure** *(23 09 23 11-0140)*		
23 09 23 11-0148	EA	Rotork IQT125 Electric Valve Actuator, FM Enclosure	10,159.52	226.26
23 09 23 11-0149	EA	Rotork IQT250 Electric Valve Actuator, FM Enclosure	9,943.94	226.26
23 09 23 11-0150	EA	Rotork IQT500 Electric Valve Actuator, FM Enclosure	10,624.73	226.26
23 09 23 11-0151	EA	Rotork IQT1000 Electric Valve Actuator, FM Enclosure	12,140.62	226.26
23 09 23 11-0152	EA	Rotork IQT2000 Electric Valve Actuator, FM Enclosure	13,248.04	226.26
23 09 23 11-0153		**Rotork Q Range Basic Actuators** *(23 09 23 11-0101)* See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0154	EA	Rotork Q100 Standard Actuator	1,849.48	
23 09 23 11-0155	EA	Rotork Q300 Standard Actuator	2,723.16	
23 09 23 11-0156		**Rotork Actuator Mounting Kits** *(23 09 23 11-0101)* Note: Mounting of Rotork actuators to valves, dampers or other equipment, including machining of actuator output device.		
23 09 23 11-0157	EA	Mounting Kit For Rotork Actuators (Up To IQ 18) Or Exeeco Gearboxes (Up To IW6 Or IB6) To Valves, Dampers And Other Equipment	1,100.61	
23 09 23 11-0158	EA	Mounting Kit For Rotork Actuators (IQ 20-25) Or Exeeco Gearboxes (Up To IW9 Or IB10) To Valves, Dampers And Other Equipment	1,679.28	
23 09 23 11-0159	EA	Mounting Kit For Rotork Actuators (IQ 35-40) Or Exeeco Gearboxes (Up to IW12 Or IB14) To Valves, Dampers And Other Equipment	2,201.22	
23 09 23 11-0160	EA	Mounting Kit For Rotork Actuators (IQ 70-90) Or Exeeco Gearboxes (Up To IS15 Or IS20) To Valves, Dampers And Other Equipment	2,786.70	
23 09 23 11-0161		**Rotork "Exeeco" Fitted Gearboxes** *(23 09 23 11-0101)* See CSI section 23 09 23 11-0204 for mounting.		
23 09 23 11-0162	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB2	2,990.80	301.68
23 09 23 11-0163	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB3	3,285.81	301.68
23 09 23 11-0164	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB4	2,602.75	301.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0165	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB4	2,605.02	301.68
23 09 23 11-0166	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB5	2,897.76	301.68
23 09 23 11-0167	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB5	2,977.18	301.68
23 09 23 11-0168	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB6	3,633.01	301.68
23 09 23 11-0169	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB6	3,780.52	301.68
23 09 23 11-0170	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB7	4,157.22	301.68
23 09 23 11-0171	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB7	4,302.46	301.68
23 09 23 11-0172	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB8	5,877.06	296.85
23 09 23 11-0173	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB8	6,024.56	296.85
23 09 23 11-0174	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB8	6,199.30	296.85
23 09 23 11-0175	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB9	6,705.35	296.85
23 09 23 11-0176	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB9	6,852.86	296.85
23 09 23 11-0177	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB9	7,027.59	296.85
23 09 23 11-0178	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB10	8,116.18	371.06
23 09 23 11-0179	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB10	8,318.15	371.06
23 09 23 11-0180	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB10	8,383.96	371.06
23 09 23 11-0181	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB11	9,990.62	371.06
23 09 23 11-0182	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB11	10,192.59	371.06
23 09 23 11-0183	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB11	10,258.40	371.06
23 09 23 11-0184	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB12	12,586.70	371.06
23 09 23 11-0185	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB12	12,840.86	371.06
23 09 23 11-0186	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB13	16,199.43	371.06
23 09 23 11-0187	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB13	16,453.59	371.06
23 09 23 11-0188	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB14	31,580.11	445.28
23 09 23 11-0189	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB14	31,834.27	445.28
23 09 23 11-0190	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW3	1,644.58	226.26
23 09 23 11-0191	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW4	2,207.37	226.26
23 09 23 11-0192	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW5	2,868.26	226.26
23 09 23 11-0193	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW52	3,537.70	226.26
23 09 23 11-0194	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW6	4,343.30	226.26
23 09 23 11-0195	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW63	6,052.38	433.59
23 09 23 11-0196	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW7	7,298.22	433.59
23 09 23 11-0197	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW72	8,850.42	433.59
23 09 23 11-0198	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW8	11,085.15	541.98
23 09 23 11-0199	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW82	13,372.60	650.37
23 09 23 11-0200	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW9	17,069.29	650.37
23 09 23 11-0201	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW10	22,609.32	867.16
23 09 23 11-0202	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW11	29,124.48	867.16
23 09 23 11-0203	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW12	75,259.35	867.16

23 09 23 11-0204 Mounting Rotork Actuator To Exeeco Gearbox Mounting *(23 09 23 11-0101)*

23 09 23 11-0205	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW3-IW6 or IB3 to IB6)	753.41	
23 09 23 11-0206	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW7-IW12 or IB7 to IB7)	882.76	
23 09 23 11-0207	EA	Mounting of Rotork Actuators (IQ 20-25) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB11)	1,184.57	
23 09 23 11-0208	EA	Mounting of Rotork Actuators (IQ 35-40) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB14)	1,357.04	
23 09 23 11-0209	EA	Mounting of Rotork Actuators (IQ 70-95) to Exeeco Gearboxes (IB10-IB14)	1,758.71	

23 09 23 11-0210 Electro-Hydraulic Valve Actuators *(23 09 23 11)*

Note: Actuators only.

23 09 23 11-0211 Electro-Hydraulic Rotary Actuators, Model 2000 *(23 09 23 11-0210)*

Note: Fail set (fail in last position), 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.

23 09 23 11-0212	EA	Valve Torque To 13,000 Lb. (Maximum)	45,782.65	754.20
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0213	EA	Valve Torque To 45,000 Lb. (Maximum)	75,675.91	942.76
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0214	EA	Valve Torque To 90,000 Lb. (Maximum)	149,841.60	1,130.41
		For 316 Stainless Steel Coupling, Add	*1,440.00*	

23 09 23 11-0215 Electro-Hydraulic Linear Actuators, Model 3000 *(23 09 23 11-0210)*

Note: Fail set (fail in last position), NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.

23 09 23 11-0216	EA	Linear Actuator Stroke To 24" (Maximum)	75,298.81	754.20
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0217	EA	Linear Actuator Stroke To 36" (Maximum)	97,813.03	942.76
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0218	EA	Linear Actuator Stroke To 48" (Maximum)	127,704.48	1,130.41
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0219	EA	Linear Actuator Stroke To 62" (Maximum)	164,979.65	1,320.39
		For 316 Stainless Steel Coupling, Add	*1,920.00*	

23 09 23 11-0220 Electro-Hydraulic Valve Actuators, Model 2500 *(23 09 23 11-0210)*

Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.

23 09 23 11-0221	EA	Valve Torque To 13,000 Lb. (Maximum)	60,540.73	754.20
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0222	EA	Valve Torque To 45,000 Lb. (Maximum)	100,026.74	942.76
		For 316 Stainless Steel Coupling, Add	*1,200.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0223	EA	Valve Torque To 90,000 Lb. (Maximum)	201,494.88	1,130.41
		For 316 Stainless Steel Coupling, Add	*1,440.00*	

23 09 23 11-0224 Electro-Hydraulic Linear Actuators, Model 3500 *(23 09 23 11-0210)*

Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.

23 09 23 11-0225	EA	Linear Actuator Stroke To 24" (Maximum)	101,125.45	754.20
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0226	EA	Linear Actuator Stroke To 36" (Maximum)	131,018.71	942.76
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0227	EA	Linear Actuator Stroke To 48" (Maximum)	179,357.76	1,130.41
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0228	EA	Linear Actuator Stroke To 62" (Maximum)	216,632.93	1,320.39
		For 316 Stainless Steel Coupling, Add	*1,920.00*	

23 09 23 11-0229 Electro-Hydraulic Accessories Trident Actuator Company *(23 09 23 11-0210)*

23 09 23 11-0230	EA	NEMA 4X Controller, With Push Button (For Model 2000 And 3000)	36,324.14	452.38
23 09 23 11-0231	EA	NEMA 4X Controller, With Push Button (For Model 2500 And 3500)	41,649.55	452.38
23 09 23 11-0232	EA	AB 500 Touch Screen (For Model 2000 And 3000)	11,732.92	94.27
23 09 23 11-0233	EA	AB 500 Touch Screen (For Model 2500 And 3500)	13,770.16	94.27

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002 Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0001)*

23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36)	152.58	24.89
23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36)	167.27	24.89
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36)	185.02	24.89
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36)	242.62	33.17
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36)	268.94	33.17
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36)	283.63	33.17
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36)	322.18	33.17
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36)	376.73	41.47
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36)	167.27	24.89
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36)	175.84	24.89
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36)	210.18	33.17
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36)	251.19	33.17
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36)	294.72	41.47
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36)	309.41	41.47
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36)	347.35	41.47
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36)	401.88	49.76
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36)	185.02	24.89
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36)	221.81	33.17
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36)	231.60	33.17
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36)	276.97	41.47
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36)	306.35	41.47
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36)	343.12	49.76
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36)	375.56	49.76
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36)	411.06	49.76
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36)	242.62	33.17
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36)	204.67	33.17
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36)	247.59	41.47
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36)	285.54	41.47
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36)	325.99	49.76
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36)	360.87	49.76
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36)	407.45	58.06
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36)	439.28	58.06
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36)	204.67	33.17
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36)	229.84	41.47
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36)	256.16	41.47
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36)	313.75	49.76
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36)	340.68	49.76
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36)	389.09	58.06
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36)	427.65	58.06
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36)	457.03	58.06
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36)	210.18	33.17
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36)	235.96	41.47
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36)	275.80	49.76
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36)	322.93	49.76
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36)	362.77	58.06
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36)	398.27	58.06
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36)	430.71	58.06
23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36)	474.78	58.06
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36)	213.24	33.17
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36)	238.41	41.47
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36)	284.37	49.76
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36)	342.58	58.06
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36)	377.46	58.06
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36)	409.90	58.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36)	445.40	58.06
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36)	503.00	66.35
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36)	241.47	41.47
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36)	267.23	49.76
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36)	293.55	49.76
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36)	351.15	58.06
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36)	389.09	58.06
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36)	427.65	58.06
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36)	473.62	66.35
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36)	514.63	66.35
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36)	550.12	66.35
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36)	588.07	66.35
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36)	620.51	66.35
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36)	658.46	66.35
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36)	697.02	66.35
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36)	728.84	66.35
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36)	772.91	66.35
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36)	824.99	74.65
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36)	889.86	74.65
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36)	1,088.17	74.65
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36)	1,088.17	74.65
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36)	1,173.85	74.65
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36)	564.81	66.35
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36)	602.76	66.35
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36)	640.71	66.35
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36)	682.33	66.35
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36)	717.21	66.35
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36)	766.23	74.65
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	810.30	74.65
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	851.31	74.65
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	913.12	74.65
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,121.22	74.65
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,121.22	74.65
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,206.90	74.65
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	581.95	66.35
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	620.51	66.35
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	658.46	66.35
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	699.46	66.35
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	751.54	74.65
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	792.55	74.65
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	831.11	74.65
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	877.62	74.65
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	939.44	74.65
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,160.39	74.65
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,160.39	74.65
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,263.28	82.95
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	564.81	66.35
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	602.76	66.35
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	640.71	66.35
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	682.33	66.35
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	717.21	66.35
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	766.23	74.65
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	810.30	74.65
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	851.31	74.65
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	913.12	74.65
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,121.22	74.65
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,121.22	74.65
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,206.90	74.65
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	581.95	66.35
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	620.51	66.35
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	658.46	66.35
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	699.46	66.35
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	751.54	74.65
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	792.55	74.65
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	831.11	74.65
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	877.62	74.65
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	939.44	74.65
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,160.39	74.65
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,160.39	74.65
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,263.28	82.95
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	599.70	66.35
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	638.26	66.35
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	679.27	66.35
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	736.85	74.65
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	774.80	74.65
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	810.30	74.65
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	854.37	74.65
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	898.43	74.65
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36)	968.82	74.65
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36)	1,216.76	82.95
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36)	1,216.76	82.95
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36)	1,303.06	82.95
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36)	1,014.05	66.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36)	1,072.81	66.35
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36)	1,180.59	74.65
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36)	1,262.60	74.65
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36)	1,321.36	74.65
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36)	1,389.29	74.65
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36)	1,477.43	74.65
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36)	1,571.07	74.65
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36)	1,699.66	82.95
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36)	1,910.82	82.95
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36)	1,911.43	82.95
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36)	2,043.02	82.95
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36)	1,025.68	66.35
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36)	1,110.20	74.65
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36)	1,198.34	74.65
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36)	1,271.78	74.65
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36)	1,339.11	74.65
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36)	1,415.61	74.65
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36)	1,500.69	74.65
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36)	1,623.16	82.95
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36)	1,740.67	82.95
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36)	1,910.82	82.95
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36)	1,910.82	82.95
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36)	2,043.02	82.95
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36)	1,060.01	74.65
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36)	1,136.52	74.65
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36)	1,221.59	74.65
23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36)	1,298.10	74.65
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36)	1,380.11	74.65
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36)	1,441.93	74.65
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36)	1,543.59	82.95
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36)	1,646.42	82.95
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36)	1,781.68	82.95
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36)	1,976.92	82.95
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36)	1,976.92	82.95
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36)	2,148.91	82.95
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36)	1,077.76	74.65
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36)	1,162.84	74.65
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36)	1,244.85	74.65
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36)	1,318.30	74.65
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36)	1,400.92	74.65
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36)	1,484.84	82.95
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36)	1,567.46	82.95
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36)	1,667.23	82.95
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36)	1,822.69	82.95
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36)	1,976.92	82.95
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36)	1,976.92	82.95
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36)	2,165.50	91.23
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36)	1,092.45	74.65
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36)	1,180.59	74.65
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36)	1,259.54	74.65
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36)	1,339.11	74.65
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36)	1,440.77	82.95
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36)	1,511.15	82.95
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36)	1,602.35	82.95
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36)	1,693.54	82.95
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36)	1,846.56	82.95
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36)	2,043.02	82.95
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36)	2,059.61	91.23
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36)	2,231.60	91.23
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36)	1,109.59	74.65
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36)	1,198.34	74.65
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36)	1,271.78	74.65
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36)	1,376.50	82.95
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36)	1,464.64	82.95
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36)	1,538.08	82.95
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36)	1,640.91	82.95
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36)	1,719.86	82.95
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36)	1,869.81	82.95
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36)	2,059.61	91.23
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36)	2,059.61	91.23
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36)	2,231.60	91.23
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36)	1,127.34	74.65
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36)	1,213.02	74.65
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36)	1,311.63	82.95
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36)	1,399.76	82.95
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36)	1,487.90	82.95
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36)	1,561.34	82.95
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36)	1,664.17	82.95
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36)	1,763.93	82.95
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36)	1,912.72	91.23
23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36)	2,125.71	91.23
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36)	2,125.71	91.23
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36)	2,297.70	91.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36)	1,145.09	74.65
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36)	1,230.16	74.65
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36)	1,334.89	82.95
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36)	1,432.20	82.95
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36)	1,511.15	82.95
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36)	1,584.60	82.95
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36)	1,687.42	82.95
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36)	1,798.27	91.23
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36)	1,939.04	91.23
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36)	2,125.71	91.23
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36)	2,125.71	91.23
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36)	2,297.70	91.23
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36)	1,156.72	74.65
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36)	1,261.44	82.95
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36)	1,358.76	82.95
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36)	1,464.64	82.95
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36)	1,528.90	82.95
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36)	1,608.47	82.95
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36)	1,727.88	91.23
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36)	1,830.71	91.23
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36)	1,965.97	91.23
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36)	2,205.28	91.23
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36)	2,205.28	91.23
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36)	2,377.26	91.23
23 09 23 12-0247		Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0001)*		
23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	298.31	24.89
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	386.21	24.89
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	446.83	24.89
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	472.51	33.17
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	536.17	33.17
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	593.76	33.17
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	602.85	33.17
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	680.07	41.47
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	298.31	24.89
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	386.21	24.89
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	463.42	33.17
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	472.51	33.17
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	552.77	41.47
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	610.36	41.47
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	619.45	41.47
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	696.65	49.76
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	310.43	24.89
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	424.02	33.17
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	493.73	33.17
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	516.39	41.47
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	586.11	41.47
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	663.31	49.76
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	672.40	49.76
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	748.18	49.76
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	351.27	33.17
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	463.42	33.17
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	552.77	41.47
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	561.86	41.47
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	639.06	49.76
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	717.87	49.76
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	755.68	58.06
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	816.30	58.06
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	375.52	33.17
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	504.27	41.47
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	577.02	41.47
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	605.72	49.76
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	687.56	49.76
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	779.93	58.06
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	795.08	58.06
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	870.86	58.06
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	387.64	33.17
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	525.49	41.47
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	620.88	49.76
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	636.03	49.76
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	740.52	58.06
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	819.33	58.06
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	825.39	58.06
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	922.39	58.06
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	414.92	33.17
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	558.83	41.47
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	672.40	49.76
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	698.09	58.06
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	795.08	58.06
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	867.83	58.06
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	886.01	58.06
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	990.51	66.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	458.80	41.47
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	602.69	49.76
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	696.65	49.76
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	722.34	58.06
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	825.39	58.06
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	925.42	58.06
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	948.07	66.35
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,048.10	66.35
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,136.00	66.35
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,157.21	66.35
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,260.27	66.35
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,354.24	66.35
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,375.45	66.35
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,463.35	66.35
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,554.29	66.35
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,589.05	74.65
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,683.02	74.65
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,356.67	74.65
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,356.67	74.65
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,402.90	74.65
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,199.65	66.35
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,217.84	66.35
23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,317.86	66.35
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,426.98	66.35
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,436.07	66.35
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,552.68	74.65
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,655.74	74.65
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,683.02	74.65
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,786.07	74.65
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.86	74.65
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.86	74.65
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,536.27	74.65
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,251.18	66.35
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,278.46	66.35
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,381.51	66.35
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,502.76	66.35
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,528.43	74.65
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,631.49	74.65
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,746.67	74.65
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,773.95	74.65
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,873.97	74.65
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,609.77	74.65
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,609.77	74.65
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,686.22	82.95
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,199.65	66.35
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,217.84	66.35
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,317.86	66.35
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,426.98	66.35
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,436.07	66.35
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,552.68	74.65
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,655.74	74.65
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,683.02	74.65
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,786.07	74.65
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.86	74.65
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,496.86	74.65
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,536.27	74.65
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,251.18	66.35
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,278.46	66.35
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,317.86	66.35
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,426.98	66.35
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,528.43	74.65
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,631.49	74.65
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,746.67	74.65
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,773.95	74.65
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,873.97	74.65
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,609.77	74.65
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,609.77	74.65
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,686.22	82.95
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,308.77	66.35
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,333.02	66.35
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,451.23	66.35
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,589.05	74.65
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,613.30	74.65
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,713.33	74.65
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,828.51	74.65
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,849.73	74.65
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,961.88	74.65
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,752.91	82.95
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,752.91	82.95
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,806.71	82.95
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,490.63	66.35
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,514.88	66.35
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,661.80	74.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,807.29	74.65
23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,831.54	74.65
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,946.72	74.65
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,070.99	74.65
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,119.49	74.65
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,290.67	82.95
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,033.54	82.95
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,033.54	82.95
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,193.43	82.95
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,554.29	66.35
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,601.18	74.65
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,731.51	74.65
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,898.22	74.65
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,925.50	74.65
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,049.78	74.65
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,180.11	74.65
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,242.17	82.95
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,369.48	82.95
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,033.54	82.95
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,033.54	82.95
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,193.43	82.95
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,637.55	74.65
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,661.80	74.65
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,816.38	74.65
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,970.97	74.65
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,001.28	74.65
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,131.62	74.65
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,290.67	82.95
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,320.98	82.95
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,475.56	82.95
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,366.96	82.95
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,366.96	82.95
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,420.00	82.95
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,252.86	74.65
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,280.14	74.65
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,525.66	74.65
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,683.27	74.65
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,737.83	74.65
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.22	82.95
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,124.21	82.95
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,172.71	82.95
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,333.36	82.95
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,366.96	82.95
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,366.96	82.95
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,436.59	91.23
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,310.45	74.65
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,340.76	74.65
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,574.15	74.65
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,762.08	74.65
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,824.14	82.95
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,009.03	82.95
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,209.08	82.95
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,254.55	82.95
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,457.63	82.95
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,580.65	82.95
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,597.24	91.23
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,690.44	91.23
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,361.98	74.65
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,401.38	74.65
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,628.71	74.65
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,854.45	82.95
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,896.88	82.95
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,090.87	82.95
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,293.95	82.95
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,333.36	82.95
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,545.53	82.95
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,597.24	91.23
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,597.24	91.23
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,690.44	91.23
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,425.63	74.65
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,468.07	74.65
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,711.99	82.95
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,933.26	82.95
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,960.54	82.95
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,172.71	82.95
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,387.92	82.95
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,439.45	82.95
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,671.24	91.23
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,876.86	91.23
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,876.86	91.23
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,957.18	91.23
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,495.35	74.65
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,534.75	74.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,775.64	82.95
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,009.03	82.95
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,030.25	82.95
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,254.55	82.95
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,481.88	82.95
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,562.12	91.23
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,783.39	91.23
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,876.86	91.23
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,876.86	91.23
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,957.18	91.23
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,552.94	74.65
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,596.81	82.95
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,827.17	82.95
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,087.84	82.95
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,099.97	82.95
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,312.14	82.95
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,571.22	91.23
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,637.90	91.23
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,862.20	91.23
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,103.43	91.23
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,103.43	91.23
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,223.91	91.23

23 09 23 12-0492 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0493	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	183.82	20.57
23 09 23 12-0494	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	208.63	22.56
23 09 23 12-0495	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	234.06	24.89
23 09 23 12-0496	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	269.65	29.19
23 09 23 12-0497	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	304.57	33.17
23 09 23 12-0498	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	299.39	37.32
23 09 23 12-0499	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	377.39	41.47
23 09 23 12-0500	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	450.14	49.76
23 09 23 12-0501	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	591.46	58.06
23 09 23 12-0502	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	923.80	66.35
23 09 23 12-0503	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,802.29	74.65
23 09 23 12-0504	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,316.69	82.95

23 09 23 12-0505 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0506	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	171.17	23.23
23 09 23 12-0507	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	174.60	24.89
23 09 23 12-0508	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	184.60	24.89
23 09 23 12-0509	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	203.61	28.19
23 09 23 12-0510	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	240.68	28.19
23 09 23 12-0511	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	255.13	33.17
23 09 23 12-0512	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	344.92	34.92
23 09 23 12-0513	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	361.49	36.20
23 09 23 12-0514	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	381.86	39.02
23 09 23 12-0515	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	402.79	41.85

23 09 23 12-0516 Control Damper Actuators *(23 09 23 12)*

23 09 23 12-0517	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	418.39	54.82
23 09 23 12-0518	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	473.12	54.82
23 09 23 12-0519	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	562.78	54.82
23 09 23 12-0520	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	605.62	54.82
23 09 23 12-0521	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	631.05	54.82
23 09 23 12-0522	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	731.01	54.82

23 09 23 12-0523 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0524	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	213.07	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	
23 09 23 12-0525	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	204.13	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	357.79	3.56
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	265.73	3.56
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	424.14	3.56
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	220.78	3.56
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	220.78	3.56
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	220.78	3.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	327.83	3.56
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	195.09	3.56

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,496.39	66.67

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,248.54	63.70
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,170.92	63.70
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,719.81	63.70

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,224.60	21.34
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	958.49	14.22
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,745.93	21.34
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	877.39	25.60

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	497.88	25.60
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	514.98	25.60
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	550.01	35.57
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	495.55	14.22

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	166.97	10.01
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	162.89	10.01
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	231.33	10.01
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	201.12	10.01
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	35.16	10.01
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	29.54	10.01
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	87.41	10.01

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	684.69	30.03
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	592.83	30.03
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	148.35	30.03
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	159.02	30.03
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	179.91	30.03
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	155.93	30.03
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,921.96	30.03
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,921.96	30.03
23 09 23 23-0010	EA	Magnahelic Gauge	561.29	18.36

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,510.46	33.17
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,746.44	33.17
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	420.40	19.91
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	491.76	19.91

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	103.94	25.60
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	195.80	25.60
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	114.51	25.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	125.35	25.60
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	128.95	25.60
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	125.39	25.60
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	127.31	25.60
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	145.56	25.60
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	161.50	25.60
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	173.37	35.57
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	185.64	35.57
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	87.46	14.22
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	91.98	14.22
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	80.12	14.22

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	94.38	27.52
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	173.69	27.52

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	344.86	6.66
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	298.06	6.66

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	82.24	
23 09 23 53-0004	HR	EMCS Engineering Project Management	82.24	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	86.69	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	71.13	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	74.47	
23 09 23 53-0008	HR	EMCS System Controls Training	77.80	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	80.03	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	68.91	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	66.69	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	58.38	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	58.38	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	58.38	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	50.02	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	19.48	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	13,498.54	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	18,565.49	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	53,562.52	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	39,107.23	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	107,579.64	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	83,932.31	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	130,403.75	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	3,181.82	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	46,806.56	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	33,089.25	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	18,459.00	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	9,762.98	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,280.00	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	7,532.90	106.70
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	11,426.48	142.27
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	11,240.84	142.27
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,044.13	106.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,132.10	106.70
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,709.37	106.70
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	3,882.56	106.70
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	12,052.07	106.70
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	3,686.06	142.27
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	8,657.89	284.53
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	11,039.24	284.53
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,571.98	31.68
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,093.14	106.70
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,344.22	106.70
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,476.90	106.70
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,826.88	106.70
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,811.66	106.70
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,820.18	106.70
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,437.04	106.70
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	4,013.23	142.27
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,614.04	71.13
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,513.59	71.13
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	1,849.68	106.70
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	1,849.68	106.70
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,660.70	106.70
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	6,677.57	142.27
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,994.24	106.70
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	200.45	4.00
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	377.57	4.00
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	1,095.76	4.00
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	1,095.76	4.00
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	834.07	4.00
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	225.43	4.00
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	1,161.21	4.00
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,313.39	4.00
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,804.96	106.70
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	4,179.26	106.70
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,856.70	106.70
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	9,176.25	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	5,094.94	106.70
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,100.68	59.35
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,098.62	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,218.90	4.00

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	4,560.68	106.70
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	8,570.61	320.09
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,485.13	106.70
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	6,907.00	142.27
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	6,752.11	142.27
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	9,786.82	284.53
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	5,745.31	142.27
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	6,481.34	106.70
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	8,857.47	284.53
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,354.44	71.13
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	1,495.20	71.13
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,627.75	71.13
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	3,453.50	71.13
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,082.41	106.70
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	21,357.84	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	11,909.43	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	19,717.16	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP)	553.97	4.45
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP)	553.97	4.45
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	553.97	4.45
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	553.97	4.45
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	634.27	4.45
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	634.27	4.45
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	634.27	4.45
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	634.27	4.45
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	38.88	4.45
		For >50 To 200, Deduct	*-1.91*	
		For >200, Deduct	*-3.83*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	4,900.53	4.45
		For 2, Deduct	*-262.58*	
		For >2, Deduct	*-524.69*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	497.19	4.45
		For 2, Deduct	*-27.40*	
		For >2, Deduct	*-54.74*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	836.13	4.45
		For >5 To 10, Deduct	*-45.25*	
		For >10, Deduct	*-90.42*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	990.91	4.45
		For >5 To 10, Deduct	*-52.62*	
		For >10, Deduct	*-105.15*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,370.53
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,463.82
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,671.61
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	15,018.02
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,578.32
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,370.53
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,090.38
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,578.32
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,424.62
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,993.66

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	6,753.20	177.83
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,372.49	177.83
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	2,389.81	177.83
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	2,389.81	177.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	2,389.81	177.83
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	2,027.24	177.83
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,014.07	88.92
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	854.12	88.92
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	960.25	88.92
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	854.12	88.92
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,825.28	111.15
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	567.86	44.46
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	635.30	44.46
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	810.20	44.46
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	236.34	14.22
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	337.60	16.00
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	752.76	6.66
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)*		
		Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	10,378.86	216.73
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	6,184.03	216.73
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	4,057.49	216.73
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	5,749.72	216.73
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	3,999.22	216.73
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	3,999.22	216.73
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,584.49	216.73
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,198.88	216.73
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,584.49	216.73
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,198.88	216.73
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,204.18	216.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,818.57	216.73
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,204.18	216.73
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,818.57	216.73
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,720.59	216.73
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,772.98	216.73
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,405.91	216.73
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,458.31	216.73
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	8,435.04	216.73
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	12,346.51	216.73
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,690.71	60.01
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,406.02	40.01
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,753.97	75.04
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	2,854.32	108.38
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,320.98	108.38
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	68.73	13.34
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,226.13	245.08
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,059.42	145.06
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,296.15	287.09
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,129.44	187.07
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,594.71	300.12
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,469.66	224.87
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,669.72	345.13
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,534.65	264.12
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,877.05	245.05
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,710.34	145.06
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,968.77	300.12
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,802.01	200.06
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,764.87	249.09
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,594.81	203.61
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,856.58	345.13
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,686.48	229.40
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,701.55	345.13
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,549.85	220.51
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,884.98	345.13
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,733.24	258.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,125.31	265.10
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,627.45	265.10
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,755.04	311.78
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,257.17	311.78
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	7,467.38	365.13
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,047.82	365.13
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	603.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	697.81	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	730.92	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	689.87	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	700.46	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	684.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	589.24	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	512.44	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	750.78	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	671.33	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	741.51	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,574.38	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,958.38	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	978.53	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	963.96	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	472.71	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	537.59	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	993.09	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,061.95	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	664.71	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	664.71	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	664.71	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	664.71	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	117.85	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	222.45	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	218.48	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	668.68	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	99.31	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	668.68	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	615.72	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	615.72	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	648.82	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	648.82	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	933.51	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,101.67	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,341.05	
23 09 23 53-0235		**Computer Equipment And Printers** *(23 09 23 53-0141)* See CSI section 11 28 13 00-0000 for PCs, monitors and printers.		
23 09 23 53-0236		**EMCS Software** *(23 09 23 53-0140)*		
23 09 23 53-0237		**Software Packages And License** *(23 09 23 53-0236)* Note: Includes installation on equipment.		
23 09 23 53-0238	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	746.81	
23 09 23 53-0239	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,624.22	
23 09 23 53-0240	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,341.99	
23 09 23 53-0241	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,965.47	
23 09 23 53-0242	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,404.88	
23 09 23 53-0243	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,650.66	
23 09 23 53-0244	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,755.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0245	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E² Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	605.17	
23 09 23 53-0246	EA	Perpetual License For One Point Of E² Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	294.00	
23 09 23 53-0247	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	38,010.38	
23 09 23 53-0248	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	34,593.97	
23 09 23 53-0249	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	13,302.16	
23 09 23 53-0250	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,925.64	
23 09 23 53-0251	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,869.38	
23 09 23 53-0252	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,869.38	
23 09 23 53-0253	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,861.88	
23 09 23 53-0254	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,648.25	
23 09 23 53-0255	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,869.38	
23 09 23 53-0256	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,503.82	
23 09 23 53-0257	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,869.38	
23 09 23 53-0258	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	48,110.76	
23 09 23 53-0259	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	88,275.44	
23 09 23 53-0260	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	154,481.69	
23 09 23 53-0261	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,944.75	
23 09 23 53-0262	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,972.38	
23 09 23 53-0263	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	2,835.00	
23 09 23 53-0264	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,220.07	

23 09 23 53-0265 Initial Database Generation *(23 09 23 53-0236)*

23 09 23 53-0266	PNT	Database Generation For Central Plant	29.83	
23 09 23 53-0267	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	29.83	
23 09 23 53-0268	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	29.83	
23 09 23 53-0269	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	20.77	
23 09 23 53-0270	EA	Database Generation For Remote IO Modules, Sensors, etc.	20.77	

23 09 23 53-0271 Application Software Programs *(23 09 23 53-0236)*

23 09 23 53-0272	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	41.61	
23 09 23 53-0273	EA	Duty Cycling Program	19.65	
23 09 23 53-0274	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	36.50	

23 09 23 53-0275 Color Graphics Generation *(23 09 23 53-0236)*

Note: Priced per page.

23 09 23 53-0276	EA	Single Site Home Page Graphics Page With HTML Navigation Code	745.92	
23 09 23 53-0277	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	1,324.34	
23 09 23 53-0278	EA	Color Graphics Page For Central Plant	338.90	
23 09 23 53-0279	EA	Color Graphics Page For Building Floor Plan	312.94	
23 09 23 53-0280	EA	Replication Of Color Graphics Page For Central Plant	170.00	
23 09 23 53-0281	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	381.26	
23 09 23 53-0282	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	81.53	
23 09 23 53-0283	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	352.63	
23 09 23 53-0284	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	35.25	

23 09 23 53-0285 Sensors, Actuators And Control Devices *(23 09 23 53-0140)*

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0286 Special Sensors *(23 09 23 53-0285)*

23 09 23 53-0287	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,175.81	27.52
23 09 23 53-0288	EA	Enthalpy Sensor -25 To 125 F	2,279.55	27.52
23 09 23 53-0289	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	762.41	55.04
23 09 23 53-0290	EA	Freezestat (Honeywell L482A1004)	462.44	91.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0291	EA	Wall Mounted Occupancy Sensor	403.68	27.52
23 09 23 53-0292	EA	Ceiling Mounted Occupancy Sensor	289.32	27.52
23 09 23 53-0293	EA	I/P Positioner With Gauge	345.66	27.52
23 09 23 53-0294	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	410.17	27.52
23 09 23 53-0295	EA	EP Transducer	345.66	18.36
23 09 23 53-0296	EA	Electric Heat Sequencer	517.75	36.68
23 09 23 53-0297		**Meters** *(23 09 23 53-0285)*		
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	3,554.68	220.07
23 09 23 53-0299	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	4,975.70	256.75
23 09 23 53-0300	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,058.04	91.71
23 09 23 53-0301	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,325.32	91.71
23 09 23 53-0302	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	1,837.91	91.71
23 09 23 53-0303		**Direct Coupled Actuators** *(23 09 23 53-0285)*		
23 09 23 53-0304	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	529.39	54.74
23 09 23 53-0305	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	604.69	54.74
23 09 23 53-0306	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	734.16	54.74
23 09 23 53-0307	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	485.33	54.74
23 09 23 53-0308	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	566.31	54.74
23 09 23 53-0309	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	646.50	54.74
23 09 23 53-0310	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	570.74	54.74
23 09 23 53-0311	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	686.21	54.74
23 09 23 53-0312	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	810.84	54.74
23 09 23 53-0313	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	425.25	54.74
23 09 23 53-0314	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	486.74	54.74
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	610.26	54.74
23 09 23 53-0316	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	668.40	54.74
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	667.68	54.74
23 09 23 53-0318	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	827.13	54.74
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	450.45	54.74
23 09 23 53-0320	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	858.86	54.74
23 09 23 53-0321	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	316.52	54.74
23 09 23 53-0322	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	518.83	54.74
23 09 23 53-0323		**Plastic, Two Way, Pneumatic Activated** *(23 09 23 53-0285)*		
23 09 23 53-0324		**Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 09 23 53-0323)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0325	EA	1-1/2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,715.84	23.76
		For Low Pressure Steam, Add	*266.83*	
23 09 23 53-0326	EA	2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,724.87	28.28
		For Low Pressure Steam, Add	*266.83*	
23 09 23 53-0327	EA	3" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,884.84	75.42
		For Low Pressure Steam, Add	*273.42*	
23 09 23 53-0328	EA	4" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,910.64	113.13
		For Low Pressure Steam, Add	*268.40*	
23 09 23 53-0329	EA	6" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,146.28	150.84
		For Low Pressure Steam, Add	*284.41*	
23 09 23 53-0330	EA	8" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,650.98	169.70
		For Low Pressure Steam, Add	*331.19*	
23 09 23 53-0331		**Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals** *(23 09 23 53-0323)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0332	EA	1-1/2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,788.04	23.76
		For Low Pressure Steam, Add	*274.05*	
23 09 23 53-0333	EA	2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,797.07	28.28
		For Low Pressure Steam, Add	*274.05*	
23 09 23 53-0334	EA	3" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,953.91	75.42
		For Low Pressure Steam, Add	*280.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0335	EA	4" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,237.11	113.13
		For Low Pressure Steam, Add	*301.05*	
23 09 23 53-0336	EA	6" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,257.55	150.84
		For Low Pressure Steam, Add	*395.54*	
23 09 23 53-0337	EA	8" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,509.38	169.70
		For Low Pressure Steam, Add	*517.03*	
23 09 23 53-0338		**Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0323)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0339	EA	1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,499.16	39.98
		For Low Pressure Steam, Add	*141.89*	
23 09 23 53-0340	EA	3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,572.83	47.14
		For Low Pressure Steam, Add	*147.86*	
23 09 23 53-0341	EA	1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,645.96	53.93
		For Low Pressure Steam, Add	*153.82*	
23 09 23 53-0342	EA	1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,016.64	57.32
		For Low Pressure Steam, Add	*190.24*	
23 09 23 53-0343	EA	1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,028.06	62.98
		For Low Pressure Steam, Add	*190.24*	
23 09 23 53-0344	EA	2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,433.52	72.41
		For Low Pressure Steam, Add	*228.85*	
23 09 23 53-0345		**Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0323)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0346	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,674.95	39.98
		For Low Pressure Steam, Add	*159.47*	
23 09 23 53-0347	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,780.02	47.14
		For Low Pressure Steam, Add	*168.58*	
23 09 23 53-0348	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,871.98	53.93
		For Low Pressure Steam, Add	*176.42*	
23 09 23 53-0349	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,318.00	57.32
		For Low Pressure Steam, Add	*220.37*	
23 09 23 53-0350	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,329.42	62.98
		For Low Pressure Steam, Add	*220.37*	
23 09 23 53-0351	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,694.07	72.41
		For Low Pressure Steam, Add	*254.90*	
23 09 23 53-0352		**Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0323)*		
		Note: With VITON seals.		
23 09 23 53-0353	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	628.96	39.98
		For Low Pressure Steam, Add	*54.90*	
23 09 23 53-0354	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	698.00	47.14
		For Low Pressure Steam, Add	*60.37*	
23 09 23 53-0355	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	758.49	53.93
		For Low Pressure Steam, Add	*65.06*	
23 09 23 53-0356	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,016.57	56.94
		For Low Pressure Steam, Add	*90.27*	
23 09 23 53-0357	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,020.33	58.83
		For Low Pressure Steam, Add	*90.27*	
23 09 23 53-0358	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,287.32	68.26
		For Low Pressure Steam, Add	*115.08*	
23 09 23 53-0359		**Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0323)*		
		Note: With PTFE seals.		
23 09 23 53-0360	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	677.81	39.98
		For Low Pressure Steam, Add	*59.79*	
23 09 23 53-0361	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	742.95	47.14
		For Low Pressure Steam, Add	*64.87*	
23 09 23 53-0362	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	801.47	53.93
		For Low Pressure Steam, Add	*69.36*	
23 09 23 53-0363	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,047.83	56.94
		For Low Pressure Steam, Add	*93.39*	
23 09 23 53-0364	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,051.59	58.83
		For Low Pressure Steam, Add	*93.39*	
23 09 23 53-0365	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,308.82	68.26
		For Low Pressure Steam, Add	*117.23*	
23 09 23 53-0366		**Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0323)*		
		Note: With ethylene propylene diene monomer (EPDM) seals.		
23 09 23 53-0367	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	556.70	39.98
		For Low Pressure Steam, Add	*47.68*	
23 09 23 53-0368	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	608.13	47.14
		For Low Pressure Steam, Add	*51.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0369	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	658.85	53.93
		For Low Pressure Steam, Add	*55.10*	
23 09 23 53-0370	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	895.43	56.94
		For Low Pressure Steam, Add	*78.15*	
23 09 23 53-0371	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	899.19	58.83
		For Low Pressure Steam, Add	*78.15*	
23 09 23 53-0372	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,136.89	68.26
		For Low Pressure Steam, Add	*100.04*	

23 09 23 53-0373 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve *(23 09 23 53-0323)*

Note: Equipped for actuator.

23 09 23 53-0374	EA	1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	125.41	13.58
23 09 23 53-0375	EA	3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	144.78	16.60
23 09 23 53-0376	EA	1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	156.47	17.73
23 09 23 53-0377	EA	1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	298.40	26.78
23 09 23 53-0378	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	437.40	54.68
23 09 23 53-0379	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	941.92	75.42
23 09 23 53-0380	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,786.42	113.13
23 09 23 53-0381	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	710.51	54.68
23 09 23 53-0382	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	1,425.57	128.22
23 09 23 53-0383	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	2,595.51	214.95

23 09 23 53-0384 Electric Activated Plastic Control Valves *(23 09 23 53-0285)*

Note: Includes motor.

23 09 23 53-0385 Two Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0384)*

Note: With NEMA 4X housing.

23 09 23 53-0386 Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0385)*

23 09 23 53-0387	EA	1/2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	800.27	12.45
23 09 23 53-0388	EA	3/4" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	821.24	15.08
23 09 23 53-0389	EA	1" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	854.90	16.21
23 09 23 53-0390	EA	1-1/4" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	901.38	23.76
23 09 23 53-0391	EA	1-1/2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	901.38	23.76
23 09 23 53-0392	EA	2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	979.47	28.28

23 09 23 53-0393 Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0385)*

23 09 23 53-0394	EA	1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	856.78	12.45
23 09 23 53-0395	EA	3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	877.74	15.08
23 09 23 53-0396	EA	1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	933.38	16.21
23 09 23 53-0397	EA	1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	992.42	23.76
23 09 23 53-0398	EA	1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	992.42	23.76
23 09 23 53-0399	EA	2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,095.63	28.28

23 09 23 53-0400 Three Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0384)*

Note: With NEMA 4X housing.

23 09 23 53-0401 Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0400)*

23 09 23 53-0402	EA	1/2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	859.04	13.58
23 09 23 53-0403	EA	3/4" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	880.76	16.60
23 09 23 53-0404	EA	1" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	923.83	17.73
23 09 23 53-0405	EA	1-1/2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	1,089.47	26.78
23 09 23 53-0406	EA	2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	1,293.10	54.68

23 09 23 53-0407 Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0400)*

23 09 23 53-0408	EA	1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	906.13	13.58
23 09 23 53-0409	EA	3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	940.41	16.60
23 09 23 53-0410	EA	1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	989.76	17.73
23 09 23 53-0411	EA	1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,186.78	26.78
23 09 23 53-0412	EA	2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,434.36	54.68

23 09 23 53-0413 Two Way Plastic Electric Control Butterfly Valves *(23 09 23 53-0384)*

Note: Includes electric actuator. With NEMA 4X housing.

23 09 23 53-0414 Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0413)*

23 09 23 53-0415	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,816.29	23.76
23 09 23 53-0416	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,825.32	28.28
23 09 23 53-0417	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,953.91	75.42
23 09 23 53-0418	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,554.17	113.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0419	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,905.96	150.84
23 09 23 53-0420	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,410.66	169.70
23 09 23 53-0421		**Polyvinyl Chloride (PVC) With Viton Liner And Seals** *(23 09 23 53-0413)*		
23 09 23 53-0422	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,171.02	23.76
23 09 23 53-0423	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,180.05	28.28
23 09 23 53-0424	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,336.89	75.42
23 09 23 53-0425	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,100.39	113.13
23 09 23 53-0426	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,828.89	150.84
23 09 23 53-0427	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,955.15	169.70
23 09 23 53-0428		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0429		**Electric And Electronic Thermostats** *(23 09 23 53-0428)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0430	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	152.48	6.66
23 09 23 53-0431	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	171.56	6.66
23 09 23 53-0432	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	150.36	6.66
23 09 23 53-0433	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	179.40	6.66
23 09 23 53-0434	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	201.24	6.66
23 09 23 53-0435	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	341.17	6.66
23 09 23 53-0436	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	540.46	6.66
23 09 23 53-0437	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	934.53	6.66
23 09 23 53-0438	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,003.00	6.66
23 09 23 53-0439		**Pneumatic Thermostats** *(23 09 23 53-0428)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0440	EA	Pneumatic Thermostat (Honeywell TP970B2182)	266.61	6.66
23 09 23 53-0441		**Thermostats Guards** *(23 09 23 53-0428)*		
23 09 23 53-0442	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	54.58	6.66
23 09 23 53-0443	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	70.48	6.66
23 09 23 53-0444	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	64.75	6.66
23 09 23 53-0445		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0446		**Software** *(23 09 23 53-0445)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0447	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,288.34	
23 09 23 53-0448	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	25,229.14	
23 09 23 53-0449	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	971.82	
23 09 23 53-0450	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,621.28	
23 09 23 53-0451	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,094.56	
23 09 23 53-0452	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	982.82	
23 09 23 53-0453	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	975.25	
23 09 23 53-0454	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	171.93	
23 09 23 53-0455		**Supervisory Controllers** *(23 09 23 53-0445)*		
23 09 23 53-0456	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	6,506.39	177.83
23 09 23 53-0457	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	11,703.62	177.83
23 09 23 53-0458	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	16,912.37	177.83
23 09 23 53-0459	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	4,504.44	177.83
23 09 23 53-0460		**Controllers** *(23 09 23 53-0445)*		
23 09 23 53-0461	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	730.12	44.46
23 09 23 53-0462	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,076.66	88.92
23 09 23 53-0463	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,150.97	88.92
23 09 23 53-0464	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,497.51	88.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0465	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	531.30	44.46
23 09 23 53-0466	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	619.67	44.46
23 09 23 53-0467	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	752.22	44.46
23 09 23 53-0468	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	769.88	44.46
23 09 23 53-0469	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,587.68	88.92
23 09 23 53-0470	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	746.21	44.46
23 09 23 53-0471	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,250.18	44.46

23 09 23 53-0472 Master FX Controllers *(23 09 23 53-0445)*

23 09 23 53-0473	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,195.57	88.92
23 09 23 53-0474	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,404.97	88.92
23 09 23 53-0475	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	2,509.03	88.92
23 09 23 53-0476	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,445.79	88.92
23 09 23 53-0477	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,346.96	88.92
23 09 23 53-0478	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,362.81	88.92
23 09 23 53-0479	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,346.96	88.92
23 09 23 53-0480	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,405.20	88.92
23 09 23 53-0481	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	2,586.05	88.92
23 09 23 53-0482	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	2,706.61	88.92
23 09 23 53-0483	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	2,646.32	88.92
23 09 23 53-0484	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	2,522.92	88.92
23 09 23 53-0485	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,405.20	88.92
23 09 23 53-0486	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	2,586.05	88.92
23 09 23 53-0487	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	2,706.61	88.92
23 09 23 53-0488	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	2,646.32	88.92
23 09 23 53-0489	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	2,522.92	88.92
23 09 23 53-0490	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	258.06	22.23
23 09 23 53-0491	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	406.42	22.23
23 09 23 53-0492	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	299.70	22.23
23 09 23 53-0493	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	258.06	22.23
23 09 23 53-0494	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	738.60	22.23
23 09 23 53-0495	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	662.29	22.23
23 09 23 53-0496	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	680.16	22.23
23 09 23 53-0497	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	680.16	22.23
23 09 23 53-0498	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	769.42	22.23
23 09 23 53-0499	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	769.42	22.23
23 09 23 53-0500	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,026.03	22.23
23 09 23 53-0501	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,026.03	22.23
23 09 23 53-0502	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,171.07	22.23
23 09 23 53-0503	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,171.07	22.23

23 09 23 53-0504 VAV, Network And Special Sensors *(23 09 23 53-0445)*

23 09 23 53-0505	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	586.27	14.22
23 09 23 53-0506	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	148.08	14.22
23 09 23 53-0507	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	437.40	14.22
23 09 23 53-0508	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	690.09	14.22
23 09 23 53-0509	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	180.89	14.22
23 09 23 53-0510	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	618.84	14.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0511		**Sensors - Hard Wired Type** *(23 09 23 53-0445)*		
23 09 23 53-0512	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	83.81	25.60
23 09 23 53-0513	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	110.56	14.22
23 09 23 53-0514	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	440.31	6.66
23 09 23 53-0515	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	621.67	6.66
23 09 23 53-0516	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	441.31	6.66
23 09 23 53-0517	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	602.66	14.22
23 09 23 53-0518	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	759.61	14.22
23 09 23 53-0519		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0520	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	421.96	6.66
23 09 23 53-0521	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	276.68	6.66
23 09 23 53-0522	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	207.98	30.03
23 09 23 53-0523	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	393.76	30.03
23 09 23 53-0524	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	74.60	4.45
23 09 23 53-0525	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	243.70	44.46
23 09 23 53-0526	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	430.20	13.12
23 09 23 53-0527	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	757.48	23.82
23 09 23 53-0528	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,572.14	23.82
23 09 23 53-0529	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,310.11	30.16
23 09 23 53-0530	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	230.77	25.60
23 09 23 53-0531	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	230.65	14.22
23 09 23 53-0532	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	553.58	20.98
23 09 23 53-0533	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	102.22	2.22
23 09 23 53-0534	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	850.73	42.68
23 09 23 53-0535	EA	MMI Extension Cable (Siemens 545-712)	295.69	2.22
23 09 23 53-0536	EA	Remote Pressure Transmitter (Siemens 547-003)	1,513.60	14.22
23 09 23 53-0537	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	875.05	10.67
23 09 23 53-0538	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	701.86	28.46
23 09 23 53-0539	EA	Door Lock And Key Assembly (Siemens 567-225)	28.82	8.89
23 09 23 53-0540	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,798.51	
23 09 23 53-0541	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	295.04	
23 09 23 53-0542	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,264.93	
23 09 23 53-0543	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	504.37	7.92
23 09 23 53-0544	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,073.19	13.73
23 09 23 53-0545	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,466.12	17.78
23 09 23 53-0546	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,346.86	17.78
23 09 23 53-0547	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	166.92	6.66
23 09 23 53-0548	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	415.71	26.55
23 09 23 53-0549	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	448.32	26.55
23 09 23 53-0550	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,668.72	
23 09 23 53-0551	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	942.74	
23 09 23 53-0552	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	3,034.12	
23 09 23 53-0553	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,172.01	
23 09 23 53-0554	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,867.16	
23 09 23 53-0555	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,520.18	
23 09 23 53-0556	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	860.57	0.89
23 09 23 53-0557	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	962.43	3.56
23 09 23 53-0558	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	479.13	0.89
23 09 23 53-0559	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	366.35	24.89
23 09 23 53-0560	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	732.46	24.89
23 09 23 53-0561	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,061.96	28.46
23 09 23 53-0562	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	26.54	4.45
23 09 23 53-0563	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	821.90	11.11
23 09 23 53-0564	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,345.80	11.11
23 09 23 53-0565	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,014.92	11.11
23 09 23 53-0566	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,566.41	11.11
23 09 23 53-0567	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,624.51	22.23
23 09 23 53-0568	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	6,007.51	22.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0569	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,856.60	22.23
23 09 23 53-0570	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,821.77	22.23
23 09 23 53-0571	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,195.78	22.23
23 09 23 53-0572	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,947.97	22.23
23 09 23 53-0573	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,697.20	22.23
23 09 23 53-0574	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,955.44	22.23
23 09 23 53-0575	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,891.38	22.23
23 09 23 53-0576	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,122.76	22.23
23 09 23 53-0577	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,885.54	22.23
23 09 23 53-0578	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,121.18	22.23
23 09 23 53-0579	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,048.79	22.23
23 09 23 53-0580	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,167.51	22.23
23 09 23 53-0581	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,400.65	
23 09 23 53-0582	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	513.77	11.11
23 09 23 53-0583	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	362.53	11.11
23 09 23 53-0584	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	838.12	8.89
23 09 23 53-0585	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	270.09	11.11
23 09 23 53-0586	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	236.21	14.22
23 09 23 53-0587	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	108.75	11.11
23 09 23 53-0588	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	70.07	11.11
23 09 23 53-0589	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	248.05	22.23
23 09 23 53-0590	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	148.95	16.67
23 09 23 53-0591	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,294.79	143.24
23 09 23 53-0592	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	22.58	4.45
23 09 23 53-0593	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.92	
23 09 23 53-0594	EA	16 Digital Input Module (Siemens TXM1.16D)	672.35	4.45
23 09 23 53-0595	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,029.18	4.45
23 09 23 53-0596	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,665.98	8.89
23 09 23 53-0597	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	504.83	2.67
23 09 23 53-0598	EA	15/55, Low Temperature, Manual Thermostat (Siemens 134-1504)	474.33	34.49
23 09 23 53-0599	EA	1/2", Two Way, 0.63CV Stainless Steel Ball Valve+GDE131.1P (Siemens 171A-10301S)	206.20	2.96
23 09 23 53-0600	EA	3/4" Two Way, 25CV Stainless Steel Ball Valve+GDE131.1P (Siemens 171A-10311S)	257.86	3.56
23 09 23 53-0601	EA	2" Two Way, 40CV Stainless Steel Ball Valve+GLB161.1Q+ADPTR (Siemens 173D-10327S)	701.51	6.66
23 09 23 53-0602	EA	1/2" PICV 1 GPM + 0-10V NSR Valve/Actuator Assembly (Siemens 231-04300-1)	512.20	2.96
23 09 23 53-0603	EA	18" Rigid Duct Point Temperature Sensor, 4-20 mA, 30-250F (Siemens 533-377-18)	173.61	10.56
23 09 23 53-0604	EA	48" Rigid Duct Average Temperature Sensor, 4-20mA, 20-120F (Siemens 535-490-48)	229.97	10.56
23 09 23 53-0605	EA	Terminal Box Controller, ELEC OUT (Siemens 540-100N)	850.16	16.54
23 09 23 53-0606	EA	VAV VAV WITH 0-10VDC Reheat Control (Siemens 540-865EN)	1,779.57	1.47
23 09 23 53-0607	EA	DIN Rail, 3PH Fuse Module, MD (Siemens 567-090-01)	193.04	1.78
23 09 23 53-0608	EA	Small Control Cabinet, #0 Blank Door (Siemens 567-551)	248.37	7.11
23 09 23 53-0609	EA	Small Control Cabinet, #0 Window/Door (Siemens 567-556)	313.85	7.11
23 09 23 53-0610	EA	Air Differential Pressure Sensor, 1%, 0-5", Conduit, 0-10V (Siemens 590-506)	342.22	8.89
23 09 23 53-0611	EA	Air Differential Pressure Sensor, 1%, 0-1", Conduit, 0-10V (Siemens 590-508)	342.22	8.89
23 09 23 53-0612	EA	Pressure/Temperature Port Set For PICV (Siemens 599-10079)	54.20	2.96
23 09 23 53-0613	EA	DXR2.E18 Room Automation Station (Siemens DXR2.E18-101B)	869.96	2.96
23 09 23 53-0614	EA	DXR2.M12P Room AS 60 DP (Siemens DXR2.M12PX-102B)	931.60	2.96
23 09 23 53-0615	EA	Spring Return Rotary Damper Actuator,160 Lb.-IN,24VAC/DC,0-10VDC,AUX,ADJ (Siemens GCA164.1U)	679.96	15.08
23 09 23 53-0616	EA	Non-Spring Return Actuator, 24/108L 5NM, No Plenum (Siemens GDE131.1U)	193.14	15.08
23 09 23 53-0617	EA	Power Meter BMED Display W-QTY3 SCT-HMC-100A (Siemens MD-BMED-3-CTSC-100)	1,729.25	8.89
23 09 23 53-0618	EA	Power Meter BMED Display W-QTY3 SCT-SCM-400A (Siemens MD-BMED-3-CTSC-400)	1,744.98	8.89
23 09 23 53-0619	EA	Power Meter BMED Display W-QTY3 SCT-SCL-600A (Siemens MD-BMED-3-CTSC-600)	1,807.97	8.89
23 09 23 53-0620	EA	1UI, 3 Digital Inputs, 2 Digital Outputs, Point Pickup Module With Removable Terminal Blocks (Siemens PPM-1U32.PPR)	490.16	8.89
23 09 23 53-0621	EA	PXC MOD, BACNET, TX-I/O, 96 Node, AS Modular For APOGEE (Siemens PXC100-E96.A)	8,234.13	2.96
23 09 23 53-0622	EA	PXC MOD, P2, TX-I/O, 96 NODE, AS Modular For APOGEE (Siemens PXC100-PE96.A)	9,680.66	2.96
23 09 23 53-0623	EA	APOGEE 24PT, BACNET Ethernet, RS485 (Siemens PXC24.2-EF.A)	4,027.24	2.96
23 09 23 53-0624	EA	APOGEE 24PT, P2 Ethernet, RS485 (Siemens PXC24.2-PEF.A)	4,708.21	2.96
23 09 23 53-0625	EA	APOGEE 36PT, BACNET IP/MSTP,TXIO,RS485 (Siemens PXC36-EF.A)	11,211.45	2.96
23 09 23 53-0626	EA	APOGEE 36PT, P2 RS485/IP ALN,TXIO,RS485 (Siemens PXC36-PEF.A)	13,245.57	2.96
23 09 23 53-0627	EA	8" Duct Point Temperature Sensor, 10K OHM TYPE 2 (Siemens QAM2030.020)	89.76	10.56
23 09 23 53-0628	EA	Air Differential Pressure Sensor, 1%, 0-1", 4-20MA (Siemens QBM3100U1)	267.52	8.89
23 09 23 53-0629	EA	Air Differential Pressure Sensor, 1%, 0-5", 4-20MA (Siemens QBM3100U5)	267.52	8.89
23 09 23 53-0630	EA	Q-Series Duct Relative Humidity Sensor, 4-20mA, 2% (Siemens QFM3101)	403.14	8.30
23 09 23 53-0631	EA	QMX3 Room Temperature Sensor, Relative Humidity And CO2 With Display (Siemens QMX3.P74)	807.20	8.89
23 09 23 53-0632	EA	Duct, CO2 /Temperature/Relative Humidity Sensor, 0-10V (Siemens QPM2162)	1,039.03	8.30
23 09 23 53-0633	EA	BACNET RTU Thermostat (Siemens RDY2000BN)	760.03	8.89
23 09 23 53-0634	EA	QMX3.P40 Temperature And Humidity Sensor, Wall Mount (Siemens S55624-H116)	349.09	8.89
23 09 23 53-0635	EA	QMX2.P33 ROOM UNIT AND TEMP.SENSOR (S55624-H118)	289.43	8.89
23 09 23 53-0636	EA	BUS INTERFACE Module For P1 (Siemens TXB1.P1)	884.25	23.71
23 09 23 53-0637	EA	8 Digital Input Module (Siemens TXM1.8D)	463.15	4.45
23 09 23 53-0638		Trane Controls *(23 09 23 53)*		
23 09 23 53-0639		Software *(23 09 23 53-0638)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0640	EA	Summit + Building Management Package (Trane 40201152)	7,708.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0641	EA	Summit Current Version Software (Trane 40201111)	4,234.53	
23 09 23 53-0642	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,088.90	
23 09 23 53-0643	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,207.32	
23 09 23 53-0644	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,108.77	
23 09 23 53-0645		EMCS Central Equipment And Controllers *(23 09 23 53-0638)*		
23 09 23 53-0646	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	4,100.52	177.83
23 09 23 53-0647	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	12,937.86	177.83
23 09 23 53-0648	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	12,937.86	177.83
23 09 23 53-0649	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	11,018.96	177.83
23 09 23 53-0650	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	13,250.04	177.83
23 09 23 53-0651	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	155.54	11.11
23 09 23 53-0652	EA	Summit Comm5 Repeater (Trane 49500457)	1,174.54	88.92
23 09 23 53-0653	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	2,315.27	111.15
23 09 23 53-0654	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	3,044.65	133.38
23 09 23 53-0655	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,157.95	133.38
23 09 23 53-0656	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	1,657.69	133.38
23 09 23 53-0657	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,654.90	133.38
23 09 23 53-0658	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	872.46	44.46
23 09 23 53-0659	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	762.24	44.46
23 09 23 53-0660	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,304.13	88.92
23 09 23 53-0661	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,212.73	88.92
23 09 23 53-0662	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	721.86	44.46
23 09 23 53-0663	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	589.14	44.46
23 09 23 53-0664	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,048.45	44.46
23 09 23 53-0665	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	916.45	44.46
23 09 23 53-0666	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	733.68	44.46
23 09 23 53-0667	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	682.99	44.46
23 09 23 53-0668	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	838.63	44.46
23 09 23 53-0669	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	733.68	44.46
23 09 23 53-0670	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	804.70	88.92
23 09 23 53-0671	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	935.23	88.92
23 09 23 53-0672		Network, VAV And Special Sensors *(23 09 23 53-0638)*		
23 09 23 53-0673	EA	Digital Display Zone Sensor (Trane X13790464010)	185.96	14.22
23 09 23 53-0674	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	100.46	14.22
23 09 23 53-0675	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	86.04	14.22
23 09 23 53-0676	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	236.75	16.00
23 09 23 53-0677	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	120.17	14.22
23 09 23 53-0678	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	120.17	14.22
23 09 23 53-0679	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	538.87	25.60
23 09 23 53-0680	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	539.26	14.22
23 09 23 53-0681	EA	Transformer 120/24 40 VA (Trane X13550284010)	78.83	14.22
23 09 23 53-0682	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	73.68	14.22
23 09 23 53-0683	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	65.44	14.22
23 09 23 53-0684	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	990.93	88.92
23 09 23 53-0685	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	920.51	88.92
23 09 23 53-0686	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	773.56	88.92
23 09 23 53-0687	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,579.86	133.38
23 09 23 53-0688	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	773.56	88.92
23 09 23 53-0689	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	848.10	88.92
23 09 23 53-0690	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	853.90	88.92
23 09 23 53-0691	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	213.16	88.54
23 09 23 53-0692	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	461.23	88.54
23 09 23 53-0693	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,891.97	133.38
23 09 23 53-0694	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,778.66	133.38
23 09 23 53-0695	EA	Controller UC600 TD7 Mounting Bracket (Trane X0501051101O)	104.58	17.72
23 09 23 53-0696	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	504.43	17.72
23 09 23 53-0697	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,962.01	133.38
23 09 23 53-0698	EA	BACnet Term (2 Pack) (Trane X1365152401)	152.15	31.87
23 09 23 53-0699	EA	Tracer ES Add License (Trane X40250125010)	2,209.01	
23 09 23 53-0700	EA	Kit - Tracer TU For Controls (Trane X4509151201)	4,114.61	177.83
23 09 23 53-0701	EA	Kit - Tracer TU Complete (Trane X4509151301)	5,840.97	177.83
23 09 23 53-0702	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	588.90	31.87
23 09 23 53-0703	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	285.03	31.87
23 09 23 53-0704	EA	Sensor Wireless Display Sensor (Trane X13790822010)	338.59	31.87
23 09 23 53-0705	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	290.18	31.87
23 09 23 53-0706	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	438.36	31.87
23 09 23 53-0707	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	488.82	31.87
23 09 23 53-0708		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*		
23 09 23 53-0709		Current Switches And Current Sensors *(23 09 23 53-0708)*		
23 09 23 53-0710	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	89.13	14.22
23 09 23 53-0711	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	95.31	14.22
23 09 23 53-0712	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	185.96	14.22
23 09 23 53-0713	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	80.89	14.22
23 09 23 53-0714	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	396.09	14.22
23 09 23 53-0715	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	226.89	14.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0716	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	156.27	14.22
23 09 23 53-0717	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	156.27	14.22
23 09 23 53-0718	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,743.01	71.13
23 09 23 53-0719	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,479.08	14.22
23 09 23 53-0720	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,285.20	14.22
23 09 23 53-0721	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	172.86	14.22
23 09 23 53-0722	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	174.76	37.78
23 09 23 53-0723	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	175.25	37.78
23 09 23 53-0724	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	199.98	37.78
23 09 23 53-0725	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	206.16	37.78
23 09 23 53-0726	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	241.18	37.78
23 09 23 53-0727	EA	Toggle Switch	60.13	17.78
23 09 23 53-0728	EA	Maintained Pushbutton Switch	70.22	17.78
23 09 23 53-0729	EA	Manual Time Switch	165.36	17.78
23 09 23 53-0730	EA	Emergency Stop Switch	335.50	17.78
23 09 23 53-0731	EA	Float Switch	232.21	17.78
23 09 23 53-0732	EA	Break Glass Switch	1,073.78	17.78
23 09 23 53-0733	EA	Boiler E-Stop Switch	468.87	17.78
23 09 23 53-0734		**Relays** *(23 09 23 53-0708)*		
23 09 23 53-0735	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	61.32	14.22
23 09 23 53-0736	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	73.99	14.22
23 09 23 53-0737	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	116.28	17.78
23 09 23 53-0738	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	187.65	14.22
23 09 23 53-0739	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	52.13	14.22
23 09 23 53-0740	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	50.28	14.22
23 09 23 53-0741	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	61.32	14.22
23 09 23 53-0742	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	67.11	14.22
23 09 23 53-0743	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	68.70	14.22
23 09 23 53-0744	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	62.90	17.78
23 09 23 53-0745	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	114.61	17.78
23 09 23 53-0746	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	274.08	17.78
23 09 23 53-0747	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	271.79	17.78
23 09 23 53-0748		**Transformers** *(23 09 23 53-0708)*		
23 09 23 53-0749	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	87.77	14.22
23 09 23 53-0750	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	102.15	14.22
23 09 23 53-0751	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	102.15	14.22
23 09 23 53-0752	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	115.17	14.22
23 09 23 53-0753	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	123.19	14.22
23 09 23 53-0754		**Power Supplies** *(23 09 23 53-0708)*		
23 09 23 53-0755	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	168.67	14.22
23 09 23 53-0756	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	208.58	14.22
23 09 23 53-0757	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	190.59	14.22
23 09 23 53-0758	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	199.10	14.22
23 09 23 53-0759	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	191.52	14.22
23 09 23 53-0760	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	204.21	14.22
23 09 23 53-0761	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	134.37	14.22

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	1.84	0.62
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.54	0.64
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.56	0.66
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.72	0.68

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.55	0.62
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.70	0.64
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.05	0.66
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.74	0.68

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.02	0.60
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.91	0.62
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	4.78	0.66
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	6.36	0.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0017		**Flexible Vinyl Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.92	0.62
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.59	0.66
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.48	0.68
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.64	0.70
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.47	0.71
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	9.21	0.73
23 09 43 00-0024		**Braided Vinyl Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.81	0.70
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	3.39	0.71
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	4.46	0.73
23 09 43 00-0028		**Copper Pneumatic Tubing** *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	4.06	1.34
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	5.10	1.54
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	5.95	1.78
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	7.59	2.05
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	8.60	2.35
23 09 43 00-0034		**Brass Couplings** *(23 09 43 00-0001)*		
		See CSI section 22 11 16 00-0390 for copper tubing.		
23 09 43 00-0035		**Straight Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	7.64	3.39
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	7.78	3.39
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	7.92	3.39
23 09 43 00-0039		**Elbow Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	8.42	3.39
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	8.89	3.39
23 09 43 00-0042		**Tee Brass Couplings** *(23 09 43 00-0034)*		
		Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	12.72	5.27
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	15.17	5.65
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	14.67	5.65

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** *(23 11 23)*		
23 11 23 00-0002		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)*		
		Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.22	1.32
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.78	1.43
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.06	1.55
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.19	1.64
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	11.00	1.72
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	17.45	1.79
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.08	1.91
23 11 23 00-0010		**Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)*		
23 11 23 00-0011		**Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.46	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.46	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.25	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.25	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.45	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.78	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.78	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.99	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	159.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	262.81	
23 11 23 00-0022		**Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.50	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.25	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.25	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.45	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.45	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.41	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.41	
23 11 23 00-0030		**Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.03	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.28	
23 11 23 00-0033		**Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.91	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.98	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.16	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.40	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.07	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	289.89	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	486.17	
23 11 23 00-0041		**Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.77	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.80	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	134.52	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	237.92	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	256.17	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	295.26	
23 11 23 00-0048		**Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.73	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.58	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.52	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.34	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.15	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.48	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.17	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.13	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.48	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.48	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.38	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.59	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.37	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	91.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.03	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	144.54	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	183.80	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.01	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.15	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.85	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	119.86	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.86	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	176.68	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	227.34	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.69	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.39	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.84	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.88	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	182.13	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	294.78	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.15	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.79	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.19	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.30	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.34	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.57	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.68	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.83	13.89
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.38	14.59
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.96	12.15
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.38	14.44
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.01	17.36
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.64	23.19
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.80	14.44
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.70	17.36
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.78	14.44
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.57	17.36
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	137.53	43.40
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.64	14.44
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.64	14.44
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.42	14.44
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.21	17.36
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	113.21	17.36
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	124.78	23.19
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	196.86	26.04

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23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	101.09	14.44
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	275.24	17.36
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	688.64	26.04
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	33.51	10.42
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	37.26	11.11
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	40.83	11.11
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	43.00	11.81
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	45.81	11.81
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	52.48	12.50
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	58.49	12.50
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	64.43	13.19
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	33.51	10.42
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	37.26	11.11
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	40.83	11.11
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	43.00	11.81
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	45.81	11.81
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	52.48	12.50
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	58.49	12.50
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	64.43	13.19
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	33.51	10.42
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	37.26	11.11
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	40.83	11.11
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	43.00	11.81
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	45.81	11.81
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	52.48	12.50
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	58.49	12.50
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	64.43	13.19
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	33.51	10.42
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	37.26	11.11
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	50.47	11.11
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	43.00	11.81
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	45.81	11.81

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23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	52.48	12.50
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	58.49	12.50
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	64.43	13.19
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	37.23	10.42
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	41.87	11.11
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	40.83	11.11
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	48.88	11.81
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	45.81	11.81
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	52.48	12.50
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	58.49	12.50
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	64.43	13.19
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	33.51	10.42
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	46.29	11.11
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	43.00	11.81
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	45.81	11.81
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	52.48	12.50
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	68.31	12.50
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	64.43	13.19
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	33.51	10.42
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	37.26	11.11
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	40.83	11.11
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	43.00	11.81
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	45.81	11.81
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	52.48	12.50
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	58.49	12.50
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	64.43	13.19
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	33.51	10.42
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	37.26	11.11
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	40.83	11.11
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	43.00	11.81
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	45.81	11.81
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	52.48	12.50
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	58.49	12.50
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	64.43	13.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	41.87	11.11
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	40.83	11.11
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	48.88	11.81
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	52.32	11.81
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	60.74	12.50
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	33.51	10.42
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	37.26	11.11
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	36.98	11.11
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	43.00	11.81
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	41.20	11.81
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	53.88	12.50
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	58.49	12.50
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	64.43	13.19
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	33.51	10.42
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	34.12	11.11
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	34.85	11.11
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	43.00	11.81
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	45.81	11.81
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	46.46	12.50
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	58.49	12.50
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	64.43	13.19
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	33.51	10.42
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	37.26	11.11
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	40.83	11.11
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	43.00	11.81
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	38.00	11.81
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	52.48	12.50
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	58.49	12.50
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	64.43	13.19
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	46.74	10.42
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	50.46	11.11
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	54.03	11.11

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23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	56.18	11.81
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	59.12	11.81
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	65.37	12.50
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	71.92	12.50
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	77.88	13.19
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	53.69	13.89
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	57.40	14.59
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	60.98	14.59
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	63.12	15.28
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	66.07	15.28
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	72.31	15.97
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	78.87	15.97
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	84.83	16.67
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	53.69	13.89
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	57.40	14.59
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	60.98	14.59
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	63.12	15.28
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	66.07	15.28
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	72.31	15.97
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	78.87	15.97
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	84.83	16.67
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	64.44	13.89
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	68.15	14.59
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	71.73	14.59
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	73.87	15.28
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	76.84	15.28
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	83.07	15.97
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	89.63	15.97
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	64.44	13.89
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	68.15	14.59
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	71.73	14.59
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	76.84	15.28
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	83.07	15.97
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	89.63	15.97

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23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	64.44	13.89
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	68.15	14.59
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	71.73	14.59
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	73.87	15.28
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	76.84	15.28
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	83.07	15.97
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	89.63	15.97
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	95.58	16.67
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	50.85	13.89
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	54.58	14.59
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	58.18	14.59
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	60.29	15.28
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	63.25	15.28
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	69.47	15.97
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	81.97	16.67
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	62.23	14.59
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	66.67	14.59
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	29.39	7.39
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	29.02	7.54
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	42.54	8.29
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	29.07	7.39
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	30.57	7.54
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	35.12	7.54
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	37.42	7.91
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	39.74	7.91
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	39.74	7.91
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	30.80	7.39
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	32.30	7.54
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	40.96	7.91
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	32.52	7.54
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	43.84	8.29
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	30.71	7.39
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	28.84	7.39
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	29.01	7.54
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	40.04	8.29
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	55.70	9.42
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	82.10	9.79
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	98.22	11.30
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	122.29	13.56
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	30.01	7.54
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	39.73	8.29
23 11 23 00-0308		Gas Stops *(23 11 23)*		
23 11 23 00-0309		Brass/Bronze Gas Stops *(23 11 23 00-0308)*		

Note: Flat or square head

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	42.83	7.54
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	41.96	7.54
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	54.44	8.29
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	81.42	9.42
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.23	10.02
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	142.94	11.60
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	207.30	13.72

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	63.00	7.54
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	75.14	8.29
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	93.90	9.42
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	122.35	10.02
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	158.17	11.60
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	210.76	13.72
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	439.73	18.54
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	603.41	21.53

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	192.03	7.54
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	224.84	7.54
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	284.95	8.29
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	434.65	9.42
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	787.18	11.60
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,362.74	13.72
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,682.54	18.54
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,560.09	21.53

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	19.01	5.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-5.60*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	22.77	5.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.72*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	29.06	8.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.89*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	34.65	10.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.15*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	40.72	11.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-12.76*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	56.75	12.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-14.12*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	77.78	14.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.82*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	191.64	18.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.17*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	132.09	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	154.68	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	187.79	69.45
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.08*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	230.99	74.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-81.98*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	284.67	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	429.45	104.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.19*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	563.76	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,398.91	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	132.53	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	154.81	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	188.14	69.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	243.27	82.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.15*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	284.52	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	429.45	104.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.19*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,051.14	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,398.91	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	291.40	74.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.01*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	363.16	90.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-101.18*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	411.31	104.24
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.20*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	533.64	123.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-136.78*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	635.60	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	802.38	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,361.31	188.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.70*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	1,848.62	228.88
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.36*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	412.82	74.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-84.01*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	536.78	89.86
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-101.05*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	632.06	104.24
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.20*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	721.60	123.83
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-136.78*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	790.80	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,047.83	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,670.89	188.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.70*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,186.09	228.88
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-257.36*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	226.69	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	299.18	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	323.64	69.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.14*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	375.15	82.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.15*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	412.72	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	557.30	104.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.19*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	722.05	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,006.76	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	172.42	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	195.54	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	220.11	69.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.14*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	273.73	82.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.15*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	313.48	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	283.87	104.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.19*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	371.57	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	632.09	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	35.94	5.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-6.72*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	71.84	11.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.40*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	131.68	9.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.31*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	149.43	11.69
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.13*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	142.42	8.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.38*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	168.66	12.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-14.06*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	211.54	14.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.47*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	254.38	15.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.89*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	123.39	17.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.69*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	167.00	25.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.11*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	220.66	17.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.01*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	331.28	26.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-29.97*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	260.47	18.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.64*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	336.79	27.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.95*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	99.46	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	119.79	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	138.16	69.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-78.14*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	168.51	82.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.15*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	184.96	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	244.19	104.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-117.19*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	322.10	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	391.24	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	102.56	49.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-56.01*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	123.89	59.80
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-67.21*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	139.96	62.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-70.19*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	171.55	74.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-82.04*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	202.95	83.38
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-93.75*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	255.51	99.75
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-112.19*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	350.08	125.50
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.14*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	503.17	155.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-175.01*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	109.79	21.46
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	130.99	25.42
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	163.01	37.50
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	232.38	48.61
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	335.77	53.75
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	467.91	63.76
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	598.96	80.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0108		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings** *(23 11 26 00-0099)*		
23 11 26 00-0109		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,044.92	265.57
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,344.28	318.76
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,955.74	370.43
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,246.39	444.58
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	8,669.41	555.83
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	11,775.39	668.71
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	15,792.03	828.08
23 11 26 00-0117		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,048.50	265.57
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,337.99	318.76
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,950.81	370.43
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,217.37	444.58
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	8,627.38	555.83
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	11,718.08	669.01
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	15,716.84	829.96
23 11 26 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 26 00-0108)*		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,824.64	398.36
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,554.00	480.09
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,000.26	555.93
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	6,558.93	669.33
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,309.97	829.96
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	14,901.60	1,002.84
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	20,515.98	1,215.90
23 11 26 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 26 00-0108)*		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,332.33	398.36
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,711.03	479.54
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,741.38	555.93
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,486.03	669.33
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	11,357.60	829.96
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	18,745.63	1,002.84
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	24,706.20	1,215.90
23 11 26 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,285.51	265.57
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,080.04	318.76
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,280.39	370.43
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,239.05	444.58
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,813.05	555.83
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	7,631.38	668.71
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	10,844.75	828.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,611.71	265.57
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,793.24	318.76
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,994.83	370.43
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,006.85	444.58
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,417.98	555.83
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,279.58	668.71
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	6,192.66	828.08
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	382.84	31.88
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	765.42	63.61
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,537.60	48.89
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,731.39	62.32
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,679.82	44.44
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,961.32	66.69
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,998.98	80.13
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,346.15	93.37
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,808.06	133.32
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,550.86	94.87
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,830.24	142.13
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,039.23	97.87
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,889.46	146.82
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,074.87	332.88
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,634.42	444.58
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,113.13	532.14
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,012.80	668.71
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	4,591.93	828.08

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,386.78	201.65
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,436.06	244.07
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,558.36	289.97
23 12 13 00-0006		25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,441.06	201.65
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,509.60	244.07
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,578.02	289.97
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,020.01	112.99
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,204.73	126.55
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,314.15	141.86
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,429.14	159.93
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,051.15	178.01
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,524.80	199.21
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	2,795.85	223.21
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,428.60	249.64
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,054.10	279.88
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,538.59	313.95
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,088.71	351.92

23 12 16 Facility Gasoline Dispensing Pumps *(23 12)*

23 12 16 00-0001 Unloading Hose And Accessories *(23 12 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 16 00-0002		Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings *(23 12 16 00-0001)*		
23 12 16 00-0003		Two Braid Hose x 25' *(23 12 16 00-0002)*		
23 12 16 00-0004	EA	3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	243.63	28.17
23 12 16 00-0005	EA	1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	296.70	28.17
23 12 16 00-0006	EA	1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	444.68	28.17
23 12 16 00-0007		Two Braid Hose x 50' *(23 12 16 00-0002)*		
23 12 16 00-0008	EA	3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	484.89	57.05
23 12 16 00-0009	EA	1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	588.69	57.05
23 12 16 00-0010	EA	1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	887.88	57.05
23 12 16 00-0011		Three Braid Hose x 25' *(23 12 16 00-0002)*		
23 12 16 00-0012	EA	1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	720.46	28.17
23 12 16 00-0013	EA	2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	886.88	38.03
23 12 16 00-0014	EA	2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,264.04	47.19
23 12 16 00-0015	EA	3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,593.40	57.05
23 12 16 00-0016		Three Braid Hose x 50' *(23 12 16 00-0002)*		
23 12 16 00-0017	EA	1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,270.53	57.05
23 12 16 00-0018	EA	2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,539.94	75.37
23 12 16 00-0019	EA	2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,090.71	95.08
23 12 16 00-0020	EA	3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,559.00	113.40
23 12 16 00-0021		Tank Car Unloading Hose Assemblies *(23 12 16 00-0001)*		
23 12 16 00-0022		Flexible Galvanized Hose Assemblies *(23 12 16 00-0021)*		
		Note: Each end includes a female coupling.		
23 12 16 00-0023	EA	2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	700.80	66.21
23 12 16 00-0024	EA	2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	865.96	66.21
23 12 16 00-0025	EA	3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,035.14	66.21
23 12 16 00-0026	EA	4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,695.74	66.21
23 12 16 00-0027		Standard Gas Station Pumps *(23 12 16)*		
23 12 16 00-0028		Gasoline Pumps *(23 12 16 00-0027)*		
		Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0029	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle	5,192.38	563.46
23 12 16 00-0030		Gasoline Pumps With Vapor Recovery System *(23 12 16 00-0027)*		
		Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0031	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery	10,592.56	845.18
23 12 23		**Facility Natural-Gas Pumps** *(23 12)*		
23 12 23 00-0001		Natural Gas Booster Pump *(23 12 23)*		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,146.36	104.31
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,370.57	116.47
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,550.07	121.69
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,775.71	126.91
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,028.65	130.38
23 13		**Facility Fuel-Storage Tanks** *(23 10)*		
23 13 13		**Facility Underground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 13 13		**Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks *(23 13 13 13)*		
		Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,268.13	462.70
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,699.51	462.70
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,125.99	578.34
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	36,759.06	1,129.64
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	58,930.62	1,452.31
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	65,592.66	1,668.02
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	70,338.63	2,205.47
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,635.00	2,367.95
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	88,756.11	2,797.44
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	102,807.28	3,226.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	132,183.25	3,548.31
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	156,582.68	4,308.22
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	161,598.09	4,572.14
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	196,381.61	7,252.36
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	240,776.14	9,404.53
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	284,059.78	10,760.50
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	367,968.99	11,567.54
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	502,905.42	11,864.17

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,344.12	462.70
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,461.16	578.34
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,102.87	715.57
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,990.81	871.60
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,882.14	1,022.25
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,679.97	1,345.07
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,173.97	2,044.49
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,434.09	2,582.52
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	16,372.44	2,905.33
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,183.48	3,443.36
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	23,912.27	4,088.99
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	29,213.65	5,111.24
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	36,482.30	6,832.92
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	56,590.72	8,500.80
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	69,810.08	10,222.47
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	99,086.20	14,795.69
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	143,963.04	18,830.88

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,870.46	462.70
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,730.64	578.34
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,057.89	699.43
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,135.08	1,022.32
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,125.68	1,345.07
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	22,557.82	2,044.49
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,743.24	2,582.52
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	30,765.89	2,905.33
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,576.94	3,443.36
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	39,590.85	4,088.99
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	54,980.51	5,111.24
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	67,582.45	6,832.92
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	105,022.64	10,222.47

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.87
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.87
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.97
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.95
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.43

23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks *(23 13 13 23)*

Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).

23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day	1,300.00	
		Note: Includes inspection report and repair estimate.		
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair	113.76	
		Note: 50 SF minimum.		
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway	10,038.57	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway	14,927.18	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement	138.36	
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair	295.16	
		Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation	4,433.57	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*142.00*	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation	4,467.39	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*153.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,538.11	
		For Additional Flange Installation During The Same Day, Add	*176.00*	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,722.59	
		For Additional Flange Installation During The Same Day, Add	*236.00*	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,790.23	
		For Additional Flange Installation During The Same Day, Add	*318.00*	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,146.88	
		For Additional Flange Installation During The Same Day, Add	*374.00*	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,756.41	
		For Additional Flange Installation During The Same Day, Add	*247.00*	
		For Blade Gusseted Outlet, Add	*713.46*	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,805.60	
		For Additional Flange Installation During The Same Day, Add	*263.00*	
		For Blade Gusseted Outlet, Add	*720.84*	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	4,953.18	
		For Additional Flange Installation During The Same Day, Add	*135.00*	
		For Blade Gusseted Outlet, Add	*742.98*	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,260.64	
		For Additional Flange Installation During The Same Day, Add	*175.00*	
		For Blade Gusseted Outlet, Add	*789.10*	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,451.27	
		For Additional Flange Installation During The Same Day, Add	*215.00*	
		For Blade Gusseted Outlet, Add	*817.69*	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	5,946.28	
		For Additional Flange Installation During The Same Day, Add	*260.00*	
		For Blade Gusseted Outlet, Add	*891.94*	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation Note: Includes Labor, Material And Removal Of Old Flange	8,870.22	
		For Blade Gusseted Outlet, Add	*1,330.53*	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,104.04	90.50
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,187.42	95.03
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,290.09	101.82
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,489.28	108.60
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,667.48	113.13
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,963.73	135.75
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,663.33	158.38
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,387.07	181.01
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,369.35	203.64
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,870.73	226.26
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,563.23	271.51
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,221.27	316.76
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,899.96	362.02
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,671.96	384.65
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,449.13	407.27
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,334.89	429.90
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,106.89	452.52
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,223.00	543.03
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,103.38	588.28
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,255.68	678.78
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,413.14	769.29
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,355.69	90.50
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,440.80	95.03
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,543.47	101.82
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,740.94	108.60
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,919.13	113.13
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,217.11	135.75
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,940.85	158.38
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,664.58	181.01
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,646.87	203.64
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,148.25	226.26
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,840.74	271.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,498.78	316.76
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,177.48	362.02
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,949.47	384.65
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,726.64	407.27
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,614.13	429.90
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,386.12	452.52
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,500.51	543.03
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,380.89	588.28
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,533.19	678.78
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,690.66	769.29
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,308.89	90.50
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,383.65	95.03
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,448.40	101.82
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,714.82	108.60
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,813.72	113.13
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,099.63	135.75
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,735.46	158.38
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,731.54	181.01
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,320.83	203.64
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,990.86	226.26
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,886.75	271.51
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,410.34	316.76
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,137.30	362.02
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,873.10	384.65
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,850.22	407.27
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,244.73	429.90
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,596.15	452.52
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,241.43	543.03
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,875.05	588.28
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,623.75	678.78
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,401.74	769.29
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,446.52	90.50
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,521.28	95.03
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,586.03	101.82
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,852.45	108.60
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,951.35	113.13
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,237.26	135.75
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,873.09	158.38
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,869.17	181.01
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,534.30	203.64
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,732.04	226.26
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,627.93	271.51
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,153.24	316.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,878.48	362.02
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,616.01	384.65
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,591.40	407.27
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,985.91	429.90
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,337.33	452.52
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,982.61	543.03
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,617.96	588.28
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,364.93	678.78
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,142.92	769.29
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,082.55	90.50
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,165.94	95.03
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,232.41	101.82
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,507.45	108.60
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,654.61	113.13
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,912.95	135.75
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,574.63	158.38
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,618.97	181.01
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,230.66	203.64
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,966.20	226.26
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,910.35	271.51
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,380.50	316.76
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,210.89	362.02
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,105.27	384.65
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,004.82	407.27
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,449.31	429.90
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,774.88	452.52
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,497.72	543.03
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,212.36	588.28
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,042.07	678.78
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,897.63	769.29
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,220.18	90.50
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,303.56	95.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,370.04	101.82
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,645.08	108.60
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,792.24	113.13
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,047.13	135.75
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,712.26	158.38
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,756.60	181.01
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,368.29	203.64
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,707.38	226.26
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,651.53	271.51
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,294.06	316.76
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,952.07	362.02
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,846.45	384.65
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,746.00	407.27
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,190.50	429.90
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,517.78	452.52
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,238.91	543.03
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,953.55	588.28
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,783.25	678.78
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,638.81	769.29
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,092.80	90.50
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,186.80	95.03
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,289.13	101.82
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,480.18	108.60
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	1,995.11	113.13
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,032.81	135.75
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,566.53	158.38
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,188.98	181.01
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,218.70	203.64
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,325.79	226.26
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,393.22	271.51
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,848.62	316.76
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,306.27	362.02
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,033.38	384.65
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,762.77	407.27
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,394.34	429.90
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,032.70	452.52
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,325.73	543.03
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,584.28	588.28
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	13,954.66	678.78
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,274.98	769.29
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,152.67	95.03
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,255.25	101.82
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,362.63	108.60
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,559.91	113.13
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,133.18	135.75
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,170.89	158.38
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,732.16	181.01
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,387.10	203.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,471.93	226.26
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,638.42	248.89
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,760.98	294.14
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,237.47	339.39
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,716.36	384.65
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,481.78	407.27
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,249.59	429.90
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,914.15	452.52
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,623.60	497.77
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,980.08	588.28
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,379.78	678.78
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,817.91	769.29
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,203.20	859.79
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,272.54	90.50
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,389.29	95.03
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,505.28	101.82
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,741.84	108.60
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,354.61	113.13
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,392.31	135.75
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,007.93	158.38
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,737.32	181.01
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	4,952.99	203.64
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,317.80	226.26
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,587.73	271.51
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,113.66	316.76
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,644.12	362.02
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,514.57	384.65
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,387.30	407.27
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,125.79	429.90
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	11,882.48	452.52
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,414.42	543.03
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	14,914.15	588.28
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	16,523.43	678.78
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,082.65	769.29
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,342.40	95.03
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,469.00	101.82
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,590.78	108.60
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,836.10	113.13
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,512.64	135.75
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,550.35	158.38
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,198.08	181.01
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,965.90	203.64
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,247.01	226.26
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,685.55	248.89
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,021.85	294.14
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,572.80	339.39
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,128.54	384.65
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,045.26	407.27
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,964.38	429.90
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,741.80	452.52
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,576.15	497.77
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,184.80	588.28
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,839.08	678.78
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,529.39	769.29
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,166.85	859.79

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,967.45	491.90
		For 1/4" Thick Shell, Add	*745.12*	
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,967.84	595.44
		For 1/4" Thick Shell, Add	*895.18*	
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	7,974.40	774.51
		For 1/4" Thick Shell, Add	*1,196.16*	
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,345.26	968.14
		For 1/4" Thick Shell, Add	*1,551.79*	
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,235.66	1,322.03
		For 1/4" Thick Shell, Add	*1,835.35*	
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	19,153.07	1,360.92
		For 1/4" Thick Shell, Add	*2,872.96*	
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,174.36	1,682.58
		For 1/4" Thick Shell, Add	*4,226.15*	
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	39,115.56	1,927.92
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,836.91	2,103.18
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	54,511.32	2,313.51
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	60,333.81	2,570.54
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	75,257.81	3,304.98
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	103,537.20	3,855.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0015		**Double Wall Aboveground Storage Tanks** *(23 13 23 16)* Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,038.54	613.77
		For 1/4" Thick Shell, Add	*1,929.25*	
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,654.49	742.74
		For 1/4" Thick Shell, Add	*2,317.08*	
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,741.69	968.14
		For 1/4" Thick Shell, Add	*3,058.01*	
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	16,775.93	1,210.19
		For 1/4" Thick Shell, Add	*4,026.22*	
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,446.51	1,652.52
		For 1/4" Thick Shell, Add	*5,147.16*	
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	26,322.93	1,652.52
		For 1/4" Thick Shell, Add	*6,317.50*	
		For Fireguard® Tanks, Add	*4,082.91*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	31,267.18	1,701.09
		For 1/4" Thick Shell, Add	*7,504.12*	
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	38,720.07	1,898.37
		For 1/4" Thick Shell, Add	*9,292.82*	
		For Fireguard® Tanks, Add	*6,132.10*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	46,172.90	2,095.57
		For 1/4" Thick Shell, Add	*11,081.50*	
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	51,712.89	2,177.93
		For 1/4" Thick Shell, Add	*12,411.09*	
		For Fireguard® Tanks, Add	*8,274.48*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	64,360.13	2,409.92
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	77,186.37	2,629.01
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	89,913.22	2,891.85
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	99,511.19	3,213.23
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	124,067.56	4,131.25
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	147,582.51	4,475.51
		For Fireguard® Tanks, Add	*24,027.39*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	171,097.47	4,819.77
23 13 23 16-0033		**Accessories For Single Compartment Aboveground Storage Tanks** *(23 13 23 16)* Note: Steel vessel with precast concrete shell.		
23 13 23 16-0034	EA	2" x 15" Carbon Steel Riser	131.18	
23 13 23 16-0035	EA	2" x 1 1/2" High Impact Valve	367.32	
23 13 23 16-0036	EA	4" 8oz Emergency Vent	236.13	
23 13 23 16-0037	EA	Strike Plate, Per Opening	236.13	
23 13 23 16-0038	EA	1 Point High/Low Monitor Package With Sensor	2,886.07	
23 13 23 16-0039	EA	4 Point High/Low Monitor Package With Sensor	7,083.99	
23 13 23 16-0040	EA	Gasoline Dispensing Package, 4,000 - 12,000 Gallon Tank	6,821.62	
23 13 23 16-0041	EA	Diesel Dispensing Package, 250 - 300 Gallon Tank	4,853.84	
23 13 23 16-0042	EA	Diesel Dispensing Package, 4,000 - 12,000 Gallon Tank	3,410.81	
23 13 23 16-0043	EA	Interstitial Mechanical Leak Detection Gauge, 4,000 Gallons And Over Tanks	341.08	
23 13 23 16-0044	EA	Remote Dispenser, SS Twin Product	15,309.29	
23 13 23 16-0045		**Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks** *(23 13 23 16)* Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0046	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,064.00	742.74
23 13 23 16-0047	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,855.75	798.72
23 13 23 16-0048	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	18,866.02	968.14
23 13 23 16-0049	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	22,518.10	1,210.19
23 13 23 16-0050	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	28,700.79	1,652.52
23 13 23 19		**Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 19-0001		**Secondary Containment For Above Ground Tanks** *(23 13 23 19)*		
23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	5,972.88	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	7,212.56	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	15,889.78	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	17,354.90	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	24,728.14	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	27,706.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	36,609.13	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	42,936.16	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	48,812.21	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	59,421.49	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	76,116.14	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	32,629.88	1,000.65
		For Low Profile Tanks, Add	*12,493.45*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	41,253.84	1,129.64
		For Low Profile Tanks, Add	*15,871.04*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	73,991.69	1,345.07
		For Low Profile Tanks, Add	*28,845.94*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	116,222.37	2,958.49
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	132,995.08	3,231.16
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	149,822.47	3,489.41
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	166,637.61	3,786.48
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	183,448.34	4,030.52

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	808.89	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,992.26	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,158.77	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	123.08	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	380.46	
23 13 33 00-0008	EA	Manhole Spill Containment	1,074.01	176.08
23 13 33 00-0009	EA	Fill Adapter, 4"	266.36	117.41
23 13 33 00-0010	EA	Fill Cap, 4"	185.43	44.02
23 13 33 00-0011	EA	2" Vent Cap	108.15	29.37
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	428.49	44.02
23 13 33 00-0013	EA	Float Vent Valve	323.00	88.04
23 13 33 00-0014	EA	Vapor Hose Adapter	391.68	58.67
23 13 33 00-0015	EA	Dust Cap	161.42	32.05
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	428.94	50.29
23 13 33 00-0017	EA	10' Wood Gage Stick	38.68	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	154.62	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	214.68	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	73.68	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	104.17	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	172.47	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,008.54	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,860.17	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,212.13	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,404.67	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,630.78	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,845.95	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,780.54	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,288.17	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,538.71	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,765.60	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,691.91	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,056.22	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	39.78	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	44.54	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	49.00	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	60.31	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	61.81	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	83.75	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	138.13	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	249.99	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	47.50	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	52.23	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	57.01	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	72.74	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	77.50	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	97.98	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	157.09	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	276.92	
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	49.26	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	57.29	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	65.01	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	85.20	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	113.95	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	182.86	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	292.93	
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	59.05	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	70.32	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	87.81	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	108.28	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	109.78	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	161.04	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	296.56	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	538.73	
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	50.16	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	66.40	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	67.91	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	69.41	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	100.33	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	128.74	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	246.49	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	281.84	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	347.70	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	401.67	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	463.16	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	584.83	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	760.88	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	840.99	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	250.13	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	249.66	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	367.03	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	374.10	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	507.99	
23 13 33 00-0094		Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining In Steel Box *(23 13 33)* Note: Sodium Hypochlorite storage box.		
23 13 33 00-0095	DAY	Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day Note: Includes Inspection Report And Repair Estimate	1,300.00	
23 13 33 00-0096	SF	Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior FRP Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum.	113.76	
23 13 33 00-0097	SF	Steel Box Fiberglass Reinforced Polyester (FRP) Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	138.36	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	15.24	2.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*3.96*	
		For Work In Restricted Working Space, Add	*2.87*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	16.89	2.99
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*4.48*	
		For Work In Restricted Working Space, Add	*3.00*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	18.98	3.27
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.14*	
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.34	3.41
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.58*	
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.11	4.03
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.19*	
		For Work In Restricted Working Space, Add	*3.46*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.26	4.86
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.81*	
		For Work In Restricted Working Space, Add	*3.90*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	44.47	5.77
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*13.43*	
		For Work In Restricted Working Space, Add	*4.84*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.88	7.71
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*17.32*	
		For Work In Restricted Working Space, Add	*5.93*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	79.46	8.31
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*25.40*	
		For Work In Restricted Working Space, Add	*6.00*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	122.80	10.62
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*40.39*	
		For Work In Restricted Working Space, Add	*7.16*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	149.47	12.56
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*49.49*	
		For Work In Restricted Working Space, Add	*8.11*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.21	2.68
		For Schedule 80 Pipe, Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.21*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	7.83	2.78
		For Schedule 80 Pipe, Add	*2.05*	
		For Work In Restricted Working Space, Add	*1.26*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.17	2.99
		For Schedule 80 Pipe, Add	*2.56*	
		For Work In Restricted Working Space, Add	*1.34*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.11	3.27
		For Schedule 80 Pipe, Add	*3.30*	
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	13.52	3.41
		For Schedule 80 Pipe, Add	*4.28*	
		For Work In Restricted Working Space, Add	*1.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	16.06	4.03
		For Schedule 80 Pipe, Add	*5.11*	
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.43	4.86
		For Schedule 80 Pipe, Add	*6.64*	
		For Work In Restricted Working Space, Add	*2.19*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	29.41	5.77
		For Schedule 80 Pipe, Add	*10.20*	
		For Work In Restricted Working Space, Add	*2.60*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	38.73	7.71
		For Schedule 80 Pipe, Add	*13.38*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	53.08	8.31
		For Schedule 80 Pipe, Add	*19.51*	
		For Work In Restricted Working Space, Add	*3.75*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	69.83	10.62
		For Schedule 80 Pipe, Add	*25.86*	
		For Work In Restricted Working Space, Add	*4.77*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	89.93	12.56
		For Schedule 80 Pipe, Add	*33.88*	
		For Work In Restricted Working Space, Add	*5.65*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	128.21	15.19
		For Schedule 80 Pipe, Add	*49.74*	
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	177.07	18.50
		For Schedule 80 Pipe, Add	*69.96*	
		For Work In Restricted Working Space, Add	*8.33*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	237.19	24.31
		For Schedule 80 Pipe, Add	*93.97*	
		For Work In Restricted Working Space, Add	*10.94*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	19.73	10.28
		For 300 Lb. Rating, Add	*11.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	21.50	12.36
		For 300 Lb. Rating, Add	*8.26*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	24.33	13.82
		For 300 Lb. Rating, Add	*9.88*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	29.40	15.42
		For 300 Lb. Rating, Add	*16.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	36.52	17.51
		For 300 Lb. Rating, Add	*26.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	43.11	19.72
		For 300 Lb. Rating, Add	*34.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	60.92	25.07
		For 300 Lb. Rating, Add	*58.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.37*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	107.65	37.09
		For 300 Lb. Rating, Add	*128.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	149.32	48.75
		For 300 Lb. Rating, Add	*187.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.22*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	236.63	48.63
		For 300 Lb. Rating, Add	*397.28*	
		For Standard Weight Cast Iron Fittings, Add	*2.62*	
		For Work In Restricted Working Space, Add	*21.88*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	554.46	50.75
		For 300 Lb. Rating, Add	*1,152.68*	
		For Standard Weight Cast Iron Fittings, Add	*7.65*	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	632.14	53.06
		For 300 Lb. Rating, Add	*1,331.01*	
		For Standard Weight Cast Iron Fittings, Add	*8.84*	
		For Work In Restricted Working Space, Add	*23.86*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	22.66	11.32
		For 300 Lb. Rating, Add	*14.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*5.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	25.48	13.06
		For 300 Lb. Rating, Add	*15.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*5.89*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	26.25	12.08
		For 300 Lb. Rating, Add	*20.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	29.45	14.66
		For 300 Lb. Rating, Add	*19.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*6.58*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	28.93	13.89
		For 300 Lb. Rating, Add	*20.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*6.25*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	35.25	12.85
		For 300 Lb. Rating, Add	*39.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.30	16.46
		For 300 Lb. Rating, Add	*31.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.55	15.62
		For 300 Lb. Rating, Add	*35.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	38.82	14.93
		For 300 Lb. Rating, Add	*40.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.69	18.61
		For 300 Lb. Rating, Add	*44.42*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	44.15	17.57
		For 300 Lb. Rating, Add	*44.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*7.90*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.52	16.73
		For 300 Lb. Rating, Add	*50.42*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	59.35	22.37
		For 300 Lb. Rating, Add	*63.93*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*10.07*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	61.19	21.25
		For 300 Lb. Rating, Add	*72.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	59.66	20.21
		For 300 Lb. Rating, Add	*72.19*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*9.10*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	60.21	19.45
		For 300 Lb. Rating, Add	*76.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*8.74*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	117.35	31.04
		For 300 Lb. Rating, Add	*172.71*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*13.97*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	117.52	28.41
		For 300 Lb. Rating, Add	*182.46*	
		For Standard Weight Cast Iron Fittings, Add	*1.20*	
		For Work In Restricted Working Space, Add	*12.77*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	196.82	42.92
		For 300 Lb. Rating, Add	*321.84*	
		For Standard Weight Cast Iron Fittings, Add	*2.12*	
		For Work In Restricted Working Space, Add	*19.30*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	169.77	36.88
		For 300 Lb. Rating, Add	*278.00*	
		For Standard Weight Cast Iron Fittings, Add	*1.83*	
		For Work In Restricted Working Space, Add	*16.60*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	295.80	46.25
		For 300 Lb. Rating, Add	*547.62*	
		For Standard Weight Cast Iron Fittings, Add	*3.62*	
		For Work In Restricted Working Space, Add	*20.81*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	21.91	10.28
		For 300 Lb. Rating, Add	*16.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*4.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	23.45	12.36
		For 300 Lb. Rating, Add	*12.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	26.82	13.82
		For 300 Lb. Rating, Add	*15.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	30.82	15.42
		For 300 Lb. Rating, Add	*19.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	39.78	17.51
		For 300 Lb. Rating, Add	*34.14*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	46.34	19.72
		For 300 Lb. Rating, Add	*42.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	62.92	25.07
		For 300 Lb. Rating, Add	*63.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	129.00	37.09
		For 300 Lb. Rating, Add	*179.59*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	168.50	48.75
		For 300 Lb. Rating, Add	*233.35*	
		For Standard Weight Cast Iron Fittings, Add	*1.53*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	259.99	48.63
		For 300 Lb. Rating, Add	*453.34*	
		For Standard Weight Cast Iron Fittings, Add	*2.99*	
		For Work In Restricted Working Space, Add	*21.88*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	815.02	50.75
		For 300 Lb. Rating, Add	*1,778.02*	
		For Standard Weight Cast Iron Fittings, Add	*11.82*	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	835.56	53.06
		For 300 Lb. Rating, Add	*1,819.22*	
		For Standard Weight Cast Iron Fittings, Add	*12.10*	
		For Work In Restricted Working Space, Add	*23.86*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	25.55	12.70
		For 300 Lb. Rating, Add	*16.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	27.14	15.42
		For 300 Lb. Rating, Add	*10.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	32.43	17.85
		For 300 Lb. Rating, Add	*15.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	41.37	21.04
		For 300 Lb. Rating, Add	*25.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	53.41	25.07
		For 300 Lb. Rating, Add	*40.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	64.55	29.86
		For 300 Lb. Rating, Add	*50.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	89.20	37.09
		For 300 Lb. Rating, Add	*84.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	145.63	48.75
		For 300 Lb. Rating, Add	*178.46*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	193.64	57.92
		For 300 Lb. Rating, Add	*261.60*	
		For Standard Weight Cast Iron Fittings, Add	*1.71*	
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	350.32	61.44
		For 300 Lb. Rating, Add	*625.23*	
		For Standard Weight Cast Iron Fittings, Add	*4.13*	
		For Work In Restricted Working Space, Add	*27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	891.86	72.94
		For 300 Lb. Rating, Add	*1,884.51*	
		For Standard Weight Cast Iron Fittings, Add	*12.52*	
		For Work In Restricted Working Space, Add	*32.81*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	964.74	83.38
		For 300 Lb. Rating, Add	*2,022.88*	
		For Standard Weight Cast Iron Fittings, Add	*13.44*	
		For Work In Restricted Working Space, Add	*37.50*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	29.93	15.42
		For 300 Lb. Rating, Add	*17.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	35.56	17.85
		For 300 Lb. Rating, Add	*22.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	42.74	21.04
		For 300 Lb. Rating, Add	*28.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	59.49	25.07
		For 300 Lb. Rating, Add	*54.93*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	69.13	29.86
		For 300 Lb. Rating, Add	*61.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	90.87	37.09
		For 300 Lb. Rating, Add	*88.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	183.12	48.75
		For 300 Lb. Rating, Add	*268.43*	
		For Standard Weight Cast Iron Fittings, Add	*1.76*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	212.82	57.92
		For 300 Lb. Rating, Add	*307.63*	
		For Standard Weight Cast Iron Fittings, Add	*2.02*	
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	397.71	61.44
		For 300 Lb. Rating, Add	*738.97*	
		For Standard Weight Cast Iron Fittings, Add	*4.89*	
		For Work In Restricted Working Space, Add	*27.63*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	818.22	72.94
		For 300 Lb. Rating, Add	*1,707.78*	
		For Standard Weight Cast Iron Fittings, Add	*11.34*	
		For Work In Restricted Working Space, Add	*32.81*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	928.99	83.38
		For 300 Lb. Rating, Add	*1,937.08*	
		For Standard Weight Cast Iron Fittings, Add	*12.86*	
		For Work In Restricted Working Space, Add	*37.50*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	20.78	10.28
		For 300 Lb. Rating, Add	*13.77*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	22.64	12.36
		For 300 Lb. Rating, Add	*11.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	25.56	13.82
		For 300 Lb. Rating, Add	*12.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	30.38	15.42
		For 300 Lb. Rating, Add	*18.74*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	35.58	17.51
		For 300 Lb. Rating, Add	*24.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	42.20	19.72
		For 300 Lb. Rating, Add	*32.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	56.30	25.07
		For 300 Lb. Rating, Add	*47.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*11.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	107.31	37.09
		For 300 Lb. Rating, Add	*127.53*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	143.07	48.75
		For 300 Lb. Rating, Add	*172.31*	
		For Standard Weight Cast Iron Fittings, Add	*1.12*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	213.83	48.63
		For 300 Lb. Rating, Add	*342.56*	
		For Standard Weight Cast Iron Fittings, Add	*2.25*	
		For Work In Restricted Working Space, Add	*21.88*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	472.86	50.75
		For 300 Lb. Rating, Add	*956.84*	
		For Standard Weight Cast Iron Fittings, Add	*6.35*	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	531.56	53.06
		For 300 Lb. Rating, Add	*1,089.62*	
		For Standard Weight Cast Iron Fittings, Add	*7.23*	
		For Work In Restricted Working Space, Add	*23.86*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	23.64	12.36
		For 300 Lb. Rating, Add	*13.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	26.15	13.82
		For 300 Lb. Rating, Add	*14.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	31.59	15.42
		For 300 Lb. Rating, Add	*21.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	37.06	17.51
		For 300 Lb. Rating, Add	*27.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	43.26	19.72
		For 300 Lb. Rating, Add	*34.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	57.41	25.07
		For 300 Lb. Rating, Add	*49.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	114.30	37.09
		For 300 Lb. Rating, Add	*144.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.94*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	144.50	48.75
		For 300 Lb. Rating, Add	*175.75*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	216.03	48.63
		For 300 Lb. Rating, Add	*347.84*	
		For Standard Weight Cast Iron Fittings, Add	*2.29*	
		For Work In Restricted Working Space, Add	*21.88*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	397.75	50.75
		For 300 Lb. Rating, Add	*776.57*	
		For Standard Weight Cast Iron Fittings, Add	*5.15*	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	492.69	53.06
		For 300 Lb. Rating, Add	*996.33*	
		For Standard Weight Cast Iron Fittings, Add	*6.61*	
		For Work In Restricted Working Space, Add	*23.86*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	11.35	5.48
		For 300 Lb. Rating, Add	*7.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*2.50*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	13.41	6.18
		For 300 Lb. Rating, Add	*10.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*2.80*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	15.36	6.88
		For 300 Lb. Rating, Add	*12.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*3.13*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	18.30	7.78
		For 300 Lb. Rating, Add	*16.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	22.24	8.75
		For 300 Lb. Rating, Add	*22.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*3.99*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	29.94	11.18
		For 300 Lb. Rating, Add	*32.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*5.07*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	54.95	16.53
		For 300 Lb. Rating, Add	*73.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	77.06	21.74
		For 300 Lb. Rating, Add	*107.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.71*	
		For Work In Restricted Working Space, Add	*9.87*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	108.56	21.69
		For 300 Lb. Rating, Add	*183.77*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	
		For Work In Restricted Working Space, Add	*9.84*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	214.77	22.63
		For 300 Lb. Rating, Add	*435.33*	
		For Standard Weight Cast Iron Fittings, Add	*2.89*	
		For Work In Restricted Working Space, Add	*10.27*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	366.72	23.63
		For 300 Lb. Rating, Add	*796.38*	
		For Standard Weight Cast Iron Fittings, Add	*5.29*	
		For Work In Restricted Working Space, Add	*10.74*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	29.89	10.28
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	36.24	15.42
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	41.75	17.85
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	51.19	21.04
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	65.67	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	79.88	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	96.35	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	203.52	54.65
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	254.19	71.88
		For Work In Restricted Working Space, Add	*32.38*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	34.54	10.28
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	45.08	15.42
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	48.28	17.85
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	58.03	21.04
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	81.94	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	95.93	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	121.15	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	287.60	54.65
		For Work In Restricted Working Space, Add	*24.61*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	348.52	71.88
		For Work In Restricted Working Space, Add	*32.38*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	534.10	71.75
		For Work In Restricted Working Space, Add	*32.29*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	46.45	10.28
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	48.24	15.42
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	54.50	17.85
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	67.84	21.04
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	96.70	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	106.78	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	132.31	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	329.48	54.65
		For Work In Restricted Working Space, Add	*24.61*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	428.05	71.88
		For Work In Restricted Working Space, Add	*32.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,123.72	71.75
		For Work In Restricted Working Space, Add	*32.29*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	12.83	6.60
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	12.38	6.60
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	12.74	6.60
		For Schedule 80 Nipples, Add	*1.41*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	14.78	7.15
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	16.77	7.71
		For Schedule 80 Nipples, Add	*2.60*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	18.04	7.71
		For Schedule 80 Nipples, Add	*3.23*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	23.73	9.93
		For Schedule 80 Nipples, Add	*4.40*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	46.06	12.36
		For Schedule 80 Nipples, Add	*13.77*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	55.13	14.93
		For Schedule 80 Nipples, Add	*16.37*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	74.29	16.69
		For Schedule 80 Nipples, Add	*24.65*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	13.23	6.60
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	12.38	6.60
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	12.95	6.60
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	13.23	6.60
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	12.38	6.60
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	12.95	6.60
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	15.17	7.15
		For Schedule 80 Nipples, Add	*2.25*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	17.46	7.71
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	18.56	7.71
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.17	6.60
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	12.83	6.60
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	13.35	6.60
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	15.44	7.15
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	17.83	7.71
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.38	7.71
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	25.03	9.93
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	14.17	6.60
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	12.83	6.60
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	13.35	6.60
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	15.44	7.15
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	17.83	7.71
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	19.38	7.71
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	25.03	9.93
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	46.79	12.36
		For Schedule 80 Nipples, Add	*14.14*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	57.98	14.93
		For Schedule 80 Nipples, Add	*17.79*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.93	6.60
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	13.41	6.60
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	14.17	6.60
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	16.56	7.15
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.98	7.71
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.32	7.71
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.15	9.93
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	51.77	12.36
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	64.54	14.93
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	14.93	6.60
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	13.41	6.60
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	14.17	6.60
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	16.56	7.15
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	18.98	7.71
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	20.32	7.71
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	27.15	9.93
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	51.77	12.36
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	64.54	14.93
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	82.03	16.69
		For Schedule 80 Nipples, Add	*28.52*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	17.14	6.60
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	14.02	6.60
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.26	6.60
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	17.66	7.15
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	20.44	7.71
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.01	9.93
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	55.04	12.36
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	68.87	14.93
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	90.16	16.69
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	17.14	6.60
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	14.02	6.60
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	15.26	6.60
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	17.66	7.15
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	20.44	7.71
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	22.26	7.71
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	29.01	9.93
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	55.04	12.36
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	68.87	14.93
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	90.16	16.69
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	17.96	6.60
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	14.50	6.60
		For Schedule 80 Nipples, Add	*2.29*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	15.99	6.60
		For Schedule 80 Nipples, Add	*3.04*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	18.93	7.15
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	22.08	7.71
		For Schedule 80 Nipples, Add	*5.25*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	23.84	7.71
		For Schedule 80 Nipples, Add	*6.13*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	31.43	9.93
		For Schedule 80 Nipples, Add	*8.25*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	56.59	12.36
		For Schedule 80 Nipples, Add	*19.04*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	72.91	14.93
		For Schedule 80 Nipples, Add	*25.26*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	94.65	16.69
		For Schedule 80 Nipples, Add	*34.83*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	24.03	6.60
		For Schedule 80 Nipples, Add	*7.06*	
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	18.17	6.60
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	20.02	6.60
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	24.18	7.15
		For Schedule 80 Nipples, Add	*6.75*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	28.54	7.71
		For Schedule 80 Nipples, Add	*8.48*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	31.02	7.71
		For Schedule 80 Nipples, Add	*9.72*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	42.60	9.93
		For Schedule 80 Nipples, Add	*13.84*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	66.96	12.36
		For Schedule 80 Nipples, Add	*24.22*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	90.53	14.93
		For Schedule 80 Nipples, Add	*34.07*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	105.39	16.69
		For Schedule 80 Nipples, Add	*40.20*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	25.75	6.60
		For Schedule 80 Nipples, Add	*7.92*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	19.84	6.60
		For Schedule 80 Nipples, Add	*4.96*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	21.66	6.60
		For Schedule 80 Nipples, Add	*5.87*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	26.45	7.15
		For Schedule 80 Nipples, Add	*7.89*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	31.90	7.71
		For Schedule 80 Nipples, Add	*10.16*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	34.33	7.71
		For Schedule 80 Nipples, Add	*11.38*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	47.45	9.93
		For Schedule 80 Nipples, Add	*16.26*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	72.94	12.36
		For Schedule 80 Nipples, Add	*27.21*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	98.93	14.93
		For Schedule 80 Nipples, Add	*38.27*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	116.55	16.69
		For Schedule 80 Nipples, Add	*45.78*	
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	27.94	6.60
		For Schedule 80 Nipples, Add	*9.01*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	21.69	6.60
		For Schedule 80 Nipples, Add	*5.89*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	22.96	6.60
		For Schedule 80 Nipples, Add	*6.52*	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	28.79	7.15
		For Schedule 80 Nipples, Add	*9.06*	
		For Work In Restricted Working Space, Add	*3.20*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	34.63	7.71
		For Schedule 80 Nipples, Add	*11.53*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	37.79	7.71
		For Schedule 80 Nipples, Add	*13.11*	
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	52.36	9.93
		For Schedule 80 Nipples, Add	*18.72*	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	79.07	12.36
		For Schedule 80 Nipples, Add	*30.28*	
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	107.34	14.93
		For Schedule 80 Nipples, Add	*42.47*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	132.32	16.69
		For Schedule 80 Nipples, Add	*53.66*	
		For Work In Restricted Working Space, Add	*7.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0286		**Black Malleable Iron Bushing** *(23 21 13 23-0014)*		
23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	21.56	11.32
		For Work In Restricted Working Space, Add	*5.09*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	24.85	12.15
		For Work In Restricted Working Space, Add	*5.47*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	26.24	13.06
		For Work In Restricted Working Space, Add	*5.89*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	28.56	12.99
		For Work In Restricted Working Space, Add	*5.84*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	27.64	13.89
		For Work In Restricted Working Space, Add	*6.25*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	28.75	14.66
		For Work In Restricted Working Space, Add	*6.58*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	31.19	13.96
		For Work In Restricted Working Space, Add	*6.29*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	32.13	14.93
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	32.26	15.62
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	33.47	16.46
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	36.13	15.14
		For Work In Restricted Working Space, Add	*6.80*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	35.15	16.04
		For Work In Restricted Working Space, Add	*7.21*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	36.25	16.73
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	36.10	17.57
		For Work In Restricted Working Space, Add	*7.90*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	39.02	18.61
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	45.67	17.78
		For Work In Restricted Working Space, Add	*7.99*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	44.81	18.68
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	43.32	19.45
		For Work In Restricted Working Space, Add	*8.74*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	43.64	20.21
		For Work In Restricted Working Space, Add	*9.10*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	45.17	21.25
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	48.35	22.37
		For Work In Restricted Working Space, Add	*10.07*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	62.30	25.42
		For Work In Restricted Working Space, Add	*11.44*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	63.51	26.25
		For Work In Restricted Working Space, Add	*11.81*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	65.04	27.22
		For Work In Restricted Working Space, Add	*12.26*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	65.07	28.41
		For Work In Restricted Working Space, Add	*12.77*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	68.88	31.04
		For Work In Restricted Working Space, Add	*13.97*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	80.34	31.25
		For Work In Restricted Working Space, Add	*14.08*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	81.55	32.08
		For Work In Restricted Working Space, Add	*14.44*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	83.08	33.13
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	84.10	34.24
		For Work In Restricted Working Space, Add	*15.40*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	85.95	36.88
		For Work In Restricted Working Space, Add	*16.60*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	95.41	42.92
		For Work In Restricted Working Space, Add	*19.30*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	109.89	30.51
		For Work In Restricted Working Space, Add	*13.74*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	110.98	31.25
		For Work In Restricted Working Space, Add	*14.06*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	112.35	32.19
		For Work In Restricted Working Space, Add	*14.48*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	113.85	33.19
		For Work In Restricted Working Space, Add	*14.93*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	114.02	35.57
		For Work In Restricted Working Space, Add	*16.01*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	122.12	41.00
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	130.02	46.25
		For Work In Restricted Working Space, Add	*20.81*	
23 21 13 23-0326		**Black Malleable Iron Square Head Plugs** *(23 21 13 23-0014)*		
23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	9.67	4.10
		For Work In Restricted Working Space, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	11.14	4.93
		For Work In Restricted Working Space, Add	*2.22*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	12.02	5.55
		For Work In Restricted Working Space, Add	*2.49*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	13.95	6.18
		For Work In Restricted Working Space, Add	*2.78*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	16.39	7.02
		For Work In Restricted Working Space, Add	*3.14*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	20.07	7.85
		For Work In Restricted Working Space, Add	*3.55*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	26.73	10.00
		For Work In Restricted Working Space, Add	*4.50*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	43.56	14.79
		For Work In Restricted Working Space, Add	*6.67*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	58.54	19.52
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	90.62	19.44
		For Work In Restricted Working Space, Add	*8.75*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	162.42	20.31
		For Work In Restricted Working Space, Add	*9.13*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	195.31	21.19
		For Work In Restricted Working Space, Add	*9.55*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	108.58	27.78
		For Work In Restricted Working Space, Add	*12.50*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	89.63	31.39
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	99.64	32.50
		For Work In Restricted Working Space, Add	*14.62*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	100.05	35.35
		For Work In Restricted Working Space, Add	*15.90*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	102.27	36.88
		For Work In Restricted Working Space, Add	*16.60*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	118.92	42.71
		For Work In Restricted Working Space, Add	*19.20*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	151.98	54.17
		For Work In Restricted Working Space, Add	*24.37*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	195.36	66.69
		For Work In Restricted Working Space, Add	*30.00*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	253.75	79.44
		For Work In Restricted Working Space, Add	*35.72*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	289.12	91.19
		For Work In Restricted Working Space, Add	*41.02*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	52.85	25.35
		For Work In Restricted Working Space, Add	*11.42*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	57.62	27.78
		For Work In Restricted Working Space, Add	*12.50*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	67.79	31.39
		For Work In Restricted Working Space, Add	*14.12*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	70.88	32.50
		For Work In Restricted Working Space, Add	*14.62*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	77.17	35.35
		For Work In Restricted Working Space, Add	*15.90*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	86.85	36.88
		For Work In Restricted Working Space, Add	*16.60*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	113.43	42.71
		For Work In Restricted Working Space, Add	*19.20*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	143.68	54.17
		For Work In Restricted Working Space, Add	*24.36*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	206.09	66.69
		For Work In Restricted Working Space, Add	*29.99*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	22.61	
		For Work In Restricted Working Space, Add	*6.78*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	24.86	
		For Work In Restricted Working Space, Add	*7.46*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	27.13	
		For Work In Restricted Working Space, Add	*8.14*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	29.38	
		For Work In Restricted Working Space, Add	*8.81*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	30.90	
		For Work In Restricted Working Space, Add	*9.27*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	32.40	
		For Work In Restricted Working Space, Add	*9.72*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	33.90	
		For Work In Restricted Working Space, Add	*10.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	35.42	
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	36.92	
		For Work In Restricted Working Space, Add	*11.08*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	39.93	
		For Work In Restricted Working Space, Add	*11.98*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	42.95	
		For Work In Restricted Working Space, Add	*12.89*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	46.72	
		For Work In Restricted Working Space, Add	*14.02*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	49.73	
		For Work In Restricted Working Space, Add	*14.92*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.48	5.29
		For Work In Restricted Working Space, Add	*3.87*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.78	5.64
		For Work In Restricted Working Space, Add	*4.33*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.90	5.99
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.31	5.99
		For Work In Restricted Working Space, Add	*5.20*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.47	5.99
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.71	5.99
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.40	5.86
		For Work In Restricted Working Space, Add	*7.36*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	63.06	6.87
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	90.62	10.24
		For Work In Restricted Working Space, Add	*9.82*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	137.79	12.72
		For Work In Restricted Working Space, Add	*14.57*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	188.75	15.91
		For Work In Restricted Working Space, Add	*17.37*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	242.22	19.21
		For Work In Restricted Working Space, Add	*20.07*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	261.25	25.06
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	303.79	31.81
		For Work In Restricted Working Space, Add	*25.03*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	397.65	39.38
		For Work In Restricted Working Space, Add	*27.46*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	508.28	48.67
		For Work In Restricted Working Space, Add	*31.43*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	635.93	55.16
		For Work In Restricted Working Space, Add	*34.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0393		**Welded Black Steel Pipe And Fittings** *(23 21 13 23-0374)* Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		**Welded Plain End (A-53) Black Steel Piping** *(23 21 13 23-0393)*		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	8.63	2.82
		For Schedule 80 Pipe, Add	*1.44*	
		For Work In Restricted Working Space, Add	*1.69*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	11.02	3.52
		For Schedule 80 Pipe, Add	*1.85*	
		For Work In Restricted Working Space, Add	*2.12*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	14.29	4.23
		For Schedule 80 Pipe, Add	*2.44*	
		For Work In Restricted Working Space, Add	*2.54*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	17.61	4.94
		For Schedule 80 Pipe, Add	*3.03*	
		For Work In Restricted Working Space, Add	*2.96*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	20.97	5.86
		For Schedule 80 Pipe, Add	*3.61*	
		For Work In Restricted Working Space, Add	*3.51*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	24.07	6.63
		For Schedule 80 Pipe, Add	*6.10*	
		For Work In Restricted Working Space, Add	*3.98*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	31.40	7.13
		For Schedule 80 Pipe, Add	*8.50*	
		For Work In Restricted Working Space, Add	*4.27*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	45.14	8.81
		For Schedule 80 Pipe, Add	*12.71*	
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	67.97	14.28
		For Schedule 80 Pipe, Add	*19.96*	
		For Work In Restricted Working Space, Add	*6.56*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	96.87	13.68
		For Schedule 80 Pipe, Add	*29.12*	
		For Schedule 30 Pipe, Deduct	*-16.64*	
		For Work In Restricted Working Space, Add	*8.21*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	131.33	16.48
		For Schedule 80 Pipe, Add	*40.20*	
		For Schedule 30 Pipe, Deduct	*-22.97*	
		For Work In Restricted Working Space, Add	*9.89*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	169.93	19.91
		For Schedule 80 Pipe, Add	*52.51*	
		For Schedule 30 Pipe, Deduct	*-30.00*	
		For Work In Restricted Working Space, Add	*11.95*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	160.63	20.99
		For Schedule 80 Pipe, Add	*48.87*	
		For Schedule 30 Pipe, Deduct	*-27.93*	
		For Schedule 20 Pipe, Deduct	*-49.92*	
		For Work In Restricted Working Space, Add	*12.60*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	177.78	22.58
		For Schedule 80 Pipe, Add	*54.32*	
		For Schedule 30 Pipe, Deduct	*-31.04*	
		For Schedule 20 Pipe, Deduct	*-55.45*	
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	232.65	24.43
		For Schedule 80 Pipe, Add	*72.88*	
		For Schedule 30 Pipe, Deduct	*-41.64*	
		For Schedule 20 Pipe, Deduct	*-74.10*	
		For Work In Restricted Working Space, Add	*14.66*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	274.32	29.27
		For Schedule 80 Pipe, Add	*85.77*	
		For Work In Restricted Working Space, Add	*17.56*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	346.08	33.65
		For Schedule 80 Pipe, Add	*109.35*	
		For Work In Restricted Working Space, Add	*20.19*	
23 21 13 23-0412		**Welded Plain End (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-0393)*		
23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	9.13	1.97
		For Work In Restricted Working Space, Add	*1.19*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.51*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	9.05	2.19
		For Work In Restricted Working Space, Add	*1.29*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.40*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.31	2.82
		For Work In Restricted Working Space, Add	*1.69*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.94*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	13.78	3.52
		For Work In Restricted Working Space, Add	*2.12*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.55*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	17.69	4.23
		For Work In Restricted Working Space, Add	*2.54*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.68*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	20.66	4.94
		For Work In Restricted Working Space, Add	*2.96*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	24.56	5.86
		For Work In Restricted Working Space, Add	*3.51*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.51*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	33.84	6.63
		For Work In Restricted Working Space, Add	*3.98*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*13.51*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	39.43	7.13
		For Work In Restricted Working Space, Add	*4.27*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*16.24*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	49.05	8.81
		For Work In Restricted Working Space, Add	*5.29*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*20.24*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	80.41	14.32
		For Work In Restricted Working Space, Add	*6.56*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*36.06*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	115.46	13.68
		For Work In Restricted Working Space, Add	*8.21*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*53.44*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	158.60	16.48
		For Work In Restricted Working Space, Add	*9.89*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*75.31*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	193.67	19.91
		For Work In Restricted Working Space, Add	*11.95*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*92.12*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	231.19	20.99
		For Work In Restricted Working Space, Add	*12.60*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*112.25*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	269.71	22.58
		For Work In Restricted Working Space, Add	*13.55*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*132.52*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	332.13	24.43
		For Work In Restricted Working Space, Add	*14.66*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*165.96*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	400.54	29.27
		For Work In Restricted Working Space, Add	*17.56*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*200.31*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	510.39	33.65
		For Work In Restricted Working Space, Add	*20.19*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*258.22*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	81.67	40.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*18.15*	
		For Work In Restricted Working Space, Add	*18.13*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	84.84	42.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*18.77*	
		For Work In Restricted Working Space, Add	*19.08*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	93.75	48.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.51*	
		For Work In Restricted Working Space, Add	*21.76*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	99.47	52.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*21.63*	
		For Work In Restricted Working Space, Add	*23.47*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	123.00	67.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.21*	
		For Work In Restricted Working Space, Add	*30.53*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	155.52	84.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.30*	
		For Work In Restricted Working Space, Add	*38.17*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	176.72	95.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.01*	
		For Work In Restricted Working Space, Add	*42.87*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	302.91	164.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.94*	
		For Work In Restricted Working Space, Add	*74.09*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	545.17	271.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*120.75*	
		For Work In Restricted Working Space, Add	*122.29*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	772.18	344.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*177.38*	
		For Work In Restricted Working Space, Add	*155.08*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,059.43	394.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*255.80*	
		For Work In Restricted Working Space, Add	*177.23*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,452.56	515.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*354.61*	
		For Work In Restricted Working Space, Add	*231.89*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,833.52	609.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*454.12*	
		For Work In Restricted Working Space, Add	*274.11*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,325.97	711.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*585.76*	
		For Work In Restricted Working Space, Add	*320.08*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,810.14	793.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*718.12*	
		For Work In Restricted Working Space, Add	*356.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,715.70	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*974.64*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,491.11	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,202.60*	
		For Work In Restricted Working Space, Add	*413.54*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	477.55	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*117.28*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	853.07	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*213.61*	
		For Work In Restricted Working Space, Add	*120.89*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	930.24	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*236.76*	
		For Work In Restricted Working Space, Add	*120.89*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,466.39	344.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*385.64*	
		For Work In Restricted Working Space, Add	*155.08*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,650.39	344.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*440.84*	
		For Work In Restricted Working Space, Add	*155.08*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,108.42	394.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*570.50*	
		For Work In Restricted Working Space, Add	*177.23*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,108.42	394.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*570.50*	
		For Work In Restricted Working Space, Add	*177.23*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,605.44	525.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*998.92*	
		For Work In Restricted Working Space, Add	*236.31*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,605.44	525.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*998.92*	
		For Work In Restricted Working Space, Add	*236.31*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,105.95	525.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,149.08*	
		For Work In Restricted Working Space, Add	*236.31*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	76.80	39.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*16.75*	
		For Work In Restricted Working Space, Add	*17.99*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	78.90	41.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*17.15*	
		For Work In Restricted Working Space, Add	*18.62*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	88.07	47.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*18.94*	
		For Work In Restricted Working Space, Add	*21.37*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	93.71	51.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.04*	
		For Work In Restricted Working Space, Add	*23.06*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	116.28	66.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.44*	
		For Work In Restricted Working Space, Add	*29.83*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	144.43	83.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.22*	
		For Work In Restricted Working Space, Add	*37.45*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	167.57	95.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.27*	
		For Work In Restricted Working Space, Add	*42.86*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	287.76	164.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.40*	
		For Work In Restricted Working Space, Add	*74.08*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	507.57	271.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*109.52*	
		For Work In Restricted Working Space, Add	*122.15*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	703.30	344.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*156.71*	
		For Work In Restricted Working Space, Add	*155.08*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	932.97	394.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*217.86*	
		For Work In Restricted Working Space, Add	*177.23*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,267.73	514.62
		For Schedule 80 Or Extra Heavy Fittings, Add	*299.31*	
		For Work In Restricted Working Space, Add	*231.46*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,586.51	610.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*379.89*	
		For Work In Restricted Working Space, Add	*274.47*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,985.11	710.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*483.62*	
		For Work In Restricted Working Space, Add	*319.74*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,371.50	792.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*586.68*	
		For Work In Restricted Working Space, Add	*356.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,072.99	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*781.83*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,651.16	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*950.61*	
		For Work In Restricted Working Space, Add	*413.54*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	163.71	75.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.27*	
		For Work In Restricted Working Space, Add	*33.85*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	163.68	75.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.26*	
		For Work In Restricted Working Space, Add	*33.84*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	186.81	83.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.87*	
		For Work In Restricted Working Space, Add	*37.64*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	202.36	94.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.90*	
		For Work In Restricted Working Space, Add	*42.31*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	242.55	125.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.99*	
		For Work In Restricted Working Space, Add	*56.49*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	278.96	141.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*61.47*	
		For Work In Restricted Working Space, Add	*63.47*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	331.30	171.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*72.44*	
		For Work In Restricted Working Space, Add	*77.01*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	474.94	247.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*103.51*	
		For Work In Restricted Working Space, Add	*111.35*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	802.12	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*176.25*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,137.47	525.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*258.53*	
		For Work In Restricted Working Space, Add	*236.31*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	1,505.44	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*355.14*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,073.50	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*497.99*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	2,812.55	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*699.03*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	3,387.88	1,103.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*842.68*	
		For Work In Restricted Working Space, Add	*496.24*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	4,669.95	1,225.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,208.00*	
		For Work In Restricted Working Space, Add	*551.38*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	6,439.93	1,379.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,714.87*	
		For Work In Restricted Working Space, Add	*620.30*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	7,559.71	1,485.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,034.11*	
		For Work In Restricted Working Space, Add	*668.02*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	160.18	72.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.58*	
		For Work In Restricted Working Space, Add	*32.79*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	163.68	75.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.26*	
		For Work In Restricted Working Space, Add	*33.84*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	183.56	83.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.89*	
		For Work In Restricted Working Space, Add	*37.64*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	199.11	94.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.92*	
		For Work In Restricted Working Space, Add	*42.31*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	249.82	125.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.17*	
		For Work In Restricted Working Space, Add	*56.51*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	279.04	141.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*61.49*	
		For Work In Restricted Working Space, Add	*63.49*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	331.64	171.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*72.54*	
		For Work In Restricted Working Space, Add	*77.01*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	475.42	247.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*103.66*	
		For Work In Restricted Working Space, Add	*111.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	802.94	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*176.49*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,139.05	525.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*259.01*	
		For Work In Restricted Working Space, Add	*236.31*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,508.12	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*355.94*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,077.55	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*499.20*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,819.07	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*700.98*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,395.77	1,103.31
		For Schedule 80 Or Extra Heavy Fittings, Add	*845.05*	
		For Work In Restricted Working Space, Add	*496.24*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,682.85	1,225.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,211.87*	
		For Work In Restricted Working Space, Add	*551.38*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	6,565.26	1,379.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,752.47*	
		For Work In Restricted Working Space, Add	*620.30*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,119.52	1,485.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,202.05*	
		For Work In Restricted Working Space, Add	*668.02*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	99.88	45.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*22.75*	
		For Work In Restricted Working Space, Add	*20.63*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	106.57	50.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.05*	
		For Work In Restricted Working Space, Add	*22.63*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	104.81	49.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.71*	
		For Work In Restricted Working Space, Add	*22.10*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	114.69	55.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.63*	
		For Work In Restricted Working Space, Add	*25.07*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	109.75	52.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.67*	
		For Work In Restricted Working Space, Add	*23.59*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	107.99	51.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.33*	
		For Work In Restricted Working Space, Add	*23.06*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	118.63	66.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.11*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	127.14	64.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.00*	
		For Work In Restricted Working Space, Add	*28.98*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	122.20	61.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.04*	
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	148.78	84.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.31*	
		For Work In Restricted Working Space, Add	*38.07*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	139.51	75.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.90*	
		For Work In Restricted Working Space, Add	*34.16*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	157.08	73.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.50*	
		For Work In Restricted Working Space, Add	*33.21*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	166.41	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.96*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	168.10	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.47*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	171.69	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.55*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	278.74	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.64*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	280.43	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*58.15*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	285.53	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*59.68*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	467.45	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*97.92*	
		For Work In Restricted Working Space, Add	*120.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	504.03	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*108.90*	
		For Work In Restricted Working Space, Add	*120.89*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	695.42	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*144.24*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	763.49	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*164.66*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	812.85	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*169.81*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	894.69	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*194.36*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,002.35	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*226.66*	
		For Concentric Reducers, Deduct	*-95.09*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	954.19	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*203.71*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,049.79	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*232.39*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,211.38	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*280.86*	
		For Concentric Reducers, Deduct	*-136.06*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	951.48	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*202.89*	
		For Concentric Reducers, Deduct	*-52.89*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,213.87	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*267.67*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,264.21	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*282.77*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,766.12	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*433.34*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,484.86	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*336.90*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,633.06	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*381.36*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,690.76	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*398.67*	
		For Concentric Reducers, Deduct	*-210.21*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,340.70	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*593.66*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,664.12	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*690.68*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,994.00	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*474.14*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,327.22	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*274.11*	
		For Concentric Reducers, Deduct	*-46.62*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,071.88	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*497.50*	
		For Concentric Reducers, Deduct	*-284.91*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,186.70	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*531.95*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,157.46	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*823.18*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,354.43	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*566.26*	
		For Concentric Reducers, Deduct	*-326.54*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,351.79	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*565.47*	
		For Concentric Reducers, Deduct	*-325.70*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,636.03	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*950.74*	
		For Concentric Reducers, Deduct	*-736.66*	
		For Work In Restricted Working Space, Add	*400.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,151.15	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,105.28*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,923.85	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,337.09*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,716.42	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*670.19*	
		For Concentric Reducers, Deduct	*-428.15*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,872.11	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*716.90*	
		For Concentric Reducers, Deduct	*-477.97*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,595.45	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*933.90*	
		For Concentric Reducers, Deduct	*-709.44*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,941.53	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,337.72*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,950.85	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,640.52*	
		For Work In Restricted Working Space, Add	*413.54*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	91.73	45.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.30*	
		For Work In Restricted Working Space, Add	*20.63*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	98.42	50.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*21.60*	
		For Work In Restricted Working Space, Add	*22.63*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	96.66	49.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*21.26*	
		For Work In Restricted Working Space, Add	*22.10*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	106.54	55.73
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.19*	
		For Work In Restricted Working Space, Add	*25.07*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	101.60	52.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*22.22*	
		For Work In Restricted Working Space, Add	*23.59*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	99.84	51.27
		For Schedule 80 Or Extra Heavy Fittings, Add	*21.88*	
		For Work In Restricted Working Space, Add	*23.06*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	114.48	66.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.87*	
		For Work In Restricted Working Space, Add	*29.93*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	111.31	64.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.25*	
		For Work In Restricted Working Space, Add	*28.98*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	112.02	61.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.98*	
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	145.77	84.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.41*	
		For Work In Restricted Working Space, Add	*38.07*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	137.82	75.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.39*	
		For Work In Restricted Working Space, Add	*34.16*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	142.75	73.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.20*	
		For Work In Restricted Working Space, Add	*33.21*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	157.73	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.36*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	158.87	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.70*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	161.32	94.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.44*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	267.05	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.13*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	271.39	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.44*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	271.39	165.02
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.44*	
		For Work In Restricted Working Space, Add	*74.23*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	444.08	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.91*	
		For Work In Restricted Working Space, Add	*120.89*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	452.75	268.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*93.51*	
		For Work In Restricted Working Space, Add	*120.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	667.14	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*135.75*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	682.60	409.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*140.39*	
		For Work In Restricted Working Space, Add	*183.96*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	809.84	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*168.91*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	803.43	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*166.98*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	884.13	470.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*191.19*	
		For Work In Restricted Working Space, Add	*211.56*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	915.54	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*192.11*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	934.92	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*197.93*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	941.93	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*200.03*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,147.65	524.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*261.75*	
		For Work In Restricted Working Space, Add	*235.86*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,113.56	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*237.58*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,185.39	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*259.13*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,247.81	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*277.85*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0601	EA	14" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,489.01	612.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*350.21*	
		For Work In Restricted Working Space, Add	*275.69*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,374.36	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.75*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,374.36	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.75*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,410.19	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*314.50*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,529.17	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*350.20*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,021.90	689.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*498.02*	
		For Work In Restricted Working Space, Add	*310.15*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,553.54	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*342.00*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,645.37	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*369.55*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,683.84	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*381.09*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,788.48	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*412.48*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,991.03	788.07
		For Schedule 80 Or Extra Heavy Fittings, Add	*773.25*	
		For Work In Restricted Working Space, Add	*354.46*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,972.42	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*451.66*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,972.42	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*451.66*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,998.63	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*459.52*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,153.81	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*506.08*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,423.81	889.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*587.08*	
		For Work In Restricted Working Space, Add	*400.19*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,100.61	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*485.45*	
		For Work In Restricted Working Space, Add	*413.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,117.01	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*490.37*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,149.06	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*499.98*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,891.21	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*722.63*	
		For Work In Restricted Working Space, Add	*413.54*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,037.72	919.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*766.58*	
		For Work In Restricted Working Space, Add	*413.54*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	46.04	23.55
		For Schedule 80 Fittings, Add	*9.40*	
		For Work In Restricted Working Space, Add	*10.58*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	50.24	25.88
		For Schedule 80 Fittings, Add	*10.22*	
		For Work In Restricted Working Space, Add	*11.63*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	52.33	26.80
		For Schedule 80 Fittings, Add	*10.67*	
		For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	64.23	34.34
		For Schedule 80 Fittings, Add	*12.83*	
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	75.41	41.40
		For Schedule 80 Fittings, Add	*14.87*	
		For Work In Restricted Working Space, Add	*18.62*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	89.12	47.74
		For Schedule 80 Fittings, Add	*17.79*	
		For Work In Restricted Working Space, Add	*21.48*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	147.03	82.50
		For Schedule 80 Fittings, Add	*28.65*	
		For Work In Restricted Working Space, Add	*37.11*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	248.69	136.31
		For Schedule 80 Fittings, Add	*49.06*	
		For Work In Restricted Working Space, Add	*61.32*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	352.95	191.11
		For Schedule 80 Fittings, Add	*70.07*	
		For Work In Restricted Working Space, Add	*85.95*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	478.24	241.25
		For Schedule 80 Fittings, Add	*98.27*	
		For Work In Restricted Working Space, Add	*108.49*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	530.48	256.58
		For Schedule 80 Fittings, Add	*111.06*	
		For Work In Restricted Working Space, Add	*115.41*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	733.53	306.46
		For Schedule 80 Fittings, Add	*162.62*	
		For Work In Restricted Working Space, Add	*137.84*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	851.93	355.90
		For Schedule 80 Fittings, Add	*188.88*	
		For Work In Restricted Working Space, Add	*160.08*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	956.88	394.07
		For Schedule 80 Fittings, Add	*213.22*	
		For Work In Restricted Working Space, Add	*177.23*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	124.99	53.17
		For 300 Lb. Rating, Add	*40.07*	
		For Work In Restricted Working Space, Add	*23.91*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	144.75	66.36
		For 300 Lb. Rating, Add	*42.14*	
		For Work In Restricted Working Space, Add	*29.84*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	159.07	75.88
		For 300 Lb. Rating, Add	*43.67*	
		For Work In Restricted Working Space, Add	*34.12*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	207.79	100.07
		For 300 Lb. Rating, Add	*56.18*	
		For Work In Restricted Working Space, Add	*45.01*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	316.34	151.75
		For 300 Lb. Rating, Add	*86.09*	
		For Work In Restricted Working Space, Add	*68.24*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	362.68	149.13
		For 300 Lb. Rating, Add	*120.88*	
		For Work In Restricted Working Space, Add	*67.06*	
23 21 13 23-0644	EA	10", 150 Lb., Welded Plain End Black Steel Neck Flange	483.68	186.98
		For 300 Lb. Rating, Add	*171.76*	
		For Work In Restricted Working Space, Add	*84.11*	
23 21 13 23-0645	EA	12", 150 Lb., Welded Plain End Black Steel Neck Flange	614.56	212.18
		For 300 Lb. Rating, Add	*240.92*	
		For Work In Restricted Working Space, Add	*95.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	834.74	256.58
		For 300 Lb. Rating, Add	*355.43*	
		For Work In Restricted Working Space, Add	*115.41*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,150.21	298.19
		For 300 Lb. Rating, Add	*539.14*	
		For Work In Restricted Working Space, Add	*134.12*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,477.41	334.33
		For 300 Lb. Rating, Add	*735.94*	
		For Work In Restricted Working Space, Add	*150.38*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	1,872.54	424.36
		For 300 Lb. Rating, Add	*932.24*	
		For Work In Restricted Working Space, Add	*190.86*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,157.35	459.72
		For 300 Lb. Rating, Add	*1,100.05*	
		For Work In Restricted Working Space, Add	*206.77*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	83.64	53.17
		For 300 Lb. Rating, Add	*24.82*	
		For Work In Restricted Working Space, Add	*19.04*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	103.47	66.36
		For 300 Lb. Rating, Add	*31.45*	
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	122.15	75.88
		For 300 Lb. Rating, Add	*37.06*	
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	161.46	100.07
		For 300 Lb. Rating, Add	*50.01*	
		For Work In Restricted Working Space, Add	*35.96*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	240.28	151.75
		For 300 Lb. Rating, Add	*76.10*	
		For Work In Restricted Working Space, Add	*52.89*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	300.94	149.13
		For 300 Lb. Rating, Add	*108.99*	
		For Work In Restricted Working Space, Add	*61.08*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	422.54	186.98
		For 300 Lb. Rating, Add	*177.97*	
		For Work In Restricted Working Space, Add	*76.34*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	570.54	212.18
		For 300 Lb. Rating, Add	*270.71*	
		For Work In Restricted Working Space, Add	*91.61*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	743.69	256.58
		For 300 Lb. Rating, Add	*386.08*	
		For Work In Restricted Working Space, Add	*106.88*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	916.06	298.19
		For 300 Lb. Rating, Add	*510.87*	
		For Work In Restricted Working Space, Add	*118.34*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,017.47	334.33
		For 300 Lb. Rating, Add	*571.79*	
		For Work In Restricted Working Space, Add	*129.79*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,135.57	424.36
		For 300 Lb. Rating, Add	*647.73*	
		For Work In Restricted Working Space, Add	*141.24*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,294.08	459.72
		For 300 Lb. Rating, Add	*729.70*	
		For Work In Restricted Working Space, Add	*164.14*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	63.26	18.85
		For 300 Lb. Rating, Add	*24.40*	
		For 600 Lb. Rating, Add	*66.98*	
		For Work In Restricted Working Space, Add	*11.31*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	86.68	22.63
		For 300 Lb. Rating, Add	*37.90*	
		For 600 Lb. Rating, Add	*106.22*	
		For Work In Restricted Working Space, Add	*13.58*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	103.20	30.16
		For 300 Lb. Rating, Add	*40.62*	
		For 600 Lb. Rating, Add	*111.92*	
		For Work In Restricted Working Space, Add	*18.10*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	134.49	37.71
		For 300 Lb. Rating, Add	*55.18*	
		For 600 Lb. Rating, Add	*153.08*	
		For Work In Restricted Working Space, Add	*22.63*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	187.56	49.03
		For 300 Lb. Rating, Add	*81.90*	
		For 600 Lb. Rating, Add	*229.53*	
		For Work In Restricted Working Space, Add	*29.42*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	255.12	56.56
		For 300 Lb. Rating, Add	*125.47*	
		For 600 Lb. Rating, Add	*357.75*	
		For Work In Restricted Working Space, Add	*33.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	413.03	67.88
		For 300 Lb. Rating, Add	*236.08*	
		For 600 Lb. Rating, Add	*685.83*	
		For Work In Restricted Working Space, Add	*40.73*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	550.83	79.19
		For 300 Lb. Rating, Add	*330.59*	
		For 600 Lb. Rating, Add	*965.64*	
		For Work In Restricted Working Space, Add	*47.51*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	989.05	90.50
		For 300 Lb. Rating, Add	*665.44*	
		For Work In Restricted Working Space, Add	*54.30*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,055.36	101.82
		For 300 Lb. Rating, Add	*702.76*	
		For Work In Restricted Working Space, Add	*61.09*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,173.97	124.45
		For 300 Lb. Rating, Add	*766.20*	
		For Work In Restricted Working Space, Add	*74.67*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,538.11	135.75
		For 300 Lb. Rating, Add	*1,041.79*	
		For Work In Restricted Working Space, Add	*81.45*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,130.11	158.38
		For 300 Lb. Rating, Add	*1,483.94*	
		For Work In Restricted Working Space, Add	*95.03*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	50.86	
		For Work In Restricted Working Space, Add	*13.33*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	54.10	
		For Work In Restricted Working Space, Add	*13.96*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	57.84	
		For Work In Restricted Working Space, Add	*14.81*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	64.92	
		For Work In Restricted Working Space, Add	*15.87*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	72.58	
		For Work In Restricted Working Space, Add	*17.99*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	93.39	
		For Work In Restricted Working Space, Add	*23.51*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	155.32	
		For Work In Restricted Working Space, Add	*30.22*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	213.24	
		For Work In Restricted Working Space, Add	*42.31*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	289.14	
		For Work In Restricted Working Space, Add	*52.89*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	57.81	
		For Work In Restricted Working Space, Add	*15.38*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	61.41	
		For Work In Restricted Working Space, Add	*16.12*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	65.01	
		For Work In Restricted Working Space, Add	*16.92*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	74.89	
		For Work In Restricted Working Space, Add	*18.81*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	83.33	
		For Work In Restricted Working Space, Add	*21.16*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	111.29	
		For Work In Restricted Working Space, Add	*28.20*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	168.21	
		For Work In Restricted Working Space, Add	*33.85*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	221.35	
		For Work In Restricted Working Space, Add	*44.43*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	302.58	
		For Work In Restricted Working Space, Add	*56.42*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	433.95	
		For Work In Restricted Working Space, Add	*84.62*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	663.44	
		For Work In Restricted Working Space, Add	*112.82*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	842.54	
		For Work In Restricted Working Space, Add	*130.19*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,288.90	
		For Work In Restricted Working Space, Add	*153.86*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	68.12	
		For Work In Restricted Working Space, Add	*18.38*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	72.27	
		For Work In Restricted Working Space, Add	*19.27*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	77.13	
		For Work In Restricted Working Space, Add	*20.44*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	85.76	
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	96.12	
		For Work In Restricted Working Space, Add	*24.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	124.85	
		For Work In Restricted Working Space, Add	*32.43*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	196.92	
		For Work In Restricted Working Space, Add	*41.70*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	271.28	
		For Work In Restricted Working Space, Add	*58.39*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	363.07	
		For Work In Restricted Working Space, Add	*72.99*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.53	
		For Zinc Plated, Add	*4.63*	
		For Hot Dip Galvanized, Add	*6.61*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.57*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.97	
		For Zinc Plated, Add	*5.87*	
		For Hot Dip Galvanized, Add	*8.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.68*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	21.20	
		For Zinc Plated, Add	*5.94*	
		For Hot Dip Galvanized, Add	*8.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.84*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	21.31	
		For Zinc Plated, Add	*5.97*	
		For Hot Dip Galvanized, Add	*8.52*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.92*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	50.27	
		For Zinc Plated, Add	*14.08*	
		For Hot Dip Galvanized, Add	*20.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*35.19*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	67.91	
		For Zinc Plated, Add	*19.01*	
		For Hot Dip Galvanized, Add	*27.16*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.54*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	77.69	
		For Zinc Plated, Add	*21.75*	
		For Hot Dip Galvanized, Add	*31.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*54.38*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.21	
		For Zinc Plated, Add	*24.14*	
		For Hot Dip Galvanized, Add	*34.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.35*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	186.69	
		For Zinc Plated, Add	*52.27*	
		For Hot Dip Galvanized, Add	*74.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*130.68*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	192.87	
		For Zinc Plated, Add	*54.00*	
		For Hot Dip Galvanized, Add	*77.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*135.01*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	216.62	
		For Zinc Plated, Add	*60.65*	
		For Hot Dip Galvanized, Add	*86.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*151.63*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	354.20	
		For Zinc Plated, Add	*99.18*	
		For Hot Dip Galvanized, Add	*141.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*247.94*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	505.54	
		For Zinc Plated, Add	*141.55*	
		For Hot Dip Galvanized, Add	*202.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*353.88*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	639.25	
		For Zinc Plated, Add	*178.99*	
		For Hot Dip Galvanized, Add	*255.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*447.48*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	906.19	
		For Zinc Plated, Add	*253.73*	
		For Hot Dip Galvanized, Add	*362.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*634.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.	1,428.72	
		For Zinc Plated, Add	*400.04*	
		For Hot Dip Galvanized, Add	*571.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,000.10*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,969.32	
		For Zinc Plated, Add	*551.41*	
		For Hot Dip Galvanized, Add	*787.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,378.52*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	26.60	
		For Zinc Plated, Add	*7.45*	
		For Hot Dip Galvanized, Add	*10.64*	
		For Advanced Fluoropolymer (Blue Coating), Add	*18.62*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	48.65	
		For Zinc Plated, Add	*13.62*	
		For Hot Dip Galvanized, Add	*19.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*34.06*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.61	
		For Zinc Plated, Add	*21.17*	
		For Hot Dip Galvanized, Add	*30.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.93*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	82.15	
		For Zinc Plated, Add	*23.00*	
		For Hot Dip Galvanized, Add	*32.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*57.51*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	92.17	
		For Zinc Plated, Add	*25.81*	
		For Hot Dip Galvanized, Add	*36.87*	
		For Advanced Fluoropolymer (Blue Coating), Add	*64.52*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	106.00	
		For Zinc Plated, Add	*29.68*	
		For Hot Dip Galvanized, Add	*42.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*74.20*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	145.48	
		For Zinc Plated, Add	*40.73*	
		For Hot Dip Galvanized, Add	*58.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*101.84*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	223.52	
		For Zinc Plated, Add	*62.59*	
		For Hot Dip Galvanized, Add	*89.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*156.46*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	396.10	
		For Zinc Plated, Add	*110.91*	
		For Hot Dip Galvanized, Add	*158.44*	
		For Advanced Fluoropolymer (Blue Coating), Add	*277.27*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	564.62	
		For Zinc Plated, Add	*158.09*	
		For Hot Dip Galvanized, Add	*225.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*395.23*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	768.19	
		For Zinc Plated, Add	*215.09*	
		For Hot Dip Galvanized, Add	*307.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*537.73*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	1,051.93	
		For Zinc Plated, Add	*294.54*	
		For Hot Dip Galvanized, Add	*420.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*736.35*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,355.97	
		For Zinc Plated, Add	*379.67*	
		For Hot Dip Galvanized, Add	*542.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*949.18*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,443.72	
		For Zinc Plated, Add	*404.24*	
		For Hot Dip Galvanized, Add	*577.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,010.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,840.31	
		For Zinc Plated, Add	*515.29*	
		For Hot Dip Galvanized, Add	*736.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,288.22*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,912.40	
		For Zinc Plated, Add	*815.47*	
		For Hot Dip Galvanized, Add	*1,164.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,038.68*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	4,124.47	
		For Zinc Plated, Add	*1,154.85*	
		For Hot Dip Galvanized, Add	*1,649.79*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,887.13*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.53	
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.44	
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.54	
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.65	
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	124.45	
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	154.51	
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	178.58	
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	181.06	
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	460.88	
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	465.55	
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	700.22	
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	931.62	
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	2,395.64	
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,778.17	
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	3,209.47	

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	21.40	
		For 300 Lb. Rating Gasket Set, Add	*0.19*	
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	22.98	
		For 300 Lb. Rating Gasket Set, Add	*0.26*	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	25.61	
		For 300 Lb. Rating Gasket Set, Add	*0.44*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	27.88	
		For 300 Lb. Rating Gasket Set, Add	*0.51*	
		For Work In Restricted Working Space, Add	*7.93*	
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	31.03	
		For 300 Lb. Rating Gasket Set, Add	*0.64*	
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	34.53	
		For 300 Lb. Rating Gasket Set, Add	*0.89*	
		For Work In Restricted Working Space, Add	*9.60*	
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	41.00	
		For 300 Lb. Rating Gasket Set, Add	*1.21*	
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	43.64	
		For 300 Lb. Rating Gasket Set, Add	*1.40*	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	58.69	
		For 300 Lb. Rating Gasket Set, Add	*2.29*	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	67.76	
		For 300 Lb. Rating Gasket Set, Add	*2.54*	
		For Work In Restricted Working Space, Add	*18.15*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	78.30	
		For 300 Lb. Rating Gasket Set, Add	*3.31*	
		For Work In Restricted Working Space, Add	*20.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	97.26	
		For 300 Lb. Rating Gasket Set, Add	*4.84*	
		For Work In Restricted Working Space, Add	*25.03*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	108.64	
		For 300 Lb. Rating Gasket Set, Add	*6.87*	
		For Work In Restricted Working Space, Add	*26.70*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	125.91	
		For 300 Lb. Rating Gasket Set, Add	*8.78*	
		For Work In Restricted Working Space, Add	*30.25*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	134.30	
		For 300 Lb. Rating Gasket Set, Add	*10.50*	
		For Work In Restricted Working Space, Add	*31.29*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	172.52	
		For 300 Lb. Rating Gasket Set, Add	*11.71*	
		For Work In Restricted Working Space, Add	*41.72*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	187.18	
		For 300 Lb. Rating Gasket Set, Add	*12.22*	
		For Work In Restricted Working Space, Add	*45.68*	
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	223.10	
		For 300 Lb. Rating Gasket Set, Add	*13.11*	
		For Work In Restricted Working Space, Add	*55.70*	

23 21 13 23-0784 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0785	EA	1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	26.16	
		For 300 Lb., Add	*0.40*	
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-0786	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	27.63	
		For 300 Lb., Add	*0.40*	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0787	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	29.77	
		For 300 Lb., Add	*0.41*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-0788	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	32.68	
		For 300 Lb., Add	*0.47*	
		For Work In Restricted Working Space, Add	*7.93*	
23 21 13 23-0789	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	35.60	
		For 300 Lb., Add	*0.48*	
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0790	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	38.67	
		For 300 Lb., Add	*0.50*	
		For Work In Restricted Working Space, Add	*9.60*	
23 21 13 23-0791	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	44.82	
		For 300 Lb., Add	*0.55*	
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0792	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	47.49	
		For 300 Lb., Add	*0.59*	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0793	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	62.18	
		For 300 Lb., Add	*0.75*	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0794	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	72.88	
		For 300 Lb., Add	*0.93*	
		For Work In Restricted Working Space, Add	*18.14*	
23 21 13 23-0795	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	82.61	
		For 300 Lb., Add	*1.03*	
		For Work In Restricted Working Space, Add	*20.66*	
23 21 13 23-0796	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	99.88	
		For 300 Lb., Add	*1.23*	
		For Work In Restricted Working Space, Add	*25.04*	
23 21 13 23-0797	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	111.66	
		For 300 Lb., Add	*1.70*	
		For Work In Restricted Working Space, Add	*26.70*	
23 21 13 23-0798	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	134.95	
		For 300 Lb., Add	*2.56*	
		For Work In Restricted Working Space, Add	*30.25*	

23 21 13 23-0799 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0800	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	21.92	
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-0801	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	24.01	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0802	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	26.36	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-0803	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	29.30	
		For Work In Restricted Working Space, Add	*7.93*	
23 21 13 23-0804	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	32.27	
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0805	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	36.01	
		For Work In Restricted Working Space, Add	*9.60*	
23 21 13 23-0806	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	42.98	
		For Work In Restricted Working Space, Add	*11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0807	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	45.36	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0808	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	61.41	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0809	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	71.52	
		For Work In Restricted Working Space, Add	*18.14*	
23 21 13 23-0810	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	81.14	
		For Work In Restricted Working Space, Add	*20.66*	
23 21 13 23-0811	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	104.14	
		For Work In Restricted Working Space, Add	*25.04*	
23 21 13 23-0812	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	119.03	
		For Work In Restricted Working Space, Add	*26.70*	
23 21 13 23-0813	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	137.95	
		For Work In Restricted Working Space, Add	*30.25*	
23 21 13 23-0814		**150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement** *(23 21 13 23-0393)*		
		Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0815	EA	1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	42.32	
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-0816	EA	3/4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	45.17	
		For Work In Restricted Working Space, Add	*6.68*	
23 21 13 23-0817	EA	1", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	48.75	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-0818	EA	1-1/4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	55.99	
		For Work In Restricted Working Space, Add	*7.93*	
23 21 13 23-0819	EA	1-1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	59.76	
		For Work In Restricted Working Space, Add	*8.76*	
23 21 13 23-0820	EA	2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	65.08	
		For Work In Restricted Working Space, Add	*9.60*	
23 21 13 23-0821	EA	2-1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	75.38	
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0822	EA	3", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	87.64	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0823	EA	4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	109.30	
		For Work In Restricted Working Space, Add	*15.65*	
23 21 13 23-0824	EA	5", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	131.68	
		For Work In Restricted Working Space, Add	*18.14*	
23 21 13 23-0825	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	179.18	
		For Work In Restricted Working Space, Add	*20.66*	
23 21 13 23-0826	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	192.43	
		For Work In Restricted Working Space, Add	*25.04*	
23 21 13 23-0827	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	223.06	
		For Work In Restricted Working Space, Add	*26.70*	
23 21 13 23-0828	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	303.28	
		For Work In Restricted Working Space, Add	*30.25*	
23 21 13 23-0829		**Cut And Prepare For Welding Existing In-Place Black Steel Pipe** *(23 21 13 23-0393)*		
		Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0830	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	15.07	
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-0831	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	16.28	
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0832	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	18.31	
		For Work In Restricted Working Space, Add	*5.49*	
23 21 13 23-0833	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.21	
		For Work In Restricted Working Space, Add	*5.76*	
23 21 13 23-0834	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.34	
		For Work In Restricted Working Space, Add	*6.10*	
23 21 13 23-0835	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.84	
		For Work In Restricted Working Space, Add	*6.55*	
23 21 13 23-0836	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.36	
		For Work In Restricted Working Space, Add	*7.01*	
23 21 13 23-0837	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.61	
		For Work In Restricted Working Space, Add	*7.68*	
23 21 13 23-0838	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.88	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0839	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.14	
		For Work In Restricted Working Space, Add	*9.04*	
23 21 13 23-0840	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.40	
		For Work In Restricted Working Space, Add	*9.72*	
23 21 13 23-0841	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.42	
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-0842	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.43	
		For Work In Restricted Working Space, Add	*11.53*	
23 21 13 23-0843	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.44	
		For Work In Restricted Working Space, Add	*12.43*	
23 21 13 23-0844	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.45	
		For Work In Restricted Working Space, Add	*13.34*	
23 21 13 23-0845	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	46.72	
		For Work In Restricted Working Space, Add	*14.02*	
23 21 13 23-0846	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	48.97	
		For Work In Restricted Working Space, Add	*14.69*	
23 21 13 23-0847	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.99	
		For Work In Restricted Working Space, Add	*15.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0848 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0849	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	18.99	7.76
		For Work In Restricted Working Space, Add	*3.81*	
23 21 13 23-0850	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.36	8.46
		For Work In Restricted Working Space, Add	*3.81*	
23 21 13 23-0851	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	24.37	8.32
		For Work In Restricted Working Space, Add	*3.74*	
23 21 13 23-0852	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	30.25	10.58
		For Work In Restricted Working Space, Add	*4.76*	
23 21 13 23-0853	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	51.35	15.66
		For Work In Restricted Working Space, Add	*7.04*	
23 21 13 23-0854	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	65.45	17.37
		For Work In Restricted Working Space, Add	*7.83*	
23 21 13 23-0855	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	90.92	21.63
		For Work In Restricted Working Space, Add	*9.73*	
23 21 13 23-0856	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	110.63	26.09
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-0857	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	140.51	33.84
		For Work In Restricted Working Space, Add	*15.23*	

23 21 13 23-0858 Welded Plain End Black Steel Half Coupling *(23 21 13 23-0393)*

Note: Threaded Female x Butt Weld Straight Adapter

23 21 13 23-0859	EA	1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	39.21	25.24
		For Schedule 80 Fittings, Add	*7.03*	
		For Work In Restricted Working Space, Add	*11.36*	
23 21 13 23-0860	EA	3/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	45.85	29.33
		For Schedule 80 Fittings, Add	*8.25*	
		For Work In Restricted Working Space, Add	*13.20*	
23 21 13 23-0861	EA	1", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	49.85	31.38
		For Schedule 80 Fittings, Add	*9.08*	
		For Work In Restricted Working Space, Add	*14.11*	
23 21 13 23-0862	EA	1-1/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	56.93	35.68
		For Schedule 80 Fittings, Add	*10.39*	
		For Work In Restricted Working Space, Add	*16.06*	
23 21 13 23-0863	EA	1-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	62.79	38.93
		For Schedule 80 Fittings, Add	*11.54*	
		For Work In Restricted Working Space, Add	*17.52*	
23 21 13 23-0864	EA	2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	81.41	50.35
		For Schedule 80 Fittings, Add	*14.99*	
		For Work In Restricted Working Space, Add	*22.64*	
23 21 13 23-0865	EA	2-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	114.66	65.86
		For Schedule 80 Fittings, Add	*22.06*	
		For Work In Restricted Working Space, Add	*29.62*	
23 21 13 23-0866	EA	3", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	133.39	72.42
		For Schedule 80 Fittings, Add	*26.45*	
		For Work In Restricted Working Space, Add	*32.56*	
23 21 13 23-0867	EA	4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	198.42	109.80
		For Schedule 80 Fittings, Add	*38.94*	
		For Work In Restricted Working Space, Add	*49.40*	
23 21 13 23-0868	EA	6", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	338.96	165.86
		For Schedule 80 Fittings, Add	*70.60*	
		For Work In Restricted Working Space, Add	*74.62*	
23 21 13 23-0869	EA	8", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	469.88	233.14
		For Schedule 80 Fittings, Add	*97.27*	
		For Work In Restricted Working Space, Add	*104.87*	

23 21 13 23-0870 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0871 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0870)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0872 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0873	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	288.49	32.44
		For Galvanized Fittings, Add	*191.90*	
		For Extra Heavy Weight Fittings, Add	*287.86*	
23 21 13 23-0874	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	321.77	36.11
		For Galvanized Fittings, Add	*214.08*	
		For Extra Heavy Weight Fittings, Add	*321.12*	
23 21 13 23-0875	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	320.10	39.86
		For Galvanized Fittings, Add	*208.30*	
		For Extra Heavy Weight Fittings, Add	*312.44*	
23 21 13 23-0876	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	405.76	46.32
		For Galvanized Fittings, Add	*269.05*	
		For Extra Heavy Weight Fittings, Add	*403.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0877	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	565.97	51.87
		For Galvanized Fittings, Add	*390.55*	
		For Extra Heavy Weight Fittings, Add	*585.83*	
23 21 13 23-0878	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	598.96	60.22
		For Galvanized Fittings, Add	*406.94*	
		For Extra Heavy Weight Fittings, Add	*610.42*	
23 21 13 23-0879	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	759.00	66.67
		For Galvanized Fittings, Add	*527.19*	
		For Extra Heavy Weight Fittings, Add	*790.79*	

23 21 13 23-0880 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0881	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	535.97	34.31
		For Galvanized Fittings, Add	*387.66*	
		For Extra Heavy Weight Fittings, Add	*581.50*	
23 21 13 23-0882	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	558.40	37.99
		For Galvanized Fittings, Add	*401.16*	
		For Extra Heavy Weight Fittings, Add	*601.74*	
23 21 13 23-0883	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	695.02	43.06
		For Galvanized Fittings, Add	*504.34*	
		For Extra Heavy Weight Fittings, Add	*756.52*	
23 21 13 23-0884	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	859.50	45.83
		For Galvanized Fittings, Add	*632.60*	
		For Extra Heavy Weight Fittings, Add	*948.90*	
23 21 13 23-0885	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	979.11	53.27
		For Galvanized Fittings, Add	*719.39*	
		For Extra Heavy Weight Fittings, Add	*1,079.09*	
23 21 13 23-0886	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,364.44	63.48
		For Galvanized Fittings, Add	*1,015.44*	
		For Extra Heavy Weight Fittings, Add	*1,523.16*	

23 21 13 23-0887 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0888	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	375.28	32.44
		For Galvanized Fittings, Add	*261.34*	
		For Extra Heavy Weight Fittings, Add	*392.00*	
23 21 13 23-0889	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	391.69	36.11
		For Galvanized Fittings, Add	*270.02*	
		For Extra Heavy Weight Fittings, Add	*405.02*	
23 21 13 23-0890	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	406.89	39.86
		For Galvanized Fittings, Add	*277.73*	
		For Extra Heavy Weight Fittings, Add	*416.59*	
23 21 13 23-0891	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	507.01	46.32
		For Galvanized Fittings, Add	*350.05*	
		For Extra Heavy Weight Fittings, Add	*525.07*	
23 21 13 23-0892	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	729.91	51.87
		For Galvanized Fittings, Add	*521.70*	
		For Extra Heavy Weight Fittings, Add	*782.56*	
23 21 13 23-0893	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	712.27	60.22
		For Galvanized Fittings, Add	*497.59*	
		For Extra Heavy Weight Fittings, Add	*746.39*	
23 21 13 23-0894	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	839.69	66.67
		For Galvanized Fittings, Add	*591.74*	
		For Extra Heavy Weight Fittings, Add	*887.62*	

23 21 13 23-0895 Flanged Steel, Tees *(23 21 13 23-0871)*

23 21 13 23-0896	EA	2" Standard Weight, Flanged Steel, Tee	370.66	48.61
		For Galvanized Fittings, Add	*238.19*	
		For Extra Heavy Weight Fittings, Add	*357.29*	
23 21 13 23-0897	EA	2-1/2" Standard Weight, Flanged Steel, Tee	477.83	54.17
		For Galvanized Fittings, Add	*317.26*	
		For Extra Heavy Weight Fittings, Add	*475.90*	
23 21 13 23-0898	EA	3" Standard Weight, Flanged Steel, Tee	436.76	59.73
		For Galvanized Fittings, Add	*277.74*	
		For Extra Heavy Weight Fittings, Add	*416.60*	
23 21 13 23-0899	EA	4" Standard Weight, Flanged Steel, Tee	622.48	69.52
		For Galvanized Fittings, Add	*414.65*	
		For Extra Heavy Weight Fittings, Add	*621.97*	
23 21 13 23-0900	EA	5" Standard Weight, Flanged Steel, Tee	922.34	77.85
		For Galvanized Fittings, Add	*644.53*	
		For Extra Heavy Weight Fittings, Add	*966.79*	
23 21 13 23-0901	EA	6" Standard Weight, Flanged Steel, Tee	1,125.22	90.35
		For Galvanized Fittings, Add	*791.84*	
		For Extra Heavy Weight Fittings, Add	*1,187.76*	
23 21 13 23-0902	EA	8" Standard Weight, Flanged Steel, Tee	1,246.31	104.65
		For Galvanized Fittings, Add	*871.48*	
		For Extra Heavy Weight Fittings, Add	*1,307.22*	

23 21 13 23-0903 Flanged Steel, Reducing Tees *(23 21 13 23-0871)*

23 21 13 23-0904	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	583.54	52.36
		For Galvanized Fittings, Add	*404.06*	
		For Extra Heavy Weight Fittings, Add	*606.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0905	EA	3" Standard Weight, Flanged Steel, Reducing Tee	673.85	57.92
		For Galvanized Fittings, Add	*469.63*	
		For Extra Heavy Weight Fittings, Add	*704.45*	
23 21 13 23-0906	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,156.37	66.26
		For Galvanized Fittings, Add	*845.66*	
		For Extra Heavy Weight Fittings, Add	*1,268.48*	
23 21 13 23-0907	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,250.27	75.08
		For Galvanized Fittings, Add	*910.21*	
		For Extra Heavy Weight Fittings, Add	*1,365.31*	
23 21 13 23-0908	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,570.88	86.18
		For Galvanized Fittings, Add	*1,153.37*	
		For Extra Heavy Weight Fittings, Add	*1,730.05*	
23 21 13 23-0909	EA	8" Standard Weight, Flanged Steel, Reducing Tee	1,960.50	96.81
		For Galvanized Fittings, Add	*1,452.28*	
		For Extra Heavy Weight Fittings, Add	*2,178.42*	

23 21 13 23-0910 Flanged Steel, Concentric Reducers *(23 21 13 23-0871)*

23 21 13 23-0911	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	551.17	37.99
		For Galvanized Fittings, Add	*395.38*	
		For Extra Heavy Weight Fittings, Add	*593.06*	
23 21 13 23-0912	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	626.31	43.06
		For Galvanized Fittings, Add	*449.38*	
		For Extra Heavy Weight Fittings, Add	*674.06*	
23 21 13 23-0913	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	928.25	49.10
		For Galvanized Fittings, Add	*683.71*	
		For Extra Heavy Weight Fittings, Add	*1,025.57*	
23 21 13 23-0914	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,023.71	53.27
		For Galvanized Fittings, Add	*755.07*	
		For Extra Heavy Weight Fittings, Add	*1,132.61*	
23 21 13 23-0915	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,199.30	63.48
		For Galvanized Fittings, Add	*883.33*	
		For Extra Heavy Weight Fittings, Add	*1,324.99*	

23 21 13 23-0916 Flanged Steel, Eccentric Reducers *(23 21 13 23-0871)*

23 21 13 23-0917	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	595.94	43.06
		For Galvanized Fittings, Add	*425.08*	
		For Extra Heavy Weight Fittings, Add	*637.62*	
23 21 13 23-0918	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	809.39	49.10
		For Galvanized Fittings, Add	*588.62*	
		For Extra Heavy Weight Fittings, Add	*882.94*	

23 21 13 23-0919 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0920 Plain End Piping System Couplings *(23 21 13 23-0919)*

23 21 13 23-0921 Plainlock Plain End Piping System Couplings *(23 21 13 23-0920)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0922	EA	1" Plainlock Plain End Piping System Coupling	171.18	4.17
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0923	EA	1-1/2" Plainlock Plain End Piping System Coupling	173.60	5.77
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0924	EA	2" Plainlock Plain End Piping System Coupling	176.41	7.64
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0925	EA	2-1/2" Plainlock Plain End Piping System Coupling	178.81	9.24
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0926	EA	3" Plainlock Plain End Piping System Coupling	211.30	11.11
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-0927	EA	4" Plainlock Plain End Piping System Coupling	291.89	14.79
		For Galvanized Fittings, Add	*53.93*	
23 21 13 23-0928	EA	6" Plainlock Plain End Piping System Coupling	491.48	24.10
		For Galvanized Fittings, Add	*91.07*	

23 21 13 23-0929 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0920)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0930	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	205.63	5.77
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0931	EA	2" Roust-A-Bout Plain End Piping System Coupling	208.44	7.64
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0932	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	210.85	9.31
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0933	EA	3" Roust-A-Bout Plain End Piping System Coupling	308.41	11.11
		For Galvanized Fittings, Add	*72.94*	
23 21 13 23-0934	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	357.09	12.99
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0935	EA	4" Roust-A-Bout Plain End Piping System Coupling	359.84	14.79
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0936	EA	5" Roust-A-Bout Plain End Piping System Coupling	510.15	18.54
		For Galvanized Fittings, Add	*120.59*	
23 21 13 23-0937	EA	6" Roust-A-Bout Plain End Piping System Coupling	625.25	24.10
		For Galvanized Fittings, Add	*147.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0938	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,087.75	28.75
		For Galvanized Fittings, Add	*261.16*	
23 21 13 23-0939	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,410.11	34.03
		For Galvanized Fittings, Add	*339.76*	
23 21 13 23-0940	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,765.76	40.28
		For Galvanized Fittings, Add	*426.34*	
23 21 13 23-0941	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,488.37	44.52
		For Galvanized Fittings, Add	*605.40*	
23 21 13 23-0942	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,391.65	50.35
		For Galvanized Fittings, Add	*829.04*	

23 21 13 23-0943 Plain End Piping System Fittings *(23 21 13 23-0919)*

Note: Cast ductile iron bodies.

23 21 13 23-0944 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0943)*

23 21 13 23-0945	EA	1" Plain End Piping System, 90 Degree Elbow	167.04	7.57
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	172.88	11.46
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0947	EA	2" Plain End Piping System, 90 Degree Elbow	178.38	15.14
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	183.34	18.47
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0949	EA	3" Plain End Piping System, 90 Degree Elbow	220.51	22.37
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0950	EA	4" Plain End Piping System, 90 Degree Elbow	316.87	29.45
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0951	EA	5" Plain End Piping System, 90 Degree Elbow	999.22	36.88
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0952	EA	6" Plain End Piping System, 90 Degree Elbow	822.93	48.26
		For Galvanized Fittings, Add	*150.12*	
23 21 13 23-0953	EA	8" Plain End Piping System, 90 Degree Elbow	1,671.24	57.30
		For Galvanized Fittings, Add	*317.06*	
23 21 13 23-0954	EA	10" Plain End Piping System, 90 Degree Elbow	2,092.83	66.95
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-0955	EA	12" Plain End Piping System, 90 Degree Elbow	2,657.44	80.43
		For Galvanized Fittings, Add	*507.37*	

23 21 13 23-0956 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0943)*

23 21 13 23-0957	EA	1" Plain End Piping System, 45 Degree Elbow	167.04	7.57
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	172.88	11.46
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0959	EA	2" Plain End Piping System, 45 Degree Elbow	178.38	15.14
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	183.34	18.47
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0961	EA	3" Plain End Piping System, 45 Degree Elbow	220.51	22.37
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0962	EA	4" Plain End Piping System, 45 Degree Elbow	316.87	29.45
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0963	EA	5" Plain End Piping System, 45 Degree Elbow	999.22	36.88
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0964	EA	6" Plain End Piping System, 45 Degree Elbow	825.81	48.26
		For Galvanized Fittings, Add	*150.69*	
23 21 13 23-0965	EA	8" Plain End Piping System, 45 Degree Elbow	957.02	57.30
		For Galvanized Fittings, Add	*174.21*	
23 21 13 23-0966	EA	10" Plain End Piping System, 45 Degree Elbow	1,315.99	66.95
		For Galvanized Fittings, Add	*243.13*	
23 21 13 23-0967	EA	12" Plain End Piping System, 45 Degree Elbow	1,691.00	80.43
		For Galvanized Fittings, Add	*314.09*	

23 21 13 23-0968 Plain End Piping System, Tees *(23 21 13 23-0943)*

23 21 13 23-0969	EA	1" Plain End Piping System, Tee	226.84	11.46
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0970	EA	1-1/2" Plain End Piping System, Tee	235.44	17.22
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0971	EA	2" Plain End Piping System, Tee	243.04	22.30
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0972	EA	2-1/2" Plain End Piping System, Tee	250.60	27.29
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0973	EA	3" Plain End Piping System, Tee	352.04	33.55
		For Galvanized Fittings, Add	*60.34*	
23 21 13 23-0974	EA	4" Plain End Piping System, Tee	484.62	43.40
		For Galvanized Fittings, Add	*83.92*	
23 21 13 23-0975	EA	5" Plain End Piping System, Tee	1,006.81	56.74
		For Galvanized Fittings, Add	*184.34*	
23 21 13 23-0976	EA	6" Plain End Piping System, Tee	1,244.09	71.05
		For Galvanized Fittings, Add	*227.51*	
23 21 13 23-0977	EA	8" Plain End Piping System, Tee	1,705.76	86.40
		For Galvanized Fittings, Add	*315.24*	
23 21 13 23-0978	EA	10" Plain End Piping System, Tee	2,557.98	100.70
		For Galvanized Fittings, Add	*481.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0979	EA	12" Plain End Piping System, Tee	3,437.01	120.63
		For Galvanized Fittings, Add	*651.23*	

23 21 13 23-0980 Plain End Piping System, Reducing Tees *(23 21 13 23-0943)*

23 21 13 23-0981	EA	1-1/2" Plain End Piping System, Reducing Tee	442.08	18.47
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0982	EA	2" Plain End Piping System, Reducing Tee	447.79	22.30
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0983	EA	2-1/2" Plain End Piping System, Reducing Tee	455.35	27.29
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0984	EA	3" Plain End Piping System, Reducing Tee	464.73	33.55
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0985	EA	4" Plain End Piping System, Reducing Tee	676.81	43.40
		For Galvanized Fittings, Add	*122.36*	
23 21 13 23-0986	EA	6" Plain End Piping System, Reducing Tee	1,145.39	71.05
		For Galvanized Fittings, Add	*207.77*	
23 21 13 23-0987	EA	8" Plain End Piping System, Reducing Tee	1,497.70	86.40
		For Galvanized Fittings, Add	*273.63*	
23 21 13 23-0988	EA	10" Plain End Piping System, Reducing Tee	2,260.17	100.70
		For Galvanized Fittings, Add	*421.84*	
23 21 13 23-0989	EA	12" Plain End Piping System, Reducing Tee	3,351.79	120.63
		For Galvanized Fittings, Add	*634.19*	

23 21 13 23-0990 Plain End Piping System, Wyes *(23 21 13 23-0943)*

23 21 13 23-0991	EA	2" Plain End Piping System, Wye	647.48	22.30
		For Galvanized Fittings, Add	*122.82*	
23 21 13 23-0992	EA	2-1/2" Plain End Piping System, Wye	655.04	27.29
		For Galvanized Fittings, Add	*122.82*	
23 21 13 23-0993	EA	3" Plain End Piping System, Wye	740.60	33.55
		For Galvanized Fittings, Add	*138.05*	
23 21 13 23-0994	EA	4" Plain End Piping System, Wye	1,089.62	43.40
		For Galvanized Fittings, Add	*204.92*	
23 21 13 23-0995	EA	5" Plain End Piping System, Wye	1,331.89	56.74
		For Galvanized Fittings, Add	*249.36*	
23 21 13 23-0996	EA	6" Plain End Piping System, Wye	1,823.40	71.05
		For Galvanized Fittings, Add	*343.38*	
23 21 13 23-0997	EA	8" Plain End Piping System, Wye	2,353.04	86.40
		For Galvanized Fittings, Add	*444.70*	
23 21 13 23-0998	EA	10" Plain End Piping System, Wye	3,429.77	100.70
		For Galvanized Fittings, Add	*655.76*	
23 21 13 23-0999	EA	12" Plain End Piping System, Wye	5,235.41	120.63
		For Galvanized Fittings, Add	*1,010.91*	

23 21 13 23-1000 Plain End Piping System, Laterals *(23 21 13 23-0943)*

23 21 13 23-1001	EA	2" Plain End Piping System, Lateral	690.91	22.30
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-1002	EA	2-1/2" Plain End Piping System, Lateral	698.47	27.29
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-1003	EA	3" Plain End Piping System, Lateral	783.75	33.55
		For Galvanized Fittings, Add	*146.68*	
23 21 13 23-1004	EA	4" Plain End Piping System, Lateral	1,172.01	43.40
		For Galvanized Fittings, Add	*221.40*	
23 21 13 23-1005	EA	5" Plain End Piping System, Lateral	1,528.12	56.74
		For Galvanized Fittings, Add	*288.60*	
23 21 13 23-1006	EA	6" Plain End Piping System, Lateral	1,949.65	71.05
		For Galvanized Fittings, Add	*368.63*	
23 21 13 23-1007	EA	8" Plain End Piping System, Lateral	2,816.78	86.40
		For Galvanized Fittings, Add	*537.44*	
23 21 13 23-1008	EA	10" Plain End Piping System, Lateral	3,944.30	100.70
		For Galvanized Fittings, Add	*758.67*	
23 21 13 23-1009	EA	12" Plain End Piping System, Lateral	5,311.89	120.63
		For Galvanized Fittings, Add	*1,026.21*	

23 21 13 23-1010 Plain End Piping System, Crosses *(23 21 13 23-0943)*

23 21 13 23-1011	EA	2" Plain End Piping System, Cross	763.97	33.40
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Cross	775.29	40.91
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-1013	EA	3" Plain End Piping System, Cross	903.55	50.35
		For Galvanized Fittings, Add	*103.51*	
23 21 13 23-1014	EA	4" Plain End Piping System, Cross	1,235.11	65.08
		For Galvanized Fittings, Add	*142.20*	
23 21 13 23-1015	EA	5" Plain End Piping System, Cross	1,743.40	85.15
		For Galvanized Fittings, Add	*201.97*	
23 21 13 23-1016	EA	6" Plain End Piping System, Cross	2,292.73	106.25
		For Galvanized Fittings, Add	*266.68*	
23 21 13 23-1017	EA	8" Plain End Piping System, Cross	2,929.91	128.69
		For Galvanized Fittings, Add	*342.13*	
23 21 13 23-1018	EA	10" Plain End Piping System, Cross	4,218.94	150.43
		For Galvanized Fittings, Add	*499.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1019	EA	12" Plain End Piping System, Cross	6,029.53	180.98
		For Galvanized Fittings, Add	*719.78*	

23 21 13 23-1020 Plain End Piping System, Adapter Nipples *(23 21 13 23-0943)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-1021	EA	1" Plain End Piping System, Adapter Nipple	38.92	4.17
		For Galvanized Fittings, Add	*8.17*	
23 21 13 23-1022	EA	1-1/2" Plain End Piping System, Adapter Nipple	42.24	5.77
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-1023	EA	2" Plain End Piping System, Adapter Nipple	44.98	7.64
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-1024	EA	2-1/2" Plain End Piping System, Adapter Nipple	53.21	9.24
		For Galvanized Fittings, Add	*9.83*	
23 21 13 23-1025	EA	3" Plain End Piping System, Adapter Nipple	65.26	11.11
		For Galvanized Fittings, Add	*12.15*	
23 21 13 23-1026	EA	4" Plain End Piping System, Adapter Nipple	103.47	14.79
		For Galvanized Fittings, Add	*20.31*	
23 21 13 23-1027	EA	6" Plain End Piping System, Adapter Nipple	247.50	18.54
		For Galvanized Fittings, Add	*54.93*	

23 21 13 23-1028 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0943)*

23 21 13 23-1029	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	124.70	9.93
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1030	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	127.49	11.81
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1031	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	130.30	13.68
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1032	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	129.61	13.26
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1033	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	132.35	15.07
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1034	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	135.12	16.87
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1035	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	156.57	15.28
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1036	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	159.04	16.87
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1037	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	130.96	18.75
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-1038	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	136.33	22.37
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-1039	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	159.05	24.10
		For Galvanized Fittings, Add	*30.74*	
23 21 13 23-1040	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	216.45	18.96
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-1041	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	218.88	20.63
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-1042	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	176.06	22.50
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1043	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	178.45	24.10
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1044	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	181.28	25.98
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1045	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	183.98	27.78
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1046	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	562.77	26.18
		For Galvanized Fittings, Add	*130.87*	
23 21 13 23-1047	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	448.47	29.59
		For Galvanized Fittings, Add	*101.02*	
23 21 13 23-1048	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	382.53	33.40
		For Galvanized Fittings, Add	*83.13*	
23 21 13 23-1049	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,039.80	28.27
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1050	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,042.20	29.86
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1051	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	785.33	31.74
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1052	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	787.79	33.40
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1053	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	530.90	35.21
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1054	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	533.42	36.88
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1055	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	420.87	38.90
		For Galvanized Fittings, Add	*90.65*	
23 21 13 23-1056	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	479.60	42.57
		For Galvanized Fittings, Add	*103.94*	
23 21 13 23-1057	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	636.29	39.79
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1058	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	641.89	43.54
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1059	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	726.84	47.30
		For Galvanized Fittings, Add	*164.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1060	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	814.58	52.85
		For Galvanized Fittings, Add	*183.83*	
23 21 13 23-1061		**Plain End Piping System, Bull Plugs** *(23 21 13 23-0943)*		
23 21 13 23-1062	EA	1" Plain End Piping System, Bull Plug	344.75	4.17
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1063	EA	1-1/2" Plain End Piping System, Bull Plug	347.18	5.77
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1064	EA	2" Plain End Piping System, Bull Plug	349.92	7.64
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1065	EA	2-1/2" Plain End Piping System, Bull Plug	352.38	9.24
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1066	EA	3" Plain End Piping System, Bull Plug	512.87	11.11
		For Galvanized Fittings, Add	*148.86*	
23 21 13 23-1067	EA	4" Plain End Piping System, Bull Plug	663.15	14.79
		For Galvanized Fittings, Add	*192.28*	
23 21 13 23-1068	EA	5" Plain End Piping System, Bull Plug	1,160.44	18.54
		For Galvanized Fittings, Add	*339.80*	
23 21 13 23-1069	EA	6" Plain End Piping System, Bull Plug	1,546.81	24.10
		For Galvanized Fittings, Add	*453.21*	
23 21 13 23-1070	EA	8" Plain End Piping System, Bull Plug	2,883.22	28.68
		For Galvanized Fittings, Add	*852.05*	
23 21 13 23-1071	EA	10" Plain End Piping System, Bull Plug	5,206.17	33.55
		For Galvanized Fittings, Add	*1,546.75*	
23 21 13 23-1072	EA	12" Plain End Piping System, Bull Plug	7,989.18	40.28
		For Galvanized Fittings, Add	*2,378.63*	
23 21 13 23-1073		**Carbon Steel Piping Systems** *(23 21 13 23)*		
23 21 13 23-1074		**Class 3,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1073)*		
		Note: ASTM A105.		
23 21 13 23-1075		**90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1076	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	46.06	20.89
23 21 13 23-1077	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	51.66	23.39
23 21 13 23-1078	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	61.24	26.12
23 21 13 23-1079	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	75.92	29.57
23 21 13 23-1080	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	86.20	33.34
23 21 13 23-1081	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	113.38	42.36
23 21 13 23-1082	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	198.13	62.68
23 21 13 23-1083	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	273.55	82.48
23 21 13 23-1084	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	413.46	91.42
23 21 13 23-1085		**45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1086	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	47.94	20.89
23 21 13 23-1087	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	54.51	23.39
23 21 13 23-1088	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	62.11	26.12
23 21 13 23-1089	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	77.03	29.57
23 21 13 23-1090	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	88.86	33.34
23 21 13 23-1091	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	113.32	42.36
23 21 13 23-1092	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	214.38	62.68
23 21 13 23-1093	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	287.31	82.48
23 21 13 23-1094	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	407.51	91.42
23 21 13 23-1095		**Straight Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1096	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	57.09	26.12
23 21 13 23-1097	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	67.29	30.14
23 21 13 23-1098	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	83.63	35.61
23 21 13 23-1099	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	104.92	42.36
23 21 13 23-1100	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	126.17	50.55
23 21 13 23-1101	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	161.77	62.68
23 21 13 23-1102	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	252.57	82.48
23 21 13 23-1103	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	327.45	97.94
23 21 13 23-1104	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	540.02	115.47
23 21 13 23-1105		**Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1106	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	57.61	26.12
23 21 13 23-1107	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	67.82	30.14
23 21 13 23-1108	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	84.27	35.61
23 21 13 23-1109	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	106.43	42.36
23 21 13 23-1110	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	127.94	50.55
23 21 13 23-1111	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	164.48	62.68
23 21 13 23-1112	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	259.03	82.48
23 21 13 23-1113	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	336.75	97.94
23 21 13 23-1114	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	506.91	115.47
23 21 13 23-1115		**Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1116	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	43.74	20.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1117	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	49.09	23.39
23 21 13 23-1118	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	55.78	26.12
23 21 13 23-1119	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	63.61	29.57
23 21 13 23-1120	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	72.69	33.34
23 21 13 23-1121	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	93.48	42.36
23 21 13 23-1122	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	147.45	62.68
23 21 13 23-1123	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	195.40	82.48
23 21 13 23-1124	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	243.58	91.42
23 21 13 23-1125		**Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1126	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	44.79	20.89
23 21 13 23-1127	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	50.24	23.39
23 21 13 23-1128	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	57.63	26.12
23 21 13 23-1129	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	65.83	29.57
23 21 13 23-1130	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	75.99	33.34
23 21 13 23-1131	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	97.01	42.36
23 21 13 23-1132	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	155.23	62.68
23 21 13 23-1133	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	211.05	82.48
23 21 13 23-1134	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	276.10	91.42
23 21 13 23-1135		**Half Coupling, Threaded Female x Butt Weld Straight Adapter, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1136	EA	1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	39.94	25.24
23 21 13 23-1137	EA	3/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	47.01	29.33
23 21 13 23-1138	EA	1", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	51.15	31.38
23 21 13 23-1139	EA	1-1/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	60.95	35.68
23 21 13 23-1140	EA	1-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	68.27	38.93
23 21 13 23-1141	EA	2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	88.74	50.35
23 21 13 23-1142	EA	2-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	125.96	65.86
23 21 13 23-1143	EA	3", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	162.67	72.42
23 21 13 23-1144	EA	4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	259.24	109.80
23 21 13 23-1145		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1146	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	22.67	9.79
23 21 13 23-1147	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	24.93	10.45
23 21 13 23-1148	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Cap	29.00	12.05
23 21 13 23-1149	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	32.50	13.06
23 21 13 23-1150	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	34.84	13.06
23 21 13 23-1151	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	45.08	16.85
23 21 13 23-1152	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	68.59	20.89
23 21 13 23-1153	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Cap	92.77	25.27
23 21 13 23-1154	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	128.51	31.35
23 21 13 23-1155		**Black Cast Iron Square Head Plug** *(23 21 13 23-1074)*		
23 21 13 23-1156	EA	1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	17.33	8.33
23 21 13 23-1157	EA	3/4", 3,000 Lb., Black Cast Iron, Square Head Plug	18.33	8.33
23 21 13 23-1158	EA	1", 3,000 Lb., Black Cast Iron, Square Head Plug	27.13	12.64
23 21 13 23-1159	EA	1-1/4", 3,000 Lb., Black Cast Iron, Square Head Plug	27.33	12.64
23 21 13 23-1160	EA	1-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	28.16	12.64
23 21 13 23-1161	EA	2", 3,000 Lb., Black Cast Iron, Square Head Plug	37.44	16.85
23 21 13 23-1162	EA	2-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	47.22	20.89
23 21 13 23-1163	EA	3", 3,000 Lb., Black Cast Iron, Square Head Plug	59.27	25.27
23 21 13 23-1164	EA	4", 3,000 Lb., Black Cast Iron, Square Head Plug	72.91	31.35
23 21 13 23-1165		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1166	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	63.17	26.12
23 21 13 23-1167	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	71.50	30.14
23 21 13 23-1168	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Union	87.63	35.61
23 21 13 23-1169	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	107.33	42.36
23 21 13 23-1170	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	128.72	50.55
23 21 13 23-1171	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Union	160.28	62.68
23 21 13 23-1172	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	225.65	68.14
23 21 13 23-1173	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Union	291.64	82.48
23 21 13 23-1174		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1073)* Note: ASTM A105.		
23 21 13 23-1175		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1176	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	48.33	20.89
23 21 13 23-1177	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	54.25	23.39
23 21 13 23-1178	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	66.02	26.12
23 21 13 23-1179	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	84.83	29.57
23 21 13 23-1180	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	96.57	33.34
23 21 13 23-1181	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	128.61	42.36
23 21 13 23-1182	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	236.77	62.68
23 21 13 23-1183	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	331.23	82.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1184	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	535.95	91.42
23 21 13 23-1185		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1186	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	51.43	20.89
23 21 13 23-1187	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	58.88	23.39
23 21 13 23-1188	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	67.71	26.12
23 21 13 23-1189	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	87.16	29.57
23 21 13 23-1190	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	101.42	33.34
23 21 13 23-1191	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	129.53	42.36
23 21 13 23-1192	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	264.78	62.68
23 21 13 23-1193	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	356.58	82.48
23 21 13 23-1194	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	534.72	91.42
23 21 13 23-1195		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1196	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	61.59	26.12
23 21 13 23-1197	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	73.78	30.14
23 21 13 23-1198	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	95.12	35.61
23 21 13 23-1199	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	123.65	42.36
23 21 13 23-1200	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	149.39	50.55
23 21 13 23-1201	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	195.47	62.68
23 21 13 23-1202	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	333.72	82.48
23 21 13 23-1203	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	449.30	97.94
23 21 13 23-1204	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	826.30	115.47
23 21 13 23-1205		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1206	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	57.61	26.12
23 21 13 23-1207	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	67.82	30.14
23 21 13 23-1208	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	84.27	35.61
23 21 13 23-1209	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	106.43	42.36
23 21 13 23-1210	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	127.94	50.55
23 21 13 23-1211	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	164.48	62.68
23 21 13 23-1212	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	259.03	82.48
23 21 13 23-1213	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	336.75	97.94
23 21 13 23-1214	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	506.91	115.47
23 21 13 23-1215		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1216	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	44.68	20.89
23 21 13 23-1217	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	50.21	23.39
23 21 13 23-1218	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	57.50	26.12
23 21 13 23-1219	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	65.77	29.57
23 21 13 23-1220	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	75.59	33.34
23 21 13 23-1221	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	97.73	42.36
23 21 13 23-1222	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 6,000 Lb.	158.13	62.68
23 21 13 23-1223	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	210.13	82.48
23 21 13 23-1224	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	272.95	91.42
23 21 13 23-1225		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1226	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	46.23	20.89
23 21 13 23-1227	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	51.91	23.39
23 21 13 23-1228	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	60.21	26.12
23 21 13 23-1229	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	69.05	29.57
23 21 13 23-1230	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	80.46	33.34
23 21 13 23-1231	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	102.92	42.36
23 21 13 23-1232	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	169.56	62.68
23 21 13 23-1233	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	233.17	82.48
23 21 13 23-1234	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	320.87	91.42
23 21 13 23-1235		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1236	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	24.74	9.79
23 21 13 23-1237	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	27.64	10.45
23 21 13 23-1238	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Cap	32.29	12.05
23 21 13 23-1239	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	36.78	13.06
23 21 13 23-1240	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	40.69	13.06
23 21 13 23-1241	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	52.72	16.85
23 21 13 23-1242	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	86.58	20.89
23 21 13 23-1243	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Cap	121.11	25.27
23 21 13 23-1244	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	172.69	31.35
23 21 13 23-1245		**Black Cast Iron Square Head Plug** *(23 21 13 23-1174)*		
23 21 13 23-1246	EA	1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	17.33	8.33
23 21 13 23-1247	EA	3/4", 6,000 Lb., Black Cast Iron, Square Head Plug	18.34	8.33
23 21 13 23-1248	EA	1", 6,000 Lb., Black Cast Iron, Square Head Plug	27.14	12.64
23 21 13 23-1249	EA	1-1/4", 6,000 Lb., Black Cast Iron, Square Head Plug	27.34	12.64
23 21 13 23-1250	EA	1-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	28.17	12.64
23 21 13 23-1251	EA	2", 6,000 Lb., Black Cast Iron, Square Head Plug	37.46	16.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1252	EA	2-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	47.25	20.89
23 21 13 23-1253	EA	3", 6,000 Lb., Black Cast Iron, Square Head Plug	59.31	25.27
23 21 13 23-1254	EA	4", 6,000 Lb., Black Cast Iron, Square Head Plug	72.96	31.35
23 21 13 23-1255		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1256	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	69.86	26.12
23 21 13 23-1257	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	78.36	30.14
23 21 13 23-1258	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Union	97.66	35.61
23 21 13 23-1259	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	121.17	42.36
23 21 13 23-1260	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	145.61	50.55
23 21 13 23-1261	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Union	181.62	62.68
23 21 13 23-1262	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	280.31	68.14
23 21 13 23-1263	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Union	369.11	82.48
23 21 13 23-1264		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1073)* Note: ASTM A106. Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1265		**Schedule 40, Threaded, (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-1264)* Note: Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1266	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.36	1.74
		For Schedule 80, Add	*3.55*	
23 21 13 23-1267	LF	3/8" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.89	2.71
		For Schedule 80, Add	*3.55*	
23 21 13 23-1268	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.50	2.78
		For Schedule 80, Add	*2.98*	
		For Schedule 160, Add	*12.42*	
23 21 13 23-1269	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	14.22	2.99
		For Schedule 80, Add	*3.51*	
		For Schedule 160, Add	*14.61*	
23 21 13 23-1270	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.50	3.27
		For Schedule 80, Add	*4.55*	
		For Schedule 160, Add	*18.96*	
23 21 13 23-1271	LF	1-1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.51	3.41
		For Schedule 80, Add	*4.81*	
23 21 13 23-1272	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	23.89	4.03
		For Schedule 80, Add	*6.42*	
		For Schedule 160, Add	*26.76*	
23 21 13 23-1273	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	29.39	4.87
		For Schedule 80, Add	*7.95*	
		For Schedule 160, Add	*33.11*	
23 21 13 23-1274	LF	2-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	29.89	5.77
		For Schedule 80, Add	*7.63*	
23 21 13 23-1275		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1276	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	18.54	10.54
23 21 13 23-1277	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	20.38	11.48
23 21 13 23-1278	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	22.25	12.36
23 21 13 23-1279	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	24.86	13.84
23 21 13 23-1280	EA	1", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	28.35	15.45
23 21 13 23-1281	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	35.62	17.59
23 21 13 23-1282	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	42.94	19.73
23 21 13 23-1283	EA	2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	54.44	25.06
23 21 13 23-1284	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	93.16	37.13
23 21 13 23-1285	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	19.39	10.54
23 21 13 23-1286	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	20.97	11.48
23 21 13 23-1287	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	22.57	12.36
23 21 13 23-1288	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	25.92	13.84
23 21 13 23-1289	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	30.66	15.45
23 21 13 23-1290	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	39.52	17.59
23 21 13 23-1291	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	48.45	19.73
23 21 13 23-1292	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	60.53	25.06
23 21 13 23-1293	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	106.72	37.13
23 21 13 23-1294	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	25.57	12.36
23 21 13 23-1295	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	29.70	13.84
23 21 13 23-1296	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	34.63	15.45
23 21 13 23-1297	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	47.08	17.59
23 21 13 23-1298	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	59.60	19.73
23 21 13 23-1299	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	90.11	25.06
23 21 13 23-1300	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	172.61	37.13
23 21 13 23-1301		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1302	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	20.38	10.66
23 21 13 23-1303	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	21.56	11.48
23 21 13 23-1304	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	22.99	12.36
23 21 13 23-1305	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	25.76	13.84
23 21 13 23-1306	EA	1", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	29.03	15.45
23 21 13 23-1307	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	34.85	17.59
23 21 13 23-1308	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	40.74	19.73
23 21 13 23-1309	EA	2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	57.83	25.06
23 21 13 23-1310	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	100.72	37.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1311	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	20.52	10.66
23 21 13 23-1312	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	22.02	11.48
23 21 13 23-1313	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	23.72	12.36
23 21 13 23-1314	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	26.66	13.84
23 21 13 23-1315	EA	1", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	31.39	15.45
23 21 13 23-1316	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	39.47	17.59
23 21 13 23-1317	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	47.60	19.73
23 21 13 23-1318	EA	2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	62.43	25.06
23 21 13 23-1319	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	110.95	37.13
23 21 13 23-1320	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	27.64	12.36
23 21 13 23-1321	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	33.44	13.84
23 21 13 23-1322	EA	1", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	36.03	15.45
23 21 13 23-1323	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	51.77	17.59
23 21 13 23-1324	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	67.56	19.73
23 21 13 23-1325	EA	2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	90.63	25.06
23 21 13 23-1326	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	173.78	37.13
23 21 13 23-1327		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1328	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	21.28	10.54
23 21 13 23-1329	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	22.83	11.48
23 21 13 23-1330	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	24.40	12.36
23 21 13 23-1331	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	28.28	13.84
23 21 13 23-1332	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	32.80	15.45
23 21 13 23-1333	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	41.47	17.59
23 21 13 23-1334	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	50.18	19.73
23 21 13 23-1335	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	67.00	25.06
23 21 13 23-1336	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	121.13	37.13
23 21 13 23-1337	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	32.24	12.36
23 21 13 23-1338	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	44.22	13.84
23 21 13 23-1339	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	59.47	15.45
23 21 13 23-1340	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	91.48	17.59
23 21 13 23-1341	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	123.53	19.73
23 21 13 23-1342	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	185.20	25.03
23 21 13 23-1343	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	384.35	37.13
23 21 13 23-1344		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1345	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	24.65	13.91
23 21 13 23-1346	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Tee	26.34	14.68
23 21 13 23-1347	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	27.97	15.45
23 21 13 23-1348	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	33.27	17.83
23 21 13 23-1349	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Tee	40.54	21.07
23 21 13 23-1350	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	52.09	25.52
23 21 13 23-1351	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	63.64	29.91
23 21 13 23-1352	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	78.91	37.09
23 21 13 23-1353	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	125.07	48.81
23 21 13 23-1354	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	25.39	13.91
23 21 13 23-1355	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Tee	26.94	14.68
23 21 13 23-1356	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	28.45	15.45
23 21 13 23-1357	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	34.87	17.83
23 21 13 23-1358	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Tee	41.91	21.07
23 21 13 23-1359	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	55.14	25.52
23 21 13 23-1360	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	68.37	29.91
23 21 13 23-1361	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	86.74	37.09
23 21 13 23-1362	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	142.51	48.81
23 21 13 23-1363	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	32.04	15.45
23 21 13 23-1364	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	38.73	17.83
23 21 13 23-1365	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Tee	51.47	21.07
23 21 13 23-1366	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	65.35	25.52
23 21 13 23-1367	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	79.23	29.91
23 21 13 23-1368	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	121.37	37.09
23 21 13 23-1369	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	219.65	48.81
23 21 13 23-1370		**Screwed Carbon Steel Laterals** *(23 21 13 23-1264)*		
23 21 13 23-1371	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	77.16	15.45
23 21 13 23-1372	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	92.46	17.83
23 21 13 23-1373	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	112.82	21.07
23 21 13 23-1374	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	129.55	25.52
23 21 13 23-1375	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	146.26	29.91
23 21 13 23-1376	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	182.38	37.09
23 21 13 23-1377	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	355.57	48.81
23 21 13 23-1378	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	95.47	15.45
23 21 13 23-1379	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	119.69	17.83
23 21 13 23-1380	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	141.93	21.07
23 21 13 23-1381	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	170.87	25.52
23 21 13 23-1382	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	199.78	29.91
23 21 13 23-1383	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	255.96	37.13
23 21 13 23-1384	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	519.48	48.81
23 21 13 23-1385		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1264)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1386	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cross	36.17	18.53
23 21 13 23-1387	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cross	39.28	19.68
23 21 13 23-1388	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cross	42.41	20.88
23 21 13 23-1389	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cross	45.49	22.23
23 21 13 23-1390	EA	1", 2,000 Lb., Screwed Carbon Steel, Cross	56.07	26.87
23 21 13 23-1391	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cross	75.23	32.19
23 21 13 23-1392	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	94.39	37.56
23 21 13 23-1393	EA	2", 2,000 Lb., Screwed Carbon Steel, Cross	121.12	46.36
23 21 13 23-1394	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	216.90	68.07
23 21 13 23-1395	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cross	43.31	20.88
23 21 13 23-1396	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cross	50.67	22.23
23 21 13 23-1397	EA	1", 3,000 Lb., Screwed Carbon Steel, Cross	60.60	26.86
23 21 13 23-1398	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cross	80.76	32.19
23 21 13 23-1399	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	100.91	37.56
23 21 13 23-1400	EA	2", 3,000 Lb., Screwed Carbon Steel, Cross	133.04	46.36
23 21 13 23-1401	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	243.45	68.07
23 21 13 23-1402	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cross	60.16	20.88
23 21 13 23-1403	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cross	96.65	22.23
23 21 13 23-1404	EA	1", 6,000 Lb., Screwed Carbon Steel, Cross	131.45	26.86
23 21 13 23-1405	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cross	168.87	32.19
23 21 13 23-1406	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	206.27	37.56
23 21 13 23-1407	EA	2", 6,000 Lb., Screwed Carbon Steel, Cross	227.77	46.36
23 21 13 23-1408	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	454.48	68.07
23 21 13 23-1409		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1410	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	17.48	10.66
23 21 13 23-1411	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	18.73	11.54
23 21 13 23-1412	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	20.04	12.36
23 21 13 23-1413	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	22.82	13.84
23 21 13 23-1414	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	26.28	15.45
23 21 13 23-1415	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	31.80	17.59
23 21 13 23-1416	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	37.38	19.73
23 21 13 23-1417	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	47.45	25.06
23 21 13 23-1418	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	77.60	37.13
23 21 13 23-1419	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	18.59	10.66
23 21 13 23-1420	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	19.66	11.54
23 21 13 23-1421	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	20.79	12.36
23 21 13 23-1422	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	23.49	13.84
23 21 13 23-1423	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	27.20	15.45
23 21 13 23-1424	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	33.13	17.59
23 21 13 23-1425	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	39.09	19.73
23 21 13 23-1426	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	51.87	25.06
23 21 13 23-1427	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	87.45	37.13
23 21 13 23-1428	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	19.64	10.66
23 21 13 23-1429	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	20.49	11.54
23 21 13 23-1430	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	21.41	12.36
23 21 13 23-1431	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	23.87	13.84
23 21 13 23-1432	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	27.67	15.45
23 21 13 23-1433	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	33.57	17.59
23 21 13 23-1434	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	39.52	19.73
23 21 13 23-1435	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	55.26	25.06
23 21 13 23-1436	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	94.99	37.13
23 21 13 23-1437		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1438	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	19.03	11.54
23 21 13 23-1439	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	20.75	12.36
23 21 13 23-1440	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	23.90	13.84
23 21 13 23-1441	EA	1", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	27.78	15.45
23 21 13 23-1442	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	32.75	17.59
23 21 13 23-1443	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	37.77	19.73
23 21 13 23-1444	EA	2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	49.56	25.06
23 21 13 23-1445	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	82.28	37.13
23 21 13 23-1446	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	19.24	11.54
23 21 13 23-1447	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	24.02	12.36
23 21 13 23-1448	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	27.15	13.84
23 21 13 23-1449	EA	1", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	31.66	15.45
23 21 13 23-1450	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	37.64	17.59
23 21 13 23-1451	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	43.66	19.73
23 21 13 23-1452	EA	2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	58.42	25.06
23 21 13 23-1453	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	102.03	37.13
23 21 13 23-1454	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	46.74	11.54
23 21 13 23-1455	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	48.40	12.36
23 21 13 23-1456	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	50.61	13.84
23 21 13 23-1457	EA	1", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	58.91	15.45
23 21 13 23-1458	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	71.34	17.59
23 21 13 23-1459	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	83.83	19.73
23 21 13 23-1460	EA	2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	119.27	25.06
23 21 13 23-1461	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	237.57	37.13
23 21 13 23-1462		**Caps, Screwed Carbon Steel** *(23 21 13 23-1264)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1463	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cap	8.38	4.75
23 21 13 23-1464	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cap	9.04	5.14
23 21 13 23-1465	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cap	9.72	5.56
23 21 13 23-1466	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cap	11.27	6.22
23 21 13 23-1467	EA	1", 2,000 Lb., Screwed Carbon Steel, Cap	13.39	6.96
23 21 13 23-1468	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cap	15.74	7.92
23 21 13 23-1469	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	18.04	8.88
23 21 13 23-1470	EA	2", 2,000 Lb., Screwed Carbon Steel, Cap	24.27	11.27
23 21 13 23-1471	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	41.48	16.75
23 21 13 23-1472	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Cap	9.64	4.75
23 21 13 23-1473	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Cap	10.10	5.14
23 21 13 23-1474	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cap	10.58	5.56
23 21 13 23-1475	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cap	12.65	6.22
23 21 13 23-1476	EA	1", 3,000 Lb., Screwed Carbon Steel, Cap	14.55	6.96
23 21 13 23-1477	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cap	18.33	7.92
23 21 13 23-1478	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	22.06	8.88
23 21 13 23-1479	EA	2", 3,000 Lb., Screwed Carbon Steel, Cap	28.45	11.27
23 21 13 23-1480	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	50.80	16.75
23 21 13 23-1481	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Cap	10.97	4.75
23 21 13 23-1482	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Cap	11.17	5.14
23 21 13 23-1483	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cap	11.38	5.56
23 21 13 23-1484	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cap	13.97	6.22
23 21 13 23-1485	EA	1", 6,000 Lb., Screwed Carbon Steel, Cap	15.36	6.96
23 21 13 23-1486	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cap	20.76	7.92
23 21 13 23-1487	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	26.10	8.88
23 21 13 23-1488	EA	2", 6,000 Lb., Screwed Carbon Steel, Cap	32.11	11.27
23 21 13 23-1489	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	58.94	16.75
23 21 13 23-1490		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1491	EA	1/4" x 2" Long, Screwed Carbon Steel, Nipple	10.70	6.44
23 21 13 23-1492	EA	3/8" x 2" Long, Screwed Carbon Steel, Nipple	10.83	6.54
23 21 13 23-1493	EA	1/2" x 2" Long, Screwed Carbon Steel, Nipple	10.91	6.62
23 21 13 23-1494	EA	3/4" x 2" Long, Screwed Carbon Steel, Nipple	10.85	6.62
23 21 13 23-1495	EA	1" x 2" Long, Screwed Carbon Steel, Nipple	12.00	7.13
23 21 13 23-1496	EA	1-1/4" x 2" Long, Screwed Carbon Steel, Nipple	12.76	7.44
23 21 13 23-1497	EA	1-1/2" x 2" Long, Screwed Carbon Steel, Nipple	13.57	7.73
23 21 13 23-1498	EA	2" x 2" Long, Screwed Carbon Steel, Nipple	16.44	9.97
23 21 13 23-1499	EA	2-1/2" x 2" Long, Screwed Carbon Steel, Nipple	21.89	12.37
23 21 13 23-1500	EA	1/4" x 4" Long, Screwed Carbon Steel, Nipple	11.19	6.44
23 21 13 23-1501	EA	3/8" x 4" Long, Screwed Carbon Steel, Nipple	11.27	6.54
23 21 13 23-1502	EA	1/2" x 4" Long, Screwed Carbon Steel, Nipple	11.31	6.62
23 21 13 23-1503	EA	3/4" x 4" Long, Screwed Carbon Steel, Nipple	11.29	6.62
23 21 13 23-1504	EA	1" x 4" Long, Screwed Carbon Steel, Nipple	12.60	7.13
23 21 13 23-1505	EA	1-1/4" x 4" Long, Screwed Carbon Steel, Nipple	13.60	7.44
23 21 13 23-1506	EA	1-1/2" x 4" Long, Screwed Carbon Steel, Nipple	14.64	7.73
23 21 13 23-1507	EA	2" x 4" Long, Screwed Carbon Steel, Nipple	18.00	9.97
23 21 13 23-1508	EA	2-1/2" x 4" Long, Screwed Carbon Steel, Nipple	25.37	12.37
23 21 13 23-1509	EA	1/4" x 6" Long, Screwed Carbon Steel, Nipple	12.38	6.44
23 21 13 23-1510	EA	3/8" x 6" Long, Screwed Carbon Steel, Nipple	12.17	6.54
23 21 13 23-1511	EA	1/2" x 6" Long, Screwed Carbon Steel, Nipple	11.93	6.62
23 21 13 23-1512	EA	3/4" x 6" Long, Screwed Carbon Steel, Nipple	11.99	6.62
23 21 13 23-1513	EA	1" x 6" Long, Screwed Carbon Steel, Nipple	13.46	7.13
23 21 13 23-1514	EA	1-1/4" x 6" Long, Screwed Carbon Steel, Nipple	14.76	7.44
23 21 13 23-1515	EA	1-1/2" x 6" Long, Screwed Carbon Steel, Nipple	16.10	7.73
23 21 13 23-1516	EA	2" x 6" Long, Screwed Carbon Steel, Nipple	19.30	9.97
23 21 13 23-1517	EA	2-1/2" x 6" Long, Screwed Carbon Steel, Nipple	28.25	12.37
23 21 13 23-1518		**Unions, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1519	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Union	22.61	13.91
23 21 13 23-1520	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Union	23.34	14.68
23 21 13 23-1521	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Union	24.03	15.45
23 21 13 23-1522	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Union	27.61	17.83
23 21 13 23-1523	EA	1", 3,000 Lb., Screwed Carbon Steel, Union	32.88	21.07
23 21 13 23-1524	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Union	39.95	25.52
23 21 13 23-1525	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Union	47.00	29.91
23 21 13 23-1526	EA	2", 3,000 Lb., Screwed Carbon Steel, Union	58.33	37.09
23 21 13 23-1527	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Union	88.15	54.72
23 21 13 23-1528	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Union	34.08	13.91
23 21 13 23-1529	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Union	36.00	14.68
23 21 13 23-1530	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Union	37.89	15.45
23 21 13 23-1531	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Union	44.40	17.83
23 21 13 23-1532	EA	1", 6,000 Lb., Screwed Carbon Steel, Union	53.57	21.07
23 21 13 23-1533	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Union	71.44	25.52
23 21 13 23-1534	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Union	89.31	29.91
23 21 13 23-1535	EA	2", 6,000 Lb., Screwed Carbon Steel, Union	110.41	37.09
23 21 13 23-1536	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Union	204.15	54.72
23 21 13 23-1537		**Flanges, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1538	EA	1/2", 150 Lb., Screwed Carbon Steel, Flange	49.19	28.73
23 21 13 23-1539	EA	3/4", 150 Lb., Screwed Carbon Steel, Flange	51.47	30.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1540	EA	1", 150 Lb., Screwed Carbon Steel, Flange	53.42	31.43
23 21 13 23-1541	EA	1-1/4", 150 Lb., Screwed Carbon Steel, Flange	56.54	33.37
23 21 13 23-1542	EA	1-1/2", 150 Lb., Screwed Carbon Steel, Flange	59.59	35.39
23 21 13 23-1543	EA	2", 150 Lb., Screwed Carbon Steel, Flange	61.91	36.94
23 21 13 23-1544	EA	2-1/2", 150 Lb., Screwed Carbon Steel, Flange	112.63	65.43
23 21 13 23-1545	EA	1/2", 300 Lb., Screwed Carbon Steel, Flange	49.58	28.73
		For Ring Type Joint, Add	*6.49*	
		For Blind Flange, Deduct	*-18.53*	
23 21 13 23-1546	EA	3/4", 300 Lb., Screwed Carbon Steel, Flange	51.88	30.11
		For Ring Type Joint, Add	*6.70*	
		For Blind Flange, Deduct	*-19.41*	
23 21 13 23-1547	EA	1", 300 Lb., Screwed Carbon Steel, Flange	54.05	31.43
		For Ring Type Joint, Add	*6.92*	
		For Blind Flange, Deduct	*-20.24*	
23 21 13 23-1548	EA	1-1/4", 300 Lb., Screwed Carbon Steel, Flange	57.60	33.37
23 21 13 23-1549	EA	1-1/2", 300 Lb., Screwed Carbon Steel, Flange	61.08	35.39
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-22.83*	
23 21 13 23-1550	EA	2", 300 Lb., Screwed Carbon Steel, Flange	63.40	36.94
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-23.76*	
23 21 13 23-1551	EA	2-1/2", 300 Lb., Screwed Carbon Steel, Flange	115.95	65.43
23 21 13 23-1552	EA	1/2", 600 Lb., Screwed Carbon Steel, Flange	52.13	28.73
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-19.04*	
23 21 13 23-1553	EA	3/4", 600 Lb., Screwed Carbon Steel, Flange	54.22	30.11
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-19.88*	
23 21 13 23-1554	EA	1", 600 Lb., Screwed Carbon Steel, Flange	56.58	31.43
		For Ring Type Joint, Add	*9.45*	
		For Blind Flange, Deduct	*-20.74*	
23 21 13 23-1555	EA	1-1/4", 600 Lb., Screwed Carbon Steel, Flange	60.44	33.37
23 21 13 23-1556	EA	1-1/2", 600 Lb., Screwed Carbon Steel, Flange	64.22	35.39
		For Ring Type Joint, Add	*11.14*	
		For Blind Flange, Deduct	*-23.46*	
23 21 13 23-1557	EA	2", 600 Lb., Screwed Carbon Steel, Flange	65.77	36.94
		For Ring Type Joint, Add	*10.37*	
		For Blind Flange, Deduct	*-24.23*	
23 21 13 23-1558	EA	2-1/2", 600 Lb., Screwed Carbon Steel, Flange	121.22	65.43
23 21 13 23-1559		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1560	EA	1/4", Screwed Carbon Steel, Square Head Plug	6.37	2.89
23 21 13 23-1561	EA	3/8", Screwed Carbon Steel, Square Head Plug	7.24	4.38
23 21 13 23-1562	EA	1/2", Screwed Carbon Steel, Square Head Plug	7.65	3.47
23 21 13 23-1563	EA	3/4", Screwed Carbon Steel, Square Head Plug	8.77	3.95
23 21 13 23-1564	EA	1", Screwed Carbon Steel, Square Head Plug	10.51	6.19
23 21 13 23-1565	EA	1-1/4", Screwed Carbon Steel, Square Head Plug	12.56	7.03
23 21 13 23-1566	EA	1-1/2", Screwed Carbon Steel, Square Head Plug	14.57	7.92
23 21 13 23-1567	EA	2", Screwed Carbon Steel, Square Head Plug	19.67	10.01
23 21 13 23-1568	EA	2-1/2", Screwed Carbon Steel, Square Head Plug	32.41	14.81
23 21 13 23-1569		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1570	EA	1/4", Screwed Carbon Steel, Hex Head Plug	6.22	2.89
23 21 13 23-1571	EA	3/8", Screwed Carbon Steel, Hex Head Plug	7.10	4.38
23 21 13 23-1572	EA	1/2", Screwed Carbon Steel, Hex Head Plug	7.51	3.47
23 21 13 23-1573	EA	3/4", Screwed Carbon Steel, Hex Head Plug	8.68	3.95
23 21 13 23-1574	EA	1", Screwed Carbon Steel, Hex Head Plug	10.43	6.19
23 21 13 23-1575	EA	1-1/4", Screwed Carbon Steel, Hex Head Plug	12.35	7.03
23 21 13 23-1576	EA	1-1/2", Screwed Carbon Steel, Hex Head Plug	14.24	7.92
23 21 13 23-1577	EA	2", Screwed Carbon Steel, Hex Head Plug	19.90	10.01
23 21 13 23-1578	EA	2-1/2", Screwed Carbon Steel, Hex Head Plug	32.93	14.81
23 21 13 23-1579		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1580	EA	1/4", Screwed Carbon Steel, Roud Head Plug	6.71	2.89
23 21 13 23-1581	EA	3/8", Screwed Carbon Steel, Round Head Plug	7.43	4.38
23 21 13 23-1582	EA	1/2", Screwed Carbon Steel, Roud Head Plug	7.67	3.47
23 21 13 23-1583	EA	3/4", Screwed Carbon Steel, Roud Head Plug	8.70	3.95
23 21 13 23-1584	EA	1", Screwed Carbon Steel, Roud Head Plug	10.56	6.19
23 21 13 23-1585	EA	1-1/4", Screwed Carbon Steel, Round Head Plug	12.79	7.03
23 21 13 23-1586	EA	1-1/2", Screwed Carbon Steel, Roud Head Plug	14.99	7.92
23 21 13 23-1587	EA	2", Screwed Carbon Steel, Roud Head Plug	19.81	10.01
23 21 13 23-1588	EA	2-1/2", Screwed Carbon Steel, Round Head Plug	32.73	14.81
23 21 13 23-1589		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1590	EA	1/4", Screwed Carbon Steel, Hex Bushing	6.34	2.89
23 21 13 23-1591	EA	3/8", Screwed Carbon Steel, Hex Bushing	7.16	4.38
23 21 13 23-1592	EA	1/2", Screwed Carbon Steel, Hex Bushing	7.51	3.47
23 21 13 23-1593	EA	3/4", Screwed Carbon Steel, Hex Bushing	8.64	3.95
23 21 13 23-1594	EA	1", Screwed Carbon Steel, Hex Bushing	10.53	6.19
23 21 13 23-1595	EA	1-1/4", Screwed Carbon Steel, Hex Bushing	12.40	7.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1596	EA	1-1/2", Screwed Carbon Steel, Hex Bushing	14.21	7.92
23 21 13 23-1597	EA	2", Screwed Carbon Steel, Hex Bushing	19.56	10.01
23 21 13 23-1598	EA	2-1/2", Screwed Carbon Steel, Hex Bushing	32.15	14.81

23 21 13 23-1599 Grooved-Joint Pipe *(23 21 13 23)*

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1600 Schedule 10 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1601	LF	2" Black Schedule 10 Grooved Pipe	21.56	8.82
		For Work In Restricted Working Space, Add	*3.96*	
23 21 13 23-1602	LF	2-1/2" Black Schedule 10 Grooved Pipe	29.00	12.08
		For Work In Restricted Working Space, Add	*5.44*	
23 21 13 23-1603	LF	3" Black Schedule 10 Grooved Pipe	32.64	13.41
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-1604	LF	3-1/2" Black Schedule 10 Grooved Pipe	36.91	13.89
		For Work In Restricted Working Space, Add	*6.26*	
23 21 13 23-1605	LF	4" Black Schedule 10 Grooved Pipe	39.06	15.07
		For Work In Restricted Working Space, Add	*6.77*	
23 21 13 23-1606	LF	5" Black Schedule 10 Grooved Pipe	56.61	18.47
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-1607	LF	6" Black Schedule 10 Grooved Pipe	71.71	26.25
		For Work In Restricted Working Space, Add	*11.79*	
23 21 13 23-1608	LF	8" Black Schedule 10 Grooved Pipe	101.31	29.45
		For Work In Restricted Working Space, Add	*13.23*	
23 21 13 23-1609	LF	10" Black Schedule 10 Grooved Pipe	127.74	35.49
		For Work In Restricted Working Space, Add	*15.96*	
23 21 13 23-1610	LF	12" Black Schedule 10 Grooved Pipe	147.73	40.21
		For Work In Restricted Working Space, Add	*18.09*	

23 21 13 23-1611 Schedule 40 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1612	LF	3/4" Black Schedule 40 Grooved Pipe	12.91	5.35
		For Work In Restricted Working Space, Add	*2.40*	
23 21 13 23-1613	LF	1" Black Schedule 40 Grooved Pipe	14.58	6.04
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-1614	LF	1-1/4" Black Schedule 40 Grooved Pipe	16.74	6.53
		For Work In Restricted Working Space, Add	*2.93*	
23 21 13 23-1615	LF	1-1/2" Black Schedule 40 Grooved Pipe	19.06	7.44
		For Work In Restricted Working Space, Add	*3.34*	
23 21 13 23-1616	LF	2" Black Schedule 40 Grooved Pipe	23.97	9.45
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-1617	LF	2-1/2" Black Schedule 40 Grooved Pipe	33.49	12.92
		For Work In Restricted Working Space, Add	*5.82*	
23 21 13 23-1618	LF	3" Black Schedule 40 Grooved Pipe	39.79	14.72
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-1619	LF	4" Black Schedule 40 Grooved Pipe	49.71	16.39
		For Work In Restricted Working Space, Add	*7.37*	
23 21 13 23-1620	LF	5" Black Schedule 40 Grooved Pipe	69.80	19.94
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-1621	LF	6" Black Schedule 40 Grooved Pipe	92.92	28.75
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-1622	LF	8" Black Schedule 40 Grooved Pipe	126.23	32.57
		For Work In Restricted Working Space, Add	*14.66*	
23 21 13 23-1623	LF	10" Black Schedule 40 Grooved Pipe	177.12	38.90
		For Work In Restricted Working Space, Add	*17.50*	
23 21 13 23-1624	LF	12" Black Schedule 40 Grooved Pipe	209.24	44.65
		For Work In Restricted Working Space, Add	*20.09*	
23 21 13 23-1625	LF	14" Black Schedule 40 Grooved Pipe	275.50	60.35
		For Work In Restricted Working Space, Add	*27.13*	
23 21 13 23-1626	LF	16" Black Schedule 40 Grooved Pipe	319.08	70.98
		For Work In Restricted Working Space, Add	*31.91*	
23 21 13 23-1627	LF	18" Black Schedule 40 Grooved Pipe	397.13	86.18
		For Work In Restricted Working Space, Add	*38.75*	
23 21 13 23-1628	LF	20" Black Schedule 40 Grooved Pipe	457.33	100.49
		For Work In Restricted Working Space, Add	*45.21*	
23 21 13 23-1629	LF	24" Black Schedule 40 Grooved Pipe	603.50	120.63
		For Work In Restricted Working Space, Add	*54.26*	

23 21 13 23-1630 Schedule 80 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1631	LF	3/4" Black Schedule 80 Grooved Pipe	14.15	5.84
		For Work In Restricted Working Space, Add	*2.62*	
23 21 13 23-1632	LF	1" Black Schedule 80 Grooved Pipe	15.85	6.18
		For Work In Restricted Working Space, Add	*2.79*	
23 21 13 23-1633	LF	1-1/4" Black Schedule 80 Grooved Pipe	18.81	6.88
		For Work In Restricted Working Space, Add	*3.09*	
23 21 13 23-1634	LF	1-1/2" Black Schedule 80 Grooved Pipe	21.48	7.71
		For Work In Restricted Working Space, Add	*3.47*	
23 21 13 23-1635	LF	2" Black Schedule 80 Grooved Pipe	27.80	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-1636	LF	2-1/2" Black Schedule 80 Grooved Pipe	39.35	13.68
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-1637	LF	3" Black Schedule 80 Grooved Pipe	47.41	15.35
		For Work In Restricted Working Space, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1638	LF	4" Black Schedule 80 Grooved Pipe	60.87	16.73
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-1639	LF	5" Black Schedule 80 Grooved Pipe	95.32	21.04
		For Work In Restricted Working Space, Add	*9.48*	
23 21 13 23-1640	LF	6" Black Schedule 80 Grooved Pipe	122.68	30.14
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-1641	LF	8" Black Schedule 80 Grooved Pipe	189.12	34.45
		For Work In Restricted Working Space, Add	*15.50*	
23 21 13 23-1642	LF	10" Black Schedule 80 Grooved Pipe	236.05	41.60
		For Work In Restricted Working Space, Add	*18.71*	
23 21 13 23-1643	LF	12" Black Schedule 80 Grooved Pipe	245.30	50.28
		For Work In Restricted Working Space, Add	*22.61*	

23 21 13 23-1644 Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1645	LF	3/4" Galvanized Schedule 40 Grooved Pipe	16.27	5.35
		For Work In Restricted Working Space, Add	*2.40*	
23 21 13 23-1646	LF	1" Galvanized Schedule 40 Grooved Pipe	19.14	6.04
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-1647	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	21.62	6.53
		For Work In Restricted Working Space, Add	*2.93*	
23 21 13 23-1648	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	24.63	7.44
		For Work In Restricted Working Space, Add	*3.34*	
23 21 13 23-1649	LF	2" Galvanized Schedule 40 Grooved Pipe	31.02	9.45
		For Work In Restricted Working Space, Add	*4.26*	
23 21 13 23-1650	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	43.95	12.92
		For Work In Restricted Working Space, Add	*5.82*	
23 21 13 23-1651	LF	3" Galvanized Schedule 40 Grooved Pipe	53.20	14.72
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-1652	LF	4" Galvanized Schedule 40 Grooved Pipe	68.72	16.39
		For Work In Restricted Working Space, Add	*7.37*	
23 21 13 23-1653	LF	5" Galvanized Schedule 40 Grooved Pipe	101.75	19.94
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-1654	LF	6" Galvanized Schedule 40 Grooved Pipe	134.14	28.75
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-1655	LF	8" Galvanized Schedule 40 Grooved Pipe	187.47	32.57
		For Work In Restricted Working Space, Add	*14.66*	
23 21 13 23-1656	LF	10" Galvanized Schedule 40 Grooved Pipe	276.13	38.90
		For Work In Restricted Working Space, Add	*17.50*	
23 21 13 23-1657	LF	12" Galvanized Schedule 40 Grooved Pipe	328.33	44.65
		For Work In Restricted Working Space, Add	*20.09*	

23 21 13 23-1658 Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1659	LF	3/4" Galvanized Schedule 80 Grooved Pipe	17.31	5.84
		For Work In Restricted Working Space, Add	*2.62*	
23 21 13 23-1660	LF	1" Galvanized Schedule 80 Grooved Pipe	24.89	6.18
		For Work In Restricted Working Space, Add	*2.79*	
23 21 13 23-1661	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	24.14	6.88
		For Work In Restricted Working Space, Add	*3.09*	
23 21 13 23-1662	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	32.87	8.20
		For Work In Restricted Working Space, Add	*3.70*	
23 21 13 23-1663	LF	2" Galvanized Schedule 80 Grooved Pipe	36.08	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-1664	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	51.81	13.68
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-1665	LF	3" Galvanized Schedule 80 Grooved Pipe	64.10	15.35
		For Work In Restricted Working Space, Add	*6.91*	
23 21 13 23-1666	LF	4" Galvanized Schedule 80 Grooved Pipe	85.02	16.73
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-1667	LF	5" Galvanized Schedule 80 Grooved Pipe	135.00	21.04
		For Work In Restricted Working Space, Add	*9.48*	
23 21 13 23-1668	LF	6" Galvanized Schedule 80 Grooved Pipe	170.23	30.14
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-1669	LF	8" Galvanized Schedule 80 Grooved Pipe	272.38	34.45
		For Work In Restricted Working Space, Add	*15.50*	
23 21 13 23-1670	LF	10" Galvanized Schedule 80 Grooved Pipe	323.20	41.60
		For Work In Restricted Working Space, Add	*18.71*	
23 21 13 23-1671	LF	12" Galvanized Schedule 80 Grooved Pipe	347.01	50.28
		For Work In Restricted Working Space, Add	*22.61*	

23 21 13 23-1672 Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-1673 Grooved Elbows *(23 21 13 23-1672)*

23 21 13 23-1674 90 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 10

23 21 13 23-1675	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	83.59	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1676	EA	1", Ductile Iron, Grooved 90 Degree Elbow	83.59	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*23.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1677	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	86.43	9.45
		For Work In Restricted Working Space, Add	*4.26*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1678	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	89.43	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1679	EA	2", Ductile Iron, Grooved 90 Degree Elbow	94.93	15.14
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1680	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	99.89	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1681	EA	3", Ductile Iron, Grooved 90 Degree Elbow	161.84	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*42.35*	
23 21 13 23-1682	EA	4", Ductile Iron, Grooved 90 Degree Elbow	184.01	29.52
		For Work In Restricted Working Space, Add	*13.27*	
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-1683	EA	5", Ductile Iron, Grooved 90 Degree Elbow	395.53	36.88
		For Work In Restricted Working Space, Add	*16.59*	
		For Galvanized Fittings, Add	*112.28*	
23 21 13 23-1684	EA	6", Ductile Iron, Grooved 90 Degree Elbow	467.75	48.26
		For Work In Restricted Working Space, Add	*21.70*	
		For Galvanized Fittings, Add	*130.49*	
23 21 13 23-1685	EA	8", Ductile Iron, Grooved 90 Degree Elbow	918.32	57.44
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*274.63*	
23 21 13 23-1686	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,397.05	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*427.87*	
23 21 13 23-1687	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,198.77	80.43
		For Work In Restricted Working Space, Add	*36.17*	
		For Galvanized Fittings, Add	*685.81*	
23 21 13 23-1688	EA	14", Steel, Grooved 90 Degree Elbow	4,458.04	90.77
		For Work In Restricted Working Space, Add	*40.83*	
		For Galvanized Fittings, Add	*1,426.24*	
23 21 13 23-1689	EA	16", Steel, Grooved 90 Degree Elbow	5,805.98	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*1,866.24*	
23 21 13 23-1690	EA	18", Steel, Grooved 90 Degree Elbow	7,337.14	109.80
		For Work In Restricted Working Space, Add	*49.37*	
		For Galvanized Fittings, Add	*2,366.94*	
23 21 13 23-1691	EA	20", Steel, Grooved 90 Degree Elbow	9,596.70	114.17
		For Work In Restricted Working Space, Add	*51.37*	
		For Galvanized Fittings, Add	*3,110.41*	
23 21 13 23-1692	EA	24", Steel, Grooved 90 Degree Elbow	13,765.84	135.01
		For Work In Restricted Working Space, Add	*60.71*	
		For Galvanized Fittings, Add	*4,475.95*	

23 21 13 23-1693 45 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 11

23 21 13 23-1694	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	83.54	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1695	EA	1", Ductile Iron, Grooved 45 Degree Elbow	83.54	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1696	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	86.38	9.45
		For Work In Restricted Working Space, Add	*4.26*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1697	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	89.38	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1698	EA	2", Ductile Iron, Grooved 45 Degree Elbow	94.88	15.14
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1699	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	99.84	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1700	EA	3", Ductile Iron, Grooved 45 Degree Elbow	161.79	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*30.79*	
23 21 13 23-1701	EA	4", Ductile Iron, Grooved 45 Degree Elbow	184.01	29.52
		For Work In Restricted Working Space, Add	*13.27*	
		For Galvanized Fittings, Add	*33.54*	
23 21 13 23-1702	EA	5", Ductile Iron, Grooved 45 Degree Elbow	395.53	36.88
		For Work In Restricted Working Space, Add	*16.59*	
		For Galvanized Fittings, Add	*81.66*	
23 21 13 23-1703	EA	6", Ductile Iron, Grooved 45 Degree Elbow	467.75	48.26
		For Work In Restricted Working Space, Add	*21.70*	
		For Galvanized Fittings, Add	*94.90*	
23 21 13 23-1704	EA	8", Ductile Iron, Grooved 45 Degree Elbow	918.32	57.44
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*199.73*	
23 21 13 23-1705	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,397.05	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*311.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1706	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,198.77	80.43
		For Work In Restricted Working Space, Add	*36.17*	
		For Galvanized Fittings, Add	*498.77*	
23 21 13 23-1707	EA	14", Steel, Grooved 45 Degree Elbow	4,458.04	90.77
		For Work In Restricted Working Space, Add	*40.83*	
		For Galvanized Fittings, Add	*1,037.26*	
23 21 13 23-1708	EA	16", Steel, Grooved 45 Degree Elbow	5,805.98	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*1,357.27*	
23 21 13 23-1709	EA	18", Steel, Grooved 45 Degree Elbow	7,337.14	109.80
		For Work In Restricted Working Space, Add	*49.37*	
		For Galvanized Fittings, Add	*1,721.41*	
23 21 13 23-1710	EA	20", Steel, Grooved 45 Degree Elbow	9,597.00	114.38
		For Work In Restricted Working Space, Add	*51.46*	
		For Galvanized Fittings, Add	*2,262.11*	
23 21 13 23-1711	EA	24", Steel, Grooved 45 Degree Elbow	13,765.84	135.01
		For Work In Restricted Working Space, Add	*60.71*	
		For Galvanized Fittings, Add	*3,255.24*	

23 21 13 23-1712 22-1/2 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 12

23 21 13 23-1713	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	88.29	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1714	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	91.13	9.45
		For Work In Restricted Working Space, Add	*4.26*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1715	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	94.13	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1716	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	99.63	15.14
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1717	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	104.59	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1718	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	146.04	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1719	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	195.13	29.52
		For Work In Restricted Working Space, Add	*13.27*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1720	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	523.22	36.88
		For Work In Restricted Working Space, Add	*16.59*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1721	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	499.81	48.26
		For Work In Restricted Working Space, Add	*21.70*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1722	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	980.53	57.44
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*214.66*	
23 21 13 23-1723	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,328.39	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*294.70*	
23 21 13 23-1724	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,780.61	80.43
		For Work In Restricted Working Space, Add	*36.17*	
		For Galvanized Fittings, Add	*398.41*	
23 21 13 23-1725	EA	14", Steel, Grooved 22-1/2 Degree Elbow	2,053.50	90.77
		For Work In Restricted Working Space, Add	*40.83*	
		For Galvanized Fittings, Add	*460.17*	
23 21 13 23-1726	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,450.35	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*551.92*	
23 21 13 23-1727	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,949.63	109.80
		For Work In Restricted Working Space, Add	*49.37*	
		For Galvanized Fittings, Add	*668.41*	
23 21 13 23-1728	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,463.90	114.17
		For Work In Restricted Working Space, Add	*51.37*	
		For Galvanized Fittings, Add	*790.24*	
23 21 13 23-1729	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,626.99	135.01
		For Work In Restricted Working Space, Add	*60.71*	
		For Galvanized Fittings, Add	*1,061.91*	

23 21 13 23-1730 11-1/4 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 13

23 21 13 23-1731	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	88.29	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1732	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	91.13	9.45
		For Work In Restricted Working Space, Add	*4.26*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1733	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	94.13	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*18.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1734	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	99.63	15.14
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1735	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	104.59	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1736	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	146.04	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1737	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	195.12	29.52
		For Work In Restricted Working Space, Add	*13.27*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1738	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	523.20	36.88
		For Work In Restricted Working Space, Add	*16.59*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1739	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	499.79	48.26
		For Work In Restricted Working Space, Add	*21.70*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1740	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	980.48	57.44
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*214.65*	
23 21 13 23-1741	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,328.32	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*294.68*	
23 21 13 23-1742	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,780.52	80.43
		For Work In Restricted Working Space, Add	*36.17*	
		For Galvanized Fittings, Add	*398.39*	
23 21 13 23-1743	EA	14", Steel, Grooved 11-1/4 Degree Elbow	2,053.41	90.77
		For Work In Restricted Working Space, Add	*40.84*	
		For Galvanized Fittings, Add	*460.15*	
23 21 13 23-1744	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,450.24	100.57
		For Work In Restricted Working Space, Add	*45.22*	
		For Galvanized Fittings, Add	*551.88*	
23 21 13 23-1745	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,949.45	109.80
		For Work In Restricted Working Space, Add	*49.37*	
		For Galvanized Fittings, Add	*668.37*	
23 21 13 23-1746	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,463.71	114.17
		For Work In Restricted Working Space, Add	*51.37*	
		For Galvanized Fittings, Add	*790.20*	
23 21 13 23-1747	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,626.74	135.01
		For Work In Restricted Working Space, Add	*60.71*	
		For Galvanized Fittings, Add	*1,061.85*	

23 21 13 23-1748 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 100

23 21 13 23-1749	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	187.84	15.14
		For Work In Restricted Working Space, Add	*6.81*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1750	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	506.85	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*115.01*	
23 21 13 23-1751	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	198.66	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1752	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	291.63	29.52
		For Work In Restricted Working Space, Add	*13.27*	
		For Galvanized Fittings, Add	*59.37*	
23 21 13 23-1753	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,323.31	36.88
		For Work In Restricted Working Space, Add	*16.59*	
		For Galvanized Fittings, Add	*304.32*	
23 21 13 23-1754	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	796.05	48.26
		For Work In Restricted Working Space, Add	*21.70*	
		For Galvanized Fittings, Add	*173.69*	
23 21 13 23-1755	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,822.06	57.44
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*416.63*	
23 21 13 23-1756	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,699.81	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*863.84*	
23 21 13 23-1757	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,412.78	80.43
		For Work In Restricted Working Space, Add	*36.17*	
		For Galvanized Fittings, Add	*1,030.13*	

23 21 13 23-1758 Grooved Tees, Wyes And Crosses *(23 21 13 23-1672)*

23 21 13 23-1759 Grooved Tees *(23 21 13 23-1758)*

Note: Victaulic No. 20

23 21 13 23-1760	EA	3/4", Ductile Iron, Grooved Tee	125.31	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1761	EA	1", Ductile Iron, Grooved Tee	127.57	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1762	EA	1-1/4", Ductile Iron, Grooved Tee	131.39	14.03
		For Work In Restricted Working Space, Add	*6.30*	
		For Galvanized Fittings, Add	*33.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1763	EA	1-1/2", Ductile Iron, Grooved Tee	136.17	17.22
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1764	EA	2", Ductile Iron, Grooved Tee	143.75	22.30
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1765	EA	2-1/2", Ductile Iron, Grooved Tee	151.34	27.29
		For Work In Restricted Working Space, Add	*12.29*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1766	EA	3", Ductile Iron, Grooved Tee	204.90	33.55
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*46.39*	
23 21 13 23-1767	EA	4", Ductile Iron, Grooved Tee	302.24	43.40
		For Work In Restricted Working Space, Add	*19.52*	
		For Galvanized Fittings, Add	*71.16*	
23 21 13 23-1768	EA	5", Ductile Iron, Grooved Tee	641.54	56.74
		For Work In Restricted Working Space, Add	*25.52*	
		For Galvanized Fittings, Add	*166.94*	
23 21 13 23-1769	EA	6", Ductile Iron, Grooved Tee	749.53	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*192.95*	
23 21 13 23-1770	EA	8", Ductile Iron, Grooved Tee	1,534.06	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*421.46*	
23 21 13 23-1771	EA	10", Ductile Iron, Grooved Tee	2,659.43	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*752.62*	
23 21 13 23-1772	EA	12", Ductile Iron, Grooved Tee	3,693.07	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*1,053.66*	
23 21 13 23-1773	EA	14", Steel, Grooved Tee	4,032.45	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*1,149.45*	
23 21 13 23-1774	EA	16", Steel, Grooved Tee	5,082.70	134.80
		For Work In Restricted Working Space, Add	*60.63*	
		For Galvanized Fittings, Add	*1,464.18*	
23 21 13 23-1775	EA	18", Steel, Grooved Tee	6,335.07	148.69
		For Work In Restricted Working Space, Add	*66.87*	
		For Galvanized Fittings, Add	*1,833.65*	
23 21 13 23-1776	EA	20", Steel, Grooved Tee	8,984.14	151.05
		For Work In Restricted Working Space, Add	*67.93*	
		For Galvanized Fittings, Add	*2,627.32*	
23 21 13 23-1777	EA	24", Steel, Grooved Tee	13,734.11	185.57
		For Work In Restricted Working Space, Add	*83.47*	
		For Galvanized Fittings, Add	*4,036.76*	

23 21 13 23-1778 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1758)*

Note: Victaulic No. 33

23 21 13 23-1779	EA	1", Steel, Grooved Wye	482.93	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1780	EA	1-1/4", Steel, Grooved Wye	486.75	14.03
		For Work In Restricted Working Space, Add	*6.30*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1781	EA	1-1/2", Steel, Grooved Wye	491.53	17.22
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1782	EA	2", Steel, Grooved Wye	499.11	22.30
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1783	EA	2-1/2", Steel, Grooved Wye	506.70	27.29
		For Work In Restricted Working Space, Add	*12.29*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1784	EA	3", Steel, Grooved Wye	606.99	33.55
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*89.08*	
23 21 13 23-1785	EA	4", Steel, Grooved Wye	794.25	43.40
		For Work In Restricted Working Space, Add	*19.52*	
		For Galvanized Fittings, Add	*116.67*	
23 21 13 23-1786	EA	5", Steel, Grooved Wye	1,130.27	56.74
		For Work In Restricted Working Space, Add	*25.52*	
		For Galvanized Fittings, Add	*167.23*	
23 21 13 23-1787	EA	6", Steel, Grooved Wye	1,399.60	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*206.92*	
23 21 13 23-1788	EA	8", Steel, Grooved Wye	1,991.78	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*298.02*	
23 21 13 23-1789	EA	10", Steel, Grooved Wye	3,365.52	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*514.37*	
23 21 13 23-1790	EA	12", Steel, Grooved Wye	3,732.48	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*568.26*	
23 21 13 23-1791	EA	14", Steel, Grooved Wye	4,256.50	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*648.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1792	EA	16", Steel, Grooved Wye	5,469.53	134.66
		For Work In Restricted Working Space, Add	*60.56*	
		For Galvanized Fittings, Add	*842.82*	
23 21 13 23-1793	EA	18", Steel, Grooved Wye	6,248.72	148.83
		For Work In Restricted Working Space, Add	*66.95*	
		For Galvanized Fittings, Add	*964.09*	
23 21 13 23-1794	EA	20", Steel, Grooved Wye	8,965.18	150.77
		For Work In Restricted Working Space, Add	*67.82*	
		For Galvanized Fittings, Add	*1,398.26*	
23 21 13 23-1795	EA	24", Steel, Grooved Wye	13,865.11	185.57
		For Work In Restricted Working Space, Add	*83.47*	
		For Galvanized Fittings, Add	*2,173.90*	

23 21 13 23-1796 Grooved Crosses *(23 21 13 23-1758)*

Note: Victaulic No. 35

23 21 13 23-1797	EA	3/4", Steel, Grooved Cross	323.93	14.93
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1798	EA	1", Steel, Grooved Cross	327.32	17.22
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1799	EA	1-1/4", Steel, Grooved Cross	395.45	21.04
		For Work In Restricted Working Space, Add	*9.46*	
		For Galvanized Fittings, Add	*54.59*	
23 21 13 23-1800	EA	1-1/2", Steel, Grooved Cross	430.83	25.84
		For Work In Restricted Working Space, Add	*11.60*	
		For Galvanized Fittings, Add	*58.82*	
23 21 13 23-1801	EA	2", Steel, Grooved Cross	271.68	33.40
		For Work In Restricted Working Space, Add	*15.02*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1802	EA	2-1/2", Steel, Grooved Cross	283.06	40.97
		For Work In Restricted Working Space, Add	*18.43*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1803	EA	3", Steel, Grooved Cross	473.63	50.28
		For Work In Restricted Working Space, Add	*22.62*	
		For Galvanized Fittings, Add	*59.73*	
23 21 13 23-1804	EA	4", Steel, Grooved Cross	760.48	65.08
		For Work In Restricted Working Space, Add	*29.27*	
		For Galvanized Fittings, Add	*99.44*	
23 21 13 23-1805	EA	5", Steel, Grooved Cross	1,481.88	85.07
		For Work In Restricted Working Space, Add	*38.28*	
		For Galvanized Fittings, Add	*203.14*	
23 21 13 23-1806	EA	6", Steel, Grooved Cross	1,902.00	106.46
		For Work In Restricted Working Space, Add	*47.87*	
		For Galvanized Fittings, Add	*261.36*	
23 21 13 23-1807	EA	8", Steel, Grooved Cross	2,488.55	129.24
		For Work In Restricted Working Space, Add	*58.13*	
		For Galvanized Fittings, Add	*344.22*	
23 21 13 23-1808	EA	10", Steel, Grooved Cross	4,139.92	150.77
		For Work In Restricted Working Space, Add	*67.82*	
		For Galvanized Fittings, Add	*587.08*	
23 21 13 23-1809	EA	12", Steel, Grooved Cross	5,919.28	180.98
		For Work In Restricted Working Space, Add	*81.38*	
		For Galvanized Fittings, Add	*847.20*	
23 21 13 23-1810	EA	14", Steel, Grooved Cross	6,153.04	201.05
		For Work In Restricted Working Space, Add	*90.43*	
		For Galvanized Fittings, Add	*877.74*	
23 21 13 23-1811	EA	16", Steel, Grooved Cross	7,958.02	202.23
		For Work In Restricted Working Space, Add	*90.95*	
		For Galvanized Fittings, Add	*1,148.23*	
23 21 13 23-1812	EA	18", Steel, Grooved Cross	9,717.39	223.00
		For Work In Restricted Working Space, Add	*100.30*	
		For Galvanized Fittings, Add	*1,407.46*	
23 21 13 23-1813	EA	20", Steel, Grooved Cross	13,632.69	226.47
		For Work In Restricted Working Space, Add	*101.87*	
		For Galvanized Fittings, Add	*1,993.97*	
23 21 13 23-1814	EA	24", Steel, Grooved Cross	20,939.01	278.35
		For Work In Restricted Working Space, Add	*125.21*	
		For Galvanized Fittings, Add	*3,078.25*	

23 21 13 23-1815 Grooved Reducing Tees *(23 21 13 23-1758)*

Note: Victaulic No. 25

23 21 13 23-1816	EA	1", Steel, Grooved Reducing Tee	230.17	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*42.60*	
23 21 13 23-1817	EA	1-1/4", Steel, Grooved Reducing Tee	240.68	14.03
		For Work In Restricted Working Space, Add	*6.30*	
		For Galvanized Fittings, Add	*43.93*	
23 21 13 23-1818	EA	1-1/2", Steel, Grooved Reducing Tee	250.94	17.22
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*45.03*	
23 21 13 23-1819	EA	2", Steel, Grooved Reducing Tee	296.95	22.30
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*52.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1820	EA	2-1/2", Steel, Grooved Reducing Tee	331.67	27.29
		For Work In Restricted Working Space, Add	*12.29*	
		For Galvanized Fittings, Add	*58.14*	
23 21 13 23-1821	EA	3", Steel, Grooved Reducing Tee	368.47	33.55
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*63.64*	
23 21 13 23-1822	EA	4", Steel, Grooved Reducing Tee	494.18	43.40
		For Work In Restricted Working Space, Add	*19.52*	
		For Galvanized Fittings, Add	*85.83*	
23 21 13 23-1823	EA	5", Steel, Grooved Reducing Tee	651.70	56.74
		For Work In Restricted Working Space, Add	*25.52*	
		For Galvanized Fittings, Add	*113.33*	
23 21 13 23-1824	EA	6", Steel, Grooved Reducing Tee	903.49	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*159.42*	
23 21 13 23-1825	EA	8", Steel, Grooved Reducing Tee	1,444.42	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*263.05*	
23 21 13 23-1826	EA	10", Steel, Grooved Reducing Tee	2,089.65	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*387.79*	
23 21 13 23-1827	EA	12", Steel, Grooved Reducing Tee	3,041.11	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*572.05*	
23 21 13 23-1828	EA	14", Steel, Grooved Reducing Tee	3,449.58	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*649.73*	
23 21 13 23-1829	EA	16", Steel, Grooved Reducing Tee	4,422.00	134.80
		For Work In Restricted Working Space, Add	*60.64*	
		For Galvanized Fittings, Add	*843.98*	
23 21 13 23-1830	EA	18", Steel, Grooved Reducing Tee	5,389.08	148.69
		For Work In Restricted Working Space, Add	*66.86*	
		For Galvanized Fittings, Add	*1,033.24*	
23 21 13 23-1831	EA	20", Steel, Grooved Reducing Tee	7,614.97	150.99
		For Work In Restricted Working Space, Add	*67.91*	
		For Galvanized Fittings, Add	*1,477.72*	
23 21 13 23-1832	EA	24", Steel, Grooved Reducing Tee	12,179.74	185.57
		For Work In Restricted Working Space, Add	*83.47*	
		For Galvanized Fittings, Add	*2,380.30*	

23 21 13 23-1833 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1758)*

Note: Victaulic No. 30

23 21 13 23-1834	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	455.99	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1835	EA	1", Steel, Grooved, 45 Degree Lateral Wye	458.25	11.46
		For Work In Restricted Working Space, Add	*5.16*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1836	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	462.07	14.03
		For Work In Restricted Working Space, Add	*6.30*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1837	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	466.85	17.22
		For Work In Restricted Working Space, Add	*7.74*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1838	EA	2", Steel, Grooved, 45 Degree Lateral Wye	474.43	22.30
		For Work In Restricted Working Space, Add	*10.01*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1839	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	482.02	27.29
		For Work In Restricted Working Space, Add	*12.29*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1840	EA	3", Steel, Grooved, 45 Degree Lateral Wye	431.31	33.55
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*68.59*	
23 21 13 23-1841	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	703.51	38.68
		For Work In Restricted Working Space, Add	*17.39*	
		For Galvanized Fittings, Add	*116.20*	
23 21 13 23-1842	EA	4", Steel, Grooved, 45 Degree Lateral Wye	816.51	43.40
		For Work In Restricted Working Space, Add	*19.52*	
		For Galvanized Fittings, Add	*135.26*	
23 21 13 23-1843	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,183.29	56.74
		For Work In Restricted Working Space, Add	*25.52*	
		For Galvanized Fittings, Add	*197.68*	
23 21 13 23-1844	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,875.82	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*318.50*	
23 21 13 23-1845	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,677.82	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*458.76*	
23 21 13 23-1846	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,748.06	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*647.52*	
23 21 13 23-1847	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,530.22	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*782.88*	
23 21 13 23-1848	EA	14", Steel, Grooved, 45 Degree Lateral Wye	6,549.12	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*1,142.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1849	EA	16", Steel, Grooved, 45 Degree Lateral Wye	8,132.69	134.80
		For Work In Restricted Working Space, Add	*60.64*	
		For Galvanized Fittings, Add	*1,427.50*	
23 21 13 23-1850	EA	18", Steel, Grooved, 45 Degree Lateral Wye	9,088.30	148.69
		For Work In Restricted Working Space, Add	*66.86*	
		For Galvanized Fittings, Add	*1,595.78*	
23 21 13 23-1851	EA	20", Steel, Grooved, 45 Degree Lateral Wye	13,673.73	150.99
		For Work In Restricted Working Space, Add	*67.91*	
		For Galvanized Fittings, Add	*2,420.52*	
23 21 13 23-1852	EA	24", Steel, Grooved, 45 Degree Lateral Wye	21,174.44	185.57
		For Work In Restricted Working Space, Add	*83.47*	
		For Galvanized Fittings, Add	*3,761.32*	

23 21 13 23-1853 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1758)*

Note: Victaulic No. 30R

23 21 13 23-1854	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	431.31	33.55
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*49.54*	
23 21 13 23-1855	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	816.51	43.40
		For Work In Restricted Working Space, Add	*19.52*	
		For Galvanized Fittings, Add	*97.69*	
23 21 13 23-1856	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,183.29	56.74
		For Work In Restricted Working Space, Add	*25.52*	
		For Galvanized Fittings, Add	*142.77*	
23 21 13 23-1857	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,525.29	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*184.46*	
23 21 13 23-1858	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,177.51	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*266.28*	
23 21 13 23-1859	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,659.34	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*326.12*	
23 21 13 23-1860	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,229.46	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*396.32*	
23 21 13 23-1861	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,616.15	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*443.98*	
23 21 13 23-1862	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,616.57	134.80
		For Work In Restricted Working Space, Add	*60.64*	
		For Galvanized Fittings, Add	*573.88*	
23 21 13 23-1863	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	7,001.28	148.69
		For Work In Restricted Working Space, Add	*66.86*	
		For Galvanized Fittings, Add	*881.19*	
23 21 13 23-1864	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	10,148.17	150.99
		For Work In Restricted Working Space, Add	*67.91*	
		For Galvanized Fittings, Add	*1,289.83*	
23 21 13 23-1865	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	16,342.01	185.57
		For Work In Restricted Working Space, Add	*83.47*	
		For Galvanized Fittings, Add	*2,088.29*	

23 21 13 23-1866 Mechanical-T Outlet *(23 21 13 23-1758)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1867	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	123.35	25.00
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*18.19*	
23 21 13 23-1868	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	123.35	25.00
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*18.19*	
23 21 13 23-1869	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	134.80	25.00
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*21.03*	
23 21 13 23-1870	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	134.80	25.00
		For Work In Restricted Working Space, Add	*15.00*	
23 21 13 23-1871	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	129.60	28.12
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-1872	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	129.60	28.12
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-1873	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	159.83	28.12
		For Work In Restricted Working Space, Add	*16.88*	
23 21 13 23-1874	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	146.96	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-1875	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	146.96	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-1876	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	171.30	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-1877	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	171.30	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-1878	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	187.97	31.25
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-1879	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	191.02	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1880	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	191.02	41.67
		For Work In Restricted Working Space, Add	*25.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1881	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	210.03	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1882	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	215.36	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1883	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	215.36	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1884	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	220.69	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1885	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	230.92	41.67
		For Work In Restricted Working Space, Add	*25.00*	
23 21 13 23-1886	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	276.74	57.30
		For Work In Restricted Working Space, Add	*34.38*	
23 21 13 23-1887	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	276.74	57.30
		For Work In Restricted Working Space, Add	*34.38*	
23 21 13 23-1888	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	285.96	57.30
		For Work In Restricted Working Space, Add	*34.38*	
23 21 13 23-1889	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	297.52	57.30
		For Work In Restricted Working Space, Add	*34.38*	
23 21 13 23-1890	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	311.77	72.92
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-1891	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	311.77	72.92
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-1892	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	325.32	72.92
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-1893	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	336.77	72.92
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-1894	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	357.11	72.92
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-1895	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	486.68	96.54
		For Work In Restricted Working Space, Add	*57.92*	
23 21 13 23-1896	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	486.68	96.54
		For Work In Restricted Working Space, Add	*57.92*	
23 21 13 23-1897	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	503.02	96.54
		For Work In Restricted Working Space, Add	*57.92*	
23 21 13 23-1898	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	512.69	96.54
		For Work In Restricted Working Space, Add	*57.92*	

23 21 13 23-1899 Installation-Ready™ Grooved Fittings *(23 21 13 23-1672)*

23 21 13 23-1900 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1899)*

Note: Victaulic No. 101

23 21 13 23-1901	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	271.85	6.88
		For Work In Restricted Working Space, Add	*3.13*	
		For Galvanized Fittings, Add	*86.27*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1902	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	281.62	8.25
		For Work In Restricted Working Space, Add	*3.75*	
		For Galvanized Fittings, Add	*88.81*	
		For Galvanized Fittings, Add	*68.89*	
23 21 13 23-1903	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	287.72	11.01
		For Work In Restricted Working Space, Add	*5.00*	
		For Galvanized Fittings, Add	*89.45*	
		For Galvanized Fittings, Add	*69.39*	
23 21 13 23-1904	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	347.62	13.75
		For Work In Restricted Working Space, Add	*6.25*	
		For Galvanized Fittings, Add	*107.84*	
		For Galvanized Fittings, Add	*83.66*	

23 21 13 23-1905 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1899)*

Note: Victaulic No. 103

23 21 13 23-1906	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	271.85	6.88
		For Work In Restricted Working Space, Add	*3.13*	
		For Galvanized Fittings, Add	*62.74*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1907	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	281.62	8.25
		For Work In Restricted Working Space, Add	*3.75*	
		For Galvanized Fittings, Add	*64.59*	
		For Galvanized Fittings, Add	*68.89*	
23 21 13 23-1908	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	287.72	11.01
		For Work In Restricted Working Space, Add	*5.00*	
		For Galvanized Fittings, Add	*65.05*	
		For Galvanized Fittings, Add	*69.39*	
23 21 13 23-1909	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	347.62	13.75
		For Work In Restricted Working Space, Add	*6.25*	
		For Galvanized Fittings, Add	*78.43*	
		For Galvanized Fittings, Add	*83.66*	

23 21 13 23-1910 Installation-Ready™ Grooved Tees *(23 21 13 23-1899)*

Note: Victaulic No. 102

23 21 13 23-1911	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	417.58	9.16
		For Work In Restricted Working Space, Add	*4.17*	
		For Galvanized Fittings, Add	*121.11*	
		For Galvanized Fittings, Add	*103.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1912	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	433.81	11.01
		For Work In Restricted Working Space, Add	*5.00*	
		For Galvanized Fittings, Add	*125.14*	
		For Galvanized Fittings, Add	*106.79*	
23 21 13 23-1913	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	445.13	14.67
		For Work In Restricted Working Space, Add	*6.67*	
		For Galvanized Fittings, Add	*126.87*	
		For Galvanized Fittings, Add	*108.26*	
23 21 13 23-1914	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	516.05	18.34
		For Work In Restricted Working Space, Add	*8.33*	
		For Galvanized Fittings, Add	*146.48*	
		For Galvanized Fittings, Add	*125.00*	

23 21 13 23-1915 Grooved Fittings *(23 21 13 23-1672)*

23 21 13 23-1916 Flanged Adapter Nipple, Grooved *(23 21 13 23-1915)*

Note: Victaulic No. 41 and 45

23 21 13 23-1917	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	322.90	8.33
		For Work In Restricted Working Space, Add	*3.75*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1918	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	324.29	9.24
		For Work In Restricted Working Space, Add	*4.17*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1919	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	327.76	11.60
		For Work In Restricted Working Space, Add	*5.21*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1920	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	335.07	16.46
		For Work In Restricted Working Space, Add	*7.40*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1921	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	340.28	19.94
		For Work In Restricted Working Space, Add	*8.96*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1922	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	432.85	23.82
		For Work In Restricted Working Space, Add	*10.70*	
		For Galvanized Fittings, Add	*71.49*	
		For 300 Lb. Rating, Add	*59.58*	
23 21 13 23-1923	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	521.75	32.08
		For Work In Restricted Working Space, Add	*14.42*	
		For Galvanized Fittings, Add	*85.26*	
		For 300 Lb. Rating, Add	*71.05*	
23 21 13 23-1924	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	735.04	38.82
		For Work In Restricted Working Space, Add	*17.46*	
		For Galvanized Fittings, Add	*121.83*	
		For 300 Lb. Rating, Add	*101.53*	
23 21 13 23-1925	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	850.88	52.43
		For Work In Restricted Working Space, Add	*23.59*	
		For Galvanized Fittings, Add	*139.00*	
		For 300 Lb. Rating, Add	*115.84*	
23 21 13 23-1926	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,172.33	70.98
		For Work In Restricted Working Space, Add	*31.91*	
		For Galvanized Fittings, Add	*191.87*	
		For 300 Lb. Rating, Add	*159.89*	
23 21 13 23-1927	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,868.66	86.18
		For Work In Restricted Working Space, Add	*38.75*	
		For Galvanized Fittings, Add	*313.11*	
		For 300 Lb. Rating, Add	*260.92*	
23 21 13 23-1928	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,529.12	100.49
		For Work In Restricted Working Space, Add	*45.21*	
		For Galvanized Fittings, Add	*428.11*	
		For 300 Lb. Rating, Add	*356.76*	
23 21 13 23-1929	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,985.65	120.63
		For Work In Restricted Working Space, Add	*54.26*	
		For Galvanized Fittings, Add	*504.86*	
		For 300 Lb. Rating, Add	*420.72*	
23 21 13 23-1930	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,520.38	134.04
		For Work In Restricted Working Space, Add	*60.29*	
		For Galvanized Fittings, Add	*777.50*	
		For 300 Lb. Rating, Add	*647.91*	
23 21 13 23-1931	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,374.94	201.05
		For Work In Restricted Working Space, Add	*90.43*	
		For Galvanized Fittings, Add	*913.23*	
		For 300 Lb. Rating, Add	*761.03*	
23 21 13 23-1932	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,649.97	241.27
		For Work In Restricted Working Space, Add	*108.51*	
		For Galvanized Fittings, Add	*951.89*	
		For 300 Lb. Rating, Add	*793.24*	
23 21 13 23-1933	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,524.80	268.07
		For Work In Restricted Working Space, Add	*120.57*	
		For Galvanized Fittings, Add	*1,642.12*	
		For 300 Lb. Rating, Add	*1,368.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1934		**Grooved Concentric Reducers** *(23 21 13 23-1915)* Note: Victaulic No. 50		
23 21 13 23-1935	EA	1-1/4" x 3/4", Grooved Concentric Reducer	343.57	8.33
		For Work In Restricted Working Space, Add	*3.75*	
		For Galvanized Fittings, Add	*14.57*	
23 21 13 23-1936	EA	1-1/4" x 1", Grooved Concentric Reducer	359.18	8.82
		For Work In Restricted Working Space, Add	*3.96*	
		For Galvanized Fittings, Add	*15.22*	
23 21 13 23-1937	EA	1-1/2" x 3/4", Grooved Concentric Reducer	405.00	9.51
		For Work In Restricted Working Space, Add	*4.27*	
		For Galvanized Fittings, Add	*46.97*	
23 21 13 23-1938	EA	1-1/2" x 1", Grooved Concentric Reducer	98.61	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1939	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	339.51	10.42
		For Work In Restricted Working Space, Add	*4.69*	
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-1940	EA	2" x 3/4", Grooved Concentric Reducer	100.70	11.32
		For Work In Restricted Working Space, Add	*5.11*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1941	EA	2" x 1", Grooved Concentric Reducer	101.39	11.81
		For Work In Restricted Working Space, Add	*5.31*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1942	EA	2" x 1-1/4", Grooved Concentric Reducer	110.48	12.30
		For Work In Restricted Working Space, Add	*5.52*	
		For Galvanized Fittings, Add	*11.07*	
23 21 13 23-1943	EA	2" x 1-1/2", Grooved Concentric Reducer	104.21	13.68
		For Work In Restricted Working Space, Add	*6.16*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1944	EA	2-1/2" x 3/4", Grooved Concentric Reducer	700.21	12.78
		For Work In Restricted Working Space, Add	*5.75*	
		For Galvanized Fittings, Add	*81.86*	
23 21 13 23-1945	EA	2-1/2" x 1", Grooved Concentric Reducer	554.09	13.26
		For Work In Restricted Working Space, Add	*5.95*	
		For Galvanized Fittings, Add	*64.22*	
23 21 13 23-1946	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	504.15	13.68
		For Work In Restricted Working Space, Add	*6.16*	
		For Galvanized Fittings, Add	*58.13*	
23 21 13 23-1947	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	106.25	15.07
		For Work In Restricted Working Space, Add	*6.77*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1948	EA	2-1/2" x 2", Grooved Concentric Reducer	109.03	16.87
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1949	EA	3" x 3/4", Grooved Concentric Reducer	707.73	14.86
		For Work In Restricted Working Space, Add	*6.68*	
		For Galvanized Fittings, Add	*104.19*	
23 21 13 23-1950	EA	3" x 1", Grooved Concentric Reducer	115.30	15.28
		For Work In Restricted Working Space, Add	*6.87*	
		For Galvanized Fittings, Add	*14.05*	
23 21 13 23-1951	EA	3" x 1-1/4", Grooved Concentric Reducer	554.52	15.77
		For Work In Restricted Working Space, Add	*7.08*	
		For Galvanized Fittings, Add	*80.70*	
23 21 13 23-1952	EA	3" x 1-1/2", Grooved Concentric Reducer	518.70	16.87
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized Fittings, Add	*74.99*	
23 21 13 23-1953	EA	3" x 2", Grooved Concentric Reducer	101.52	18.75
		For Work In Restricted Working Space, Add	*8.44*	
		For Galvanized Fittings, Add	*11.16*	
23 21 13 23-1954	EA	3" x 2-1/2", Grooved Concentric Reducer	134.66	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*15.37*	
23 21 13 23-1955	EA	3-1/2" x 3", Grooved Concentric Reducer	143.89	24.10
		For Work In Restricted Working Space, Add	*10.83*	
		For Galvanized Fittings, Add	*16.38*	
23 21 13 23-1956	EA	4" x 1", Grooved Concentric Reducer	139.57	18.96
		For Work In Restricted Working Space, Add	*8.54*	
		For Galvanized Fittings, Add	*19.05*	
23 21 13 23-1957	EA	4" x 1-1/4", Grooved Concentric Reducer	907.42	19.45
		For Work In Restricted Working Space, Add	*8.75*	
		For Galvanized Fittings, Add	*150.62*	
23 21 13 23-1958	EA	4" x 1-1/2", Grooved Concentric Reducer	702.34	20.63
		For Work In Restricted Working Space, Add	*9.27*	
		For Galvanized Fittings, Add	*115.15*	
23 21 13 23-1959	EA	4" x 2", Grooved Concentric Reducer	131.41	22.50
		For Work In Restricted Working Space, Add	*10.11*	
		For Galvanized Fittings, Add	*16.76*	
23 21 13 23-1960	EA	4" x 2-1/2", Grooved Concentric Reducer	158.60	24.10
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1961	EA	4" x 3", Grooved Concentric Reducer	161.38	25.98
		For Work In Restricted Working Space, Add	*11.67*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1962	EA	4" x 3-1/2", Grooved Concentric Reducer	164.15	27.78
		For Work In Restricted Working Space, Add	*12.50*	
		For Galvanized Fittings, Add	*21.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1963	EA	5" x 2", Grooved Concentric Reducer	1,275.20	26.18
		For Work In Restricted Working Space, Add	*11.77*	
		For Galvanized Fittings, Add	*211.97*	
23 21 13 23-1964	EA	5" x 2-1/2", Grooved Concentric Reducer	1,000.62	27.78
		For Work In Restricted Working Space, Add	*12.50*	
		For Galvanized Fittings, Add	*164.46*	
23 21 13 23-1965	EA	5" x 3", Grooved Concentric Reducer	187.82	29.65
		For Work In Restricted Working Space, Add	*13.34*	
		For Galvanized Fittings, Add	*24.59*	
23 21 13 23-1966	EA	5" x 4", Grooved Concentric Reducer	221.23	33.33
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*29.37*	
23 21 13 23-1967	EA	6" x 1", Grooved Concentric Reducer	270.08	28.27
		For Work In Restricted Working Space, Add	*12.71*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1968	EA	6" x 1-1/2", Grooved Concentric Reducer	1,344.32	29.86
		For Work In Restricted Working Space, Add	*13.44*	
		For Galvanized Fittings, Add	*242.49*	
23 21 13 23-1969	EA	6" x 2", Grooved Concentric Reducer	275.29	31.74
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1970	EA	6" x 2-1/2", Grooved Concentric Reducer	1,356.93	33.33
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*243.87*	
23 21 13 23-1971	EA	6" x 3", Grooved Concentric Reducer	280.51	35.21
		For Work In Restricted Working Space, Add	*15.84*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1972	EA	6" x 4", Grooved Concentric Reducer	256.65	38.90
		For Work In Restricted Working Space, Add	*17.50*	
		For Galvanized Fittings, Add	*37.00*	
23 21 13 23-1973	EA	6" x 5", Grooved Concentric Reducer	357.28	42.64
		For Work In Restricted Working Space, Add	*19.17*	
		For Galvanized Fittings, Add	*54.74*	
23 21 13 23-1974	EA	8" x 3", Grooved Concentric Reducer	466.63	39.86
		For Work In Restricted Working Space, Add	*17.92*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1975	EA	8" x 4", Grooved Concentric Reducer	472.17	43.54
		For Work In Restricted Working Space, Add	*19.58*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1976	EA	8" x 5", Grooved Concentric Reducer	477.73	47.23
		For Work In Restricted Working Space, Add	*21.25*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1977	EA	8" x 6", Grooved Concentric Reducer	598.05	52.78
		For Work In Restricted Working Space, Add	*23.75*	
		For Galvanized Fittings, Add	*96.82*	
23 21 13 23-1978	EA	10" x 4", Grooved Concentric Reducer	1,041.37	48.41
		For Work In Restricted Working Space, Add	*21.77*	
		For Galvanized Fittings, Add	*180.78*	
23 21 13 23-1979	EA	10" x 5", Grooved Concentric Reducer	2,213.69	52.09
		For Work In Restricted Working Space, Add	*23.44*	
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-1980	EA	10" x 6", Grooved Concentric Reducer	1,145.90	57.64
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1981	EA	10" x 8", Grooved Concentric Reducer	1,152.82	62.29
		For Work In Restricted Working Space, Add	*28.02*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1982	EA	12" x 4", Grooved Concentric Reducer	3,289.66	55.14
		For Work In Restricted Working Space, Add	*24.79*	
		For Galvanized Fittings, Add	*481.05*	
23 21 13 23-1983	EA	12" x 6", Grooved Concentric Reducer	1,360.11	64.38
		For Work In Restricted Working Space, Add	*28.95*	
		For Galvanized Fittings, Add	*189.54*	
23 21 13 23-1984	EA	12" x 8", Grooved Concentric Reducer	2,001.57	69.03
		For Work In Restricted Working Space, Add	*31.04*	
		For Galvanized Fittings, Add	*284.72*	
23 21 13 23-1985	EA	12" x 10", Grooved Concentric Reducer	2,008.91	73.90
		For Work In Restricted Working Space, Add	*33.24*	
		For Galvanized Fittings, Add	*284.72*	
23 21 13 23-1986	EA	14" x 6", Grooved Concentric Reducer	6,544.27	69.38
		For Work In Restricted Working Space, Add	*31.21*	
		For Galvanized Fittings, Add	*197.72*	
23 21 13 23-1987	EA	14" x 8", Grooved Concentric Reducer	3,891.19	74.03
		For Work In Restricted Working Space, Add	*33.30*	
		For Galvanized Fittings, Add	*116.05*	
23 21 13 23-1988	EA	14" x 10", Grooved Concentric Reducer	3,310.04	78.89
		For Work In Restricted Working Space, Add	*35.48*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1989	EA	14" x 12", Grooved Concentric Reducer	3,320.09	85.56
		For Work In Restricted Working Space, Add	*38.50*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1990	EA	16" x 8", Grooved Concentric Reducer	5,942.75	78.96
		For Work In Restricted Working Space, Add	*35.53*	
		For Galvanized Fittings, Add	*178.81*	
23 21 13 23-1991	EA	16" x 10", Grooved Concentric Reducer	5,510.63	83.82
		For Work In Restricted Working Space, Add	*37.72*	
		For Galvanized Fittings, Add	*165.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1992	EA	16" x 12", Grooved Concentric Reducer	5,090.00	90.56
		For Work In Restricted Working Space, Add	*40.73*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1993	EA	16" x 14", Grooved Concentric Reducer	5,097.50	95.56
		For Work In Restricted Working Space, Add	*42.98*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1994	EA	18" x 10", Grooved Concentric Reducer	7,736.56	88.48
		For Work In Restricted Working Space, Add	*39.79*	
		For Galvanized Fittings, Add	*233.44*	
23 21 13 23-1995	EA	18" x 12", Grooved Concentric Reducer	6,998.77	95.14
		For Work In Restricted Working Space, Add	*42.80*	
		For Galvanized Fittings, Add	*210.48*	
23 21 13 23-1996	EA	18" x 14", Grooved Concentric Reducer	6,356.98	100.15
		For Work In Restricted Working Space, Add	*45.06*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1997	EA	18" x 16", Grooved Concentric Reducer	6,364.49	105.21
		For Work In Restricted Working Space, Add	*47.31*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1998	EA	20" x 10", Grooved Concentric Reducer	8,518.08	90.77
		For Work In Restricted Working Space, Add	*40.82*	
		For Galvanized Fittings, Add	*257.33*	
23 21 13 23-1999	EA	20" x 12", Grooved Concentric Reducer	7,292.42	97.50
		For Work In Restricted Working Space, Add	*43.84*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-2000	EA	20" x 14", Grooved Concentric Reducer	7,299.93	102.51
		For Work In Restricted Working Space, Add	*46.10*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-2001	EA	20" x 16", Grooved Concentric Reducer	6,501.05	107.44
		For Work In Restricted Working Space, Add	*48.32*	
		For Galvanized Fittings, Add	*194.64*	
23 21 13 23-2002	EA	20" x 18", Grooved Concentric Reducer	6,928.89	112.09
		For Work In Restricted Working Space, Add	*50.42*	
		For Galvanized Fittings, Add	*207.56*	
23 21 13 23-2003	EA	24" x 10", Grooved Concentric Reducer	18,829.55	100.98
		For Work In Restricted Working Space, Add	*45.41*	
		For Galvanized Fittings, Add	*573.42*	
23 21 13 23-2004	EA	24" x 12", Grooved Concentric Reducer	18,388.56	107.72
		For Work In Restricted Working Space, Add	*48.45*	
		For Galvanized Fittings, Add	*559.57*	
23 21 13 23-2005	EA	24" x 14", Grooved Concentric Reducer	16,016.00	112.65
		For Work In Restricted Working Space, Add	*50.67*	
		For Galvanized Fittings, Add	*486.51*	
23 21 13 23-2006	EA	24" x 16", Grooved Concentric Reducer	16,023.55	117.71
		For Work In Restricted Working Space, Add	*52.93*	
		For Galvanized Fittings, Add	*486.51*	
23 21 13 23-2007	EA	24" x 18", Grooved Concentric Reducer	13,709.74	122.30
		For Work In Restricted Working Space, Add	*55.00*	
		For Galvanized Fittings, Add	*415.26*	
23 21 13 23-2008	EA	24" x 20", Grooved Concentric Reducer	12,515.13	124.66
		For Work In Restricted Working Space, Add	*56.07*	
		For Galvanized Fittings, Add	*378.48*	

23 21 13 23-2009 Grooved Eccentric Reducers *(23 21 13 23-1915)*

Note: Victaulic No. 51

23 21 13 23-2010	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	418.49	9.51
		For Work In Restricted Working Space, Add	*4.27*	
		For Galvanized Fittings, Add	*48.59*	
23 21 13 23-2011	EA	1-1/2" x 1", Grooved Eccentric Reducer	379.83	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Galvanized Fittings, Add	*43.86*	
23 21 13 23-2012	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	372.56	10.42
		For Work In Restricted Working Space, Add	*4.69*	
		For Galvanized Fittings, Add	*42.90*	
23 21 13 23-2013	EA	2" x 3/4", Grooved Eccentric Reducer	802.53	11.32
		For Work In Restricted Working Space, Add	*5.11*	
		For Galvanized Fittings, Add	*94.42*	
23 21 13 23-2014	EA	2" x 1", Grooved Eccentric Reducer	420.63	11.81
		For Work In Restricted Working Space, Add	*5.31*	
		For Galvanized Fittings, Add	*48.43*	
23 21 13 23-2015	EA	2" x 1-1/4", Grooved Eccentric Reducer	460.12	12.30
		For Work In Restricted Working Space, Add	*5.52*	
		For Galvanized Fittings, Add	*53.09*	
23 21 13 23-2016	EA	2" x 1-1/2", Grooved Eccentric Reducer	390.29	13.68
		For Work In Restricted Working Space, Add	*6.16*	
		For Galvanized Fittings, Add	*44.45*	
23 21 13 23-2017	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	1,044.54	12.78
		For Work In Restricted Working Space, Add	*5.75*	
		For Galvanized Fittings, Add	*123.25*	
23 21 13 23-2018	EA	2-1/2" x 1", Grooved Eccentric Reducer	975.14	13.26
		For Work In Restricted Working Space, Add	*5.95*	
		For Galvanized Fittings, Add	*114.83*	
23 21 13 23-2019	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	575.34	13.68
		For Work In Restricted Working Space, Add	*6.16*	
		For Galvanized Fittings, Add	*66.69*	
23 21 13 23-2020	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	462.19	15.07
		For Work In Restricted Working Space, Add	*6.77*	
		For Galvanized Fittings, Add	*52.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2021	EA	2-1/2" x 2", Grooved Eccentric Reducer	202.44	16.87
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized Fittings, Add	*21.29*	
23 21 13 23-2022	EA	3" x 1", Grooved Eccentric Reducer	1,047.61	15.28
		For Work In Restricted Working Space, Add	*6.87*	
		For Galvanized Fittings, Add	*123.17*	
23 21 13 23-2023	EA	3" x 1-1/4", Grooved Eccentric Reducer	951.25	15.77
		For Work In Restricted Working Space, Add	*7.08*	
		For Galvanized Fittings, Add	*111.50*	
23 21 13 23-2024	EA	3" x 1-1/2", Grooved Eccentric Reducer	533.84	16.87
		For Work In Restricted Working Space, Add	*7.61*	
		For Galvanized Fittings, Add	*61.12*	
23 21 13 23-2025	EA	3" x 2", Grooved Eccentric Reducer	231.63	18.75
		For Work In Restricted Working Space, Add	*8.44*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-2026	EA	3" x 2-1/2", Grooved Eccentric Reducer	237.02	22.37
		For Work In Restricted Working Space, Add	*10.05*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-2027	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,161.97	24.10
		For Work In Restricted Working Space, Add	*10.83*	
		For Galvanized Fittings, Add	*135.33*	
23 21 13 23-2028	EA	4" x 1", Grooved Eccentric Reducer	2,105.55	18.96
		For Work In Restricted Working Space, Add	*8.54*	
		For Galvanized Fittings, Add	*356.22*	
23 21 13 23-2029	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,287.10	20.63
		For Work In Restricted Working Space, Add	*9.27*	
		For Galvanized Fittings, Add	*215.44*	
23 21 13 23-2030	EA	4" x 2", Grooved Eccentric Reducer	282.52	22.50
		For Work In Restricted Working Space, Add	*10.11*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2031	EA	4" x 2-1/2", Grooved Eccentric Reducer	284.95	24.10
		For Work In Restricted Working Space, Add	*10.84*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2032	EA	4" x 3", Grooved Eccentric Reducer	287.73	25.98
		For Work In Restricted Working Space, Add	*11.67*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2033	EA	5" x 2", Grooved Eccentric Reducer	1,424.43	26.18
		For Work In Restricted Working Space, Add	*11.77*	
		For Galvanized Fittings, Add	*237.56*	
23 21 13 23-2034	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,221.81	27.78
		For Work In Restricted Working Space, Add	*12.50*	
		For Galvanized Fittings, Add	*202.39*	
23 21 13 23-2035	EA	5" x 3", Grooved Eccentric Reducer	1,184.35	29.65
		For Work In Restricted Working Space, Add	*13.34*	
		For Galvanized Fittings, Add	*195.49*	
23 21 13 23-2036	EA	5" x 4", Grooved Eccentric Reducer	388.92	33.33
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*58.12*	
23 21 13 23-2037	EA	6" x 1", Grooved Eccentric Reducer	2,195.71	28.27
		For Work In Restricted Working Space, Add	*12.71*	
		For Galvanized Fittings, Add	*401.82*	
23 21 13 23-2038	EA	6" x 2", Grooved Eccentric Reducer	2,011.34	31.74
		For Work In Restricted Working Space, Add	*14.27*	
		For Galvanized Fittings, Add	*366.44*	
23 21 13 23-2039	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,388.39	33.33
		For Work In Restricted Working Space, Add	*15.00*	
		For Galvanized Fittings, Add	*436.34*	
23 21 13 23-2040	EA	6" x 3", Grooved Eccentric Reducer	504.02	35.21
		For Work In Restricted Working Space, Add	*15.84*	
		For Galvanized Fittings, Add	*84.20*	
23 21 13 23-2041	EA	6" x 4", Grooved Eccentric Reducer	453.30	38.90
		For Work In Restricted Working Space, Add	*17.50*	
		For Galvanized Fittings, Add	*73.70*	
23 21 13 23-2042	EA	6" x 5", Grooved Eccentric Reducer	537.68	42.64
		For Work In Restricted Working Space, Add	*19.17*	
		For Galvanized Fittings, Add	*88.41*	
23 21 13 23-2043	EA	8" x 3", Grooved Eccentric Reducer	2,341.42	39.86
		For Work In Restricted Working Space, Add	*17.92*	
		For Galvanized Fittings, Add	*425.76*	
23 21 13 23-2044	EA	8" x 4", Grooved Eccentric Reducer	2,059.33	43.54
		For Work In Restricted Working Space, Add	*19.58*	
		For Galvanized Fittings, Add	*372.09*	
23 21 13 23-2045	EA	8" x 5", Grooved Eccentric Reducer	1,927.37	47.23
		For Work In Restricted Working Space, Add	*21.25*	
		For Galvanized Fittings, Add	*346.43*	
23 21 13 23-2046	EA	8" x 6", Grooved Eccentric Reducer	880.04	52.78
		For Work In Restricted Working Space, Add	*23.75*	
		For Galvanized Fittings, Add	*149.44*	
23 21 13 23-2047	EA	10" x 4", Grooved Eccentric Reducer	3,731.72	48.41
		For Work In Restricted Working Space, Add	*21.77*	
		For Galvanized Fittings, Add	*682.80*	
23 21 13 23-2048	EA	10" x 5", Grooved Eccentric Reducer	3,525.60	52.09
		For Work In Restricted Working Space, Add	*23.44*	
		For Galvanized Fittings, Add	*643.30*	
23 21 13 23-2049	EA	10" x 6", Grooved Eccentric Reducer	2,686.18	57.64
		For Work In Restricted Working Space, Add	*25.94*	
		For Galvanized Fittings, Add	*485.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2050	EA	10" x 8", Grooved Eccentric Reducer	2,293.72	62.29
		For Work In Restricted Working Space, Add	*28.02*	
		For Galvanized Fittings, Add	*410.58*	
23 21 13 23-2051	EA	12" x 4", Grooved Eccentric Reducer	3,803.34	55.14
		For Work In Restricted Working Space, Add	*24.79*	
		For Galvanized Fittings, Add	*561.46*	
23 21 13 23-2052	EA	12" x 6", Grooved Eccentric Reducer	3,569.50	64.38
		For Work In Restricted Working Space, Add	*28.95*	
		For Galvanized Fittings, Add	*524.07*	
23 21 13 23-2053	EA	12" x 8", Grooved Eccentric Reducer	3,487.58	69.03
		For Work In Restricted Working Space, Add	*31.04*	
		For Galvanized Fittings, Add	*510.66*	
23 21 13 23-2054	EA	12" x 10", Grooved Eccentric Reducer	3,141.96	73.90
		For Work In Restricted Working Space, Add	*33.24*	
		For Galvanized Fittings, Add	*457.40*	
23 21 13 23-2055	EA	14" x 6", Grooved Eccentric Reducer	8,866.97	69.38
		For Work In Restricted Working Space, Add	*31.21*	
		For Galvanized Fittings, Add	*269.02*	
23 21 13 23-2056	EA	14" x 8", Grooved Eccentric Reducer	5,713.36	74.03
		For Work In Restricted Working Space, Add	*33.30*	
		For Galvanized Fittings, Add	*171.99*	
23 21 13 23-2057	EA	14" x 10", Grooved Eccentric Reducer	5,451.34	78.89
		For Work In Restricted Working Space, Add	*35.48*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2058	EA	14" x 12", Grooved Eccentric Reducer	5,461.39	85.56
		For Work In Restricted Working Space, Add	*38.50*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2059	EA	16" x 8", Grooved Eccentric Reducer	9,796.00	78.96
		For Work In Restricted Working Space, Add	*35.53*	
		For Galvanized Fittings, Add	*297.10*	
23 21 13 23-2060	EA	16" x 10", Grooved Eccentric Reducer	9,068.52	83.82
		For Work In Restricted Working Space, Add	*37.72*	
		For Galvanized Fittings, Add	*274.54*	
23 21 13 23-2061	EA	16" x 12", Grooved Eccentric Reducer	8,538.78	90.56
		For Work In Restricted Working Space, Add	*40.73*	
		For Galvanized Fittings, Add	*257.97*	
23 21 13 23-2062	EA	16" x 14", Grooved Eccentric Reducer	8,546.28	95.56
		For Work In Restricted Working Space, Add	*42.98*	
		For Galvanized Fittings, Add	*257.97*	
23 21 13 23-2063	EA	18" x 10", Grooved Eccentric Reducer	12,295.73	88.48
		For Work In Restricted Working Space, Add	*39.79*	
		For Galvanized Fittings, Add	*373.41*	
23 21 13 23-2064	EA	18" x 12", Grooved Eccentric Reducer	11,563.80	95.14
		For Work In Restricted Working Space, Add	*42.80*	
		For Galvanized Fittings, Add	*350.63*	
23 21 13 23-2065	EA	18" x 14", Grooved Eccentric Reducer	10,526.82	100.15
		For Work In Restricted Working Space, Add	*45.06*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2066	EA	18" x 16", Grooved Eccentric Reducer	10,534.33	105.21
		For Work In Restricted Working Space, Add	*47.31*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2067	EA	20" x 10", Grooved Eccentric Reducer	16,164.12	90.77
		For Work In Restricted Working Space, Add	*40.82*	
		For Galvanized Fittings, Add	*492.06*	
23 21 13 23-2068	EA	20" x 12", Grooved Eccentric Reducer	12,001.93	97.50
		For Work In Restricted Working Space, Add	*43.84*	
		For Galvanized Fittings, Add	*363.97*	
23 21 13 23-2069	EA	20" x 14", Grooved Eccentric Reducer	11,268.26	102.51
		For Work In Restricted Working Space, Add	*46.10*	
		For Galvanized Fittings, Add	*341.22*	
23 21 13 23-2070	EA	20" x 16", Grooved Eccentric Reducer	11,095.82	107.44
		For Work In Restricted Working Space, Add	*48.32*	
		For Galvanized Fittings, Add	*335.70*	
23 21 13 23-2071	EA	20" x 18", Grooved Eccentric Reducer	10,683.88	112.09
		For Work In Restricted Working Space, Add	*50.42*	
		For Galvanized Fittings, Add	*322.84*	
23 21 13 23-2072	EA	24" x 12", Grooved Eccentric Reducer	23,364.14	107.72
		For Work In Restricted Working Space, Add	*48.45*	
		For Galvanized Fittings, Add	*712.32*	
23 21 13 23-2073	EA	24" x 14", Grooved Eccentric Reducer	19,944.20	112.65
		For Work In Restricted Working Space, Add	*50.67*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2074	EA	24" x 16", Grooved Eccentric Reducer	19,951.75	117.71
		For Work In Restricted Working Space, Add	*52.93*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2075	EA	24" x 18", Grooved Eccentric Reducer	18,836.10	122.30
		For Work In Restricted Working Space, Add	*55.00*	
		For Galvanized Fittings, Add	*572.64*	
23 21 13 23-2076	EA	24" x 20", Grooved Eccentric Reducer	17,208.50	124.66
		For Work In Restricted Working Space, Add	*56.07*	
		For Galvanized Fittings, Add	*522.56*	

23 21 13 23-2077 Grooved, Close Nipple *(23 21 13 23-1915)*
Note: Victaulic No. 143

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2078	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	56.82	9.16
		For Work In Restricted Working Space, Add	*4.17*	
		For Galvanized Fittings, Add	*7.73*	
		For 300 Lb. Rating, Add	*6.44*	
		For Galvanized Fittings, Add	*10.99*	
23 21 13 23-2079	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	64.14	11.46
		For Work In Restricted Working Space, Add	*5.21*	
		For Galvanized Fittings, Add	*8.42*	
		For 300 Lb. Rating, Add	*7.02*	
		For Galvanized Fittings, Add	*11.98*	
23 21 13 23-2080	EA	2" Ductile Iron, Grooved, Close Nipple	79.31	15.13
		For Work In Restricted Working Space, Add	*6.88*	
		For Galvanized Fittings, Add	*10.15*	
		For 300 Lb. Rating, Add	*8.46*	
		For Galvanized Fittings, Add	*14.44*	
23 21 13 23-2081	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	94.42	18.34
		For Work In Restricted Working Space, Add	*8.33*	
		For Galvanized Fittings, Add	*12.00*	
		For 300 Lb. Rating, Add	*10.00*	
		For Galvanized Fittings, Add	*17.06*	

23 21 13 23-2082 Grooved Caps *(23 21 13 23-1915)*

Note: Victaulic No. 60

23 21 13 23-2083	EA	1" Carbon Steel Grooved Cap	137.45	2.85
		For Work In Restricted Working Space, Add	*1.71*	
23 21 13 23-2084	EA	1-1/4" Carbon Steel Grooved Cap	138.83	3.54
		For Work In Restricted Working Space, Add	*2.12*	
23 21 13 23-2085	EA	1-1/2" Carbon Steel Grooved Cap	140.37	4.30
		For Work In Restricted Working Space, Add	*2.59*	
23 21 13 23-2086	EA	2" Carbon Steel Grooved Cap	143.07	5.70
		For Work In Restricted Working Space, Add	*3.40*	
23 21 13 23-2087	EA	2-1/2" Carbon Steel Grooved Cap	145.57	6.95
		For Work In Restricted Working Space, Add	*4.15*	
23 21 13 23-2088	EA	3" Carbon Steel Grooved Cap	148.48	8.40
		For Work In Restricted Working Space, Add	*5.02*	
23 21 13 23-2089	EA	4" Carbon Steel Grooved Cap	162.51	11.11
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-2090	EA	5" Carbon Steel Grooved Cap	350.21	13.82
		For Work In Restricted Working Space, Add	*8.29*	
23 21 13 23-2091	EA	6" Carbon Steel Grooved Cap	358.31	18.13
		For Work In Restricted Working Space, Add	*10.85*	
23 21 13 23-2092	EA	8" Carbon Steel Grooved Cap	655.59	21.53
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-2093	EA	10" Carbon Steel Grooved Cap	1,118.45	25.14
		For Work In Restricted Working Space, Add	*15.06*	
23 21 13 23-2094	EA	12" Carbon Steel Grooved Cap	1,928.03	30.14
		For Work In Restricted Working Space, Add	*18.08*	

23 21 13 23-2095 Grooved Couplings *(23 21 13 23-1672)*

23 21 13 23-2096 Flexible Grooved Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 77

23 21 13 23-2097	EA	3/4" Grooved Standard Coupling	21.45	3.75
		For Work In Restricted Working Space, Add	*1.70*	
		For Galvanized Fittings, Add	*4.42*	
23 21 13 23-2098	EA	1" Grooved Standard Coupling	21.45	3.75
		For Work In Restricted Working Space, Add	*1.70*	
		For Galvanized Fittings, Add	*4.42*	
23 21 13 23-2099	EA	1-1/4" Grooved Standard Coupling	28.07	4.72
		For Work In Restricted Working Space, Add	*2.13*	
		For Galvanized Fittings, Add	*5.87*	
23 21 13 23-2100	EA	1-1/2" Grooved Standard Coupling	31.40	5.62
		For Work In Restricted Working Space, Add	*2.54*	
		For Galvanized Fittings, Add	*6.42*	
23 21 13 23-2101	EA	2" Grooved Standard Coupling	35.58	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*6.78*	
23 21 13 23-2102	EA	2-1/2" Grooved Standard Coupling	42.82	9.24
		For Work In Restricted Working Space, Add	*4.15*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2103	EA	3" Grooved Standard Coupling	45.51	11.05
		For Work In Restricted Working Space, Add	*4.95*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2104	EA	3-1/2" Grooved Standard Coupling	66.13	12.92
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2105	EA	4" Grooved Standard Coupling	68.84	14.72
		For Work In Restricted Working Space, Add	*6.63*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2106	EA	5" Grooved Standard Coupling	99.29	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*20.06*	
23 21 13 23-2107	EA	6" Grooved Standard Coupling	120.86	24.10
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*23.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2108	EA	8" Grooved Standard Coupling	181.11	28.75
		For Work In Restricted Working Space, Add	*12.92*	
		For Galvanized Fittings, Add	*38.65*	
23 21 13 23-2109	EA	10" Grooved Standard Coupling	281.10	34.45
		For Work In Restricted Working Space, Add	*15.50*	
		For Galvanized Fittings, Add	*64.24*	
23 21 13 23-2110	EA	12" Grooved Standard Coupling	317.73	37.71
		For Work In Restricted Working Space, Add	*16.95*	
		For Galvanized Fittings, Add	*73.14*	
23 21 13 23-2111	EA	14" Grooved Standard Coupling	392.70	50.28
		For Work In Restricted Working Space, Add	*22.61*	
		For Galvanized Fittings, Add	*88.86*	
23 21 13 23-2112	EA	16" Grooved Standard Coupling	506.67	60.35
		For Work In Restricted Working Space, Add	*27.13*	
		For Galvanized Fittings, Add	*116.55*	
23 21 13 23-2113	EA	18" Grooved Standard Coupling	587.95	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*136.49*	
23 21 13 23-2114	EA	20" Grooved Standard Coupling	879.93	75.42
		For Work In Restricted Working Space, Add	*33.91*	
		For Galvanized Fittings, Add	*214.73*	
23 21 13 23-2115	EA	24" Grooved Standard Coupling	980.13	92.78
		For Work In Restricted Working Space, Add	*41.74*	
		For Galvanized Fittings, Add	*235.48*	

23 21 13 23-2116 Zero-Flex® Rigid Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 07

23 21 13 23-2117	EA	1" Grooved Rigid Coupling	27.62	3.75
		For Work In Restricted Working Space, Add	*1.70*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2118	EA	1-1/4" Grooved Rigid Coupling	29.03	4.72
		For Work In Restricted Working Space, Add	*2.13*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2119	EA	1-1/2" Grooved Rigid Coupling	30.41	5.62
		For Work In Restricted Working Space, Add	*2.54*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2120	EA	2" Grooved Rigid Coupling	33.85	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*5.51*	
23 21 13 23-2121	EA	2-1/2" Grooved Rigid Coupling	39.76	9.24
		For Work In Restricted Working Space, Add	*4.15*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2122	EA	3" Grooved Rigid Coupling	42.45	11.05
		For Work In Restricted Working Space, Add	*4.95*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2123	EA	3-1/2" Grooved Rigid Coupling	49.71	12.92
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*7.43*	
23 21 13 23-2124	EA	4" Grooved Rigid Coupling	65.06	14.72
		For Work In Restricted Working Space, Add	*6.63*	
		For Galvanized Fittings, Add	*10.52*	
23 21 13 23-2125	EA	5" Grooved Rigid Coupling	83.43	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*13.67*	
23 21 13 23-2126	EA	6" Grooved Rigid Coupling	110.72	24.10
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*18.26*	
23 21 13 23-2127	EA	8" Grooved Rigid Coupling	160.52	28.75
		For Work In Restricted Working Space, Add	*12.92*	
		For Galvanized Fittings, Add	*28.78*	
23 21 13 23-2128	EA	10" Grooved Rigid Coupling	262.13	34.45
		For Work In Restricted Working Space, Add	*15.50*	
		For Galvanized Fittings, Add	*51.56*	
23 21 13 23-2129	EA	12" Grooved Rigid Coupling	292.03	37.71
		For Work In Restricted Working Space, Add	*16.95*	
		For Galvanized Fittings, Add	*57.70*	
23 21 13 23-2130	EA	14" Grooved Rigid Coupling	383.06	50.28
		For Work In Restricted Working Space, Add	*22.61*	
		For Galvanized Fittings, Add	*75.39*	
23 21 13 23-2131	EA	16" Grooved Rigid Coupling	491.73	60.35
		For Work In Restricted Working Space, Add	*27.13*	
		For Galvanized Fittings, Add	*98.32*	
23 21 13 23-2132	EA	18" Grooved Rigid Coupling	564.39	67.02
		For Work In Restricted Working Space, Add	*30.14*	
		For Galvanized Fittings, Add	*113.66*	
23 21 13 23-2133	EA	20" Grooved Rigid Coupling	665.36	75.42
		For Work In Restricted Working Space, Add	*33.91*	
		For Galvanized Fittings, Add	*135.32*	
23 21 13 23-2134	EA	24" Grooved Rigid Coupling	952.66	92.78
		For Work In Restricted Working Space, Add	*41.74*	
		For Galvanized Fittings, Add	*199.32*	

23 21 13 23-2135 Large Diameter Grooved Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 770

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2136	EA	28" Grooved Coupling	1,003.87	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*136.67*	
23 21 13 23-2137	EA	30" Grooved Coupling	1,160.11	24.10
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*157.35*	
23 21 13 23-2138	EA	32" Grooved Coupling	1,726.23	28.75
		For Work In Restricted Working Space, Add	*12.92*	
		For Galvanized Fittings, Add	*235.64*	
23 21 13 23-2139	EA	36" Grooved Coupling	2,294.06	34.45
		For Work In Restricted Working Space, Add	*15.50*	
		For Galvanized Fittings, Add	*313.93*	
23 21 13 23-2140	EA	42" Grooved Coupling	4,591.53	37.71
		For Work In Restricted Working Space, Add	*16.95*	
		For Galvanized Fittings, Add	*634.90*	

23 21 13 23-2141 Flexible Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 75

23 21 13 23-2142	EA	1-1/2" Grooved Flexible Coupling	28.41	5.62
		For Work In Restricted Working Space, Add	*2.54*	
		For Galvanized Fittings, Add	*5.10*	
23 21 13 23-2143	EA	2" Grooved Flexible Coupling	31.80	7.57
		For Work In Restricted Working Space, Add	*3.41*	
		For Galvanized Fittings, Add	*5.24*	
23 21 13 23-2144	EA	2-1/2" Grooved Flexible Coupling	37.52	9.24
		For Work In Restricted Working Space, Add	*4.15*	
		For Galvanized Fittings, Add	*6.07*	
23 21 13 23-2145	EA	3" Grooved Flexible Coupling	44.07	11.05
		For Work In Restricted Working Space, Add	*4.95*	
		For Galvanized Fittings, Add	*7.06*	
23 21 13 23-2146	EA	3-1/2" Grooved Flexible Coupling	58.44	12.92
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2147	EA	4" Grooved Flexible Coupling	61.15	14.72
		For Work In Restricted Working Space, Add	*6.63*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2148	EA	5" Grooved Flexible Coupling	83.98	18.47
		For Work In Restricted Working Space, Add	*8.30*	
		For Galvanized Fittings, Add	*14.42*	
23 21 13 23-2149	EA	6" Grooved Flexible Coupling	104.03	24.10
		For Work In Restricted Working Space, Add	*10.85*	
		For Galvanized Fittings, Add	*17.37*	
23 21 13 23-2150	EA	8" Grooved Flexible Coupling	149.73	28.75
		For Work In Restricted Working Space, Add	*12.92*	
		For Galvanized Fittings, Add	*27.31*	

23 21 13 23-2151 Installation-Ready™ Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 009N

23 21 13 23-2152	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	80.94	3.51
		For Work In Restricted Working Space, Add	*1.59*	
		For Galvanized Fittings, Add	*19.36*	
23 21 13 23-2153	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	83.55	4.19
		For Work In Restricted Working Space, Add	*1.91*	
		For Galvanized Fittings, Add	*19.76*	
23 21 13 23-2154	EA	2" Ductile Iron, Installation-Ready™ Coupling	95.86	5.64
		For Work In Restricted Working Space, Add	*2.56*	
		For Galvanized Fittings, Add	*22.35*	
23 21 13 23-2155	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	110.92	6.83
		For Work In Restricted Working Space, Add	*3.10*	
		For Galvanized Fittings, Add	*25.75*	
23 21 13 23-2156	EA	3" Ductile Iron, Installation-Ready™ Coupling	126.25	8.21
		For Work In Restricted Working Space, Add	*3.73*	
		For Galvanized Fittings, Add	*29.14*	
23 21 13 23-2157	EA	4" Ductile Iron, Installation-Ready™ Coupling	176.43	10.95
		For Work In Restricted Working Space, Add	*4.98*	
		For Galvanized Fittings, Add	*40.92*	
23 21 13 23-2158	EA	5" Ductile Iron, Installation-Ready™ Coupling	282.19	13.70
		For Work In Restricted Working Space, Add	*6.23*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-2159	EA	6" Ductile Iron, Installation-Ready™ Coupling	339.54	17.92
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized Fittings, Add	*79.97*	
23 21 13 23-2160	EA	8" Ductile Iron, Installation-Ready™ Coupling	554.20	21.31
		For Work In Restricted Working Space, Add	*9.69*	
		For Galvanized Fittings, Add	*133.61*	

23 21 13 23-2161 Grooved Strainers And Suction Diffusers *(23 21 13 23-1672)*

23 21 13 23-2162 Grooved Wye Strainers *(23 21 13 23-2161)*

Note: Victaulic Style 732

23 21 13 23-2163	EA	2" Grooved Wye Strainer	2,645.69	15.28
		For Work In Restricted Working Space, Add	*6.81*	
23 21 13 23-2164	EA	2-1/2" Grooved Wye Strainer	2,782.86	18.54
		For Work In Restricted Working Space, Add	*8.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2165	EA	3" Grooved Wye Strainer	3,128.08	22.22
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2166	EA	4" Grooved Wye Strainer	3,547.09	29.65
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-2167	EA	5" Grooved Wye Strainer	5,129.43	37.09
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-2168	EA	6" Grooved Wye Strainer	5,580.95	48.19
		For Work In Restricted Working Space, Add	*21.70*	
23 21 13 23-2169	EA	8" Grooved Wye Strainer	8,531.07	57.44
		For Work In Restricted Working Space, Add	*25.84*	
23 21 13 23-2170	EA	10" Grooved Wye Strainer	13,676.12	67.15
		For Work In Restricted Working Space, Add	*30.14*	
23 21 13 23-2171	EA	12" Grooved Wye Strainer	23,836.12	80.63
		For Work In Restricted Working Space, Add	*36.17*	

23 21 13 23-2172 Grooved Tee Type Strainers *(23 21 13 23-2161)*

Note: Victaulic Style 730

23 21 13 23-2173	EA	1-1/2" Grooved Tee Type Strainer	2,041.32	11.60
		For Work In Restricted Working Space, Add	*5.16*	
23 21 13 23-2174	EA	2" Grooved Tee Type Strainer	2,613.32	15.28
		For Work In Restricted Working Space, Add	*6.81*	
23 21 13 23-2175	EA	2-1/2" Grooved Tee Type Strainer	2,749.22	18.54
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2176	EA	3" Grooved Tee Type Strainer	3,090.07	22.22
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2177	EA	4" Grooved Tee Type Strainer	3,503.99	29.65
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-2178	EA	5" Grooved Tee Type Strainer	5,066.68	37.09
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-2179	EA	6" Grooved Tee Type Strainer	5,513.29	48.19
		For Work In Restricted Working Space, Add	*21.70*	
23 21 13 23-2180	EA	8" Grooved Tee Type Strainer	8,426.32	57.44
		For Work In Restricted Working Space, Add	*25.84*	
23 21 13 23-2181	EA	10" Grooved Tee Type Strainer	12,350.34	67.15
		For Work In Restricted Working Space, Add	*30.14*	
23 21 13 23-2182	EA	12" Grooved Tee Type Strainer	15,889.48	80.63
		For Work In Restricted Working Space, Add	*36.17*	
23 21 13 23-2183	EA	14" Grooved Tee Type Strainer	56,341.96	90.77
		For Work In Restricted Working Space, Add	*40.85*	
23 21 13 23-2184	EA	16" Grooved Tee Type Strainer	70,006.33	100.49
		For Work In Restricted Working Space, Add	*45.21*	
23 21 13 23-2185	EA	18" Grooved Tee Type Strainer	92,045.15	109.80
		For Work In Restricted Working Space, Add	*49.37*	

23 21 13 23-2186 Grooved Suction Diffuser *(23 21 13 23-2161)*

Note: Victaulic Style 731

23 21 13 23-2187	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,404.47	17.15
		For Work In Restricted Working Space, Add	*7.61*	
23 21 13 23-2188	EA	3" Grooved x 2" Flanged Suction Diffuser	5,736.41	18.96
		For Work In Restricted Working Space, Add	*8.44*	
23 21 13 23-2189	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,136.32	22.22
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2190	EA	3" Grooved x 3" Flanged Suction Diffuser	4,193.48	24.10
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-2191	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,544.30	24.10
		For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-2192	EA	4" Grooved x 3" Flanged Suction Diffuser	4,902.80	25.98
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2193	EA	4" Grooved x 4" Flanged Suction Diffuser	5,671.88	25.98
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-2194	EA	5" Grooved x 4" Flanged Suction Diffuser	6,328.97	33.33
		For Work In Restricted Working Space, Add	*15.00*	
23 21 13 23-2195	EA	5" Grooved x 5" Flanged Suction Diffuser	6,650.39	35.21
		For Work In Restricted Working Space, Add	*15.84*	
23 21 13 23-2196	EA	6" Grooved x 4" Flanged Suction Diffuser	6,753.05	38.90
		For Work In Restricted Working Space, Add	*17.50*	
23 21 13 23-2197	EA	6" Grooved x 5" Flanged Suction Diffuser	8,072.38	42.64
		For Work In Restricted Working Space, Add	*19.17*	
23 21 13 23-2198	EA	6" Grooved x 6" Flanged Suction Diffuser	8,383.34	45.42
		For Work In Restricted Working Space, Add	*20.42*	
23 21 13 23-2199	EA	8" Grooved x 5" Flanged Suction Diffuser	8,601.26	47.23
		For Work In Restricted Working Space, Add	*21.25*	
23 21 13 23-2200	EA	8" Grooved x 6" Flanged Suction Diffuser	9,074.44	52.78
		For Work In Restricted Working Space, Add	*23.75*	
23 21 13 23-2201	EA	8" Grooved x 8" Flanged Suction Diffuser	15,565.86	57.44
		For Work In Restricted Working Space, Add	*25.84*	
23 21 13 23-2202	EA	10" Grooved x 8" Flanged Suction Diffuser	17,560.34	62.09
		For Work In Restricted Working Space, Add	*28.02*	
23 21 13 23-2203	EA	10" Grooved x 10" Flanged Suction Diffuser	21,144.33	64.38
		For Work In Restricted Working Space, Add	*28.95*	
23 21 13 23-2204	EA	12" Grooved x 10" Flanged Suction Diffuser	25,024.83	74.10
		For Work In Restricted Working Space, Add	*33.24*	
23 21 13 23-2205	EA	12" Grooved x 12" Flanged Suction Diffuser	34,772.05	78.76
		For Work In Restricted Working Space, Add	*35.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2206	EA	14" Grooved x 10" Flanged Suction Diffuser	32,369.53	78.76
		For Work In Restricted Working Space, Add	*35.48*	
23 21 13 23-2207	EA	14" Grooved x 12" Flanged Suction Diffuser	36,155.22	85.69
		For Work In Restricted Working Space, Add	*38.50*	
23 21 13 23-2208	EA	14" Grooved x 14" Flanged Suction Diffuser	43,885.79	90.77
		For Work In Restricted Working Space, Add	*40.73*	
23 21 13 23-2209	EA	16" Grooved x 14" Flanged Suction Diffuser	45,177.78	95.42
		For Work In Restricted Working Space, Add	*42.98*	

23 21 13 23-2210 Grooved Steel Valves *(23 21 13 23-1672)*

23 21 13 23-2211 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2210)*

23 21 13 23-2212	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	283.56	7.57
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2213	EA	2" Butterfly Valve, Grooved, With Standard Trim	287.14	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2214	EA	3" Butterfly Valve, Grooved, With Standard Trim	472.55	14.72
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2215	EA	4" Butterfly Valve, Grooved, With Standard Trim	635.09	19.38
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2216	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,395.67	31.74
		For Work In Restricted Working Space, Add	*14.28*	
23 21 13 23-2217	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,933.55	44.65
		For Work In Restricted Working Space, Add	*20.09*	
23 21 13 23-2218	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,909.72	60.35
		For Work In Restricted Working Space, Add	*27.13*	

23 21 13 23-2219 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2210)*

23 21 13 23-2220	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	429.38	7.57
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2221	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	432.96	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2222	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	670.22	14.72
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2223	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	852.21	19.38
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2224	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,635.47	31.74
		For Work In Restricted Working Space, Add	*14.28*	
23 21 13 23-2225	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,724.25	44.65
		For Work In Restricted Working Space, Add	*20.09*	
23 21 13 23-2226	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,303.16	60.35
		For Work In Restricted Working Space, Add	*27.13*	

23 21 13 23-2227 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2210)*

Note: Victaulic No. 721

23 21 13 23-2228	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	238.23	7.44
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2229	EA	2" Ball Valve, Grooved, With Standard Trim	271.78	10.21
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2230	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	629.38	12.50
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2231	EA	3" Ball Valve, Grooved, With Standard Trim	1,037.10	14.79
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2232	EA	4" Ball Valve, Grooved, With Standard Trim	1,618.15	19.45
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2233	EA	6" Ball Valve, Grooved, With Standard Trim	5,056.30	31.95
		For Work In Restricted Working Space, Add	*14.28*	

23 21 13 23-2234 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2210)*

Note: Victaulic No. 721

23 21 13 23-2235	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	254.20	7.44
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2236	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	437.57	10.21
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2237	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,152.15	12.50
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2238	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,491.15	14.79
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2239	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,037.74	19.45
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2240	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,576.23	31.95
		For Work In Restricted Working Space, Add	*14.28*	

23 21 13 23-2241 Grooved Check Valves *(23 21 13 23-2210)*

Note: Victaulic No. 712

23 21 13 23-2242	EA	2" Check Valve, Grooved	363.05	10.21
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2243	EA	2-1/2" Check Valve, Grooved	592.52	12.50
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2244	EA	3" Check Valve, Grooved	690.21	14.79
		For Work In Restricted Working Space, Add	*6.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2245	EA	4" Check Valve, Grooved	979.66	19.45
		For Work In Restricted Working Space, Add	*8.73*	

23 21 13 23-2246 Grooved Vic-Check Check Valves *(23 21 13 23-2210)*

Note: Victaulic No. 716

23 21 13 23-2247	EA	2-1/2" "Vic-Check" Check Valve, Grooved	471.28	12.50
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2248	EA	3" "Vic-Check" Check Valve, Grooved	474.64	14.79
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2249	EA	4" "Vic-Check" Check Valve, Grooved	594.02	19.45
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2250	EA	6" "Vic-Check" Check Valve, Grooved	1,163.36	31.95
		For Work In Restricted Working Space, Add	*14.28*	
23 21 13 23-2251	EA	8" "Vic-Check" Check Valve, Grooved	1,591.21	44.45
		For Work In Restricted Working Space, Add	*19.87*	
23 21 13 23-2252	EA	10" "Vic-Check" Check Valve, Grooved	4,502.83	60.22
		For Work In Restricted Working Space, Add	*26.90*	
23 21 13 23-2253	EA	12" "Vic-Check" Check Valve, Grooved	5,333.74	69.52
		For Work In Restricted Working Space, Add	*31.04*	

23 21 13 23-2254 Grooved Plug Valves With Lever Operator *(23 21 13 23-2210)*

Note: Victaulic No. 377

23 21 13 23-2255	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,364.78	14.79
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2256	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,506.57	19.45
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2257	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,697.48	31.95
		For Work In Restricted Working Space, Add	*14.28*	

23 21 13 23-2258 Grooved Plug Valve With Gear Operator *(23 21 13 23-2210)*

Note: Victaulic No. 377

23 21 13 23-2259	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,447.63	14.79
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2260	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,589.51	19.45
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2261	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,780.43	31.95
		For Work In Restricted Working Space, Add	*14.28*	
23 21 13 23-2262	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,052.47	44.45
		For Work In Restricted Working Space, Add	*19.87*	
23 21 13 23-2263	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	7,953.01	60.22
		For Work In Restricted Working Space, Add	*26.90*	
23 21 13 23-2264	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,556.99	69.52
		For Work In Restricted Working Space, Add	*31.04*	

23 21 13 23-2265 Prepare Pipe For Groove *(23 21 13 23-1672)*

23 21 13 23-2266 Cut Grooved Pipe *(23 21 13 23-2265)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2267	EA	Cut 3/4" Groove Pipe	7.27	
		For Work In Restricted Working Space, Add	*2.18*	
23 21 13 23-2268	EA	Cut 1" Groove Pipe	7.90	
		For Work In Restricted Working Space, Add	*2.37*	
23 21 13 23-2269	EA	Cut 1-1/4" Groove Pipe	8.92	
		For Work In Restricted Working Space, Add	*2.68*	
23 21 13 23-2270	EA	Cut 1-1/2" Groove Pipe	9.70	
		For Work In Restricted Working Space, Add	*2.91*	
23 21 13 23-2271	EA	Cut 2" Groove Pipe	10.63	
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-2272	EA	Cut 2-1/2" Groove Pipe	11.52	
		For Work In Restricted Working Space, Add	*3.46*	
23 21 13 23-2273	EA	Cut 3" Groove Pipe	12.56	
		For Work In Restricted Working Space, Add	*3.77*	
23 21 13 23-2274	EA	Cut 3-1/2" Groove Pipe	13.32	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-2275	EA	Cut 4" Groove Pipe	14.18	
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-2276	EA	Cut 5" Groove Pipe	15.36	
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-2277	EA	Cut 6" Groove Pipe	15.80	
		For Work In Restricted Working Space, Add	*4.74*	
23 21 13 23-2278	EA	Cut 8" Groove Pipe	20.48	
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-2279	EA	Cut 10" Groove Pipe	29.10	
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2280	EA	Cut 12" Groove Pipe	36.86	
		For Work In Restricted Working Space, Add	*11.06*	
23 21 13 23-2281	EA	Cut 14" Groove Pipe	55.29	
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-2282	EA	Cut 16" Groove Pipe	58.20	
		For Work In Restricted Working Space, Add	*17.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2283	EA	Cut 18" Groove Pipe	61.44	
		For Work In Restricted Working Space, Add	*18.43*	
23 21 13 23-2284	EA	Cut 20" Groove Pipe	65.05	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-2285	EA	Cut 24" Groove Pipe	73.72	
		For Work In Restricted Working Space, Add	*22.12*	

23 21 13 23-2286 Roll Grooved Pipe *(23 21 13 23-2265)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2287	EA	Roll 3/4" Groove	4.16	
		For Work In Restricted Working Space, Add	*1.25*	
23 21 13 23-2288	EA	Roll 1" Groove	4.85	
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2289	EA	Roll 1-1/4" Groove	5.53	
		For Work In Restricted Working Space, Add	*1.66*	
23 21 13 23-2290	EA	Roll 1-1/2" Groove	6.21	
		For Work In Restricted Working Space, Add	*1.86*	
23 21 13 23-2291	EA	Roll 2" Groove	9.53	
		For Work In Restricted Working Space, Add	*2.86*	
23 21 13 23-2292	EA	Roll 2-1/2" Groove	10.05	
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-2293	EA	Roll 3" Groove	11.06	
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-2294	EA	Roll 3-1/2" Groove	11.77	
		For Work In Restricted Working Space, Add	*3.53*	
23 21 13 23-2295	EA	Roll 4" Groove	12.86	
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-2296	EA	Roll 5" Groove	13.16	
		For Work In Restricted Working Space, Add	*3.95*	
23 21 13 23-2297	EA	Roll 6" Groove	13.82	
		For Work In Restricted Working Space, Add	*4.15*	
23 21 13 23-2298	EA	Roll 8" Groove	16.75	
		For Work In Restricted Working Space, Add	*5.03*	
23 21 13 23-2299	EA	Roll 10" Groove	19.07	
		For Work In Restricted Working Space, Add	*5.72*	
23 21 13 23-2300	EA	Roll 12" Groove	24.05	
		For Work In Restricted Working Space, Add	*7.22*	
23 21 13 23-2301	EA	Roll 14" Groove	36.86	
		For Work In Restricted Working Space, Add	*11.06*	
23 21 13 23-2302	EA	Roll 16" Groove	39.50	
		For Work In Restricted Working Space, Add	*11.85*	
23 21 13 23-2303	EA	Roll 18" Groove	40.96	
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2304	EA	Roll 20" Groove	44.24	
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-2305	EA	Roll 24" Groove	48.08	
		For Work In Restricted Working Space, Add	*14.42*	

23 21 13 23-2306 Standard Gaskets *(23 21 13 23-2265)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2307	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	14.27	
		For Work In Restricted Working Space, Add	*0.87*	
23 21 13 23-2308	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	14.85	
		For Work In Restricted Working Space, Add	*1.04*	
23 21 13 23-2309	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.55	
		For Work In Restricted Working Space, Add	*1.16*	
23 21 13 23-2310	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.07	
		For Work In Restricted Working Space, Add	*1.30*	
23 21 13 23-2311	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.49	
		For Work In Restricted Working Space, Add	*1.43*	
23 21 13 23-2312	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.44	
		For Work In Restricted Working Space, Add	*1.49*	
23 21 13 23-2313	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.42	
		For Work In Restricted Working Space, Add	*1.68*	
23 21 13 23-2314	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	27.55	
		For Work In Restricted Working Space, Add	*1.83*	
23 21 13 23-2315	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	27.89	
		For Work In Restricted Working Space, Add	*1.93*	
23 21 13 23-2316	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	34.65	
		For Work In Restricted Working Space, Add	*1.98*	
23 21 13 23-2317	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	37.25	
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-2318	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	50.52	
		For Work In Restricted Working Space, Add	*2.60*	
23 21 13 23-2319	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	63.29	
		For Work In Restricted Working Space, Add	*2.89*	
23 21 13 23-2320	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	74.73	
		For Work In Restricted Working Space, Add	*3.72*	
23 21 13 23-2321	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	104.45	
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2322	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	139.11	
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-2323	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	164.61	
		For Work In Restricted Working Space, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2324	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	243.54	
		For Work In Restricted Working Space, Add	*6.51*	
23 21 13 23-2325	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	333.12	
		For Work In Restricted Working Space, Add	*7.44*	

23 21 13 23-2326 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2327 Grooved Fittings *(23 21 13 23-2326)*

23 21 13 23-2328 Grooved 90 Degree Elbows *(23 21 13 23-2327)*

23 21 13 23-2329	EA	2" Copper 90 Degree Elbow, Grooved	141.66	11.32
		For Work In Restricted Working Space, Add	*6.81*	
23 21 13 23-2330	EA	2-1/2" Copper 90 Degree Elbow, Grooved	156.41	13.82
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2331	EA	3" Copper 90 Degree Elbow, Grooved	213.89	16.73
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2332	EA	4" Copper 90 Degree Elbow, Grooved	458.25	22.08
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-2333	EA	5" Copper 90 Degree Elbow, Grooved	1,228.81	27.64
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-2334	EA	6" Copper 90 Degree Elbow, Grooved	1,945.10	36.18
		For Work In Restricted Working Space, Add	*21.70*	
23 21 13 23-2335	EA	8" Copper 90 Degree Elbow, Grooved	3,601.85	43.06
		For Work In Restricted Working Space, Add	*25.84*	

23 21 13 23-2336 Grooved 45 Degree Elbows *(23 21 13 23-2327)*

23 21 13 23-2337	EA	2" Copper 45 Degree Elbow, Grooved	141.66	11.32
		For Work In Restricted Working Space, Add	*6.81*	
23 21 13 23-2338	EA	2-1/2" Copper 45 Degree Elbow, Grooved	156.41	13.82
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2339	EA	3" Copper 45 Degree Elbow, Grooved	213.89	16.73
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2340	EA	4" Copper 45 Degree Elbow, Grooved	458.25	22.08
		For Work In Restricted Working Space, Add	*13.27*	
23 21 13 23-2341	EA	5" Copper 45 Degree Elbow, Grooved	1,228.81	27.64
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-2342	EA	6" Copper 45 Degree Elbow, Grooved	1,945.10	36.18
		For Work In Restricted Working Space, Add	*21.70*	
23 21 13 23-2343	EA	8" Copper 45 Degree Elbow, Grooved	3,601.85	43.06
		For Work In Restricted Working Space, Add	*25.84*	

23 21 13 23-2344 Grooved Tees *(23 21 13 23-2327)*

23 21 13 23-2345	EA	2" Copper Tee, Grooved	228.42	16.67
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-2346	EA	2-1/2" Copper Tee, Grooved	247.95	20.49
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2347	EA	3" Copper Tee, Grooved	358.32	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-2348	EA	4" Copper Tee, Grooved	740.38	32.50
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-2349	EA	5" Copper Tee, Grooved	3,056.81	42.51
		For Work In Restricted Working Space, Add	*25.52*	
23 21 13 23-2350	EA	6" Copper Tee, Grooved	2,440.96	53.20
		For Work In Restricted Working Space, Add	*31.91*	
23 21 13 23-2351	EA	8" Copper Tee, Grooved	4,297.94	64.59
		For Work In Restricted Working Space, Add	*38.75*	

23 21 13 23-2352 Grooved Reducing Tees *(23 21 13 23-2327)*

23 21 13 23-2353	EA	2-1/2" Copper Tee, Reducing, Grooved	349.54	20.49
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2354	EA	3" Copper Tee, Reducing, Grooved	574.02	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-2355	EA	4" Copper Tee, Reducing, Grooved	952.27	32.57
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-2356	EA	5" Copper Tee, Reducing, Grooved	2,792.89	42.57
		For Work In Restricted Working Space, Add	*25.52*	
23 21 13 23-2357	EA	6" Copper Tee, Reducing, Grooved	3,412.38	53.20
		For Work In Restricted Working Space, Add	*31.91*	

23 21 13 23-2358 Grooved X Cup Reducing Tees *(23 21 13 23-2327)*

23 21 13 23-2359	EA	2" Copper Tee, Reducing, Grooved X Cup	282.75	16.67
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-2360	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	350.65	20.49
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2361	EA	3" Copper Tee, Reducing, Grooved X Cup	622.91	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-2362	EA	4" Copper Tee, Reducing, Grooved X Cup	952.27	32.50
		For Work In Restricted Working Space, Add	*19.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2363		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2327)*		
23 21 13 23-2364	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	537.98	12.30
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-2365	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	564.41	14.93
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-2366	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	595.66	17.85
		For Work In Restricted Working Space, Add	*10.70*	
23 21 13 23-2367	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	661.98	24.03
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-2368	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	883.43	29.10
		For Work In Restricted Working Space, Add	*17.46*	
23 21 13 23-2369	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	976.61	39.30
		For Work In Restricted Working Space, Add	*23.59*	
23 21 13 23-2370		**Grooved Concentric Reducers** *(23 21 13 23-2327)*		
23 21 13 23-2371	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	195.95	12.64
		For Work In Restricted Working Space, Add	*7.61*	
23 21 13 23-2372	EA	3" x 2" Copper Concentric Reducer, Grooved	198.72	14.10
		For Work In Restricted Working Space, Add	*8.44*	
23 21 13 23-2373	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	204.11	16.73
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-2374	EA	4" x 2" Copper Concentric Reducer, Grooved	382.51	16.87
		For Work In Restricted Working Space, Add	*10.11*	
23 21 13 23-2375	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	384.94	18.05
		For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-2376	EA	4" x 3" Copper Concentric Reducer, Grooved	387.72	19.45
		For Work In Restricted Working Space, Add	*11.67*	
23 21 13 23-2377	EA	5" x 3" Copper Concentric Reducer, Grooved	1,025.65	22.22
		For Work In Restricted Working Space, Add	*13.34*	
23 21 13 23-2378	EA	5" x 4" Copper Concentric Reducer, Grooved	1,031.20	25.00
		For Work In Restricted Working Space, Add	*15.00*	
23 21 13 23-2379	EA	6" x 3" Copper Concentric Reducer, Grooved	1,114.94	26.39
		For Work In Restricted Working Space, Add	*15.84*	
23 21 13 23-2380	EA	6" x 4" Copper Concentric Reducer, Grooved	1,120.49	29.17
		For Work In Restricted Working Space, Add	*17.50*	
23 21 13 23-2381	EA	6" x 5" Copper Concentric Reducer, Grooved	1,126.05	31.95
		For Work In Restricted Working Space, Add	*19.17*	
23 21 13 23-2382	EA	8" x 6" Copper Concentric Reducer, Grooved	1,943.25	39.59
		For Work In Restricted Working Space, Add	*23.75*	
23 21 13 23-2383		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2327)*		
23 21 13 23-2384	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	158.98	8.89
		For Work In Restricted Working Space, Add	*5.31*	
23 21 13 23-2385	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	159.67	9.24
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-2386	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	161.80	10.28
		For Work In Restricted Working Space, Add	*6.16*	
23 21 13 23-2387	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	192.62	9.93
		For Work In Restricted Working Space, Add	*5.95*	
23 21 13 23-2388	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	193.31	10.28
		For Work In Restricted Working Space, Add	*6.16*	
23 21 13 23-2389	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	195.35	11.32
		For Work In Restricted Working Space, Add	*6.77*	
23 21 13 23-2390	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	198.13	12.64
		For Work In Restricted Working Space, Add	*7.61*	
23 21 13 23-2391	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	239.94	12.64
		For Work In Restricted Working Space, Add	*7.61*	
23 21 13 23-2392	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	242.71	14.10
		For Work In Restricted Working Space, Add	*8.44*	
23 21 13 23-2393	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	431.95	16.80
		For Work In Restricted Working Space, Add	*10.11*	
23 21 13 23-2394		**Grooved Standard Couplings** *(23 21 13 23-2327)*		
23 21 13 23-2395	EA	2" Copper Standard Coupling, Grooved	52.37	5.70
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-2396	EA	2-1/2" Copper Standard Coupling, Grooved	60.84	6.95
		For Work In Restricted Working Space, Add	*4.15*	
23 21 13 23-2397	EA	3" Copper Standard Coupling, Grooved	68.26	8.26
		For Work In Restricted Working Space, Add	*4.95*	
23 21 13 23-2398	EA	4" Copper Standard Coupling, Grooved	101.32	11.11
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2399	EA	5" Copper Standard Coupling, Grooved	162.40	13.82
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2400	EA	6" Copper Standard Coupling, Grooved	214.15	18.05
		For Work In Restricted Working Space, Add	*10.85*	
23 21 13 23-2401	EA	8" Copper Standard Coupling, Grooved	320.14	21.53
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-2402		**Grooved Caps** *(23 21 13 23-2327)*		
23 21 13 23-2403	EA	2" Copper Cap, Grooved	93.37	5.70
		For Work In Restricted Working Space, Add	*3.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2404	EA	2-1/2" Copper Cap, Grooved	135.53	6.95
		For Work In Restricted Working Space, Add	*4.15*	
23 21 13 23-2405	EA	3" Copper Cap, Grooved	167.54	8.26
		For Work In Restricted Working Space, Add	*4.95*	
23 21 13 23-2406	EA	4" Copper Cap, Grooved	248.67	11.05
		For Work In Restricted Working Space, Add	*6.63*	
23 21 13 23-2407	EA	5" Copper Cap, Grooved	429.35	13.82
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-2408	EA	6" Copper Cap, Grooved	498.52	18.05
		For Work In Restricted Working Space, Add	*10.85*	

23 21 13 23-2409 Grooved Valves *(23 21 13 23-2326)*

23 21 13 23-2410 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2409)*

Note: Copper body.

23 21 13 23-2411	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	470.43	7.44
		For Work In Restricted Working Space, Add	*4.48*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2412	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	532.30	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2413	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	703.72	14.51
		For Work In Restricted Working Space, Add	*8.73*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2414	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	934.32	23.82
		For Work In Restricted Working Space, Add	*14.28*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2415	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,022.20	33.47
		For Work In Restricted Working Space, Add	*20.09*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2416 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2409)*

Note: Copper body.

23 21 13 23-2417	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	576.49	7.44
		For Work In Restricted Working Space, Add	*4.48*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2418	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	638.43	11.05
		For Work In Restricted Working Space, Add	*6.63*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2419	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	809.85	14.51
		For Work In Restricted Working Space, Add	*8.73*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2420	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,040.52	23.82
		For Work In Restricted Working Space, Add	*14.28*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2421	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,128.33	33.47
		For Work In Restricted Working Space, Add	*20.09*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2422 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2423 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2422)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2424 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2423)*

23 21 13 23-2425	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.42	1.98
		For Work In Restricted Working Space, Add	*0.89*	
23 21 13 23-2426	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.29	2.48
		For Work In Restricted Working Space, Add	*1.12*	
23 21 13 23-2427	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.79	2.64
		For Work In Restricted Working Space, Add	*1.19*	
23 21 13 23-2428	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.34	2.85
		For Work In Restricted Working Space, Add	*1.28*	
23 21 13 23-2429	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.56	2.90
		For Work In Restricted Working Space, Add	*1.30*	
23 21 13 23-2430	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.86	3.47
		For Work In Restricted Working Space, Add	*1.56*	
23 21 13 23-2431	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.81	4.12
		For Work In Restricted Working Space, Add	*1.85*	
23 21 13 23-2432	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.89	4.98
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2433	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.13	7.47
		For Work In Restricted Working Space, Add	*3.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2434	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	23.53	9.96
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2435	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	30.87	11.87
		For Work In Restricted Working Space, Add	*5.34*	
23 21 13 23-2436	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	59.85	13.25
		For Work In Restricted Working Space, Add	*5.96*	

23 21 13 23-2437 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2423)*

23 21 13 23-2438	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	12.07	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2439	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	16.15	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2440	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.70	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2441	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.22	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2442	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	33.82	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2443	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	44.26	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2444	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	75.97	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2445	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	97.61	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2446	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	130.59	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2447	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	204.05	66.19
		For Work In Restricted Working Space, Add	*29.76*	
23 21 13 23-2448	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	385.70	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2449	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	577.11	115.14
		For Work In Restricted Working Space, Add	*51.78*	

23 21 13 23-2450 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2423)*

23 21 13 23-2451	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	12.51	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2452	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.02	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2453	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.92	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2454	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.01	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2455	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.57	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2456	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.39	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2457	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	75.97	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2458	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	104.94	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2459	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	143.94	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2460	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	205.27	66.19
		For Work In Restricted Working Space, Add	*29.76*	
23 21 13 23-2461	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	370.96	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2462	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	577.11	115.14
		For Work In Restricted Working Space, Add	*51.78*	

23 21 13 23-2463 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2423)*

23 21 13 23-2464	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	19.57	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2465	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	23.53	14.93
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-2466	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	31.73	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2467	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	41.03	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2468	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	49.08	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-2469	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	61.75	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2470	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	93.68	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2471	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	113.76	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2472	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	164.59	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2473	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	314.02	99.59
		For Work In Restricted Working Space, Add	*44.81*	
23 21 13 23-2474	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	567.21	123.55
		For Work In Restricted Working Space, Add	*55.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2475	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,771.63	184.59
		For Work In Restricted Working Space, Add	*83.03*	

23 21 13 23-2476 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2423)*

23 21 13 23-2477	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	24.79	15.42
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2478	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	29.78	18.68
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-2479	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	40.36	24.66
		For Work In Restricted Working Space, Add	*11.08*	
23 21 13 23-2480	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	52.39	31.32
		For Work In Restricted Working Space, Add	*14.08*	
23 21 13 23-2481	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	62.70	37.36
		For Work In Restricted Working Space, Add	*16.80*	
23 21 13 23-2482	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	79.16	46.32
		For Work In Restricted Working Space, Add	*20.84*	
23 21 13 23-2483	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	123.65	60.98
		For Work In Restricted Working Space, Add	*27.41*	
23 21 13 23-2484	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	150.75	72.37
		For Work In Restricted Working Space, Add	*32.55*	
23 21 13 23-2485	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	221.25	96.54
		For Work In Restricted Working Space, Add	*43.40*	
23 21 13 23-2486	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	444.75	124.45
		For Work In Restricted Working Space, Add	*55.98*	
23 21 13 23-2487	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	830.23	154.31
		For Work In Restricted Working Space, Add	*69.41*	
23 21 13 23-2488	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,689.47	230.84
		For Work In Restricted Working Space, Add	*103.84*	

23 21 13 23-2489 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2423)*

23 21 13 23-2490	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	12.40	7.64
		For Work In Restricted Working Space, Add	*3.49*	
23 21 13 23-2491	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	16.53	9.80
		For Work In Restricted Working Space, Add	*4.46*	
23 21 13 23-2492	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	22.06	13.12
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-2493	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	27.05	16.33
		For Work In Restricted Working Space, Add	*7.43*	
23 21 13 23-2494	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	33.66	19.65
		For Work In Restricted Working Space, Add	*8.95*	
23 21 13 23-2495	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	47.48	27.29
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-2496	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	66.34	37.71
		For Work In Restricted Working Space, Add	*17.15*	
23 21 13 23-2497	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	91.75	46.88
		For Work In Restricted Working Space, Add	*21.32*	
23 21 13 23-2498	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	134.04	54.59
		For Work In Restricted Working Space, Add	*24.80*	
23 21 13 23-2499	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	390.91	63.06
		For Work In Restricted Working Space, Add	*28.66*	
23 21 13 23-2500	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	456.05	84.59
		For Work In Restricted Working Space, Add	*38.45*	

23 21 13 23-2501 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2423)*

23 21 13 23-2502	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	13.03	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2503	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	16.76	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2504	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.79	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2505	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.70	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2506	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	33.56	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2507	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	43.03	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2508	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	63.50	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2509	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	82.26	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2510	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	107.48	57.92
		For Work In Restricted Working Space, Add	*26.04*	

23 21 13 23-2511 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2423)*

23 21 13 23-2512	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	13.64	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2513	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	17.37	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2514	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	22.01	12.36
		For Work In Restricted Working Space, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2515	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	30.40	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2516	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	35.13	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2517	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	44.43	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2518	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	65.07	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2519	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	87.06	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2520	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	104.69	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2521		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2423)*		
23 21 13 23-2522	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	12.07	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2523	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	16.06	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2524	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	19.83	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2525	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	28.30	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2526	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	31.99	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2527	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	40.85	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2528	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	69.95	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2529	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	92.46	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2530	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	118.82	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2531		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2423)*		
23 21 13 23-2532	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	21.65	10.21
		For Work In Restricted Working Space, Add	*4.58*	
23 21 13 23-2533		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2423)*		
23 21 13 23-2534	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	11.72	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2535	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	15.63	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2536	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	19.83	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2537	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	27.95	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2538	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	31.47	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2539	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	40.50	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2540	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	62.19	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2541	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	83.48	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2542	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	101.90	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2543	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	147.01	66.19
		For Work In Restricted Working Space, Add	*29.76*	
23 21 13 23-2544	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	205.06	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2545	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	533.99	82.79
		For Work In Restricted Working Space, Add	*37.22*	
23 21 13 23-2546		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2423)*		
23 21 13 23-2547	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	25.58	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2548	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	37.14	14.93
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-2549	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	46.03	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2550	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	77.66	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2551	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	86.68	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-2552	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	111.99	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2553	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	175.50	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2554	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	195.31	57.92
		For Work In Restricted Working Space, Add	*26.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2555	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	330.91	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2556	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	437.72	99.59
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2557	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	660.96	123.48
		For Work In Restricted Working Space, Add	*55.53*	
23 21 13 23-2558	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,014.17	153.27
		For Work In Restricted Working Space, Add	*68.95*	

23 21 13 23-2559 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2423)*

23 21 13 23-2560	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	5.82	3.38
		For Work In Restricted Working Space, Add	*1.54*	
23 21 13 23-2561	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	7.59	4.44
		For Work In Restricted Working Space, Add	*2.02*	
23 21 13 23-2562	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.73	5.48
		For Work In Restricted Working Space, Add	*2.50*	
23 21 13 23-2563	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	13.88	7.89
		For Work In Restricted Working Space, Add	*3.59*	
23 21 13 23-2564	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.39	8.75
		For Work In Restricted Working Space, Add	*3.99*	
23 21 13 23-2565	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	19.42	11.18
		For Work In Restricted Working Space, Add	*5.07*	
23 21 13 23-2566	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	33.29	16.53
		For Work In Restricted Working Space, Add	*7.50*	
23 21 13 23-2567	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	41.87	21.74
		For Work In Restricted Working Space, Add	*9.87*	
23 21 13 23-2568	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	59.65	25.76
		For Work In Restricted Working Space, Add	*11.72*	
23 21 13 23-2569	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	93.93	29.45
		For Work In Restricted Working Space, Add	*13.40*	
23 21 13 23-2570	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	216.94	34.38
		For Work In Restricted Working Space, Add	*15.63*	
23 21 13 23-2571	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	687.59	51.25
		For Work In Restricted Working Space, Add	*23.30*	

23 21 13 23-2572 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2423)*

23 21 13 23-2573	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	36.05	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2574	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	49.26	14.93
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-2575	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	59.46	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2576	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	68.33	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2577	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	76.30	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-2578	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	97.42	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2579	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.73	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2580	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	158.15	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2581	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	206.11	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2582	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	291.37	99.59
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2583	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	505.62	123.48
		For Work In Restricted Working Space, Add	*55.53*	
23 21 13 23-2584	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	951.90	153.06
		For Work In Restricted Working Space, Add	*68.84*	

23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2422)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2586 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2585)*

23 21 13 23-2587	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	3.55	2.01
		For Work In Restricted Working Space, Add	*0.89*	
23 21 13 23-2588	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.44	2.50
		For Work In Restricted Working Space, Add	*1.12*	
23 21 13 23-2589	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.54	2.99
		For Work In Restricted Working Space, Add	*1.34*	
23 21 13 23-2590	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.66	3.47
		For Work In Restricted Working Space, Add	*1.57*	
23 21 13 23-2591	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.69	3.96
		For Work In Restricted Working Space, Add	*1.79*	
23 21 13 23-2592	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.98	5.00
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2593	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.96	5.48
		For Work In Restricted Working Space, Add	*2.47*	
23 21 13 23-2594	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	13.92	5.97
		For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-2595	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	18.48	7.50
		For Work In Restricted Working Space, Add	*3.36*	

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23 21 13 23-2596	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	28.77	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2597	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	38.91	11.88
		For Work In Restricted Working Space, Add	*5.34*	
23 21 13 23-2598	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	84.15	12.78
		For Work In Restricted Working Space, Add	*5.75*	

23 21 13 23-2599 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2585)*

23 21 13 23-2600	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	14.34	7.50
		For Work In Restricted Working Space, Add	*3.36*	
		For Threaded Fittings, Add	*1.68*	
23 21 13 23-2601	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.03	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Threaded Fittings, Add	*2.24*	
23 21 13 23-2602	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	25.15	12.36
		For Work In Restricted Working Space, Add	*5.56*	
		For Threaded Fittings, Add	*2.78*	
23 21 13 23-2603	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	35.02	17.51
		For Work In Restricted Working Space, Add	*7.86*	
		For Threaded Fittings, Add	*3.93*	
23 21 13 23-2604	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	38.97	19.72
		For Work In Restricted Working Space, Add	*8.87*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2605	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	48.97	25.07
		For Work In Restricted Working Space, Add	*11.26*	
		For Threaded Fittings, Add	*5.63*	
23 21 13 23-2606	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	82.34	37.09
		For Work In Restricted Working Space, Add	*16.67*	
		For Threaded Fittings, Add	*8.33*	
23 21 13 23-2607	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	103.19	48.75
		For Work In Restricted Working Space, Add	*21.93*	
		For Threaded Fittings, Add	*10.97*	
23 21 13 23-2608	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	132.51	57.92
		For Work In Restricted Working Space, Add	*26.04*	
		For Threaded Fittings, Add	*13.02*	
23 21 13 23-2609	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	264.32	66.19
		For Work In Restricted Working Space, Add	*29.76*	
		For Threaded Fittings, Add	*14.88*	
23 21 13 23-2610	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	474.66	77.22
		For Work In Restricted Working Space, Add	*34.73*	
		For Threaded Fittings, Add	*17.36*	
23 21 13 23-2611	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	577.11	115.14
		For Work In Restricted Working Space, Add	*51.78*	
		For Threaded Fittings, Add	*25.89*	

23 21 13 23-2612 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2585)*

23 21 13 23-2613	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.22	7.50
		For Work In Restricted Working Space, Add	*3.36*	
		For Threaded Fittings, Add	*1.68*	
23 21 13 23-2614	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.09	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Threaded Fittings, Add	*2.24*	
23 21 13 23-2615	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	32.30	12.36
		For Work In Restricted Working Space, Add	*5.56*	
		For Threaded Fittings, Add	*2.78*	
23 21 13 23-2616	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.83	17.51
		For Work In Restricted Working Space, Add	*7.86*	
		For Threaded Fittings, Add	*3.93*	
23 21 13 23-2617	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	50.31	19.72
		For Work In Restricted Working Space, Add	*8.87*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2618	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	64.49	25.07
		For Work In Restricted Working Space, Add	*11.26*	
		For Threaded Fittings, Add	*5.63*	
23 21 13 23-2619	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	112.26	37.09
		For Work In Restricted Working Space, Add	*16.67*	
		For Threaded Fittings, Add	*8.33*	
23 21 13 23-2620	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	142.10	48.75
		For Work In Restricted Working Space, Add	*21.93*	
		For Threaded Fittings, Add	*10.97*	
23 21 13 23-2621	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	211.11	57.92
		For Work In Restricted Working Space, Add	*26.04*	
		For Threaded Fittings, Add	*13.02*	
23 21 13 23-2622	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	255.69	66.19
		For Work In Restricted Working Space, Add	*29.76*	
		For Threaded Fittings, Add	*14.88*	
23 21 13 23-2623	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	455.06	77.22
		For Work In Restricted Working Space, Add	*34.73*	
		For Threaded Fittings, Add	*17.36*	
23 21 13 23-2624	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	555.07	115.14
		For Work In Restricted Working Space, Add	*51.78*	
		For Threaded Fittings, Add	*25.89*	

23 21 13 23-2625 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2585)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2626	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	26.57	11.74
		For Work In Restricted Working Space, Add	*5.28*	
		For Threaded Fittings, Add	*2.64*	
23 21 13 23-2627	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	31.82	14.93
		For Work In Restricted Working Space, Add	*6.72*	
		For Threaded Fittings, Add	*3.36*	
23 21 13 23-2628	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	41.33	19.72
		For Work In Restricted Working Space, Add	*8.87*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2629	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	70.08	25.07
		For Work In Restricted Working Space, Add	*11.26*	
		For Threaded Fittings, Add	*5.63*	
23 21 13 23-2630	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	77.35	29.86
		For Work In Restricted Working Space, Add	*13.44*	
		For Threaded Fittings, Add	*6.72*	
23 21 13 23-2631	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	96.29	37.09
		For Work In Restricted Working Space, Add	*16.67*	
		For Threaded Fittings, Add	*8.33*	
23 21 13 23-2632	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	117.41	48.75
		For Work In Restricted Working Space, Add	*21.93*	
		For Threaded Fittings, Add	*10.97*	
23 21 13 23-2633	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	142.11	57.92
		For Work In Restricted Working Space, Add	*26.04*	
		For Threaded Fittings, Add	*13.02*	
23 21 13 23-2634	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	179.86	77.22
		For Work In Restricted Working Space, Add	*34.73*	
		For Threaded Fittings, Add	*17.36*	
23 21 13 23-2635	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	368.37	99.59
		For Work In Restricted Working Space, Add	*44.81*	
		For Threaded Fittings, Add	*22.40*	
23 21 13 23-2636	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	693.19	123.55
		For Work In Restricted Working Space, Add	*55.56*	
		For Threaded Fittings, Add	*27.78*	
23 21 13 23-2637	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,771.73	184.59
		For Work In Restricted Working Space, Add	*83.03*	
		For Threaded Fittings, Add	*41.52*	

23 21 13 23-2638 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2585)*

23 21 13 23-2639	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	36.06	14.66
		For Work In Restricted Working Space, Add	*6.59*	
		For Threaded Fittings, Add	*3.30*	
23 21 13 23-2640	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	42.76	18.68
		For Work In Restricted Working Space, Add	*8.40*	
		For Threaded Fittings, Add	*4.20*	
23 21 13 23-2641	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	55.40	24.66
		For Work In Restricted Working Space, Add	*11.08*	
		For Threaded Fittings, Add	*5.54*	
23 21 13 23-2642	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	97.92	31.32
		For Work In Restricted Working Space, Add	*14.08*	
		For Threaded Fittings, Add	*7.04*	
23 21 13 23-2643	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	107.00	37.36
		For Work In Restricted Working Space, Add	*16.80*	
		For Threaded Fittings, Add	*8.40*	
23 21 13 23-2644	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	133.30	46.32
		For Work In Restricted Working Space, Add	*20.84*	
		For Threaded Fittings, Add	*10.42*	
23 21 13 23-2645	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	160.85	60.98
		For Work In Restricted Working Space, Add	*27.41*	
		For Threaded Fittings, Add	*13.71*	
23 21 13 23-2646	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	195.20	72.37
		For Work In Restricted Working Space, Add	*32.55*	
		For Threaded Fittings, Add	*16.28*	
23 21 13 23-2647	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	245.18	96.54
		For Work In Restricted Working Space, Add	*43.40*	
		For Threaded Fittings, Add	*21.70*	
23 21 13 23-2648	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	529.95	124.45
		For Work In Restricted Working Space, Add	*55.98*	
		For Threaded Fittings, Add	*27.99*	
23 21 13 23-2649	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,027.71	154.31
		For Work In Restricted Working Space, Add	*69.41*	
		For Threaded Fittings, Add	*34.71*	
23 21 13 23-2650	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,689.62	230.84
		For Work In Restricted Working Space, Add	*103.84*	
		For Threaded Fittings, Add	*51.92*	

23 21 13 23-2651 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2585)*

23 21 13 23-2652	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	16.76	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2653	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	23.84	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2654	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	34.58	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2655	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	40.97	19.72
		For Work In Restricted Working Space, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2656	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	53.85	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2657	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	83.82	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2658	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	118.02	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2659	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	149.08	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2660	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	168.28	66.19
		For Work In Restricted Working Space, Add	*29.76*	
23 21 13 23-2661	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	269.08	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2662	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	462.41	89.66
		For Work In Restricted Working Space, Add	*40.34*	

23 21 13 23-2663 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2585)*

23 21 13 23-2664	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	11.81	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2665	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.33	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2666	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	23.84	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2667	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.02	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2668	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	43.16	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2669	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.20	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2670	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	90.79	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2671	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	138.34	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2672	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	187.11	57.92
		For Work In Restricted Working Space, Add	*26.04*	

23 21 13 23-2673 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2585)*

23 21 13 23-2674	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	18.61	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2675	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	23.13	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2676	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	32.82	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2677	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	42.96	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2678	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	53.62	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2679	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	68.94	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2680	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	91.32	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2681	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	112.79	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2682	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	157.37	57.92
		For Work In Restricted Working Space, Add	*26.04*	

23 21 13 23-2683 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2585)*

23 21 13 23-2684	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	16.61	7.50
		For Work In Restricted Working Space, Add	*3.36*	
23 21 13 23-2685	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	22.95	9.93
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2686	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	30.38	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2687	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	45.48	17.51
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2688	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	53.19	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2689	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	78.71	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2690	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	120.62	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2691	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	146.36	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2692	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	212.75	57.92
		For Work In Restricted Working Space, Add	*26.04*	

23 21 13 23-2693 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2585)*

23 21 13 23-2694	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	16.96	7.50
		For Work In Restricted Working Space, Add	*3.36*	
		For Threaded Fittings, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2695	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	22.69	9.93
		For Work In Restricted Working Space, Add	*4.48*	
		For Threaded Fittings, Add	*2.24*	
23 21 13 23-2696	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	26.54	12.36
		For Work In Restricted Working Space, Add	*5.56*	
		For Threaded Fittings, Add	*2.78*	
23 21 13 23-2697	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	38.51	17.51
		For Work In Restricted Working Space, Add	*7.86*	
		For Threaded Fittings, Add	*3.93*	
23 21 13 23-2698	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	42.81	19.72
		For Work In Restricted Working Space, Add	*8.87*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2699	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	51.67	25.07
		For Work In Restricted Working Space, Add	*11.26*	
		For Threaded Fittings, Add	*5.63*	
23 21 13 23-2700	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	90.53	37.09
		For Work In Restricted Working Space, Add	*16.67*	
		For Threaded Fittings, Add	*8.33*	
23 21 13 23-2701	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	113.31	48.75
		For Work In Restricted Working Space, Add	*21.93*	
		For Threaded Fittings, Add	*10.97*	
23 21 13 23-2702	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	137.22	57.92
		For Work In Restricted Working Space, Add	*26.04*	
		For Threaded Fittings, Add	*13.02*	
23 21 13 23-2703	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	207.62	66.19
		For Work In Restricted Working Space, Add	*29.76*	
		For Threaded Fittings, Add	*14.88*	
23 21 13 23-2704	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	263.32	77.22
		For Work In Restricted Working Space, Add	*34.73*	
		For Threaded Fittings, Add	*17.36*	
23 21 13 23-2705	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	560.15	82.79
		For Work In Restricted Working Space, Add	*37.22*	
		For Threaded Fittings, Add	*18.61*	

23 21 13 23-2706 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2585)*

23 21 13 23-2707	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	31.43	12.36
		For Work In Restricted Working Space, Add	*5.56*	
23 21 13 23-2708	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	37.32	14.93
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-2709	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	46.56	19.72
		For Work In Restricted Working Space, Add	*8.87*	
23 21 13 23-2710	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	80.10	25.07
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-2711	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	99.58	29.86
		For Work In Restricted Working Space, Add	*13.44*	
23 21 13 23-2712	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	129.78	37.09
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-2713	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	211.30	48.75
		For Work In Restricted Working Space, Add	*21.93*	
23 21 13 23-2714	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	264.95	57.92
		For Work In Restricted Working Space, Add	*26.04*	
23 21 13 23-2715	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	331.44	77.22
		For Work In Restricted Working Space, Add	*34.73*	
23 21 13 23-2716	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	437.72	99.59
		For Work In Restricted Working Space, Add	*44.79*	
23 21 13 23-2717	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	660.96	123.48
		For Work In Restricted Working Space, Add	*55.53*	
23 21 13 23-2718	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,013.82	153.06
		For Work In Restricted Working Space, Add	*68.84*	

23 21 13 23-2719 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2585)*

23 21 13 23-2720	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	31.04	15.43
23 21 13 23-2721	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	37.80	17.85
23 21 13 23-2722	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	46.40	21.04
23 21 13 23-2723	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	65.74	25.07
23 21 13 23-2724	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	79.57	29.86
23 21 13 23-2725	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	108.65	37.09
23 21 13 23-2726	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	242.14	71.88
23 21 13 23-2727	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	260.53	79.72

23 21 13 23-2728 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2585)*

23 21 13 23-2729	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	13.15	3.34
		For Work In Restricted Working Space, Add	*1.51*	
		For Threaded Fittings, Add	*0.76*	
23 21 13 23-2730	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	15.27	4.44
		For Work In Restricted Working Space, Add	*2.02*	
		For Threaded Fittings, Add	*1.01*	
23 21 13 23-2731	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	23.51	5.48
		For Work In Restricted Working Space, Add	*2.50*	
		For Threaded Fittings, Add	*1.25*	
23 21 13 23-2732	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	30.11	7.78
		For Work In Restricted Working Space, Add	*3.54*	
		For Threaded Fittings, Add	*1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2733	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	31.62	8.75
		For Work In Restricted Working Space, Add	*3.99*	
		For Threaded Fittings, Add	*2.00*	
23 21 13 23-2734	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	44.36	11.18
		For Work In Restricted Working Space, Add	*5.07*	
		For Threaded Fittings, Add	*2.53*	
23 21 13 23-2735	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	81.43	16.53
		For Work In Restricted Working Space, Add	*7.50*	
		For Threaded Fittings, Add	*3.75*	
23 21 13 23-2736	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	101.88	21.74
		For Work In Restricted Working Space, Add	*9.87*	
		For Threaded Fittings, Add	*4.93*	
23 21 13 23-2737	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	150.01	25.76
		For Work In Restricted Working Space, Add	*11.72*	
		For Threaded Fittings, Add	*5.86*	
23 21 13 23-2738	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	320.26	29.45
		For Work In Restricted Working Space, Add	*13.40*	
		For Threaded Fittings, Add	*6.70*	
23 21 13 23-2739	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	430.71	34.38
		For Work In Restricted Working Space, Add	*15.63*	
		For Threaded Fittings, Add	*7.81*	
23 21 13 23-2740	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	774.81	51.25
		For Work In Restricted Working Space, Add	*23.30*	
		For Threaded Fittings, Add	*11.65*	

23 21 13 23-2741 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2585)*

23 21 13 23-2742	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	43.55	12.36
		For Work In Restricted Working Space, Add	*5.56*	
		For Threaded Fittings, Add	*2.78*	
23 21 13 23-2743	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	49.26	14.93
		For Work In Restricted Working Space, Add	*6.72*	
		For Threaded Fittings, Add	*3.36*	
23 21 13 23-2744	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	59.47	19.72
		For Work In Restricted Working Space, Add	*8.87*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2745	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	68.33	25.07
		For Work In Restricted Working Space, Add	*11.26*	
		For Threaded Fittings, Add	*5.63*	
23 21 13 23-2746	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	76.30	29.86
		For Work In Restricted Working Space, Add	*13.44*	
		For Threaded Fittings, Add	*6.72*	
23 21 13 23-2747	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	97.43	37.09
		For Work In Restricted Working Space, Add	*16.67*	
		For Threaded Fittings, Add	*8.33*	
23 21 13 23-2748	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.73	48.75
		For Work In Restricted Working Space, Add	*21.93*	
		For Threaded Fittings, Add	*10.97*	
23 21 13 23-2749	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	158.16	57.92
		For Work In Restricted Working Space, Add	*26.04*	
		For Threaded Fittings, Add	*13.02*	
23 21 13 23-2750	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	206.11	77.22
		For Work In Restricted Working Space, Add	*34.73*	
		For Threaded Fittings, Add	*17.36*	
23 21 13 23-2751	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	291.37	99.59
		For Work In Restricted Working Space, Add	*44.79*	
		For Threaded Fittings, Add	*22.39*	
23 21 13 23-2752	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	505.62	123.48
		For Work In Restricted Working Space, Add	*55.53*	
		For Threaded Fittings, Add	*27.77*	
23 21 13 23-2753	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	951.90	153.06
		For Work In Restricted Working Space, Add	*68.84*	
		For Threaded Fittings, Add	*34.42*	

23 21 13 23-2754 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2422)*

Note: In place pipe.

23 21 13 23-2755	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	3.77	
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2756	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.06	
		For Work In Restricted Working Space, Add	*1.22*	
23 21 13 23-2757	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.58	
		For Work In Restricted Working Space, Add	*1.37*	
23 21 13 23-2758	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	4.81	
		For Work In Restricted Working Space, Add	*1.44*	
23 21 13 23-2759	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.09	
		For Work In Restricted Working Space, Add	*1.53*	
23 21 13 23-2760	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.60	
		For Work In Restricted Working Space, Add	*1.68*	
23 21 13 23-2761	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.03	
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-2762	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.12	
		For Work In Restricted Working Space, Add	*2.14*	
23 21 13 23-2763	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.61	
		For Work In Restricted Working Space, Add	*2.88*	
23 21 13 23-2764	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	13.73	
		For Work In Restricted Working Space, Add	*4.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2765	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	18.31	
		For Work In Restricted Working Space, Add	*5.49*	
23 21 13 23-2766	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	22.38	
		For Work In Restricted Working Space, Add	*6.71*	
23 21 13 23-2767		**Polyvinylidene Fluoride (PVDF), Socket Weld** *(23 21 13 23)*		
23 21 13 23-2768		**Pipe** *(23 21 13 23-2767)*		
23 21 13 23-2769	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	58.39	2.01
23 21 13 23-2770	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	78.58	2.50
23 21 13 23-2771	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	113.04	2.63
23 21 13 23-2772	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	160.11	2.92
23 21 13 23-2773	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	203.36	3.47
23 21 13 23-2774		**90 Degree Elbows** *(23 21 13 23-2767)*		
23 21 13 23-2775	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	41.43	7.44
23 21 13 23-2776	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	55.34	9.93
23 21 13 23-2777	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	95.52	12.36
23 21 13 23-2778	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	167.44	19.72
23 21 13 23-2779	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	218.95	25.07
23 21 13 23-2780		**45 Degree Elbows** *(23 21 13 23-2767)*		
23 21 13 23-2781	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	49.06	7.50
23 21 13 23-2782	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	66.07	9.93
23 21 13 23-2783	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	95.52	12.36
23 21 13 23-2784	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	141.73	19.72
23 21 13 23-2785	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	212.16	25.07
23 21 13 23-2786		**Tees** *(23 21 13 23-2767)*		
23 21 13 23-2787	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	78.42	12.36
23 21 13 23-2788	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	85.98	14.93
23 21 13 23-2789	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	126.47	19.72
23 21 13 23-2790	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	210.67	29.86
23 21 13 23-2791	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	316.65	37.09
23 21 13 23-2792		**Reducing Tees** *(23 21 13 23-2767)*		
23 21 13 23-2793	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	89.49	13.89
23 21 13 23-2794	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	128.57	16.18
23 21 13 23-2795	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	130.65	17.57
23 21 13 23-2796	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	229.64	25.00
23 21 13 23-2797	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	348.10	33.33
23 21 13 23-2798		**Socket Weld Reducing Couplings** *(23 21 13 23-2767)*		
23 21 13 23-2799	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	46.81	8.82
23 21 13 23-2800	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	61.06	10.21
23 21 13 23-2801	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	66.81	11.60
23 21 13 23-2802	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	105.60	13.89
23 21 13 23-2803	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	112.49	15.28
23 21 13 23-2804	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	113.88	16.18
23 21 13 23-2805	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	160.62	22.71
23 21 13 23-2806		**Male Adapters, Socket Weld X Male Thread** *(23 21 13 23-2767)*		
23 21 13 23-2807	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	71.10	7.50
23 21 13 23-2808	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	90.37	9.93
23 21 13 23-2809	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	103.29	12.36
23 21 13 23-2810	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	129.01	19.72
23 21 13 23-2811	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	176.80	25.00
23 21 13 23-2812		**Female Adapters, Socket Weld X Female Thread** *(23 21 13 23-2767)*		
23 21 13 23-2813	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	71.10	7.50
23 21 13 23-2814	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	90.66	9.93
23 21 13 23-2815	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	103.29	12.36
23 21 13 23-2816	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	129.01	19.72
23 21 13 23-2817	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	176.84	25.07
23 21 13 23-2818		**Socket Weld Couplings** *(23 21 13 23-2767)*		
23 21 13 23-2819	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	32.39	7.50
23 21 13 23-2820	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	41.21	9.93
23 21 13 23-2821	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	53.84	12.36
23 21 13 23-2822	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	103.02	19.72
23 21 13 23-2823	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	143.50	25.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2824		**Socket Weld Unions** *(23 21 13 23-2767)*		
23 21 13 23-2825	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	149.91	12.36
23 21 13 23-2826	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	179.50	14.93
23 21 13 23-2827	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	260.40	19.72
23 21 13 23-2828	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	461.59	29.86
23 21 13 23-2829	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	568.41	37.09
23 21 13 23-2830		**Caps** *(23 21 13 23-2767)*		
23 21 13 23-2831	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	26.54	3.73
23 21 13 23-2832	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	37.85	4.97
23 21 13 23-2833	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	47.67	6.15
23 21 13 23-2834	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	85.42	9.84
23 21 13 23-2835	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	122.73	12.49
23 21 13 23-2836		**150 Lb. Socket Weld Flanges** *(23 21 13 23-2767)*		
23 21 13 23-2837	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	97.92	12.50
23 21 13 23-2838	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	124.12	14.79
23 21 13 23-2839	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.48	19.94
23 21 13 23-2840	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	234.13	30.14
23 21 13 23-2841	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	380.51	37.09
23 21 13 23-2842		**Polyethylene Pipe And Fittings** *(23 21 13 23)*		
23 21 13 23-2843		**Small Diameter Tubing** *(23 21 13 23-2842)*		
23 21 13 23-2844		**Tubing** *(23 21 13 23-2843)*		
23 21 13 23-2845	LF	1/4" Polyethylene Tubing	2.32	
		For Work In Restricted Working Space, Add	*0.63*	
23 21 13 23-2846	LF	5/16" Polyethylene Tubing	2.56	
		For Work In Restricted Working Space, Add	*0.64*	
23 21 13 23-2847	LF	3/8" Polyethylene Tubing	2.74	
		For Work In Restricted Working Space, Add	*0.65*	
23 21 13 23-2848	LF	1/2" Polyethylene Tubing	2.78	
		For Work In Restricted Working Space, Add	*0.71*	
23 21 13 23-2849		**Female Copper Thread x Straight Compression Connection** *(23 21 13 23-2843)* Note: Ford C04.		
23 21 13 23-2850	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection	22.98	5.27
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2851	EA	3/4" Copper X 1" P.E. Straight Compression Connection	26.45	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2852	EA	1" Copper X 1" P.E. Straight Compression Connection	31.35	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2853	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection	37.02	7.16
		For Work In Restricted Working Space, Add	*4.30*	
23 21 13 23-2854	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection	42.70	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2855	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection	60.60	8.29
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2856	EA	2" Copper X 2" P.E. Straight Compression Connection	70.55	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2857		**Female Copper Thread x Compression Connection** *(23 21 13 23-2843)* Note: Ford L04.		
23 21 13 23-2858	EA	3/4" Copper X 3/4" P.E. Compression Connection	28.49	5.27
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2859	EA	3/4" Copper X 1" P.E. Compression Connection	33.60	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2860	EA	1" Copper X 1" P.E. Compression Connection	40.49	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2861	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection	78.75	8.29
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2862	EA	2" Copper X 2" P.E. Compression Connection	89.80	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2863		**Male Iron Pipe Thread x Straight Compression Connection** *(23 21 13 23-2843)* Note: Ford C84.		
23 21 13 23-2864	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection	23.66	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2865	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection	24.70	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2866	EA	1" M.I.P. X 1" P.E. Straight Compression Connection	27.28	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2867	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection	39.12	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2868	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection	51.01	8.29
		For Work In Restricted Working Space, Add	*4.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2869	EA	2" M.I.P. X 2" P.E. Straight Compression Connection	68.25	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2870		**Male Iron Pipe Thread x Compression Connection** *(23 21 13 23-2843)*		
		Note: Ford L84.		
23 21 13 23-2871	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection	22.62	6.03
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2872	EA	3/4" M.I.P. X 1" P.E. Compression Connection	28.53	6.03
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-2873	EA	1" M.I.P. X 1" P.E. Compression Connection	34.42	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2874	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection	72.75	8.29
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2875	EA	2" M.I.P. X 2" P.E. Compression Connection	98.57	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2876		**Straight Couplings, Compression Connection** *(23 21 13 23-2843)*		
		Note: Ford C44.		
23 21 13 23-2877	EA	3/4" X 3/4" Compression Connection	24.72	5.27
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2878	EA	1" X 1" Compression Connection	29.02	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2879	EA	1-1/4" X 1-1/4" Compression Connection	55.23	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2880	EA	1-1/2" X 1-1/2" Compression Connection	66.04	8.29
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2881	EA	2" X 2" Compression Connection	84.88	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2882		**Elbow Couplings x Compression Connection** *(23 21 13 23-2843)*		
		Note: Ford L44.		
23 21 13 23-2883	EA	3/4" X 3/4" Compression Connection	27.95	5.27
		For Work In Restricted Working Space, Add	*3.17*	
23 21 13 23-2884	EA	1" X 1" Compression Connection	35.91	6.78
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2885	EA	1-1/2" X 1-1/2" Compression Connection	85.48	8.29
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2886	EA	2" X 2" Compression Connection	157.49	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2887		**Stainless Steel Insert Stiffeners** *(23 21 13 23-2843)*		
		Note: Ford insert.		
23 21 13 23-2888	EA	3/4" Stainless Steel Insert Stiffeners	6.43	1.58
		For Work In Restricted Working Space, Add	*0.94*	
23 21 13 23-2889	EA	1" Stainless Steel Insert Stiffeners	8.41	1.81
		For Work In Restricted Working Space, Add	*1.09*	
23 21 13 23-2890	EA	1-1/4" Stainless Steel Insert Stiffeners	12.53	1.96
		For Work In Restricted Working Space, Add	*1.18*	
23 21 13 23-2891	EA	1-1/2" Stainless Steel Insert Stiffeners	15.99	2.11
		For Work In Restricted Working Space, Add	*1.28*	
23 21 13 23-2892	EA	2" Stainless Steel Insert Stiffeners	25.84	2.34
		For Work In Restricted Working Space, Add	*1.41*	
23 21 13 23-2893		**Flanged Lead Corporation Stop Coupling** *(23 21 13 23-2843)*		
		Note: Lead flange x copper tube thread (Mueller)		
23 21 13 23-2894	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	50.61	9.04
		For Work In Restricted Working Space, Add	*5.43*	
23 21 13 23-2895	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	71.77	9.42
		For Work In Restricted Working Space, Add	*5.65*	
23 21 13 23-2896	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	73.27	10.17
		For Work In Restricted Working Space, Add	*6.10*	
23 21 13 23-2897	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	115.90	11.30
		For Work In Restricted Working Space, Add	*6.78*	
23 21 13 23-2898	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	159.81	12.06
		For Work In Restricted Working Space, Add	*7.23*	
23 21 13 23-2899	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	282.49	13.19
		For Work In Restricted Working Space, Add	*7.91*	
23 21 13 23-2900	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510)	351.35	14.69
		For Work In Restricted Working Space, Add	*8.81*	
23 21 13 23-2901		**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2902		**Chrome Plated Nipples** *(23 21 13 23-2901)*		
23 21 13 23-2903		**Close** *(23 21 13 23-2902)*		
23 21 13 23-2904	EA	1/4" Diameter Chrome Plated Nipple, Close	14.92	6.03
23 21 13 23-2905	EA	3/8" Diameter Chrome Plated Nipple, Close	13.79	6.55
23 21 13 23-2906	EA	1/2" Diameter Chrome Plated Nipple, Close	17.49	7.54
23 21 13 23-2907	EA	3/4" Diameter Chrome Plated Nipple, Close	23.18	9.57
23 21 13 23-2908	EA	1" Diameter Chrome Plated Nipple, Close	31.18	12.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2909	EA	1-1/4" Diameter Chrome Plated Nipple, Close	44.28	17.56
23 21 13 23-2910	EA	1-1/2" Diameter Chrome Plated Nipple, Close	54.59	20.57
23 21 13 23-2911	EA	2" Diameter Chrome Plated Nipple, Close	70.96	25.62
23 21 13 23-2912		**1-1/2" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2913	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	16.04	6.26
23 21 13 23-2914	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	14.62	6.78
23 21 13 23-2915	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	17.89	7.76
23 21 13 23-2916	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	24.05	9.79
23 21 13 23-2917		**2" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2918	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	16.69	6.55
23 21 13 23-2919	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	15.12	7.01
23 21 13 23-2920	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	19.50	8.07
23 21 13 23-2921	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	25.40	10.02
23 21 13 23-2922	EA	1" Diameter, 2" Length, Chrome Plated Nipple	33.11	13.04
23 21 13 23-2923	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	47.67	18.09
23 21 13 23-2924	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	58.54	21.10
23 21 13 23-2925		**2-1/2" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2926	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	17.72	6.78
23 21 13 23-2927	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	15.67	7.31
23 21 13 23-2928	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	20.41	8.29
23 21 13 23-2929	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	26.01	10.32
23 21 13 23-2930	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	34.14	13.34
23 21 13 23-2931	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	51.07	18.31
23 21 13 23-2932	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	63.15	21.33
23 21 13 23-2933	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	80.86	26.38
23 21 13 23-2934		**3" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2935	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	18.48	7.01
23 21 13 23-2936	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	16.72	7.54
23 21 13 23-2937	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	20.23	8.07
23 21 13 23-2938	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	28.44	10.55
23 21 13 23-2939	EA	1" Diameter, 3" Length, Chrome Plated Nipple	39.27	13.56
23 21 13 23-2940	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	54.80	18.61
23 21 13 23-2941	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	74.20	21.62
23 21 13 23-2942	EA	2" Diameter, 3" Length, Chrome Plated Nipple	89.47	26.67
23 21 13 23-2943		**3-1/2" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2944	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	19.37	7.31
23 21 13 23-2945	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	18.63	7.76
23 21 13 23-2946	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	22.34	8.82
23 21 13 23-2947	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	32.12	10.78
23 21 13 23-2948	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	41.16	13.79
23 21 13 23-2949	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	62.29	18.84
23 21 13 23-2950	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	77.39	21.85
23 21 13 23-2951	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	96.31	26.90
23 21 13 23-2952		**4" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2953	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	20.24	7.54
23 21 13 23-2954	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	19.05	8.07
23 21 13 23-2955	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	22.76	8.51
23 21 13 23-2956	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	33.47	11.07
23 21 13 23-2957	EA	1" Diameter, 4" Length, Chrome Plated Nipple	42.95	14.09
23 21 13 23-2958	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	67.94	19.06
23 21 13 23-2959	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	84.13	22.08
23 21 13 23-2960	EA	2" Diameter, 4" Length, Chrome Plated Nipple	104.68	27.13
23 21 13 23-2961		**4-1/2" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2962	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	21.01	7.76
23 21 13 23-2963	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	20.96	8.29
23 21 13 23-2964	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	25.01	9.27
23 21 13 23-2965	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	35.06	11.30
23 21 13 23-2966	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	49.52	14.32
23 21 13 23-2967	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	73.36	19.37
23 21 13 23-2968	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	87.05	22.38
23 21 13 23-2969	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	112.36	27.43
23 21 13 23-2970		**5" Nipples** *(23 21 13 23-2902)*		
23 21 13 23-2971	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	24.04	8.07
23 21 13 23-2972	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	22.10	8.51
23 21 13 23-2973	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	25.97	9.57
23 21 13 23-2974	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	36.56	11.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2975	EA	1" Diameter, 5" Length, Chrome Plated Nipple	53.44	14.54
23 21 13 23-2976	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	78.27	19.59
23 21 13 23-2977	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	93.80	22.61
23 21 13 23-2978	EA	2" Diameter, 5" Length, Chrome Plated Nipple	117.26	27.66
23 21 13 23-2979		5-1/2" Nipples *(23 21 13 23-2902)*		
23 21 13 23-2980	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	24.83	8.29
23 21 13 23-2981	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	22.94	8.82
23 21 13 23-2982	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	28.98	9.79
23 21 13 23-2983	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	38.06	11.83
23 21 13 23-2984	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	55.43	14.84
23 21 13 23-2985	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	84.26	19.81
23 21 13 23-2986	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	99.18	22.83
23 21 13 23-2987	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	123.56	27.88
23 21 13 23-2988		6" Nipples *(23 21 13 23-2902)*		
23 21 13 23-2989	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	25.80	8.51
23 21 13 23-2990	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	23.34	9.04
23 21 13 23-2991	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	29.85	10.02
23 21 13 23-2992	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	39.25	12.06
23 21 13 23-2993	EA	1" Diameter, 6" Length, Chrome Plated Nipple	61.80	15.07
23 21 13 23-2994	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	87.87	20.12
23 21 13 23-2995	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	107.51	23.13
23 21 13 23-2996	EA	2" Diameter, 6" Length, Chrome Plated Nipple	129.32	28.18
23 21 13 23-2997		8" Nipples *(23 21 13 23-2902)*		
23 21 13 23-2998	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	28.80	9.57
23 21 13 23-2999	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	45.31	10.55
23 21 13 23-3000	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	55.29	12.59
23 21 13 23-3001	EA	1" Diameter, 8" Length, Chrome Plated Nipple	74.34	15.60
23 21 13 23-3002	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	108.01	20.57
23 21 13 23-3003	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	133.97	23.58
23 21 13 23-3004	EA	2" Diameter, 8" Length, Chrome Plated Nipple	165.42	28.63
23 21 13 23-3005		10" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3006	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	34.36	9.57
23 21 13 23-3007	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	52.31	10.55
23 21 13 23-3008	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	63.40	12.59
23 21 13 23-3009	EA	1" Diameter, 10" Length, Chrome Plated Nipple	86.60	15.60
23 21 13 23-3010	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	134.25	20.57
23 21 13 23-3011	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	153.95	23.58
23 21 13 23-3012	EA	2" Diameter, 10" Length, Chrome Plated Nipple	197.39	28.63
23 21 13 23-3013		12" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3014	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	38.41	10.55
23 21 13 23-3015	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	54.74	11.07
23 21 13 23-3016	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	70.64	13.04
23 21 13 23-3017	EA	1" Diameter, 12" Length, Chrome Plated Nipple	102.99	16.58
23 21 13 23-3018	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	151.80	21.62
23 21 13 23-3019	EA	2" Diameter, 12" Length, Chrome Plated Nipple	224.45	29.69
23 21 13 23-3020		18" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3021	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	50.84	11.07
23 21 13 23-3022		24" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3023	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	62.71	11.53
23 21 13 23-3024		30" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3025	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	70.16	12.06
23 21 13 23-3026		36" Nipples *(23 21 13 23-2902)*		
23 21 13 23-3027	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	77.61	12.59
23 21 13 23-3028		Chrome Plated Fittings *(23 21 13 23-2901)*		
23 21 13 23-3029		Chrome Plated 90 Degree Elbows *(23 21 13 23-3028)*		
23 21 13 23-3030	EA	1/4" 90 Degree Elbow, Chrome Plated	19.89	7.01
23 21 13 23-3031	EA	3/8" 90 Degree Elbow, Chrome Plated	20.04	7.54
23 21 13 23-3032	EA	1/2" 90 Degree Elbow, Chrome Plated	22.86	8.07
23 21 13 23-3033	EA	3/4" 90 Degree Elbow, Chrome Plated	28.97	10.55
23 21 13 23-3034	EA	1" 90 Degree Elbow, Chrome Plated	39.87	13.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-3035	EA	1-1/4" 90 Degree Elbow, Chrome Plated	62.88	18.61
23 21 13 23-3036	EA	1-1/2" 90 Degree Elbow, Chrome Plated	76.03	21.62
23 21 13 23-3037	EA	2" 90 Degree Elbow, Chrome Plated	106.11	26.67
23 21 13 23-3038		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-3028)*		
23 21 13 23-3039	EA	1/4" Street 90 Degree Elbow, Chrome Plated	23.81	7.01
23 21 13 23-3040	EA	3/8" Street 90 Degree Elbow, Chrome Plated	24.34	7.54
23 21 13 23-3041	EA	1/2" Street 90 Degree Elbow, Chrome Plated	25.85	8.07
23 21 13 23-3042	EA	3/4" Street 90 Degree Elbow, Chrome Plated	33.38	10.55
23 21 13 23-3043	EA	1" Street 90 Degree Elbow, Chrome Plated	47.99	13.56
23 21 13 23-3044	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	71.20	18.61
23 21 13 23-3045	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	87.70	21.62
23 21 13 23-3046	EA	2" Street 90 Degree Elbow, Chrome Plated	133.57	26.67
23 21 13 23-3047		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-3028)*		
23 21 13 23-3048	EA	1/4" 45 Degree Elbow, Chrome Plated	20.76	7.01
23 21 13 23-3049	EA	3/8" 45 Degree Elbow, Chrome Plated	21.28	7.54
23 21 13 23-3050	EA	1/2" 45 Degree Elbow, Chrome Plated	23.75	8.07
23 21 13 23-3051	EA	3/4" 45 Degree Elbow, Chrome Plated	32.33	10.55
23 21 13 23-3052	EA	1" 45 Degree Elbow, Chrome Plated	43.63	13.56
23 21 13 23-3053	EA	1-1/4" 45 Degree Elbow, Chrome Plated	67.40	18.61
23 21 13 23-3054	EA	1-1/2" 45 Degree Elbow, Chrome Plated	82.08	21.62
23 21 13 23-3055	EA	2" 45 Degree Elbow, Chrome Plated	122.73	26.67
23 21 13 23-3056		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-3028)*		
23 21 13 23-3057	EA	1/2" Street 45 Degree Elbow, Chrome Plated	29.13	8.07
23 21 13 23-3058		**Chrome Plated Couplings** *(23 21 13 23-3028)*		
23 21 13 23-3059	EA	1/4" Coupling, Chrome Plated	19.36	7.01
23 21 13 23-3060	EA	3/8" Coupling, Chrome Plated	20.11	7.54
23 21 13 23-3061	EA	1/2" Coupling, Chrome Plated	23.08	8.07
23 21 13 23-3062	EA	3/4" Coupling, Chrome Plated	29.06	10.55
23 21 13 23-3063	EA	1" Coupling, Chrome Plated	38.01	13.56
23 21 13 23-3064	EA	1-1/4" Coupling, Chrome Plated	56.11	18.61
23 21 13 23-3065	EA	1-1/2" Coupling, Chrome Plated	70.37	21.62
23 21 13 23-3066	EA	2" Coupling, Chrome Plated	99.19	26.67
23 21 13 23-3067		**Chrome Plated Unions** *(23 21 13 23-3028)*		
23 21 13 23-3068	EA	1/4" Union, Chrome Plated	33.33	8.07
23 21 13 23-3069	EA	3/8" Union, Chrome Plated	34.11	8.51
23 21 13 23-3070	EA	1/2" Union, Chrome Plated	41.77	9.57
23 21 13 23-3071	EA	3/4" Union, Chrome Plated	51.29	12.59
23 21 13 23-3072	EA	1" Union, Chrome Plated	64.73	16.05
23 21 13 23-3073	EA	1-1/4" Union, Chrome Plated	108.05	21.62
23 21 13 23-3074	EA	1-1/2" Union, Chrome Plated	135.42	25.62
23 21 13 23-3075	EA	2" Union, Chrome Plated	178.30	31.19
23 21 13 23-3076		**Chrome Plated Caps** *(23 21 13 23-3028)*		
23 21 13 23-3077	EA	1/4" Cap, Chrome Plated	13.86	3.55
23 21 13 23-3078	EA	3/8" Cap, Chrome Plated	14.24	3.77
23 21 13 23-3079	EA	1/2" Cap, Chrome Plated	16.46	3.99
23 21 13 23-3080	EA	3/4" Cap, Chrome Plated	20.34	5.27
23 21 13 23-3081	EA	1" Cap, Chrome Plated	23.83	6.78
23 21 13 23-3082	EA	1-1/4" Cap, Chrome Plated	35.66	9.27
23 21 13 23-3083	EA	1-1/2" Cap, Chrome Plated	47.99	10.78
23 21 13 23-3084	EA	2" Cap, Chrome Plated	71.33	14.09
23 21 13 23-3085		**Chrome Plated Plugs** *(23 21 13 23-3028)*		
23 21 13 23-3086	EA	1/4" Plug, Chrome Plated	10.87	3.55
23 21 13 23-3087	EA	3/8" Plug, Chrome Plated	11.25	3.77
23 21 13 23-3088	EA	1/2" Plug, Chrome Plated	13.31	3.99
23 21 13 23-3089	EA	3/4" Plug, Chrome Plated	18.11	5.27
23 21 13 23-3090	EA	1" Plug, Chrome Plated	22.12	6.78
23 21 13 23-3091	EA	1-1/4" Plug, Chrome Plated	29.77	9.27
23 21 13 23-3092	EA	1-1/2" Plug, Chrome Plated	37.21	10.78
23 21 13 23-3093	EA	2" Plug, Chrome Plated	52.58	14.09
23 21 13 23-3094		**Chrome Plated Tees** *(23 21 13 23-3028)*		
23 21 13 23-3095	EA	1/4" Chrome Plated Tee	27.09	10.55
23 21 13 23-3096	EA	3/8" Chrome Plated Tee	28.60	11.53
23 21 13 23-3097	EA	1/2" Chrome Plated Tee	32.10	12.59
23 21 13 23-3098	EA	3/4" Chrome Plated Tee	40.03	15.60
23 21 13 23-3099	EA	1" Chrome Plated Tee	58.34	20.12
23 21 13 23-3100	EA	1-1/4" Chrome Plated Tee	80.47	27.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-3101	EA	1-1/2" Chrome Plated Tee	105.27	32.18
23 21 13 23-3102	EA	2" Chrome Plated Tee	147.52	39.71
23 21 13 23-3103		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-3028)*		
23 21 13 23-3104	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	30.11	12.59
23 21 13 23-3105	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	34.63	15.60
23 21 13 23-3106		**Chrome Plated Bell Reducers** *(23 21 13 23-3028)*		
23 21 13 23-3107	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	33.72	12.59
23 21 13 23-3108	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	40.85	15.60
23 21 13 23-3109	EA	1" x 1/2" Bell Reducer, Chrome Plated	51.68	20.12
23 21 13 23-3110		**Chrome Plated Reducing Tees** *(23 21 13 23-3028)*		
23 21 13 23-3111	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	45.43	15.60
23 21 13 23-3112		**Chrome Plated Bushings** *(23 21 13 23-3028)*		
23 21 13 23-3113	EA	3/8" x 1/4" Bushing, Chrome Plated	10.78	3.55
23 21 13 23-3114	EA	1/2" x 1/4" Bushing, Chrome Plated	11.63	3.77
23 21 13 23-3115	EA	1/2" x 3/8" Bushing, Chrome Plated	12.01	3.99
23 21 13 23-3116	EA	3/4" x 1/2" Bushing, Chrome Plated	15.14	5.27
23 21 13 23-3117	EA	1" x 3/4" Bushing, Chrome Plated	22.70	6.78
23 21 13 23-3118	EA	1-1/4" x 1" Bushing, Chrome Plated	33.64	9.27
23 21 13 23-3119		**Aluminum Tubing Assemblies** *(23 21 13 23)* Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-3120	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.85	2.64
23 21 13 23-3121	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	10.04	3.02
23 21 13 23-3122	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.09	3.39
23 21 13 23-3123	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.93	3.77
23 21 13 23-3124	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.33	4.15
23 21 13 23-3125	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.07	4.52
23 21 13 23-3126	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.07	5.21
23 21 13 23-3127	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	25.09	5.90
23 21 13 23-3128	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	29.82	6.60
23 21 13 23-3129	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	38.82	6.95
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		**Vent Valves** *(23 21 16)*		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	72.10	11.31
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	195.32	12.16
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	185.40	12.16
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	192.34	12.16
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	253.10	12.16
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	182.67	12.16
23 21 16 00-0008		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0009		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0008)*		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	226.41	19.04
		For Flanged Inlet, Add	*102.67*	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	253.08	22.57
		For Flanged Inlet, Add	*110.22*	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	323.94	26.09
		For Flanged Inlet, Add	*148.70*	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	504.26	29.62
		For Flanged Inlet, Add	*261.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	566.35	35.26
		For Flanged Inlet, Add	*289.22*	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	797.83	44.42
		For Flanged Inlet, Add	*422.65*	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,888.98	58.53
		For Flanged Inlet, Add	*1,124.67*	

23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0008)*

23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	653.51	19.04
		For Flanged Inlet, Add	*393.10*	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	791.47	22.57
		For Flanged Inlet, Add	*476.33*	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,149.21	26.09
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,163.47	29.62
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,698.62	35.26
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,733.88	44.42
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,909.83	58.53
		For Flanged Inlet, Add	*1,818.84*	

23 21 16 00-0025 Y-Type Strainers *(23 21 16)*

23 21 16 00-0026 Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	69.74	8.45
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*7.24*	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	70.12	8.59
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*7.35*	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.61	11.61
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 16 00-0030	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	113.16	13.88
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*11.88*	
23 21 16 00-0031	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	149.80	17.16
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*14.71*	
23 21 16 00-0032	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	174.16	18.48
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*15.84*	
23 21 16 00-0033	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	247.18	21.12
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*18.10*	
23 21 16 00-0034	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	495.44	26.40
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*22.63*	
23 21 16 00-0035	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	643.01	33.03
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*28.28*	

23 21 16 00-0036 Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0025)*

23 21 16 00-0037	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	446.71	79.19
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*29.77*	
23 21 16 00-0038	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	501.72	100.54
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0039	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,056.88	128.22
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0040	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,286.61	214.95
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0041	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,408.62	216.78
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*81.17*	
23 21 16 00-0042	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,715.58	240.86
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0043	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,166.06	307.78
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0044	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,672.81	374.68
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0045	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,120.33	334.54
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*200.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0046		Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*		
		Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	60.24	8.59
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*7.35*	
23 21 16 00-0048	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	79.62	11.61
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 16 00-0049	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	98.10	13.88
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*11.88*	
23 21 16 00-0050	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	136.92	17.16
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*14.71*	
23 21 16 00-0051	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	166.94	18.48
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*15.84*	
23 21 16 00-0052	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	230.31	21.12
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*18.10*	
23 21 16 00-0053	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	330.42	26.40
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*22.63*	
23 21 16 00-0054	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	622.98	33.03
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*28.28*	
23 21 16 00-0055	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,116.53	39.60
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*33.94*	
23 21 16 00-0056		Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0025)*		
		Note: With bolted cap.		
23 21 16 00-0057	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	569.51	100.54
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	589.31	109.36
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0059	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	678.25	128.22
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0060	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,527.49	214.95
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0061	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,209.27	240.86
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0062	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,636.95	307.78
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0063	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,149.67	374.68
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0064		Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0025)*		
23 21 16 00-0065		Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0064)*		
23 21 16 00-0066	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	96.31	8.29
		For Work In Restricted Working Space, Add	*7.23*	
23 21 16 00-0067	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	113.08	11.38
		For Work In Restricted Working Space, Add	*9.72*	
23 21 16 00-0068	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	132.51	15.44
		For Work In Restricted Working Space, Add	*13.34*	
23 21 16 00-0069	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	209.14	16.58
		For Work In Restricted Working Space, Add	*14.24*	
23 21 16 00-0070	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	211.50	17.93
		For Work In Restricted Working Space, Add	*15.37*	
23 21 16 00-0071	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	247.93	20.34
		For Work In Restricted Working Space, Add	*17.40*	
23 21 16 00-0072	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	527.39	26.38
		For Work In Restricted Working Space, Add	*22.61*	
23 21 16 00-0073	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	517.98	33.00
		For Work In Restricted Working Space, Add	*28.26*	
23 21 16 00-0074	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	842.63	35.11
		For Work In Restricted Working Space, Add	*30.06*	
23 21 16 00-0075		Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0064)*		
23 21 16 00-0076	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	409.68	47.09
		For Work In Restricted Working Space, Add	*28.26*	
23 21 16 00-0077	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	811.87	61.41
		For Work In Restricted Working Space, Add	*36.85*	
23 21 16 00-0078	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	814.84	128.10
		For Work In Restricted Working Space, Add	*48.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0079	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,323.88	214.75
		For Work In Restricted Working Space, Add	*80.73*	
23 21 16 00-0080		**Crimped Bronze Body, Class 125, Y-Type Strainers** *(23 21 16 00-0025)*		
		Note: NIBCO		
23 21 16 00-0081	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	176.94	7.54
		For Work In Restricted Working Space, Add	*5.09*	
23 21 16 00-0082	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	205.24	8.29
		For Work In Restricted Working Space, Add	*5.79*	
23 21 16 00-0083	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	296.02	9.42
		For Work In Restricted Working Space, Add	*6.92*	
23 21 16 00-0084	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	401.67	10.02
		For Work In Restricted Working Space, Add	*7.63*	
23 21 16 00-0085	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	485.66	11.60
		For Work In Restricted Working Space, Add	*8.48*	
23 21 16 00-0086	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	726.11	13.72
		For Work In Restricted Working Space, Add	*10.17*	
23 21 16 00-0087		**Crimped Bronze Body, 250 PSI, Y-Type Strainers** *(23 21 16 00-0025)*		
23 21 16 00-0088	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	68.06	7.54
23 21 16 00-0089	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	83.72	8.29
23 21 16 00-0090	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	125.26	9.42
23 21 16 00-0091	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	154.46	10.02
23 21 16 00-0092	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	185.34	11.60
23 21 16 00-0093	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	244.95	13.72
23 21 16 00-0094		**Cast Iron Body, Suction Diffusers** *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0095	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	534.46	29.72
		For Work In Restricted Working Space, Add	*14.55*	
23 21 16 00-0096	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	559.27	32.96
		For Work In Restricted Working Space, Add	*16.16*	
23 21 16 00-0097	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	566.84	34.62
		For Work In Restricted Working Space, Add	*16.97*	
23 21 16 00-0098	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,050.74	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0099	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	580.84	40.27
		For Work In Restricted Working Space, Add	*19.72*	
23 21 16 00-0100	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	663.46	40.27
		For Work In Restricted Working Space, Add	*19.72*	
23 21 16 00-0101	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,096.43	119.04
		For Work In Restricted Working Space, Add	*44.64*	
23 21 16 00-0102	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,112.96	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0103	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,337.49	171.93
		For Work In Restricted Working Space, Add	*64.47*	
23 21 16 00-0104	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,562.02	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0105	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,815.93	216.44
		For Work In Restricted Working Space, Add	*81.17*	
23 21 16 00-0106	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,212.00	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0107	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,471.97	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0108	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	3,973.59	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0109	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,516.43	374.68
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0110	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,337.71	374.68
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0111		**Duplex Strainers** *(23 21 16)*		
23 21 16 00-0112		**Iron Body, Duplex Strainers** *(23 21 16 00-0111)*		
23 21 16 00-0113		**Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers** *(23 21 16 00-0112)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0114	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	948.61	18.78
		For Work In Restricted Working Space, Add	*11.28*	
23 21 16 00-0115	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,058.43	21.50
		For Work In Restricted Working Space, Add	*12.91*	
23 21 16 00-0116	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,440.76	25.26
		For Work In Restricted Working Space, Add	*15.15*	
23 21 16 00-0117	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,820.17	27.53
		For Work In Restricted Working Space, Add	*16.52*	
23 21 16 00-0118	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,444.54	33.56
		For Work In Restricted Working Space, Add	*20.20*	
23 21 16 00-0119	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,075.24	42.99
		For Work In Restricted Working Space, Add	*25.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0120		Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0112)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0121	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,304.79	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0122	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,411.12	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0123	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,383.44	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0124	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	6,881.83	190.68
		For Work In Restricted Working Space, Add	*71.69*	
23 21 16 00-0125	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,587.92	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0126	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,004.85	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0127	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	35,960.30	374.68
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0128	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	40,422.69	472.36
		For Work In Restricted Working Space, Add	*283.51*	
23 21 16 00-0129	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	48,497.79	535.25
		For Work In Restricted Working Space, Add	*200.72*	
23 21 16 00-0130	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	60,711.66	588.78
		For Work In Restricted Working Space, Add	*220.79*	
23 21 16 00-0131		Bronze Body, Duplex Strainers *(23 21 16 00-0111)*		
23 21 16 00-0132		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0131)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0133	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,793.21	18.85
		For Work In Restricted Working Space, Add	*11.28*	
23 21 16 00-0134	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,988.43	21.50
		For Work In Restricted Working Space, Add	*12.91*	
23 21 16 00-0135	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,921.17	25.26
		For Work In Restricted Working Space, Add	*15.15*	
23 21 16 00-0136	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,850.99	27.53
		For Work In Restricted Working Space, Add	*16.52*	
23 21 16 00-0137	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	4,978.32	33.56
		For Work In Restricted Working Space, Add	*20.20*	
23 21 16 00-0138	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,111.99	42.99
		For Work In Restricted Working Space, Add	*25.79*	
23 21 16 00-0139		Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0131)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0140	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	6,958.37	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0141	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,159.60	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0142	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,840.09	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0143	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,517.57	190.68
		For Work In Restricted Working Space, Add	*71.69*	
23 21 16 00-0144	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	33,896.14	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0145		Cast Steel Body, Duplex Strainers *(23 21 16 00-0111)*		
23 21 16 00-0146		Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0145)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0147	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,806.24	21.50
		For Work In Restricted Working Space, Add	*12.91*	
23 21 16 00-0148	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,458.45	25.26
		For Work In Restricted Working Space, Add	*15.15*	
23 21 16 00-0149	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,107.78	27.53
		For Work In Restricted Working Space, Add	*16.52*	
23 21 16 00-0150	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	6,975.37	33.56
		For Work In Restricted Working Space, Add	*20.20*	
23 21 16 00-0151		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0145)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0152	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,079.79	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0153	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,782.02	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0154	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,246.20	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0155	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,022.14	190.68
		For Work In Restricted Working Space, Add	*71.69*	
23 21 16 00-0156	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,723.73	240.86
		For Work In Restricted Working Space, Add	*90.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0157	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,304.38	307.78
		For Work In Restricted Working Space, Add	*114.70*	

23 21 16 00-0158 Stainless Steel Body, Duplex Strainers *(23 21 16 00-0111)*

23 21 16 00-0159 Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0158)*

Note: With stainless steel basket.

23 21 16 00-0160	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,466.92	21.50
		For Work In Restricted Working Space, Add	*12.91*	
23 21 16 00-0161	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,175.52	25.26
		For Work In Restricted Working Space, Add	*15.15*	
23 21 16 00-0162	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,869.34	27.53
		For Work In Restricted Working Space, Add	*16.52*	
23 21 16 00-0163	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,829.66	33.56
		For Work In Restricted Working Space, Add	*20.20*	

23 21 16 00-0164 Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0158)*

Note: With stainless steel basket.

23 21 16 00-0165	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,542.30	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0166	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,386.46	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0167	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,283.55	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0168	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,310.07	190.68
		For Work In Restricted Working Space, Add	*71.69*	
23 21 16 00-0169	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,592.99	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0170	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,398.79	307.78
		For Work In Restricted Working Space, Add	*114.70*	

23 21 16 00-0171 Pressure Regulating Valve *(23 21 16)*

23 21 16 00-0172 Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0171)*

Note: For building services, 25 - 75 PSI, up to 300 Lb. rating

23 21 16 00-0173	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	215.68	9.42
		For Work In Restricted Working Space, Add	*11.30*	
23 21 16 00-0174	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	268.74	10.55
		For Work In Restricted Working Space, Add	*12.56*	
23 21 16 00-0175	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	360.64	11.30
		For Work In Restricted Working Space, Add	*13.30*	
23 21 16 00-0176	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	634.93	12.66
		For Work In Restricted Working Space, Add	*15.07*	
23 21 16 00-0177	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	866.86	15.07
		For Work In Restricted Working Space, Add	*18.08*	
23 21 16 00-0178	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,238.38	23.13
		For Work In Restricted Working Space, Add	*27.78*	
23 21 16 00-0179	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,344.92	26.04
		For Work In Restricted Working Space, Add	*31.25*	
23 21 16 00-0180	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,476.97	75.35
		For Work In Restricted Working Space, Add	*34.73*	

23 21 16 00-0181 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0171)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0182 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0181)*

23 21 16 00-0183	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	371.20	12.67
		For Work In Restricted Working Space, Add	*15.18*	
23 21 16 00-0184	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	459.66	17.95
		For Work In Restricted Working Space, Add	*21.55*	
23 21 16 00-0185	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	593.68	21.87
		For Work In Restricted Working Space, Add	*26.31*	
23 21 16 00-0186	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	803.83	26.55
		For Work In Restricted Working Space, Add	*30.58*	
23 21 16 00-0187	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,091.83	30.16
		For Work In Restricted Working Space, Add	*34.81*	
23 21 16 00-0188	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,274.07	42.32
		For Work In Restricted Working Space, Add	*42.31*	

23 21 16 00-0189 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0181)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0190	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,057.11	102.25
		For Work In Restricted Working Space, Add	*38.47*	
23 21 16 00-0191	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,807.03	119.88
		For Work In Restricted Working Space, Add	*45.01*	
23 21 16 00-0192	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,860.98	200.98
		For Work In Restricted Working Space, Add	*75.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0193	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,286.40	225.01
		For Work In Restricted Working Space, Add	*84.68*	

23 21 16 00-0194 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0171)*

23 21 16 00-0195 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0194)*

23 21 16 00-0196	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,243.92	9.20
		For Work In Restricted Working Space, Add	*13.80*	
23 21 16 00-0197	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,291.59	9.20
		For Work In Restricted Working Space, Add	*13.80*	
23 21 16 00-0198	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,436.05	11.61
		For Work In Restricted Working Space, Add	*17.42*	
23 21 16 00-0199	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,859.70	14.79
		For Work In Restricted Working Space, Add	*22.17*	
23 21 16 00-0200	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,273.52	17.04
		For Work In Restricted Working Space, Add	*25.57*	
23 21 16 00-0201	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,061.85	20.06
		For Work In Restricted Working Space, Add	*30.09*	

23 21 16 00-0202 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0194)*

23 21 16 00-0203	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,016.59	102.25
		For Work In Restricted Working Space, Add	*38.47*	
23 21 16 00-0204	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,192.98	119.88
		For Work In Restricted Working Space, Add	*45.01*	
23 21 16 00-0205	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,366.58	200.98
		For Work In Restricted Working Space, Add	*75.56*	
23 21 16 00-0206	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,730.80	225.01
		For Work In Restricted Working Space, Add	*84.68*	

23 21 16 00-0207 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0171)*

23 21 16 00-0208	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	244.95	9.79
23 21 16 00-0209	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	306.05	10.85
23 21 16 00-0210	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	412.65	11.53
23 21 16 00-0211	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	731.07	13.11
23 21 16 00-0212	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	999.46	15.68
23 21 16 00-0213	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,426.78	24.03
23 21 16 00-0214	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,545.45	26.18
23 21 16 00-0215	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,700.79	30.14

23 21 16 00-0216 Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0171)*

Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).

23 21 16 00-0217	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	195.76	9.42
23 21 16 00-0218	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	214.78	10.55
23 21 16 00-0219	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	272.88	11.68
23 21 16 00-0220	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	689.46	12.66
23 21 16 00-0221	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	742.74	15.07
23 21 16 00-0222	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,168.95	23.13

23 21 16 00-0223 Plastic Pressure Regulator *(23 21 16 00-0171)*

23 21 16 00-0224 Polyvinyl Chloride (PVC) Pressure Regulator Valves *(23 21 16 00-0223)*

23 21 16 00-0225	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	260.82	11.30
23 21 16 00-0226	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	285.20	15.68
23 21 16 00-0227	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	515.40	18.84
23 21 16 00-0228	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	577.73	25.17
23 21 16 00-0229	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	682.31	30.14
23 21 16 00-0230	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	825.72	47.09

23 21 16 00-0231 Polypropylene Pressure Regulator Valves *(23 21 16 00-0223)*

23 21 16 00-0232	EA	1/4" Polypropylene Pressure Regulator Valve	335.46	11.30
23 21 16 00-0233	EA	1/2" Polypropylene Pressure Regulator Valve	409.61	15.82
23 21 16 00-0234	EA	3/4" Polypropylene Pressure Regulator Valve	633.84	18.84
23 21 16 00-0235	EA	1" Polypropylene Pressure Regulator Valve	746.93	25.17
23 21 16 00-0236	EA	1-1/2" Polypropylene Pressure Regulator Valve	871.41	30.14
23 21 16 00-0237	EA	2" Polypropylene Pressure Regulator Valve	1,068.57	47.09

23 21 16 00-0238 Teflon (PTFE) Pressure Regulator Valves *(23 21 16 00-0223)*

23 21 16 00-0239	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	728.60	11.30
23 21 16 00-0240	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	832.60	15.68
23 21 16 00-0241	EA	3/4" Teflon Pressure Regulator Valve	1,411.16	18.84
23 21 16 00-0242	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,951.21	25.17
23 21 16 00-0243	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,354.38	30.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0244	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,289.04	47.09
23 21 16 00-0245		**Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves** *(23 21 16 00-0223)*		
23 21 16 00-0246	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	231.56	11.30
23 21 16 00-0247	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	262.45	15.68
23 21 16 00-0248	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	428.60	18.84
23 21 16 00-0249	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	506.47	25.10
23 21 16 00-0250	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	588.64	30.14
23 21 16 00-0251		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0252	EA	1/2" Dual Unit Reducing And Relief Valve	218.35	23.00
23 21 16 00-0253		**Safety Relief Valve** *(23 21 16)* Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0254		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0253)* Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0255	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	65.03	9.42
23 21 16 00-0256	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	99.06	10.36
23 21 16 00-0257	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	150.91	12.62
23 21 16 00-0258	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	204.95	13.37
23 21 16 00-0259	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	283.94	17.89
23 21 16 00-0260	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	390.59	21.10
23 21 16 00-0261	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	434.74	26.38
23 21 16 00-0262		**Plastic Pressure Relief Valves** *(23 21 16 00-0253)*		
23 21 16 00-0263		**Polyvinyl Chloride (PVC) Pressure Relief Valves** *(23 21 16 00-0262)*		
23 21 16 00-0264	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	212.71	11.30
23 21 16 00-0265	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	230.46	15.82
23 21 16 00-0266	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	444.08	18.84
23 21 16 00-0267	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	522.99	25.24
23 21 16 00-0268	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	682.31	30.14
23 21 16 00-0269	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	840.65	47.09
23 21 16 00-0270		**Polypropylene Pressure Relief Valves** *(23 21 16 00-0262)*		
23 21 16 00-0271	EA	1/4" Polypropylene Pressure Relief Valve	245.89	11.30
23 21 16 00-0272	EA	1/2" Polypropylene Pressure Relief Valve	280.22	15.68
23 21 16 00-0273	EA	3/4" Polypropylene Pressure Relief Valve	560.19	18.84
23 21 16 00-0274	EA	1" Polypropylene Pressure Relief Valve	647.40	25.17
23 21 16 00-0275	EA	1-1/2" Polypropylene Pressure Relief Valve	1,155.07	30.14
23 21 16 00-0276	EA	2" Polypropylene Pressure Relief Valve	1,404.64	47.09
23 21 16 00-0277		**Teflon (PTFE) Pressure Relief Valves** *(23 21 16 00-0262)*		
23 21 16 00-0278	EA	1/4" Teflon (PTFE) Pressure Relief Valve	444.94	11.30
23 21 16 00-0279	EA	1/2" Teflon (PTFE) Pressure Relief Valve	487.57	15.68
23 21 16 00-0280	EA	3/4" Teflon (PTFE) Pressure Relief Valve	933.42	18.84
23 21 16 00-0281	EA	1" Teflon (PTFE) Pressure Relief Valve	1,095.27	25.17
23 21 16 00-0282	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,802.00	30.14
23 21 16 00-0283	EA	2" Teflon (PTFE) Pressure Relief Valve	2,316.98	47.09
23 21 16 00-0284		**Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves** *(23 21 16 00-0262)*		
23 21 16 00-0285	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	216.62	15.68
23 21 16 00-0286	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	246.30	18.84
23 21 16 00-0287	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	297.86	25.10
23 21 16 00-0288	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	383.93	30.14
23 21 16 00-0289	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	477.32	47.09
23 21 16 00-0290		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0291	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	82.05	19.21
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0292	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	108.23	23.05
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0293	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	162.61	30.74
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0294	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	292.65	32.93
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0295	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	517.13	36.92
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0296	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	584.31	53.13
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0297		**Thermostatic Radiator Valves** *(23 21 16)* Note: For hot water or two pipe low pressure steam.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0298	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	83.47	12.16
23 21 16 00-0299	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	99.18	16.39
23 21 16 00-0300	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	135.04	19.85
23 21 16 00-0301	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	218.04	25.15
23 21 16 00-0302	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	83.47	12.16
23 21 16 00-0303	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	99.18	16.39
23 21 16 00-0304	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	135.04	19.85
23 21 16 00-0305	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	218.04	25.15
23 21 16 00-0306	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	89.82	9.43
23 21 16 00-0307	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	155.14	13.20

23 21 16 00-0308 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0309	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	147.92	
23 21 16 00-0310	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	185.48	
23 21 16 00-0311	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	190.93	
23 21 16 00-0312	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	216.22	
23 21 16 00-0313	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	530.34	

23 21 16 00-0314 Horizontal Steel Expansion Tanks *(23 21 16)*

Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.

23 21 16 00-0315	EA	10 Gallon Horizontal Steel Expansion Tank	702.80	75.42
23 21 16 00-0316	EA	15 Gallon Horizontal Steel Expansion Tank	1,016.51	94.27
23 21 16 00-0317	EA	30 Gallon Horizontal Steel Expansion Tank	1,350.93	113.13
23 21 16 00-0318	EA	40 Gallon Horizontal Steel Expansion Tank	1,551.89	131.98
23 21 16 00-0319	EA	60 Gallon Horizontal Steel Expansion Tank	1,818.28	133.82

23 21 16 00-0320 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks *(23 21 16)*

Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.

23 21 16 00-0321	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,529.71	56.56
23 21 16 00-0322	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,589.72	65.99
23 21 16 00-0323	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,395.57	75.42
23 21 16 00-0324	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,487.08	84.85
23 21 16 00-0325	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,394.63	94.27
23 21 16 00-0326	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,575.72	103.70
23 21 16 00-0327	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,262.90	113.13
23 21 16 00-0328	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,560.23	122.55
23 21 16 00-0329	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,029.48	131.98
23 21 16 00-0330	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,154.37	150.84
23 21 16 00-0331	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,487.58	169.70
23 21 16 00-0332	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,445.46	188.56
23 21 16 00-0333	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,634.78	226.26

23 21 16 00-0334 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)

(23 21 16)

Note: ASME. Precharged with working pressure 125 psi

23 21 16 00-0335	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,752.49	56.56
23 21 16 00-0336	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,800.39	65.99
23 21 16 00-0337	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,598.98	75.42
23 21 16 00-0338	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,770.39	84.85
23 21 16 00-0339	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,537.49	94.27
23 21 16 00-0340	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,716.16	103.70
23 21 16 00-0341	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,546.22	113.13
23 21 16 00-0342	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,913.77	122.55
23 21 16 00-0343	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,438.72	131.98
23 21 16 00-0344	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,556.34	150.84
23 21 16 00-0345	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,853.23	169.70
23 21 16 00-0346	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,961.24	188.56
23 21 16 00-0347	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,160.24	226.26

23 21 16 00-0348 Diaphragm Type (Residential Style) Steel Expansion Tanks *(23 21 16)*

23 21 16 00-0349	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	100.64	6.95
23 21 16 00-0350	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	148.47	6.95

23 21 16 00-0351 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks *(23 21 16)*

23 21 16 00-0352	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	997.61	226.34
23 21 16 00-0353	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,053.04	226.34
23 21 16 00-0354	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,108.46	226.34
23 21 16 00-0355	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,252.55	226.34
23 21 16 00-0356	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,452.98	301.61
23 21 16 00-0357	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,784.52	301.75
23 21 16 00-0358	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,850.35	301.75
23 21 16 00-0359	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,916.19	301.75
23 21 16 00-0360	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,447.84	377.10
23 21 16 00-0361	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,029.49	377.10
23 21 16 00-0362	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,250.74	452.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0363 ASME Construction Compression Tanks *(23 21 16)*

Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.
See CSI section 22 12 00 00-0000 for other tanks.

23 21 16 00-0364	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,497.26	132.74
		For Galvanized Steel Tanks, Add	*648.07*	
23 21 16 00-0365	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,522.64	136.51
		For Galvanized Steel Tanks, Add	*657.62*	
23 21 16 00-0366	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,681.91	141.03
		For Galvanized Steel Tanks, Add	*733.86*	
23 21 16 00-0367	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,861.73	146.32
		For Galvanized Steel Tanks, Add	*819.62*	
23 21 16 00-0368	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,216.14	154.61
		For Galvanized Steel Tanks, Add	*991.17*	
23 21 16 00-0369	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,301.87	160.65
		For Galvanized Steel Tanks, Add	*1,029.29*	
23 21 16 00-0370	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,914.13	174.98
		For Galvanized Steel Tanks, Add	*1,324.75*	
23 21 16 00-0371	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,181.85	187.79
		For Galvanized Steel Tanks, Add	*1,448.62*	
23 21 16 00-0372	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,017.09	211.94
		For Galvanized Steel Tanks, Add	*1,848.08*	
23 21 16 00-0373	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,171.28	242.85
		For Galvanized Steel Tanks, Add	*2,401.69*	
23 21 16 00-0374	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,252.25	269.25
		For Galvanized Steel Tanks, Add	*2,922.29*	
23 21 16 00-0375	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,840.99	292.63
		For Galvanized Steel Tanks, Add	*3,198.67*	
23 21 16 00-0376	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,770.95	321.29
		For Galvanized Steel Tanks, Add	*4,142.18*	
23 21 16 00-0377	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	9,017.53	343.16
		For Galvanized Steel Tanks, Add	*4,248.70*	
23 21 16 00-0378	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	11,815.29	368.80
		For Galvanized Steel Tanks, Add	*5,628.31*	
23 21 16 00-0379	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	20,158.55	432.91
		For Galvanized Steel Tanks, Add	*9,751.36*	

23 21 16 00-0380 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0381	EA	9" To 24" Diameter Compression Tank Air Fittings	226.44	21.12
23 21 16 00-0382	EA	>100 Gallon Compression Tank Air Fittings	775.62	24.89

23 21 16 00-0383 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0384	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,907.57	160.65
		For 300 PSIG, Add	*249.64*	
23 21 16 00-0385	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,386.77	184.03
		For 300 PSIG, Add	*316.11*	
23 21 16 00-0386	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,794.35	216.46
		For 300 PSIG, Add	*519.96*	
23 21 16 00-0387	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,060.30	229.47
		For 300 PSIG, Add	*556.89*	
23 21 16 00-0388	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,220.06	305.96
		For 300 PSIG, Add	*713.47*	
23 21 16 00-0389	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,627.09	363.98
		For 300 PSIG, Add	*911.41*	
23 21 16 00-0390	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	7,901.99	412.15
		For 300 PSIG, Add	*1,091.63*	
23 21 16 00-0391	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,562.24	494.44
		For 300 PSIG, Add	*1,621.93*	
23 21 16 00-0392	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,203.36	562.01
		For 300 PSIG, Add	*2,602.77*	
23 21 16 00-0393	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	24,617.32	727.28
		For 300 PSIG, Add	*3,527.30*	

23 21 16 00-0394 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0395	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,582.59	160.65
		For 300 PSIG, Add	*200.90*	
23 21 16 00-0396	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,032.25	184.03
		For 300 PSIG, Add	*262.94*	
23 21 16 00-0397	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,705.72	216.46
		For 300 PSIG, Add	*506.67*	
23 21 16 00-0398	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,282.32	229.47
		For 300 PSIG, Add	*440.20*	
23 21 16 00-0399	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,402.69	305.96
		For 300 PSIG, Add	*590.87*	
23 21 16 00-0400	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	5,770.33	363.98
		For 300 PSIG, Add	*782.90*	
23 21 16 00-0401	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	6,739.95	412.15
		For 300 PSIG, Add	*917.32*	
23 21 16 00-0402	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,080.60	494.44
		For 300 PSIG, Add	*1,249.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0403	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	12,895.40	562.01
		For 300 PSIG, Add	*1,806.58*	
23 21 16 00-0404	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,157.48	727.28
		For 300 PSIG, Add	*2,858.32*	

23 21 16 00-0405 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0406	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,596.85	183.57
23 21 16 00-0407	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,127.12	244.62
23 21 16 00-0408	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,516.88	290.91
23 21 16 00-0409	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	7,777.05	329.72
23 21 16 00-0410	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,392.67	395.66
23 21 16 00-0411	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	18,801.17	449.61
23 21 16 00-0412	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	28,834.18	581.89

23 21 16 00-0413 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0414	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,789.33	183.57
23 21 16 00-0415	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,309.75	244.62
23 21 16 00-0416	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,660.12	290.91
23 21 16 00-0417	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,615.01	329.72
23 21 16 00-0418	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	8,930.72	395.66
23 21 16 00-0419	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,414.43	449.61
23 21 16 00-0420	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	22,622.04	581.89

23 21 16 00-0421 Removable Head, Air Eliminator And Dirt Separator *(23 21 16)*

Note: Spirovent VDN.

23 21 16 00-0422	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,490.28	160.65
23 21 16 00-0423	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,772.59	184.03
23 21 16 00-0424	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,056.38	216.46
23 21 16 00-0425	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,725.09	331.85
23 21 16 00-0426	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,411.54	410.28
23 21 16 00-0427	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	10,865.74	464.59
23 21 16 00-0428	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,075.75	104.84
23 21 16 00-0429	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	25,334.47	633.53
23 21 16 00-0430	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	32,744.00	819.83

23 21 16 00-0431 Air Eliminator And Dirt Separator *(23 21 16)*

Note: Spirovent VDT.

23 21 16 00-0432	EA	2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,428.81	160.65
23 21 16 00-0433	EA	2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,783.24	184.03
23 21 16 00-0434	EA	3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,156.65	199.57
23 21 16 00-0435	EA	4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,633.36	305.96
23 21 16 00-0436	EA	5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,346.22	363.98
23 21 16 00-0437	EA	6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,779.30	412.15

23 21 16 00-0438 High Velocity, Air Eliminator And Dirt Separator (Spirotherm) *(23 21 16)*

23 21 16 00-0439	EA	2", 105 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	3,747.19	160.65
23 21 16 00-0440	EA	2-1/2", 155 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	6,932.74	184.03
23 21 16 00-0441	EA	3", 225 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,180.45	199.57
23 21 16 00-0442	EA	4", 405 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	8,029.50	305.96
23 21 16 00-0443	EA	5", 630 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	9,295.85	393.12
23 21 16 00-0444	EA	6", 910 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	10,027.76	445.15
23 21 16 00-0445	EA	8", 1550 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT800FA)	26,898.44	534.03
23 21 16 00-0446	EA	10", 2450 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1000FA)	37,234.33	607.02
23 21 16 00-0447	EA	12", 3500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1200FA)	46,128.02	785.50
23 21 16 00-0448	EA	14", 4300 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1400FA)	51,904.73	953.88
23 21 16 00-0449	EA	14", 4800 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VQT1632.150FA) Note: Custom	61,997.36	953.88
23 21 16 00-0450	EA	16", 5500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1600FA)	63,702.37	1,144.66

23 21 16 00-0451 Swivel Joints *(23 21 16)*

23 21 16 00-0452 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0451)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0453	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	359.45	19.83
23 21 16 00-0454	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	515.85	29.03
23 21 16 00-0455	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	731.69	33.94
23 21 16 00-0456	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,082.22	58.07
23 21 16 00-0457	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,382.13	65.99
		For Stainless Steel, Add	*1,875.23*	
23 21 16 00-0458	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	999.41	100.54
		For Stainless Steel, Add	*1,310.57*	
23 21 16 00-0459	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,356.80	80.21
23 21 16 00-0460	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,684.26	214.95
23 21 16 00-0461	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,231.88	271.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0462		Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0451)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0463	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	464.62	19.83
		For Stainless Steel, Add	*637.40*	
23 21 16 00-0464	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	565.53	29.03
		For Stainless Steel, Add	*761.27*	
23 21 16 00-0465	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	768.54	33.94
		For Stainless Steel, Add	*1,049.97*	
23 21 16 00-0466	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,231.24	58.07
		For Stainless Steel, Add	*1,672.80*	
23 21 16 00-0467	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,625.54	65.99
		For Stainless Steel, Add	*2,240.34*	
23 21 16 00-0468	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,033.09	100.54
		For Stainless Steel, Add	*1,361.09*	
23 21 16 00-0469	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,549.71	80.21
		For Stainless Steel, Add	*2,083.86*	
23 21 16 00-0470	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,906.97	214.95
		For Stainless Steel, Add	*2,456.42*	
23 21 16 00-0471	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,385.67	271.51
		For Stainless Steel, Add	*4,567.59*	
23 21 16 00-0472		Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0451)*		
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0473	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	551.42	19.83
		For Stainless Steel, Add	*767.60*	
23 21 16 00-0474	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	631.76	29.03
		For Stainless Steel, Add	*860.61*	
23 21 16 00-0475	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	935.02	33.94
		For Stainless Steel, Add	*1,299.69*	
23 21 16 00-0476	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,431.59	58.07
		For Stainless Steel, Add	*1,973.33*	
23 21 16 00-0477	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,691.77	65.99
		For Stainless Steel, Add	*2,339.69*	
23 21 16 00-0478	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,198.67	100.54
		For Stainless Steel, Add	*1,609.46*	
23 21 16 00-0479	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,755.03	80.21
		For Stainless Steel, Add	*2,391.84*	
23 21 16 00-0480	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,118.91	214.95
		For Stainless Steel, Add	*2,774.33*	
23 21 16 00-0481	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,841.02	271.51
		For Stainless Steel, Add	*5,250.62*	
23 21 16 00-0482		Basket Strainers *(23 21 16)*		
23 21 16 00-0483		Bronze Body Basket Strainers *(23 21 16 00-0482)*		
23 21 16 00-0484		Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0483)*		
23 21 16 00-0485	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	320.32	15.08
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0486	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	378.70	17.73
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0487	EA	1" Screwed Ends, Bronze Body Basket Strainer	438.57	21.12
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0488	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	549.68	23.38
		For Work In Restricted Working Space, Add	*14.02*	
23 21 16 00-0489	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	650.60	26.40
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0490	EA	2" Screwed Ends, Bronze Body Basket Strainer	980.91	30.16
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0491	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,390.50	40.35
		For Work In Restricted Working Space, Add	*24.27*	
23 21 16 00-0492	EA	3" Screwed Ends, Bronze Body Basket Strainer	1,974.29	42.99
		For Work In Restricted Working Space, Add	*25.74*	
23 21 16 00-0493		Flanged, Bronze Body Basket Strainers *(23 21 16 00-0483)*		
23 21 16 00-0494	EA	2" Flanged, Bronze Body Basket Strainer	1,520.70	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0495	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,319.79	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0496	EA	3" Flanged, Bronze Body Basket Strainer	2,627.82	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0497	EA	4" Flanged, Bronze Body Basket Strainer	4,444.88	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0498	EA	6" Flanged, Bronze Body Basket Strainer	8,558.31	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0499	EA	8" Flanged, Bronze Body Basket Strainer	15,708.39	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0500		Iron Body Basket Strainers *(23 21 16 00-0482)*		
23 21 16 00-0501		Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0500)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0502	EA	1/2" Screwed Ends, Iron Body Basket Strainer	370.69	15.08
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0503	EA	3/4" Screwed Ends, Iron Body Basket Strainer	416.57	17.73
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0504	EA	1" Screwed Ends, Iron Body Basket Strainer	492.08	21.12
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0505	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	650.08	23.38
		For Work In Restricted Working Space, Add	*14.02*	
23 21 16 00-0506	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	712.37	26.40
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0507	EA	2" Screwed Ends, Iron Body Basket Strainer	848.21	30.16
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0508	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,206.34	40.35
		For Work In Restricted Working Space, Add	*24.27*	
23 21 16 00-0509	EA	3" Screwed Ends, Iron Body Basket Strainer	1,367.56	42.99
		For Work In Restricted Working Space, Add	*25.74*	
23 21 16 00-0510		**Flanged, Iron Body Basket Strainers** *(23 21 16 00-0500)*		
23 21 16 00-0511	EA	2" Flanged, Iron Body Basket Strainer	1,625.50	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0512	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,158.60	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0513	EA	3" Flanged, Iron Body Basket Strainer	2,312.35	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0514	EA	4" Flanged, Iron Body Basket Strainer	3,508.05	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0515	EA	6" Flanged, Iron Body Basket Strainer	6,605.66	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0516	EA	8" Flanged, Iron Body Basket Strainer	12,011.19	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0517	EA	10" Flanged, Iron Body Basket Strainer	17,965.99	374.68
		For Work In Restricted Working Space, Add	*140.51*	
23 21 16 00-0518	EA	12" Flanged, Iron Body Basket Strainer	21,702.70	472.36
		For Work In Restricted Working Space, Add	*283.39*	
23 21 16 00-0519	EA	14" Flanged, Iron Body Basket Strainer	26,861.19	535.25
		For Work In Restricted Working Space, Add	*200.72*	
23 21 16 00-0520	EA	16" Flanged, Iron Body Basket Strainer	28,123.58	588.78
		For Work In Restricted Working Space, Add	*220.79*	
23 21 16 00-0521		**Cast Steel Body Basket Strainers** *(23 21 16 00-0482)*		
23 21 16 00-0522		**Screwed Ends, Cast Steel Body Basket Strainers** *(23 21 16 00-0521)*		
23 21 16 00-0523	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	944.34	21.12
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0524	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,251.25	23.38
		For Work In Restricted Working Space, Add	*14.02*	
23 21 16 00-0525	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,410.21	26.40
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0526	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	1,991.47	30.16
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0527	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,795.86	40.35
		For Work In Restricted Working Space, Add	*24.27*	
23 21 16 00-0528	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	3,642.04	42.99
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0529		**Flanged, Cast Steel Body Basket Strainers** *(23 21 16 00-0521)*		
23 21 16 00-0530	EA	2" Flanged, Cast Steel Body Basket Strainer	2,936.26	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0531	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	4,247.82	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0532	EA	3" Flanged, Cast Steel Body Basket Strainer	4,653.55	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0533	EA	4" Flanged, Cast Steel Body Basket Strainer	6,578.79	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0534	EA	6" Flanged, Cast Steel Body Basket Strainer	11,678.25	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0535	EA	8" Flanged, Cast Steel Body Basket Strainer	19,023.81	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0536		**Stainless Steel Body Basket Strainers** *(23 21 16 00-0482)*		
23 21 16 00-0537		**Screwed Ends, Stainless Steel Body Basket Strainers** *(23 21 16 00-0536)*		
23 21 16 00-0538	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	572.89	21.12
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0539	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	832.69	23.38
		For Work In Restricted Working Space, Add	*14.02*	
23 21 16 00-0540	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	857.10	26.40
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0541	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,277.48	30.16
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0542	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,807.93	40.35
		For Work In Restricted Working Space, Add	*24.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0543	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,569.92	42.99
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0544		**Flanged, Stainless Steel Body Basket Strainers** *(23 21 16 00-0536)*		
23 21 16 00-0545	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,936.86	100.54
		For Work In Restricted Working Space, Add	*37.71*	
23 21 16 00-0546	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,957.70	109.36
		For Work In Restricted Working Space, Add	*41.14*	
23 21 16 00-0547	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,346.42	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0548	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,658.14	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0549	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,713.92	240.86
		For Work In Restricted Working Space, Add	*90.65*	
23 21 16 00-0550	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,208.05	307.78
		For Work In Restricted Working Space, Add	*114.70*	
23 21 16 00-0551		**Plastic Basket Strainers** *(23 21 16 00-0482)*		
23 21 16 00-0552		**Screwed Or Socket Ends, Simplex, Plastic Basket Strainers** *(23 21 16 00-0551)*		
23 21 16 00-0553		**Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers** *(23 21 16 00-0552)*		
23 21 16 00-0554	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	320.31	10.56
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0555	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	325.55	12.30
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0556	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	332.28	14.63
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0557	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	551.86	18.48
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0558	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	568.95	21.12
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0559	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,237.91	30.16
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0560	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,638.76	39.60
		For Work In Restricted Working Space, Add	*33.93*	
23 21 16 00-0561		**Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers** *(23 21 16 00-0552)*		
23 21 16 00-0562	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	441.39	10.56
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0563	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	446.63	12.30
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0564	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	453.36	14.63
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0565	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	785.33	18.48
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0566	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	807.33	21.12
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0567	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	351.05	30.16
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0568	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,180.43	39.60
		For Work In Restricted Working Space, Add	*33.93*	
23 21 16 00-0569		**Flanged, Simplex, Plastic Basket Strainers** *(23 21 16 00-0551)*		
23 21 16 00-0570		**Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers** *(23 21 16 00-0569)*		
23 21 16 00-0571	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	464.71	65.99
		For Work In Restricted Working Space, Add	*39.59*	
23 21 16 00-0572	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	745.72	75.42
		For Work In Restricted Working Space, Add	*45.25*	
23 21 16 00-0573	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	781.59	87.87
		For Work In Restricted Working Space, Add	*52.72*	
23 21 16 00-0574	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,543.29	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0575	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,072.83	214.95
		For Work In Restricted Working Space, Add	*80.81*	
23 21 16 00-0576	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	4,187.70	271.51
		For Work In Restricted Working Space, Add	*102.18*	
23 21 16 00-0577	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	5,500.79	346.94
		For Work In Restricted Working Space, Add	*129.29*	
23 21 16 00-0578		**Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers** *(23 21 16 00-0569)*		
23 21 16 00-0579	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	975.19	75.42
		For Work In Restricted Working Space, Add	*45.25*	
23 21 16 00-0580	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,017.27	87.87
		For Work In Restricted Working Space, Add	*52.72*	
23 21 16 00-0581	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,153.24	128.22
		For Work In Restricted Working Space, Add	*48.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0582	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,710.87	214.95
		For Work In Restricted Working Space, Add	*80.81*	

23 21 16 00-0583 Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0551)*

23 21 16 00-0584 Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0583)*

23 21 16 00-0585	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,408.04	10.56
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0586	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,413.28	12.30
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0587	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,420.01	14.63
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0588	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,198.37	18.48
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0589	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,206.04	21.12
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0590	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,931.18	30.16
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0591	EA	4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	6,504.52	39.60
		For Work In Restricted Working Space, Add	*33.93*	

23 21 16 00-0592 Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0583)*

23 21 16 00-0593	EA	1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,915.18	10.56
		For Work In Restricted Working Space, Add	*8.98*	
23 21 16 00-0594	EA	3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,920.42	12.30
		For Work In Restricted Working Space, Add	*10.55*	
23 21 16 00-0595	EA	1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,927.15	14.63
		For Work In Restricted Working Space, Add	*12.57*	
23 21 16 00-0596	EA	1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,993.15	18.48
		For Work In Restricted Working Space, Add	*15.82*	
23 21 16 00-0597	EA	2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,000.82	21.12
		For Work In Restricted Working Space, Add	*18.12*	
23 21 16 00-0598	EA	3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,853.39	30.16
		For Work In Restricted Working Space, Add	*25.75*	
23 21 16 00-0599	EA	4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	8,802.46	39.60
		For Work In Restricted Working Space, Add	*33.93*	

23 21 16 00-0600 Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0551)*

23 21 16 00-0601 Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0600)*

23 21 16 00-0602	EA	1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,466.07	28.28
		For Work In Restricted Working Space, Add	*16.97*	
23 21 16 00-0603	EA	3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,484.92	37.71
		For Work In Restricted Working Space, Add	*22.63*	
23 21 16 00-0604	EA	1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,541.45	65.99
		For Work In Restricted Working Space, Add	*39.59*	
23 21 16 00-0605	EA	1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,378.10	75.42
		For Work In Restricted Working Space, Add	*45.25*	
23 21 16 00-0606	EA	2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,402.98	87.87
		For Work In Restricted Working Space, Add	*52.72*	
23 21 16 00-0607	EA	3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	5,178.48	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0608	EA	4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	6,878.95	214.95
		For Work In Restricted Working Space, Add	*80.81*	

23 21 16 00-0609 Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0600)*

23 21 16 00-0610	EA	1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,981.94	28.28
		For Work In Restricted Working Space, Add	*16.97*	
23 21 16 00-0611	EA	3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,000.78	37.71
		For Work In Restricted Working Space, Add	*22.62*	
23 21 16 00-0612	EA	1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,057.34	65.99
		For Work In Restricted Working Space, Add	*39.59*	
23 21 16 00-0613	EA	1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,197.35	75.42
		For Work In Restricted Working Space, Add	*45.25*	
23 21 16 00-0614	EA	2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,222.23	87.87
		For Work In Restricted Working Space, Add	*52.72*	
23 21 16 00-0615	EA	3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	7,181.05	128.22
		For Work In Restricted Working Space, Add	*48.14*	
23 21 16 00-0616	EA	4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	9,335.76	214.95
		For Work In Restricted Working Space, Add	*80.81*	

23 21 16 00-0617 Plastic Strainer Baskets *(23 21 16 00-0551)*

23 21 16 00-0618 Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0617)*

23 21 16 00-0619	EA	1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket	122.59	
23 21 16 00-0620	EA	1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket	150.37	
23 21 16 00-0621	EA	3" Polyvinyl Chloride (PVC) Strainer Basket	337.46	
23 21 16 00-0622	EA	4" Polyvinyl Chloride (PVC) Strainer Basket	382.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0623		**Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets** *(23 21 16 00-0617)*		
23 21 16 00-0624	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	164.87	
23 21 16 00-0625	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	206.45	
23 21 16 00-0626	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	458.77	
23 21 16 00-0627	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	508.95	
23 21 16 00-0628		**Bag Filter And Mounting Stands** *(23 21 16)*		
23 21 16 00-0629		**Stainless Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0628)*		
23 21 16 00-0630	EA	4" Diameter Flanged, 395 GPM, 3-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	6,298.66	214.95
23 21 16 00-0631	EA	4" Diameter Flanged, 525 GPM, 4-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	7,267.66	214.95
23 21 16 00-0632	EA	6" Diameter Flanged, 785 GPM, 6-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	11,068.84	240.86
23 21 16 00-0633	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	15,369.55	307.78
23 21 16 00-0634	EA	10" Diameter Flanged, 2,115 GPM, 16-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	22,604.67	374.68
23 21 16 00-0635	EA	10" Diameter Flanged, 2,645 GPM, 20-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	26,307.14	374.68
23 21 16 00-0636	EA	4" Diameter Flanged PVC Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged PVC pipe headers with two 2" butterfly valves on each header.	5,091.96	429.07
23 21 16 00-0637	EA	4" Diameter Flanged Stainless Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged 304 stainless steel pipe headers with two 2" butterfly valves on each header.	7,029.97	429.07
23 21 16 00-0638	EA	4" Diameter Flanged Carbon Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	6,060.97	429.07
23 21 16 00-0639	EA	4" Diameter Flanged Carbon Steel Header, Dual 4" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 4" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	24,870.41	529.90
23 21 16 00-0640		**Carbon Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0628)*		
23 21 16 00-0641	EA	4" Diameter Flanged, 395 GPM, 3-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	4,791.32	214.95
23 21 16 00-0642	EA	4" Diameter Flanged, 525 GPM, 4-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	5,975.66	214.95
23 21 16 00-0643	EA	6" Diameter Flanged, 5,785 GPM, 6-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,762.16	240.86
23 21 16 00-0644	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	12,010.34	307.78
23 21 16 00-0645		**Air Vents** *(23 21 16)*		
23 21 16 00-0646		**Screwed Ends, Cast Iron, Automatic Air Vents** *(23 21 16 00-0645)* Note: With guided free floating lever.		
23 21 16 00-0647	EA	1/2" NPT, Cast Iron, Automatic Air Vent	323.72	21.87
23 21 16 00-0648	EA	3/4" NPT, Cast Iron, Automatic Air Vent	393.69	29.03
23 21 16 00-0649	EA	1" NPT, Cast Iron, Automatic Air Vent	948.82	30.16
23 21 16 00-0650	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,404.36	46.61
23 21 16 00-0651	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,380.82	50.16
23 21 16 00-0652	EA	2" NPT, Cast Iron, Automatic Air Vent	2,721.58	66.14
23 21 16 00-0653		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0645)* Note: With guided free floating lever.		
23 21 16 00-0654	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,438.83	25.26
23 21 16 00-0655	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,061.14	29.03
23 21 16 00-0656	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,660.60	30.16
23 21 16 00-0657	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,011.50	46.76
23 21 16 00-0658	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,949.52	50.16
23 21 16 00-0659	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,230.45	65.99
23 21 16 00-0660		**Manual Air Vent** *(23 21 16 00-0645)*		
23 21 16 00-0661	EA	Manual Air Vent	56.53	27.22
23 21 16 00-0662		**Automatic Air Vent** *(23 21 16 00-0645)*		
23 21 16 00-0663	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	225.40	29.03
23 21 16 00-0664	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	248.94	30.16
23 21 16 00-0665	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	347.37	46.61
23 21 16 00-0666	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	439.40	50.16
23 21 16 00-0667	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	574.40	54.04
23 21 16 00-0668		**Air Release Valves** *(23 21 16 00-0645)*		
23 21 16 00-0669		**Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)** *(23 21 16 00-0668)* Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0670	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	227.38	11.31
23 21 16 00-0671	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	230.40	12.82
23 21 16 00-0672	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	236.43	15.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0673		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0668)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0674	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,169.81	27.53
23 21 16 00-0675	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,526.49	64.19
23 21 16 00-0676		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0668)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0677	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	471.13	11.31
23 21 16 00-0678	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	577.68	15.83
23 21 16 00-0679	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	997.56	27.53
23 21 16 00-0680	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,448.49	64.19
23 21 16 00-0681	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	2,256.93	107.75
23 21 16 00-0682	EA	6" Flanged Cast Iron Air Release Valve (APCO 153)	3,469.05	136.24
23 21 16 00-0683		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0668)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0684	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	850.68	15.83
23 21 16 00-0685	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,299.81	27.53
23 21 16 00-0686	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,407.24	64.19
23 21 16 00-0687	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	3,092.18	107.75
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		Cast Iron Construction Straight Centrifugal Circulating Pump *(23 21 23 13)*		
		Note: Includes stainless steel impeller and buna-N elastomer.		
23 21 23 13-0002		1-1/4" x 1" High Head *(23 21 23 13-0001)*		
23 21 23 13-0003	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	754.02	220.91
23 21 23 13-0004	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	778.11	220.91
23 21 23 13-0005	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	838.25	255.29
23 21 23 13-0006	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	878.99	255.29
23 21 23 13-0007		1-1/2" x 1-1/4" High Head *(23 21 23 13-0001)*		
23 21 23 13-0008	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	953.97	267.93
23 21 23 13-0009	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	987.46	267.93
23 21 23 13-0010	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,078.15	294.25
23 21 23 13-0011	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,110.73	294.25
23 21 23 13-0012		Stainless Steel Construction Straight Centrifugal Circulating Pump *(23 21 23 13)*		
		Note: Includes stainless steel impeller and viton elastomer.		
23 21 23 13-0013		1-1/4" x 1" High Head *(23 21 23 13-0012)*		
23 21 23 13-0014	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	974.66	220.91
23 21 23 13-0015	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	991.88	220.91
23 21 23 13-0016	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,061.11	255.29
23 21 23 13-0017	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,101.01	255.29
23 21 23 13-0018		1-1/2" x 1-1/4" High Head *(23 21 23 13-0012)*		
23 21 23 13-0019	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,245.62	267.93
23 21 23 13-0020	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,279.29	267.93
23 21 23 13-0021	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,369.95	294.25
23 21 23 13-0022	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,403.58	294.25
23 21 23 13-0023		Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*		
		Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0024	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,511.68	201.65
		For Mechanical Seal, Add	*472.56*	
		For Cast Steel Case, Add	*1,063.26*	
23 21 23 13-0025	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,064.40	244.07
		For Mechanical Seal, Add	*506.60*	
		For Cast Steel Case, Add	*1,139.84*	
23 21 23 13-0026	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,150.70	289.97
		For Mechanical Seal, Add	*582.52*	
		For Cast Steel Case, Add	*1,310.67*	
23 21 23 13-0027	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,010.68	386.61
		For Mechanical Seal, Add	*628.14*	
		For Cast Steel Case, Add	*1,413.32*	
23 21 23 13-0028	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,370.94	421.38
		For Mechanical Seal, Add	*728.53*	
		For Cast Steel Case, Add	*1,639.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0029	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	15,822.81	463.80
		For Mechanical Seal, Add	*1,154.57*	
		For Cast Steel Case, Add	*2,597.78*	
23 21 23 13-0030	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,526.52	579.23
		For Mechanical Seal, Add	*1,343.05*	
		For Cast Steel Case, Add	*3,021.86*	
23 21 23 13-0031	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	26,048.66	661.98
		For Mechanical Seal, Add	*1,924.95*	
		For Cast Steel Case, Add	*4,331.15*	
23 21 23 13-0032	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	33,417.24	693.82
		For Mechanical Seal, Add	*2,506.86*	
		For Cast Steel Case, Add	*5,640.42*	
23 21 23 13-0033	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	36,230.90	891.87
		For Mechanical Seal, Add	*2,684.37*	
		For Cast Steel Case, Add	*6,039.83*	

23 21 23 13-0034 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.

23 21 23 13-0035	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,293.28	115.77
23 21 23 13-0036	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,226.76	132.32
23 21 23 13-0037	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,583.29	148.18
23 21 23 13-0038	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,807.31	161.12
23 21 23 13-0039	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,366.59	176.41
23 21 23 13-0040	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,514.99	194.98
23 21 23 13-0041	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,427.73	231.55
23 21 23 13-0042	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,607.35	285.03
23 21 23 13-0043	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	11,210.98	308.74
23 21 23 13-0044	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,180.29	326.88
23 21 23 13-0045	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,101.93	347.33
23 21 23 13-0046	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	18,063.18	358.94
23 21 23 13-0047	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,024.42	370.48
23 21 23 13-0048	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,686.27	396.98
23 21 23 13-0049	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	24,423.97	440.85
23 21 23 13-0050	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	26,618.23	636.76
23 21 23 13-0051	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	30,136.27	1,273.53
23 21 23 13-0052	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,483.54	1,528.24

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,262.92	220.43
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,056.97	220.70
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,335.81	289.97
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,151.56	356.71
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	11,448.96	356.71
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,057.05	386.61
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	11,794.67	386.61
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	12,896.04	405.39
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	14,253.90	515.26
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	15,015.58	579.23
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	21,775.04	1,338.78
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	32,309.16	1,606.25
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	36,229.68	2,007.81

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,233.99	162.02
		For 300 Lb. Flanges, Add	*1,735.46*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,379.68	173.84
		For 300 Lb. Flanges, Add	*2,279.73*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,783.27	185.66
		For 300 Lb. Flanges, Add	*2,868.56*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,689.92	220.43
		For 300 Lb. Flanges, Add	*3,323.14*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,388.43	220.70
		For 300 Lb. Flanges, Add	*3,492.81*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,912.13	289.97
		For 300 Lb. Flanges, Add	*3,597.65*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,262.05	289.97
		For 300 Lb. Flanges, Add	*3,685.13*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	16,037.15	289.97
		For 300 Lb. Flanges, Add	*3,878.91*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,563.19	356.71
		For 300 Lb. Flanges, Add	*4,480.33*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,827.51	356.44
		For 300 Lb. Flanges, Add	*4,539.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,858.79	386.61
		For 300 Lb. Flanges, Add	*4,790.86*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	21,809.31	405.39
		For 300 Lb. Flanges, Add	*5,264.60*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	23,960.94	515.26
		For 300 Lb. Flanges, Add	*5,758.45*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	27,194.32	579.23
		For 300 Lb. Flanges, Add	*6,537.82*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	40,680.31	1,338.78
		For 300 Lb. Flanges, Add	*9,524.71*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	48,339.10	1,606.25
		For 300 Lb. Flanges, Add	*11,310.33*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	58,803.62	2,007.81
		For 300 Lb. Flanges, Add	*13,732.85*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,916.16	162.02
		For 300 Lb. Flanges, Add	*1,656.00*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,081.57	173.84
		For 300 Lb. Flanges, Add	*1,692.16*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,247.07	185.66
		For 300 Lb. Flanges, Add	*1,728.33*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,900.92	189.83
		For 300 Lb. Flanges, Add	*1,889.74*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	13,114.55	220.43
		For 300 Lb. Flanges, Add	*3,179.30*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	15,929.77	289.97
		For 300 Lb. Flanges, Add	*3,869.71*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,892.15	312.91
		For 300 Lb. Flanges, Add	*4,342.66*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	18,794.87	347.68
		For 300 Lb. Flanges, Add	*4,538.25*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	21,058.08	347.25
		For 300 Lb. Flanges, Add	*5,108.40*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	23,448.04	446.26
		For 300 Lb. Flanges, Add	*5,661.29*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	29,654.35	535.66
		For 300 Lb. Flanges, Add	*7,155.44*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	37,892.24	669.03
		For 300 Lb. Flanges, Add	*9,150.38*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	47,771.86	803.12
		For 300 Lb. Flanges, Add	*11,555.74*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	56,799.39	892.04
		For 300 Lb. Flanges, Add	*13,769.60*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	64,999.09	1,147.32
		For 300 Lb. Flanges, Add	*15,696.60*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,783.40	356.71
		For 300 Lb. Flanges, Add	*11,285.38*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	49,421.25	386.61
		For 300 Lb. Flanges, Add	*12,181.47*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	65,944.24	522.33
		For 300 Lb. Flanges, Add	*16,246.89*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	76,715.11	717.72
		For 300 Lb. Flanges, Add	*18,849.92*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	106,545.26	956.97
		For 300 Lb. Flanges, Add	*26,197.83*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	5,585.09	208.60
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,115.71	208.60
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	6,823.96	220.19
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,293.35	220.19
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,424.34	231.55
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	9,976.43	278.78
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,141.35	343.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,059.96	371.71
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	16,341.60	401.44

23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,369.78	107.63
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,462.11	114.11
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,719.39	121.51
23 21 23 16-0070	EA	1 HP, Centrifugal Pump, Polypropylene Body	1,103.18	131.98

23 21 23 16-0071 Pumps, Polyvinylidene Fluoride (PVDF) Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0072	EA	1/2 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,061.99	114.11
23 21 23 16-0073	EA	3/4 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,139.34	121.51
23 21 23 16-0074	EA	1 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,246.51	131.98

23 21 23 16-0075 Pump, Stainless Steel Centrifugal Pump *(23 21 23 16)*

23 21 23 16-0076 Pump, 304 Stainless Steel Centrifugal Pump *(23 21 23 16-0075)*

Note: Carbon/ceramic seals with viton elastomer, 3450 RPM.

23 21 23 16-0077	EA	3/4 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	807.50	111.96
23 21 23 16-0078	EA	1 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	896.58	142.55
23 21 23 16-0079	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,017.54	173.84
23 21 23 16-0080	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,161.97	217.30
23 21 23 16-0081	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,023.46	173.84
23 21 23 16-0082	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,159.43	217.30
23 21 23 16-0083	EA	3 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,280.67	257.63
23 21 23 16-0084	EA	3 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	1,834.62	347.68
23 21 23 16-0085	EA	5 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	2,303.82	512.47
23 21 23 16-0086	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	2,892.62	718.93
23 21 23 16-0087	EA	5 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	2,267.45	512.47
23 21 23 16-0088	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	2,810.59	718.93
23 21 23 16-0089	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 2" Discharge, Flanged, 3 Phase	2,823.27	718.93

23 21 23 16-0090 Pump, 316 Stainless Steel Centrifugal Pump With Viton Elastomer *(23 21 23 16-0075)*

23 21 23 16-0091	EA	1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	748.12	86.92
23 21 23 16-0092	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	822.36	111.96
23 21 23 16-0093	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	854.42	111.96
23 21 23 16-0094	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	901.69	142.55
23 21 23 16-0095	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	933.10	142.55
23 21 23 16-0096	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	986.89	173.84
23 21 23 16-0097	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,030.38	173.84
23 21 23 16-0098	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,094.19	217.30
23 21 23 16-0099	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,135.42	217.30

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,603.99	515.26
		For Each Extra Column Assembly <60", Add	*1,119.22*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*513.25*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*377.21*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,898.99	579.23
		For Each Extra Column Assembly <60", Add	*1,303.07*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*604.81*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*445.82*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,975.26	535.66
		For Each Extra Column Assembly <60", Add	*1,556.44*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*720.60*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*530.84*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	22,657.89	618.12
		For Each Extra Column Assembly <60", Add	*1,852.35*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*866.60*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*640.02*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	28,206.76	669.03
		For Each Extra Column Assembly <60", Add	*2,299.57*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,085.25*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*803.18*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	37,341.30	803.12
		For Each Extra Column Assembly <60", Add	*3,038.93*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,442.02*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,068.61*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	44,555.49	1,003.90
		For Each Extra Column Assembly <60", Add	*3,628.98*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,717.68*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,272.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	72,851.20	1,147.32
		For Each Extra Column Assembly <60", Add	*5,901.85*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,840.29*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,111.78*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	96,063.00	1,338.78
		For Each Extra Column Assembly <60", Add	*7,771.09*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,756.47*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,795.84*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	135,348.98	1,606.25
		For Each Extra Column Assembly <60", Add	*10,931.18*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*5,310.70*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,957.21*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	210.51	22.60
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	231.19	22.60
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	374.22	26.07

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	107.98	17.38
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	116.81	17.38
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	203.74	22.60
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	217.46	26.07
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	429.30	29.55

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 High Temperature Safety Relief Valve *(23 22 16)*

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0001)*

Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.

23 22 16 00-0003 Threaded *(23 22 16 00-0002)*

23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	497.04	11.30
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	516.36	13.37
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	564.15	16.96
23 22 16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	700.96	18.84
23 22 16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	899.76	23.17
23 22 16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,419.82	26.38
23 22 16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,534.79	30.33

23 22 16 00-0011 Flanged *(23 22 16 00-0002)*

23 22 16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,636.76	79.12
23 22 16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,213.11	118.93
23 22 16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,671.94	109.61
23 22 16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,654.84	158.32
23 22 16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,075.14	118.06
23 22 16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,122.58	158.32
23 22 16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	11,950.99	224.67
23 22 16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	23,925.39	250.91

23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0001)*

Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.

23 22 16 00-0021	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	545.72	10.36
23 22 16 00-0022	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	557.25	11.30
23 22 16 00-0023	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	654.27	12.44
23 22 16 00-0024	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	723.39	13.37
23 22 16 00-0025	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	838.01	15.07
23 22 16 00-0026	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	837.60	16.96
23 22 16 00-0027	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	945.08	17.89
23 22 16 00-0028	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,031.63	18.84
23 22 16 00-0029	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,445.32	21.10
23 22 16 00-0030	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,579.29	23.17
23 22 16 00-0031	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,887.65	26.38

23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water *(23 22 16 00-0001)*

Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.

23 22 16 00-0033	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	242.69	10.36
23 22 16 00-0034	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	277.87	11.30
23 22 16 00-0035	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	393.25	12.44
23 22 16 00-0036	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	433.79	13.37
23 22 16 00-0037	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	638.52	15.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0038	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	867.62	17.89
23 22 16 00-0039	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,278.49	21.10
23 22 16 00-0040		Steam Temperature Regulator, Iron Body *(23 22 16)*		
23 22 16 00-0041		Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
		Note: Up to 150 PSI.		
23 22 16 00-0042	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,395.79	10.85
23 22 16 00-0043	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,464.21	14.62
23 22 16 00-0044	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,945.05	18.00
23 22 16 00-0045	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,143.84	22.76
23 22 16 00-0046	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,195.71	26.14
23 22 16 00-0047	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,598.01	28.47
23 22 16 00-0048	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,284.75	52.16
23 22 16 00-0049	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,419.53	56.88
23 22 16 00-0050	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,820.28	133.13
23 22 16 00-0051	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,168.68	156.25
23 22 16 00-0052		Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0053	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,076.57	10.85
23 22 16 00-0054	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,146.03	14.62
23 22 16 00-0055	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,237.82	18.00
23 22 16 00-0056	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,677.26	22.76
23 22 16 00-0057	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,865.51	26.14
23 22 16 00-0058	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,255.75	28.47
23 22 16 00-0059	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,977.29	52.16
23 22 16 00-0060	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,555.60	56.88
23 22 16 00-0061	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,324.43	133.13
23 22 16 00-0062	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	16,822.47	156.25
23 22 16 00-0063		Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0064	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,835.62	10.85
23 22 16 00-0065	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,871.96	14.62
23 22 16 00-0066	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,140.24	18.00
23 22 16 00-0067	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,415.25	22.76
23 22 16 00-0068	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,535.31	26.14
23 22 16 00-0069	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,989.74	28.47
23 22 16 00-0070	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,383.73	52.16
23 22 16 00-0071	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,756.90	56.88
23 22 16 00-0072	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,458.84	133.13
23 22 16 00-0073	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	18,952.92	156.25
23 22 16 00-0074		Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0075	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,637.76	10.85
23 22 16 00-0076	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,670.11	14.62
23 22 16 00-0077	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,982.49	18.00
23 22 16 00-0078	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,145.17	22.76
23 22 16 00-0079	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,301.35	26.14
23 22 16 00-0080	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,683.59	28.47
23 22 16 00-0081	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,784.80	52.16
23 22 16 00-0082	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,314.62	56.88
23 22 16 00-0083	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,016.56	133.13
23 22 16 00-0084	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,510.65	156.25
23 22 16 00-0085		Steam Traps *(23 22 16)*		
23 22 16 00-0086		Inverted Bucket Steam Traps *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	316.50	22.63
		For Work In Restricted Working Space, Add	*13.58*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	318.39	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	486.92	25.12
		For Work In Restricted Working Space, Add	*15.08*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	796.29	34.28
		For Work In Restricted Working Space, Add	*20.57*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,197.90	42.23
		For Work In Restricted Working Space, Add	*25.14*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,515.85	62.85
		For Work In Restricted Working Space, Add	*37.71*	
23 22 16 00-0093		Float And Thermostatic Steam Traps *(23 22 16 00-0085)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	335.03	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	449.42	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	551.51	34.28
		For Work In Restricted Working Space, Add	*20.57*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	818.81	41.90
		For Work In Restricted Working Space, Add	*25.14*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,393.71	62.83
		For Work In Restricted Working Space, Add	*37.71*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	435.26	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	473.68	25.12
		For Work In Restricted Working Space, Add	*15.08*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	617.65	34.28
		For Work In Restricted Working Space, Add	*20.57*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	978.89	41.86
		For Work In Restricted Working Space, Add	*25.14*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,541.46	62.85
		For Work In Restricted Working Space, Add	*37.71*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	574.19	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	641.28	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	981.53	34.28
		For Work In Restricted Working Space, Add	*20.57*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,179.37	41.86
		For Work In Restricted Working Space, Add	*25.14*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,958.24	62.85
		For Work In Restricted Working Space, Add	*37.71*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	583.01	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	641.28	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	981.53	34.28
		For Work In Restricted Working Space, Add	*20.57*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,179.37	41.86
		For Work In Restricted Working Space, Add	*25.14*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,958.24	62.85
		For Work In Restricted Working Space, Add	*37.71*	

23 22 16 00-0114 Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	147.56	22.63
		For Work In Restricted Working Space, Add	*13.58*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	265.44	23.57
		For Work In Restricted Working Space, Add	*14.14*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	333.05	25.12
		For Work In Restricted Working Space, Add	*15.08*	

23 22 16 00-0118 Thermodynamic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	363.11	20.36
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	526.00	22.63
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	657.98	23.57
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	890.46	25.12

23 22 16 00-0123 Steam Moisture Separator *(23 22 16 00-0085)*

23 22 16 00-0124	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,065.80	57.32
23 22 16 00-0125	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,729.15	65.61
23 22 16 00-0126	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,082.91	100.54
23 22 16 00-0127	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,189.95	109.36
23 22 16 00-0128	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,606.97	128.22
23 22 16 00-0129	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	5,016.66	214.95
23 22 16 00-0130	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	10,019.45	271.51

23 22 16 00-0131 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

23 22 16 00-0132	EA	1" Steam/Condensate Meter	12,820.23	62.50
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0133	EA	2" Steam/Condensate Meter	14,455.06	73.44
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0134	EA	2-1/2" Steam/Condensate Meter	15,288.80	91.15
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	3" Steam/Condensate Meter	16,137.13	119.80
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	4" Steam/Condensate Meter	18,025.58	186.12
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	6" Steam/Condensate Meter	31,143.50	235.43
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	8" Steam/Condensate Meter	32,081.27	297.24
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	10" Steam/Condensate Meter	33,386.05	364.61
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	12" Steam/Condensate Meter	34,795.42	442.73
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	14" Steam/Condensate Meter	36,879.88	520.86
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	16" Steam/Condensate Meter	38,074.50	572.95
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,830.30	353.93
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,426.19	363.67
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,531.12	388.01
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,816.24	392.18
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,156.42	426.94
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,804.70	426.94
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,865.61	456.15
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,000.55	477.01
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,048.86	497.88

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,123.76	378.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,853.19	388.01
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,954.28	413.74
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,441.70	447.11
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,865.61	456.85
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,997.30	472.84
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,140.28	497.88
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,001.96	529.86
23 22 23 13-0021		40 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,357.76	433.90
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,067.55	468.67
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,638.85	463.11
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,971.12	472.84
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,067.86	493.01
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,048.86	497.88
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,113.25	529.86
23 22 23 13-0029		50 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,725.44	470.06
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,309.08	479.79
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,857.35	483.27
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,130.93	525.69
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,308.12	566.71
23 22 23 13-0035		Duplex Condensate Pumps And Motors *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		20 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,108.98	474.92
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,280.02	521.52
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,620.11	525.69
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,057.01	572.98
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,836.21	572.98
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,920.68	617.47
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,083.09	644.59
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,245.66	676.58
23 22 23 13-0045		30 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,112.47	511.78
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,286.91	559.07
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,753.38	545.15
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,920.68	617.47
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,085.06	640.42
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,983.82	676.58
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,318.67	725.25
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,423.75	603.57
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,915.14	630.69
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,100.77	640.42
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,264.66	672.41
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,246.97	676.58
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,350.09	725.25
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,641.07	603.57
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,000.47	663.37
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,369.09	720.38
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,454.08	780.19

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001 Ball Valves *(23 23 13)*

23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	35.48	7.54
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	36.69	7.54
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	54.80	7.54
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	73.24	8.29
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	106.78	9.42
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	178.37	11.60

23 23 13 00-0009 Shut-Off Valves *(23 23 13)*

23 23 13 00-0010 Packless *(23 23 13 00-0009)*

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	57.43	7.84
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	73.49	8.59
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	158.42	11.77

23 23 13 00-0014 Packed *(23 23 13 00-0009)*

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	286.54	17.12
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	385.72	20.97
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	472.49	23.60
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	684.14	26.93
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,093.93	75.42
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,441.79	94.27
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,061.45	125.73

23 23 13 00-0022 Check Valves *(23 23 13)*

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	69.60	7.55
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	249.20	8.30
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	287.90	9.43
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	389.85	10.03
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	518.74	11.61
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	780.87	13.73
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,091.58	20.14
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,455.18	26.40

23 23 13 00-0031 Solenoid Valves *(23 23 13)*

23 23 13 00-0032 Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	214.91	7.55
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	220.44	7.55
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	270.82	8.30
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	270.82	8.30
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	383.13	9.43
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	623.58	10.03
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,169.99	11.61
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,180.53	13.73

23 23 16 Refrigerant Piping Specialties *(23 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0001		**Soft Refrigeration Copper Tubing** *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	3.43	1.80
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	3.63	1.84
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	3.83	1.89
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	4.20	1.92
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	4.36	1.95
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	5.04	2.05
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	5.73	2.07
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	6.36	2.15
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	8.46	2.52
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	11.06	2.89
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	16.74	3.42
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	20.48	3.82
23 23 16 00-0014		**Type L Drawn, ACR Copper Tubing** *(23 23 16)* Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	4.85	2.11
		For Medical Applications "Oxygen Clean", Add	*0.40*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	5.70	2.11
		For Medical Applications "Oxygen Clean", Add	*0.45*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.25	2.11
		For Medical Applications "Oxygen Clean", Add	*0.47*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	8.99	3.16
		For Medical Applications "Oxygen Clean", Add	*0.69*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.84	3.40
		For Medical Applications "Oxygen Clean", Add	*0.75*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	11.98	3.40
		For Medical Applications "Oxygen Clean", Add	*0.85*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.18	3.93
		For Medical Applications "Oxygen Clean", Add	*1.06*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.62	4.53
		For Medical Applications "Oxygen Clean", Add	*1.27*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	27.09	5.65
		For Medical Applications "Oxygen Clean", Add	*1.78*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	40.57	8.52
		For Medical Applications "Oxygen Clean", Add	*2.67*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	52.94	10.56
		For Medical Applications "Oxygen Clean", Add	*3.44*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	67.33	12.51
		For Medical Applications "Oxygen Clean", Add	*4.31*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	83.65	15.08
		For Medical Applications "Oxygen Clean", Add	*5.31*	
23 23 16 00-0028		**Refrigeration Fittings** *(23 23 16)*		
23 23 16 00-0029		**Brass Flare Fittings** *(23 23 16 00-0028)*		
23 23 16 00-0030		**Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0031	EA	3/8" Brass Flare Union	18.74	8.14
23 23 16 00-0032	EA	1/2" Brass Flare Union	18.74	8.14
23 23 16 00-0033	EA	5/8" Brass Flare Union	20.44	8.14
23 23 16 00-0034		**90 Degree Elbow Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	19.77	8.14
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	19.77	8.14
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	25.45	8.14
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	30.03	13.56
23 23 16 00-0040	EA	1/2" Brass Flare Tee	32.57	13.56
23 23 16 00-0041	EA	5/8" Brass Flare Tee	46.36	13.56
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	14.08	8.14
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	15.78	8.14
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	18.20	8.14
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	16.26	8.14
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	18.56	8.14
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	18.56	8.14
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	15.11	8.14
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	15.78	8.14
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	23.15	8.14
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	14.15	8.14
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	15.68	8.14
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	16.00	8.14
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)*		
		Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	13.69	8.14
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	13.42	8.14
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	13.82	8.14
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	14.18	8.52
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	20.53	11.24
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	20.05	11.54
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	27.00	14.33
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	39.12	19.61
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	47.37	23.00
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	63.26	27.91
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	111.82	42.39
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	149.38	55.74
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	248.90	66.21
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	17.33	8.14
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	17.60	8.14
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	17.33	8.14
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	18.90	8.52
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	27.96	11.24
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	28.29	11.54
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	36.19	14.33
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	44.43	19.61
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	57.94	23.00
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	84.48	27.91
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	148.93	42.39
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	190.88	55.74
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	373.93	66.21
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	21.88	8.14
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	19.48	8.14
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	21.38	8.14
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	21.10	8.52
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	25.28	11.24
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	28.01	11.54
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	38.72	14.33
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	57.41	19.61
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	72.11	23.00
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	140.69	27.91
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	220.08	42.39
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	290.86	55.74
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	654.55	66.21
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	25.19	8.14
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	21.88	8.14
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	20.47	8.14
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	16.15	8.52
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	31.48	11.24
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	23.14	11.54
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	36.16	14.33
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	49.10	19.61
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	58.24	23.00
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	81.39	27.91
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	147.90	42.39
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	201.30	55.74
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	350.11	66.21
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	30.68	13.56
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	31.27	13.56
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	29.11	13.56
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	28.72	17.12
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	45.64	17.12
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	33.50	17.35
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	57.72	23.00
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	73.18	27.91
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	98.01	33.11
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	141.60	44.12
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	296.59	96.32
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	377.20	105.89
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	705.05	117.65
23 23 16 00-0129		ACR Wrought Copper Male Adapter *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	28.47	8.14
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	33.76	8.14
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	24.98	8.14
23 23 16 00-0133		ACR Wrought Copper Female Adapter *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	26.40	8.14
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	23.36	8.14
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	24.51	8.14
23 23 16 00-0137		ACR Wrought Copper Cap *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	10.65	5.43
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	9.69	5.43
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	10.62	5.43
23 23 16 00-0141		ACR Wrought Copper P-Trap *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	80.70	6.96
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	112.14	7.65
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	94.24	7.65
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	131.53	8.34
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	230.41	8.34
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	331.11	9.04
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	619.02	9.74
23 23 16 00-0149		Sight Glass With Moisture And Liquid Indicator, Solder Connection *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	49.63	10.43
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	60.66	12.52
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	73.90	15.30
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	80.18	17.38
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	110.53	22.25
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	125.59	27.12
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	207.31	31.99
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	249.40	43.80
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	304.83	54.24
23 23 16 00-0159		Filter Driers, Solder Connections *(23 23 16)*		
23 23 16 00-0160		Replaceable Core Type Filter Driers, Solder Connections *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	535.66	6.25
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	523.05	7.65
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	664.94	7.65
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	646.54	8.34
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	707.57	9.04
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	772.07	9.74
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	897.21	10.43
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,119.82	10.43
23 23 16 00-0169		Sealed In-Line Filter Driers, Solder Connections *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	64.58	6.25
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	82.44	6.25
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	106.19	6.96
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	125.07	6.96
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	136.27	6.96
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	166.25	6.96
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	186.11	7.65
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	304.93	7.65
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	326.74	7.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	101.78	6.25
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	108.92	6.25
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	127.86	6.96
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	119.42	6.25
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	149.52	6.96
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	169.97	6.96
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	86.06	6.25
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	94.81	6.25
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	115.11	6.25
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	152.88	7.65
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	197.85	7.65
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	234.20	8.34
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	298.35	9.04
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	607.87	9.74
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	666.72	10.43
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	822.87	10.43
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	210.15	6.25
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	293.39	6.96
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	520.63	6.96
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	616.01	7.65
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	650.78	7.65
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	533.86	8.69
		Note: Sporlan SEI.		
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	623.29	9.04
		Note: Sporlan SEI.		
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	713.28	9.39
		Note: Sporlan SEI.		
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	828.54	9.39
		Note: Sporlan SEH.		
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	935.99	9.74
		Note: Sporlan SEH.		
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	55.35	9.04
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	52.91	10.43
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	69.52	13.21
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	73.08	15.99
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	85.13	19.47
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	99.37	22.25
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	140.13	8.34
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	205.38	9.04
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	263.63	9.04
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	373.86	9.74
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	657.59	10.43
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	867.42	10.43
23 23 16 00-0223		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	171.01	31.64
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	230.89	43.46
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	266.59	57.93
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	392.96	69.54
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	554.36	86.92
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	866.34	115.92
23 23 16 00-0230		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	25.77	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	5.39	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	17.54	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush	316.24	
		Note: Up to 10 ton AC system.		
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 23 00-0003	LB	R-134A Refrigerant	14.15	
23 23 23 00-0004	LB	R-404A Refrigerant	14.13	
23 23 23 00-0005	LB	R-407C Refrigerant	12.71	
23 23 23 00-0006	LB	R-408A Refrigerant	28.97	
23 23 23 00-0007	LB	R-410A Refrigerant	12.45	
23 23 23 00-0008	LB	R-500 Refrigerant	48.50	
23 23 23 00-0009	LB	R-507 Refrigerant	7.92	
23 23 23 00-0010	LB	R-32 Refrigerant	16.61	
23 23 23 00-0011	LB	R-452A Refrigerant	18.58	
23 23 23 00-0012	LB	R-453A Refrigerant	21.62	
23 23 23 00-0013	LB	R-454A Refrigerant	29.56	
23 23 23 00-0014	LB	R-454B Refrigerant	23.70	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001 Polyethylene Chemical Storage Tanks *(23 25 13)*

23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	392.96	58.00

23 25 13 00-0003 Gas Chlorinator *(23 25 13)*

23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	877.67	263.73
		For Booster Pump, Add	*312.73*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,002.46	301.40
		For Booster Pump, Add	*357.42*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,458.12	228.31
		For Booster Pump, Add	*450.74*	

23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	741.81	196.78

23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,081.37	296.22
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,423.00	392.18

23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,081.37	296.22
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,423.00	392.18

23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	1,466.08	296.22
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	1,822.47	392.18

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0420 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant Assemblies *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	7.79	1.70
		For Polyvinyl Chloride (PVC) Coated, Add	*0.51*	
		For Up To 200, Add	*3.11*	
		For >200 To 500, Add	*2.04*	
		For >500 To 1,000, Add	*1.27*	
		For >1,000 To 2,000, Add	*0.70*	
		For >2,000 To 5,000, Add	*0.29*	
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.57*	
		For Elevated Installation >40' Above Floor, Add	*1.73*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	8.84	1.70
		For Polyvinyl Chloride (PVC) Coated, Add	*0.56*	
		For Up To 200, Add	*3.50*	
		For >200 To 500, Add	*2.30*	
		For >500 To 1,000, Add	*1.44*	
		For >1,000 To 2,000, Add	*0.79*	
		For >2,000 To 5,000, Add	*0.33*	
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.81*	
		For Elevated Installation >40' Above Floor, Add	*1.99*	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	10.40	1.70
		For Polyvinyl Chloride (PVC) Coated, Add	*0.61*	
		For Up To 200, Add	*4.04*	
		For >200 To 500, Add	*2.64*	
		For >500 To 1,000, Add	*1.67*	
		For >1,000 To 2,000, Add	*0.92*	
		For >2,000 To 5,000, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.20*	
		For Elevated Installation >40' Above Floor, Add	*2.42*	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assemblies *(23 31 13 13-0001)*

Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF

23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	15.06	1.70
		For Work In Restricted Working Space, Add	*3.10*	
		For Up To 200, Add	*5.94*	
		For >200 To 500, Add	*3.89*	
		For >500 To 1,000, Add	*2.44*	
		For >1,000 To 2,000, Add	*1.35*	
		For >2,000 To 5,000, Add	*0.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.41*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	16.88	1.70
		For Work In Restricted Working Space, Add	*3.57*	
		For Up To 200, Add	*6.56*	
		For >200 To 500, Add	*4.29*	
		For >500 To 1,000, Add	*2.71*	
		For >1,000 To 2,000, Add	*1.50*	
		For >2,000 To 5,000, Add	*0.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.57*	
		For Elevated Installation >40' Above Floor, Add	*3.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	19.71	1.70
		For Work In Restricted Working Space, Add	*4.34*	
		For Up To 200, Add	*7.49*	
		For >200 To 500, Add	*4.86*	
		For >500 To 1,000, Add	*3.13*	
		For >1,000 To 2,000, Add	*1.73*	
		For >2,000 To 5,000, Add	*0.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.78*	
23 31 13 13-0010		**Type 304, Stainless Steel Sheet Metal Ductwork Assemblies** *(23 31 13 13-0001)* Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF		
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	12.73	2.26
		For Work In Restricted Working Space, Add	*1.91*	
		For Welded Seams, Add	*3.49*	
		For Up To 200, Add	*5.73*	
		For >200 To 500, Add	*3.89*	
		For >500 To 1,000, Add	*2.23*	
		For >1,000 To 2,000, Add	*1.21*	
		For >2,000 To 5,000, Add	*0.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.91*	
		For Elevated Installation >40' Above Floor, Add	*2.10*	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	14.30	2.26
		For Work In Restricted Working Space, Add	*2.30*	
		For Welded Seams, Add	*4.16*	
		For Up To 200, Add	*6.28*	
		For >200 To 500, Add	*4.23*	
		For >500 To 1,000, Add	*2.47*	
		For >1,000 To 2,000, Add	*1.34*	
		For >2,000 To 5,000, Add	*0.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	15.78	2.26
		For Work In Restricted Working Space, Add	*2.67*	
		For Welded Seams, Add	*4.79*	
		For Up To 200, Add	*6.80*	
		For >200 To 500, Add	*4.56*	
		For >500 To 1,000, Add	*2.69*	
		For >1,000 To 2,000, Add	*1.47*	
		For >2,000 To 5,000, Add	*0.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.67*	
		For Elevated Installation >40' Above Floor, Add	*2.93*	
23 31 13 13-0014		**Galvanized Steel Sheet Metal Ductwork By LF Assemblies** *(23 31 13 13-0001)* Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015		**30 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	8.03	3.49
		For Work In Restricted Working Space, Add	*1.75*	
		For Seal Class B, Add	*0.87*	
		For Seal Class A, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	10.04	4.37
		For Work In Restricted Working Space, Add	*2.19*	
		For Seal Class B, Add	*1.09*	
		For Seal Class A, Add	*2.33*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	12.06	5.24
		For Work In Restricted Working Space, Add	*2.62*	
		For Seal Class B, Add	*1.31*	
		For Seal Class A, Add	*2.80*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	14.05	6.12
		For Work In Restricted Working Space, Add	*3.06*	
		For Seal Class B, Add	*1.53*	
		For Seal Class A, Add	*3.26*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.06	6.99
		For Work In Restricted Working Space, Add	*3.49*	
		For Seal Class B, Add	*1.75*	
		For Seal Class A, Add	*3.72*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	18.06	7.86
		For Work In Restricted Working Space, Add	*3.93*	
		For Seal Class B, Add	*1.97*	
		For Seal Class A, Add	*4.19*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.06	8.74
		For Work In Restricted Working Space, Add	*4.37*	
		For Seal Class B, Add	*2.18*	
		For Seal Class A, Add	*4.66*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	12.06	5.24
		For Work In Restricted Working Space, Add	*2.62*	
		For Seal Class B, Add	*1.31*	
		For Seal Class A, Add	*2.80*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	14.05	6.12
		For Work In Restricted Working Space, Add	*3.06*	
		For Seal Class B, Add	*1.53*	
		For Seal Class A, Add	*3.26*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.06	6.99
		For Work In Restricted Working Space, Add	*3.49*	
		For Seal Class B, Add	*1.75*	
		For Seal Class A, Add	*3.72*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	18.06	7.86
		For Work In Restricted Working Space, Add	*3.93*	
		For Seal Class B, Add	*1.97*	
		For Seal Class A, Add	*4.19*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.06	8.74
		For Work In Restricted Working Space, Add	*4.37*	
		For Seal Class B, Add	*2.18*	
		For Seal Class A, Add	*4.66*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.08	9.61
		For Work In Restricted Working Space, Add	*4.80*	
		For Seal Class B, Add	*2.40*	
		For Seal Class A, Add	*5.12*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.06	6.99
		For Work In Restricted Working Space, Add	*3.49*	
		For Seal Class B, Add	*1.75*	
		For Seal Class A, Add	*3.72*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	18.06	7.86
		For Work In Restricted Working Space, Add	*3.93*	
		For Seal Class B, Add	*1.97*	
		For Seal Class A, Add	*4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.06	8.74
		For Work In Restricted Working Space, Add	*4.37*	
		For Seal Class B, Add	*2.18*	
		For Seal Class A, Add	*4.66*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.08	9.61
		For Work In Restricted Working Space, Add	*4.80*	
		For Seal Class B, Add	*2.40*	
		For Seal Class A, Add	*5.12*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.08	10.48
		For Work In Restricted Working Space, Add	*5.24*	
		For Seal Class B, Add	*2.62*	
		For Seal Class A, Add	*5.59*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.10	11.36
		For Work In Restricted Working Space, Add	*5.68*	
		For Seal Class B, Add	*2.84*	
		For Seal Class A, Add	*6.06*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.09	12.23
		For Work In Restricted Working Space, Add	*6.11*	
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*6.52*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.12	13.10
		For Work In Restricted Working Space, Add	*6.55*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.11	13.98
		For Work In Restricted Working Space, Add	*6.99*	
		For Seal Class B, Add	*3.49*	
		For Seal Class A, Add	*7.45*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.06	8.74
		For Work In Restricted Working Space, Add	*4.37*	
		For Seal Class B, Add	*2.18*	
		For Seal Class A, Add	*4.66*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.08	9.61
		For Work In Restricted Working Space, Add	*4.80*	
		For Seal Class B, Add	*2.40*	
		For Seal Class A, Add	*5.12*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.08	10.48
		For Work In Restricted Working Space, Add	*5.24*	
		For Seal Class B, Add	*2.62*	
		For Seal Class A, Add	*5.59*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.10	11.36
		For Work In Restricted Working Space, Add	*5.68*	
		For Seal Class B, Add	*2.84*	
		For Seal Class A, Add	*6.06*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.09	12.23
		For Work In Restricted Working Space, Add	*6.11*	
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*6.52*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.12	13.10
		For Work In Restricted Working Space, Add	*6.55*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.11	13.98
		For Work In Restricted Working Space, Add	*6.99*	
		For Seal Class B, Add	*3.49*	
		For Seal Class A, Add	*7.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	34.13	14.85
		For Work In Restricted Working Space, Add	*7.43*	
		For Seal Class B, Add	*3.71*	
		For Seal Class A, Add	*7.92*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.08	10.48
		For Work In Restricted Working Space, Add	*5.24*	
		For Seal Class B, Add	*2.62*	
		For Seal Class A, Add	*5.59*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.10	11.36
		For Work In Restricted Working Space, Add	*5.68*	
		For Seal Class B, Add	*2.84*	
		For Seal Class A, Add	*6.06*	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.09	12.23
		For Work In Restricted Working Space, Add	*6.11*	
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*6.52*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.12	13.10
		For Work In Restricted Working Space, Add	*6.55*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.11	13.98
		For Work In Restricted Working Space, Add	*6.99*	
		For Seal Class B, Add	*3.49*	
		For Seal Class A, Add	*7.45*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	34.13	14.85
		For Work In Restricted Working Space, Add	*7.43*	
		For Seal Class B, Add	*3.71*	
		For Seal Class A, Add	*7.92*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.13	15.72
		For Work In Restricted Working Space, Add	*7.86*	
		For Seal Class B, Add	*3.93*	
		For Seal Class A, Add	*8.39*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.09	12.23
		For Work In Restricted Working Space, Add	*6.11*	
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*6.52*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.12	13.10
		For Work In Restricted Working Space, Add	*6.55*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.11	13.98
		For Work In Restricted Working Space, Add	*6.99*	
		For Seal Class B, Add	*3.49*	
		For Seal Class A, Add	*7.45*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	34.13	14.85
		For Work In Restricted Working Space, Add	*7.43*	
		For Seal Class B, Add	*3.71*	
		For Seal Class A, Add	*7.92*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.13	15.72
		For Work In Restricted Working Space, Add	*7.86*	
		For Seal Class B, Add	*3.93*	
		For Seal Class A, Add	*8.39*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.15	16.60
		For Work In Restricted Working Space, Add	*8.30*	
		For Seal Class B, Add	*4.15*	
		For Seal Class A, Add	*8.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	32.11	13.98
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.99*	
		For Seal Class B, Add	*3.49*	
		For Seal Class A, Add	*7.45*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	34.13	14.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.43*	
		For Seal Class B, Add	*3.71*	
		For Seal Class A, Add	*7.92*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	36.13	15.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.86*	
		For Seal Class B, Add	*3.93*	
		For Seal Class A, Add	*8.39*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.15	16.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.30*	
		For Seal Class B, Add	*4.15*	
		For Seal Class A, Add	*8.85*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.15	17.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.74*	
		For Seal Class B, Add	*4.37*	
		For Seal Class A, Add	*9.32*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	36.13	15.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.86*	
		For Seal Class B, Add	*3.93*	
		For Seal Class A, Add	*8.39*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.15	16.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.30*	
		For Seal Class B, Add	*4.15*	
		For Seal Class A, Add	*8.85*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.15	17.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.74*	
		For Seal Class B, Add	*4.37*	
		For Seal Class A, Add	*9.32*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	42.14	18.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.17*	
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.78*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.15	17.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.74*	
		For Seal Class B, Add	*4.37*	
		For Seal Class A, Add	*9.32*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	42.14	18.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.17*	
		For Seal Class B, Add	*4.59*	
		For Seal Class A, Add	*9.78*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.16	19.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.61*	
		For Seal Class B, Add	*4.80*	
		For Seal Class A, Add	*10.25*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.16	19.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.61*	
		For Seal Class B, Add	*4.80*	
		For Seal Class A, Add	*10.25*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	46.15	20.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.04*	
		For Seal Class B, Add	*5.02*	
		For Seal Class A, Add	*10.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	48.18	20.97
		For Work In Restricted Working Space, Add	*10.48*	
		For Seal Class B, Add	*5.24*	
		For Seal Class A, Add	*11.18*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	9.56	4.16
		For Work In Restricted Working Space, Add	*2.08*	
		For Seal Class B, Add	*1.04*	
		For Seal Class A, Add	*2.22*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	11.96	5.20
		For Work In Restricted Working Space, Add	*2.60*	
		For Seal Class B, Add	*1.30*	
		For Seal Class A, Add	*2.77*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	14.34	6.24
		For Work In Restricted Working Space, Add	*3.12*	
		For Seal Class B, Add	*1.56*	
		For Seal Class A, Add	*3.33*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.72	7.29
		For Work In Restricted Working Space, Add	*3.64*	
		For Seal Class B, Add	*1.82*	
		For Seal Class A, Add	*3.88*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	19.12	8.32
		For Work In Restricted Working Space, Add	*4.16*	
		For Seal Class B, Add	*2.08*	
		For Seal Class A, Add	*4.44*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	21.50	9.36
		For Work In Restricted Working Space, Add	*4.68*	
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*4.99*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	23.88	10.40
		For Work In Restricted Working Space, Add	*5.20*	
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.55*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	14.34	6.24
		For Work In Restricted Working Space, Add	*3.12*	
		For Seal Class B, Add	*1.56*	
		For Seal Class A, Add	*3.33*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.72	7.29
		For Work In Restricted Working Space, Add	*3.64*	
		For Seal Class B, Add	*1.82*	
		For Seal Class A, Add	*3.88*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	19.12	8.32
		For Work In Restricted Working Space, Add	*4.16*	
		For Seal Class B, Add	*2.08*	
		For Seal Class A, Add	*4.44*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	21.50	9.36
		For Work In Restricted Working Space, Add	*4.68*	
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*4.99*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	23.88	10.40
		For Work In Restricted Working Space, Add	*5.20*	
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.55*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.29	11.44
		For Work In Restricted Working Space, Add	*5.72*	
		For Seal Class B, Add	*2.86*	
		For Seal Class A, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	19.12	8.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*4.16*	
		For Seal Class B, Add	*2.08*	
		For Seal Class A, Add	*4.44*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	21.50	9.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*4.68*	
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*4.99*	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	23.88	10.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.20*	
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.55*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	26.29	11.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.72*	
		For Seal Class B, Add	*2.86*	
		For Seal Class A, Add	*6.10*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	28.67	12.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.24*	
		For Seal Class B, Add	*3.12*	
		For Seal Class A, Add	*6.66*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	31.05	13.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.76*	
		For Seal Class B, Add	*3.38*	
		For Seal Class A, Add	*7.21*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.46	14.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.28*	
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.84	15.59
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.80*	
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.25	16.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.32*	
		For Seal Class B, Add	*4.16*	
		For Seal Class A, Add	*8.87*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	23.88	10.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.20*	
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.55*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	26.29	11.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.72*	
		For Seal Class B, Add	*2.86*	
		For Seal Class A, Add	*6.10*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	28.67	12.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.24*	
		For Seal Class B, Add	*3.12*	
		For Seal Class A, Add	*6.66*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	31.05	13.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.76*	
		For Seal Class B, Add	*3.38*	
		For Seal Class A, Add	*7.21*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.46	14.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.28*	
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.84	15.59
		For Work In Restricted Working Space, Add	*7.80*	
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.25	16.64
		For Work In Restricted Working Space, Add	*8.32*	
		For Seal Class B, Add	*4.16*	
		For Seal Class A, Add	*8.87*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.63	17.68
		For Work In Restricted Working Space, Add	*8.84*	
		For Seal Class B, Add	*4.42*	
		For Seal Class A, Add	*9.43*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.67	12.47
		For Work In Restricted Working Space, Add	*6.24*	
		For Seal Class B, Add	*3.12*	
		For Seal Class A, Add	*6.66*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.05	13.52
		For Work In Restricted Working Space, Add	*6.76*	
		For Seal Class B, Add	*3.38*	
		For Seal Class A, Add	*7.21*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	33.46	14.56
		For Work In Restricted Working Space, Add	*7.28*	
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.84	15.59
		For Work In Restricted Working Space, Add	*7.80*	
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.25	16.64
		For Work In Restricted Working Space, Add	*8.32*	
		For Seal Class B, Add	*4.16*	
		For Seal Class A, Add	*8.87*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.63	17.68
		For Work In Restricted Working Space, Add	*8.84*	
		For Seal Class B, Add	*4.42*	
		For Seal Class A, Add	*9.43*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	43.01	18.71
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	33.46	14.56
		For Work In Restricted Working Space, Add	*7.28*	
		For Seal Class B, Add	*3.64*	
		For Seal Class A, Add	*7.76*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.84	15.59
		For Work In Restricted Working Space, Add	*7.80*	
		For Seal Class B, Add	*3.90*	
		For Seal Class A, Add	*8.32*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.25	16.64
		For Work In Restricted Working Space, Add	*8.32*	
		For Seal Class B, Add	*4.16*	
		For Seal Class A, Add	*8.87*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.63	17.68
		For Work In Restricted Working Space, Add	*8.84*	
		For Seal Class B, Add	*4.42*	
		For Seal Class A, Add	*9.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.01	18.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.42	19.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.88*	
		For Seal Class B, Add	*4.94*	
		For Seal Class A, Add	*10.54*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.25	16.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.32*	
		For Seal Class B, Add	*4.16*	
		For Seal Class A, Add	*8.87*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	40.63	17.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.84*	
		For Seal Class B, Add	*4.42*	
		For Seal Class A, Add	*9.43*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.01	18.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.42	19.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.88*	
		For Seal Class B, Add	*4.94*	
		For Seal Class A, Add	*10.54*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.80	20.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.40*	
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.01	18.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.98*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.42	19.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.88*	
		For Seal Class B, Add	*4.94*	
		For Seal Class A, Add	*10.54*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.80	20.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.40*	
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	50.18	21.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.92*	
		For Seal Class B, Add	*5.46*	
		For Seal Class A, Add	*11.65*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.80	20.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.40*	
		For Seal Class B, Add	*5.20*	
		For Seal Class A, Add	*11.09*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	50.18	21.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.92*	
		For Seal Class B, Add	*5.46*	
		For Seal Class A, Add	*11.65*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.58	22.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*11.44*	
		For Seal Class B, Add	*5.72*	
		For Seal Class A, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.58	22.88
		For Work In Restricted Working Space, Add	*11.44*	
		For Seal Class B, Add	*5.72*	
		For Seal Class A, Add	*12.20*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	54.97	23.92
		For Work In Restricted Working Space, Add	*11.96*	
		For Seal Class B, Add	*5.98*	
		For Seal Class A, Add	*12.76*	
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.34	24.96
		For Work In Restricted Working Space, Add	*12.48*	
		For Seal Class B, Add	*6.24*	
		For Seal Class A, Add	*13.31*	
23 31 13 13-0133		**26 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	11.09	4.82
		For Work In Restricted Working Space, Add	*2.41*	
		For Seal Class B, Add	*1.21*	
		For Seal Class A, Add	*2.57*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	13.87	6.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Seal Class B, Add	*1.51*	
		For Seal Class A, Add	*3.22*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.63	7.24
		For Work In Restricted Working Space, Add	*3.62*	
		For Seal Class B, Add	*1.81*	
		For Seal Class A, Add	*3.86*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	19.40	8.44
		For Work In Restricted Working Space, Add	*4.22*	
		For Seal Class B, Add	*2.11*	
		For Seal Class A, Add	*4.50*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.18	9.65
		For Work In Restricted Working Space, Add	*4.83*	
		For Seal Class B, Add	*2.41*	
		For Seal Class A, Add	*5.15*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.94	10.86
		For Work In Restricted Working Space, Add	*5.43*	
		For Seal Class B, Add	*2.71*	
		For Seal Class A, Add	*5.79*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	27.71	12.06
		For Work In Restricted Working Space, Add	*6.03*	
		For Seal Class B, Add	*3.02*	
		For Seal Class A, Add	*6.44*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.63	7.24
		For Work In Restricted Working Space, Add	*3.62*	
		For Seal Class B, Add	*1.81*	
		For Seal Class A, Add	*3.86*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	19.40	8.44
		For Work In Restricted Working Space, Add	*4.22*	
		For Seal Class B, Add	*2.11*	
		For Seal Class A, Add	*4.50*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	22.18	9.65
		For Work In Restricted Working Space, Add	*4.83*	
		For Seal Class B, Add	*2.41*	
		For Seal Class A, Add	*5.15*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.94	10.86
		For Work In Restricted Working Space, Add	*5.43*	
		For Seal Class B, Add	*2.71*	
		For Seal Class A, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	27.71	12.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.03*	
		For Seal Class B, Add	*3.02*	
		For Seal Class A, Add	*6.44*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.51	13.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.64*	
		For Seal Class B, Add	*3.32*	
		For Seal Class A, Add	*7.08*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	22.18	9.65
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*4.83*	
		For Seal Class B, Add	*2.41*	
		For Seal Class A, Add	*5.15*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	24.94	10.86
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.43*	
		For Seal Class B, Add	*2.71*	
		For Seal Class A, Add	*5.79*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	27.73	12.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.03*	
		For Seal Class B, Add	*3.02*	
		For Seal Class A, Add	*6.44*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.51	13.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.64*	
		For Seal Class B, Add	*3.32*	
		For Seal Class A, Add	*7.08*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.27	14.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.24*	
		For Seal Class B, Add	*3.62*	
		For Seal Class A, Add	*7.72*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	36.03	15.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.84*	
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*8.36*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.80	16.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.45*	
		For Seal Class B, Add	*4.22*	
		For Seal Class A, Add	*9.01*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.58	18.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.05*	
		For Seal Class B, Add	*4.52*	
		For Seal Class A, Add	*9.65*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.36	19.30
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.65*	
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*10.29*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	27.73	12.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.03*	
		For Seal Class B, Add	*3.02*	
		For Seal Class A, Add	*6.44*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.50	13.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.64*	
		For Seal Class B, Add	*3.32*	
		For Seal Class A, Add	*7.08*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.27	14.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.24*	
		For Seal Class B, Add	*3.62*	
		For Seal Class A, Add	*7.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.03	15.69
		For Work In Restricted Working Space, Add	*7.84*	
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*8.36*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.80	16.88
		For Work In Restricted Working Space, Add	*8.45*	
		For Seal Class B, Add	*4.22*	
		For Seal Class A, Add	*9.01*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.58	18.09
		For Work In Restricted Working Space, Add	*9.05*	
		For Seal Class B, Add	*4.52*	
		For Seal Class A, Add	*9.65*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.36	19.30
		For Work In Restricted Working Space, Add	*9.65*	
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*10.29*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.13	20.52
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*10.94*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	33.27	14.48
		For Work In Restricted Working Space, Add	*7.24*	
		For Seal Class B, Add	*3.62*	
		For Seal Class A, Add	*7.72*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.03	15.69
		For Work In Restricted Working Space, Add	*7.84*	
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*8.36*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.80	16.88
		For Work In Restricted Working Space, Add	*8.45*	
		For Seal Class B, Add	*4.22*	
		For Seal Class A, Add	*9.01*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.58	18.09
		For Work In Restricted Working Space, Add	*9.05*	
		For Seal Class B, Add	*4.52*	
		For Seal Class A, Add	*9.65*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.36	19.30
		For Work In Restricted Working Space, Add	*9.65*	
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*10.29*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.13	20.52
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*10.94*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.89	21.71
		For Work In Restricted Working Space, Add	*10.86*	
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.80	16.88
		For Work In Restricted Working Space, Add	*8.45*	
		For Seal Class B, Add	*4.22*	
		For Seal Class A, Add	*9.01*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.58	18.09
		For Work In Restricted Working Space, Add	*9.05*	
		For Seal Class B, Add	*4.52*	
		For Seal Class A, Add	*9.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.36	19.30
		For Work In Restricted Working Space, Add	*9.65*	
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*10.29*	
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.13	20.52
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*10.94*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.89	21.71
		For Work In Restricted Working Space, Add	*10.86*	
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.69	22.92
		For Work In Restricted Working Space, Add	*11.46*	
		For Seal Class B, Add	*5.73*	
		For Seal Class A, Add	*12.23*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	44.36	19.30
		For Work In Restricted Working Space, Add	*9.65*	
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*10.29*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.13	20.52
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*10.94*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.89	21.71
		For Work In Restricted Working Space, Add	*10.86*	
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.69	22.92
		For Work In Restricted Working Space, Add	*11.46*	
		For Seal Class B, Add	*5.73*	
		For Seal Class A, Add	*12.23*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.45	24.13
		For Work In Restricted Working Space, Add	*12.06*	
		For Seal Class B, Add	*6.03*	
		For Seal Class A, Add	*12.87*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.89	21.71
		For Work In Restricted Working Space, Add	*10.86*	
		For Seal Class B, Add	*5.43*	
		For Seal Class A, Add	*11.58*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.69	22.92
		For Work In Restricted Working Space, Add	*11.46*	
		For Seal Class B, Add	*5.73*	
		For Seal Class A, Add	*12.23*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.45	24.13
		For Work In Restricted Working Space, Add	*12.06*	
		For Seal Class B, Add	*6.03*	
		For Seal Class A, Add	*12.87*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.21	25.34
		For Work In Restricted Working Space, Add	*12.67*	
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.51*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.45	24.13
		For Work In Restricted Working Space, Add	*12.06*	
		For Seal Class B, Add	*6.03*	
		For Seal Class A, Add	*12.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.21	25.34
		For Work In Restricted Working Space, Add	*12.67*	
		For Seal Class B, Add	*6.33*	
		For Seal Class A, Add	*13.51*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.98	26.54
		For Work In Restricted Working Space, Add	*13.27*	
		For Seal Class B, Add	*6.63*	
		For Seal Class A, Add	*14.15*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.98	26.54
		For Work In Restricted Working Space, Add	*13.27*	
		For Seal Class B, Add	*6.63*	
		For Seal Class A, Add	*14.15*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.77	27.75
		For Work In Restricted Working Space, Add	*13.87*	
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.80*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.54	28.95
		For Work In Restricted Working Space, Add	*14.48*	
		For Seal Class B, Add	*7.24*	
		For Seal Class A, Add	*15.44*	

23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.37	7.49
		For Work In Restricted Working Space, Add	*3.74*	
		For Seal Class B, Add	*1.87*	
		For Seal Class A, Add	*3.99*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.46	9.36
		For Work In Restricted Working Space, Add	*4.68*	
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*4.99*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.56	11.24
		For Work In Restricted Working Space, Add	*5.62*	
		For Seal Class B, Add	*2.81*	
		For Seal Class A, Add	*5.99*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.65	13.11
		For Work In Restricted Working Space, Add	*6.56*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.73	14.98
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.83	16.85
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.93	18.73
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.56	11.24
		For Work In Restricted Working Space, Add	*5.62*	
		For Seal Class B, Add	*2.81*	
		For Seal Class A, Add	*5.99*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.65	13.11
		For Work In Restricted Working Space, Add	*6.56*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.73	14.98
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.83	16.85
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.93	18.73
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.02	20.60
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.73	14.98
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.83	16.85
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.93	18.73
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.02	20.60
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.10	22.46
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	53.19	24.34
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.28	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	61.37	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.47	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.93	18.73
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.02	20.60
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.10	22.46
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	53.19	24.34
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.28	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	61.37	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.47	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.56	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.66	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.75	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.10	22.46
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	53.19	24.34
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.28	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	61.37	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.47	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.56	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.66	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.75	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.93	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.28	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	61.37	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.47	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.56	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.66	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.75	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.93	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.02	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.47	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.56	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.66	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.75	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.93	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.02	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.11	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.66	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.75	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.93	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.02	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.11	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.21	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.84	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.93	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.02	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.11	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.21	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.30	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.02	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.11	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.21	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.30	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.38	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.21	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.30	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.38	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	110.48	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.38	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	110.48	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	114.57	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	114.57	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.66	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	122.76	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0281		**22 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	17.21	7.49
		For Work In Restricted Working Space, Add	*3.74*	
		For Seal Class B, Add	*1.87*	
		For Seal Class A, Add	*3.99*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	21.51	9.36
		For Work In Restricted Working Space, Add	*4.68*	
		For Seal Class B, Add	*2.34*	
		For Seal Class A, Add	*4.99*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	25.82	11.24
		For Work In Restricted Working Space, Add	*5.62*	
		For Seal Class B, Add	*2.81*	
		For Seal Class A, Add	*5.99*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.12	13.11
		For Work In Restricted Working Space, Add	*6.56*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	34.41	14.98
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.72	16.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.03	18.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	25.82	11.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*5.62*	
		For Seal Class B, Add	*2.81*	
		For Seal Class A, Add	*5.99*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	30.12	13.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*6.56*	
		For Seal Class B, Add	*3.28*	
		For Seal Class A, Add	*6.99*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	34.41	14.98
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.72	16.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.03	18.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.33	20.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	34.41	14.98
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*7.99*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.72	16.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*8.42*	
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.99*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.03	18.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	47.33	20.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	51.62	22.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	55.92	24.34
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.23	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.53	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	68.83	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	43.03	18.73
		For Work In Restricted Working Space, Add	*9.36*	
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*9.99*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	47.33	20.60
		For Work In Restricted Working Space, Add	*10.30*	
		For Seal Class B, Add	*5.15*	
		For Seal Class A, Add	*10.99*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	51.62	22.46
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.92	24.34
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.23	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.53	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	68.83	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.13	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.44	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.74	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	51.62	22.46
		For Work In Restricted Working Space, Add	*11.23*	
		For Seal Class B, Add	*5.62*	
		For Seal Class A, Add	*11.98*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.92	24.34
		For Work In Restricted Working Space, Add	*12.17*	
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.98*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.23	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.53	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	68.83	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.13	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.44	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.74	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.23	26.22
		For Work In Restricted Working Space, Add	*13.10*	
		For Seal Class B, Add	*6.55*	
		For Seal Class A, Add	*13.98*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	64.53	28.08
		For Work In Restricted Working Space, Add	*14.04*	
		For Seal Class B, Add	*7.02*	
		For Seal Class A, Add	*14.98*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	68.83	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.13	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.44	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.74	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	68.83	29.95
		For Work In Restricted Working Space, Add	*14.98*	
		For Seal Class B, Add	*7.49*	
		For Seal Class A, Add	*15.97*	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.13	31.83
		For Work In Restricted Working Space, Add	*15.91*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*16.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.44	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.74	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.44	33.70
		For Work In Restricted Working Space, Add	*16.85*	
		For Seal Class B, Add	*8.43*	
		For Seal Class A, Add	*17.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.74	35.57
		For Work In Restricted Working Space, Add	*17.79*	
		For Seal Class B, Add	*8.89*	
		For Seal Class A, Add	*18.97*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.05	37.44
		For Work In Restricted Working Space, Add	*18.72*	
		For Seal Class B, Add	*9.36*	
		For Seal Class A, Add	*19.97*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.35	39.32
		For Work In Restricted Working Space, Add	*19.66*	
		For Seal Class B, Add	*9.83*	
		For Seal Class A, Add	*20.97*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	94.64	41.19
		For Work In Restricted Working Space, Add	*20.59*	
		For Seal Class B, Add	*10.30*	
		For Seal Class A, Add	*21.96*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.94	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.76*	
		For Seal Class A, Add	*22.96*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.25	44.93
		For Work In Restricted Working Space, Add	*22.47*	
		For Seal Class B, Add	*11.23*	
		For Seal Class A, Add	*23.96*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	107.55	46.80
		For Work In Restricted Working Space, Add	*23.40*	
		For Seal Class B, Add	*11.70*	
		For Seal Class A, Add	*24.96*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	154.87	67.40
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.85	48.68
		For Work In Restricted Working Space, Add	*24.34*	
		For Seal Class B, Add	*12.17*	
		For Seal Class A, Add	*25.96*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.15	50.55
		For Work In Restricted Working Space, Add	*25.27*	
		For Seal Class B, Add	*12.64*	
		For Seal Class A, Add	*26.96*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	154.87	67.40
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	159.18	69.27
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.45	52.42
		For Work In Restricted Working Space, Add	*26.21*	
		For Seal Class B, Add	*13.10*	
		For Seal Class A, Add	*27.96*	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.75	54.29
		For Work In Restricted Working Space, Add	*27.14*	
		For Seal Class B, Add	*13.57*	
		For Seal Class A, Add	*28.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	154.87	67.40
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	159.18	69.27
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	163.48	71.14
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	129.06	56.17
		For Work In Restricted Working Space, Add	*28.08*	
		For Seal Class B, Add	*14.04*	
		For Seal Class A, Add	*29.96*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.37	58.04
		For Work In Restricted Working Space, Add	*29.02*	
		For Seal Class B, Add	*14.51*	
		For Seal Class A, Add	*30.95*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	154.87	67.40
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	159.18	69.27
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	163.48	71.14
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.78	73.02
		For Work In Restricted Working Space, Add	*36.51*	
		For Seal Class B, Add	*18.25*	
		For Seal Class A, Add	*38.94*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	137.67	59.91
		For Work In Restricted Working Space, Add	*29.96*	
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*31.95*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.97	61.78
		For Work In Restricted Working Space, Add	*30.89*	
		For Seal Class B, Add	*15.45*	
		For Seal Class A, Add	*32.95*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.27	63.66
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.57	65.53
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	154.87	67.40
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	159.18	69.27
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	163.48	71.14
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.78	73.02
		For Work In Restricted Working Space, Add	*36.51*	
		For Seal Class B, Add	*18.25*	
		For Seal Class A, Add	*38.94*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.08	74.89
		For Work In Restricted Working Space, Add	*37.44*	
		For Seal Class B, Add	*18.72*	
		For Seal Class A, Add	*39.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.27	63.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*31.83*	
		For Seal Class B, Add	*15.91*	
		For Seal Class A, Add	*33.95*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.57	65.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*32.76*	
		For Seal Class B, Add	*16.38*	
		For Seal Class A, Add	*34.95*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	154.87	67.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.18	69.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	163.48	71.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	167.78	73.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*36.51*	
		For Seal Class B, Add	*18.25*	
		For Seal Class A, Add	*38.94*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	172.08	74.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.44*	
		For Seal Class B, Add	*18.72*	
		For Seal Class A, Add	*39.94*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	176.37	76.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.38*	
		For Seal Class B, Add	*19.19*	
		For Seal Class A, Add	*40.93*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	154.87	67.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*33.70*	
		For Seal Class B, Add	*16.85*	
		For Seal Class A, Add	*35.95*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.18	69.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*34.64*	
		For Seal Class B, Add	*17.32*	
		For Seal Class A, Add	*36.94*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	163.48	71.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	167.78	73.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*36.51*	
		For Seal Class B, Add	*18.25*	
		For Seal Class A, Add	*38.94*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	172.08	74.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.44*	
		For Seal Class B, Add	*18.72*	
		For Seal Class A, Add	*39.94*	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	176.37	76.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.38*	
		For Seal Class B, Add	*19.19*	
		For Seal Class A, Add	*40.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.69	78.63
		For Work In Restricted Working Space, Add	*39.32*	
		For Seal Class B, Add	*19.66*	
		For Seal Class A, Add	*41.94*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	163.48	71.14
		For Work In Restricted Working Space, Add	*35.57*	
		For Seal Class B, Add	*17.79*	
		For Seal Class A, Add	*37.94*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.78	73.02
		For Work In Restricted Working Space, Add	*36.51*	
		For Seal Class B, Add	*18.25*	
		For Seal Class A, Add	*38.94*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.08	74.89
		For Work In Restricted Working Space, Add	*37.44*	
		For Seal Class B, Add	*18.72*	
		For Seal Class A, Add	*39.94*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	176.37	76.75
		For Work In Restricted Working Space, Add	*38.38*	
		For Seal Class B, Add	*19.19*	
		For Seal Class A, Add	*40.93*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.69	78.63
		For Work In Restricted Working Space, Add	*39.32*	
		For Seal Class B, Add	*19.66*	
		For Seal Class A, Add	*41.94*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	185.00	80.51
		For Work In Restricted Working Space, Add	*40.25*	
		For Seal Class B, Add	*20.13*	
		For Seal Class A, Add	*42.94*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.30	82.37
		For Work In Restricted Working Space, Add	*41.19*	
		For Seal Class B, Add	*20.60*	
		For Seal Class A, Add	*43.94*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.08	74.89
		For Work In Restricted Working Space, Add	*37.44*	
		For Seal Class B, Add	*18.72*	
		For Seal Class A, Add	*39.94*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	176.37	76.75
		For Work In Restricted Working Space, Add	*38.38*	
		For Seal Class B, Add	*19.19*	
		For Seal Class A, Add	*40.93*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.69	78.63
		For Work In Restricted Working Space, Add	*39.32*	
		For Seal Class B, Add	*19.66*	
		For Seal Class A, Add	*41.94*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	185.00	80.51
		For Work In Restricted Working Space, Add	*40.25*	
		For Seal Class B, Add	*20.13*	
		For Seal Class A, Add	*42.94*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.30	82.37
		For Work In Restricted Working Space, Add	*41.19*	
		For Seal Class B, Add	*20.60*	
		For Seal Class A, Add	*43.94*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	193.59	84.24
		For Work In Restricted Working Space, Add	*42.12*	
		For Seal Class B, Add	*21.06*	
		For Seal Class A, Add	*44.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.89	86.12
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.19	87.99
		For Work In Restricted Working Space, Add	*44.00*	
		For Seal Class B, Add	*22.00*	
		For Seal Class A, Add	*46.93*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.69	78.63
		For Work In Restricted Working Space, Add	*39.32*	
		For Seal Class B, Add	*19.66*	
		For Seal Class A, Add	*41.94*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	185.00	80.51
		For Work In Restricted Working Space, Add	*40.25*	
		For Seal Class B, Add	*20.13*	
		For Seal Class A, Add	*42.94*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.30	82.37
		For Work In Restricted Working Space, Add	*41.19*	
		For Seal Class B, Add	*20.60*	
		For Seal Class A, Add	*43.94*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	193.59	84.24
		For Work In Restricted Working Space, Add	*42.12*	
		For Seal Class B, Add	*21.06*	
		For Seal Class A, Add	*44.93*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.89	86.12
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.19	87.99
		For Work In Restricted Working Space, Add	*44.00*	
		For Seal Class B, Add	*22.00*	
		For Seal Class A, Add	*46.93*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	206.50	89.86
		For Work In Restricted Working Space, Add	*44.93*	
		For Seal Class B, Add	*22.47*	
		For Seal Class A, Add	*47.93*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	189.30	82.37
		For Work In Restricted Working Space, Add	*41.19*	
		For Seal Class B, Add	*20.60*	
		For Seal Class A, Add	*43.94*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	193.59	84.24
		For Work In Restricted Working Space, Add	*42.12*	
		For Seal Class B, Add	*21.06*	
		For Seal Class A, Add	*44.93*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.89	86.12
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.19	87.99
		For Work In Restricted Working Space, Add	*44.00*	
		For Seal Class B, Add	*22.00*	
		For Seal Class A, Add	*46.93*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	206.50	89.86
		For Work In Restricted Working Space, Add	*44.93*	
		For Seal Class B, Add	*22.47*	
		For Seal Class A, Add	*47.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.80	91.73
		For Work In Restricted Working Space, Add	*45.87*	
		For Seal Class B, Add	*22.93*	
		For Seal Class A, Add	*48.92*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.89	86.12
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.19	87.99
		For Work In Restricted Working Space, Add	*44.00*	
		For Seal Class B, Add	*22.00*	
		For Seal Class A, Add	*46.93*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	206.50	89.86
		For Work In Restricted Working Space, Add	*44.93*	
		For Seal Class B, Add	*22.47*	
		For Seal Class A, Add	*47.93*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.80	91.73
		For Work In Restricted Working Space, Add	*45.87*	
		For Seal Class B, Add	*22.93*	
		For Seal Class A, Add	*48.92*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	215.10	93.61
		For Work In Restricted Working Space, Add	*46.80*	
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.92*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	206.50	89.86
		For Work In Restricted Working Space, Add	*44.93*	
		For Seal Class B, Add	*22.47*	
		For Seal Class A, Add	*47.93*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.80	91.73
		For Work In Restricted Working Space, Add	*45.87*	
		For Seal Class B, Add	*22.93*	
		For Seal Class A, Add	*48.92*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	215.10	93.61
		For Work In Restricted Working Space, Add	*46.80*	
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.92*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.40	95.48
		For Work In Restricted Working Space, Add	*47.74*	
		For Seal Class B, Add	*23.87*	
		For Seal Class A, Add	*50.92*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	215.10	93.61
		For Work In Restricted Working Space, Add	*46.80*	
		For Seal Class B, Add	*23.40*	
		For Seal Class A, Add	*49.92*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.40	95.48
		For Work In Restricted Working Space, Add	*47.74*	
		For Seal Class B, Add	*23.87*	
		For Seal Class A, Add	*50.92*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	223.70	97.35
		For Work In Restricted Working Space, Add	*48.68*	
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	223.70	97.35
		For Work In Restricted Working Space, Add	*48.68*	
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.02	99.22
		For Work In Restricted Working Space, Add	*49.61*	
		For Seal Class B, Add	*24.81*	
		For Seal Class A, Add	*52.92*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	232.32	101.10
		For Work In Restricted Working Space, Add	*50.55*	
		For Seal Class B, Add	*25.28*	
		For Seal Class A, Add	*53.92*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.26	8.82
		For Work In Restricted Working Space, Add	*4.41*	
		For Seal Class B, Add	*2.21*	
		For Seal Class A, Add	*4.70*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	25.34	11.02
		For Work In Restricted Working Space, Add	*5.51*	
		For Seal Class B, Add	*2.76*	
		For Seal Class A, Add	*5.88*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.41	13.23
		For Work In Restricted Working Space, Add	*6.62*	
		For Seal Class B, Add	*3.31*	
		For Seal Class A, Add	*7.06*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.45	15.43
		For Work In Restricted Working Space, Add	*7.72*	
		For Seal Class B, Add	*3.86*	
		For Seal Class A, Add	*8.23*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.54	17.64
		For Work In Restricted Working Space, Add	*8.82*	
		For Seal Class B, Add	*4.41*	
		For Seal Class A, Add	*9.41*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.61	19.84
		For Work In Restricted Working Space, Add	*9.92*	
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*10.58*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.66	22.05
		For Work In Restricted Working Space, Add	*11.03*	
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.76*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.41	13.23
		For Work In Restricted Working Space, Add	*6.62*	
		For Seal Class B, Add	*3.31*	
		For Seal Class A, Add	*7.06*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.45	15.43
		For Work In Restricted Working Space, Add	*7.72*	
		For Seal Class B, Add	*3.86*	
		For Seal Class A, Add	*8.23*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.54	17.64
		For Work In Restricted Working Space, Add	*8.82*	
		For Seal Class B, Add	*4.41*	
		For Seal Class A, Add	*9.41*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.61	19.84
		For Work In Restricted Working Space, Add	*9.92*	
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*10.58*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.66	22.05
		For Work In Restricted Working Space, Add	*11.03*	
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.75	24.25
		For Work In Restricted Working Space, Add	*12.13*	
		For Seal Class B, Add	*6.06*	
		For Seal Class A, Add	*12.94*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	40.54	17.64
		For Work In Restricted Working Space, Add	*8.82*	
		For Seal Class B, Add	*4.41*	
		For Seal Class A, Add	*9.41*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.61	19.84
		For Work In Restricted Working Space, Add	*9.92*	
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*10.58*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.66	22.05
		For Work In Restricted Working Space, Add	*11.03*	
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.76*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.75	24.25
		For Work In Restricted Working Space, Add	*12.13*	
		For Seal Class B, Add	*6.06*	
		For Seal Class A, Add	*12.94*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.79	26.46
		For Work In Restricted Working Space, Add	*13.23*	
		For Seal Class B, Add	*6.62*	
		For Seal Class A, Add	*14.11*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.86	28.66
		For Work In Restricted Working Space, Add	*14.33*	
		For Seal Class B, Add	*7.17*	
		For Seal Class A, Add	*15.29*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.95	30.87
		For Work In Restricted Working Space, Add	*15.44*	
		For Seal Class B, Add	*7.72*	
		For Seal Class A, Add	*16.46*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.99	33.07
		For Work In Restricted Working Space, Add	*16.54*	
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.07	35.28
		For Work In Restricted Working Space, Add	*17.64*	
		For Seal Class B, Add	*8.82*	
		For Seal Class A, Add	*18.82*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.66	22.05
		For Work In Restricted Working Space, Add	*11.03*	
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.76*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	55.75	24.25
		For Work In Restricted Working Space, Add	*12.13*	
		For Seal Class B, Add	*6.06*	
		For Seal Class A, Add	*12.94*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.79	26.46
		For Work In Restricted Working Space, Add	*13.23*	
		For Seal Class B, Add	*6.62*	
		For Seal Class A, Add	*14.11*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.86	28.66
		For Work In Restricted Working Space, Add	*14.33*	
		For Seal Class B, Add	*7.17*	
		For Seal Class A, Add	*15.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	30.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*15.44*	
		For Seal Class B, Add	*7.72*	
		For Seal Class A, Add	*16.46*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	75.99	33.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*16.54*	
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	81.07	35.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*17.64*	
		For Seal Class B, Add	*8.82*	
		For Seal Class A, Add	*18.82*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	86.16	37.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*18.74*	
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*19.99*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	91.20	39.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*19.85*	
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.17*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	96.28	41.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*20.95*	
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	101.33	44.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	106.40	46.30
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.79	26.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*13.23*	
		For Seal Class B, Add	*6.62*	
		For Seal Class A, Add	*14.11*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	65.86	28.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*14.33*	
		For Seal Class B, Add	*7.17*	
		For Seal Class A, Add	*15.29*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	30.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*15.44*	
		For Seal Class B, Add	*7.72*	
		For Seal Class A, Add	*16.46*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	75.99	33.07
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*16.54*	
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	81.07	35.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*17.64*	
		For Seal Class B, Add	*8.82*	
		For Seal Class A, Add	*18.82*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	86.16	37.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*18.74*	
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*19.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	91.20	39.69
		For Work In Restricted Working Space, Add	*19.85*	
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.17*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	96.28	41.89
		For Work In Restricted Working Space, Add	*20.95*	
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	101.33	44.10
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.40	46.30
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.48	48.51
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.53	50.71
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.61	52.92
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.95	30.87
		For Work In Restricted Working Space, Add	*15.44*	
		For Seal Class B, Add	*7.72*	
		For Seal Class A, Add	*16.46*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.99	33.07
		For Work In Restricted Working Space, Add	*16.54*	
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.07	35.28
		For Work In Restricted Working Space, Add	*17.64*	
		For Seal Class B, Add	*8.82*	
		For Seal Class A, Add	*18.82*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.16	37.48
		For Work In Restricted Working Space, Add	*18.74*	
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*19.99*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	91.20	39.69
		For Work In Restricted Working Space, Add	*19.85*	
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.17*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	96.28	41.89
		For Work In Restricted Working Space, Add	*20.95*	
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	101.33	44.10
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.40	46.30
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.48	48.51
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.53	50.71
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.61	52.92
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.67	55.12
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	81.07	35.28
		For Work In Restricted Working Space, Add	*17.64*	
		For Seal Class B, Add	*8.82*	
		For Seal Class A, Add	*18.82*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	86.16	37.48
		For Work In Restricted Working Space, Add	*18.74*	
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*19.99*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	91.20	39.69
		For Work In Restricted Working Space, Add	*19.85*	
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.17*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	96.28	41.89
		For Work In Restricted Working Space, Add	*20.95*	
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	101.33	44.10
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.40	46.30
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.48	48.51
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.53	50.71
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.61	52.92
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.67	55.12
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.74	57.33
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.81	59.53
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.87	61.74
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.94	63.94
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	91.20	39.69
		For Work In Restricted Working Space, Add	*19.85*	
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.17*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	96.28	41.89
		For Work In Restricted Working Space, Add	*20.95*	
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	101.33	44.10
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.40	46.30
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.48	48.51
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.53	50.71
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.61	52.92
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.67	55.12
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.74	57.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	136.81	59.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.87	61.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.94	63.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.02	66.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	157.08	68.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	162.15	70.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	101.33	44.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*22.05*	
		For Seal Class B, Add	*11.03*	
		For Seal Class A, Add	*23.52*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	106.40	46.30
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*23.15*	
		For Seal Class B, Add	*11.58*	
		For Seal Class A, Add	*24.69*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	111.48	48.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	116.53	50.71
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	121.61	52.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	126.67	55.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.74	57.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.81	59.53
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.87	61.74
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.94	63.94
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.08	68.35
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.28	74.97
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	111.48	48.51
		For Work In Restricted Working Space, Add	*24.26*	
		For Seal Class B, Add	*12.13*	
		For Seal Class A, Add	*25.87*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.53	50.71
		For Work In Restricted Working Space, Add	*25.36*	
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*27.05*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	121.61	52.92
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	126.67	55.12
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.74	57.33
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.81	59.53
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.87	61.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.94	63.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	152.02	66.15
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	157.08	68.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	162.15	70.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	167.19	72.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	172.28	74.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	77.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	121.61	52.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*26.46*	
		For Seal Class B, Add	*13.23*	
		For Seal Class A, Add	*28.22*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	126.67	55.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*27.56*	
		For Seal Class B, Add	*13.78*	
		For Seal Class A, Add	*29.40*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.74	57.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	136.81	59.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.87	61.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.94	63.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.08	68.35
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.28	74.97
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	77.17
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.40	79.38
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.74	57.33
		For Work In Restricted Working Space, Add	*28.67*	
		For Seal Class B, Add	*14.33*	
		For Seal Class A, Add	*30.58*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	136.81	59.53
		For Work In Restricted Working Space, Add	*29.77*	
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.87	61.74
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.94	63.94
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.08	68.35
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.28	74.97
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	77.17
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.40	79.38
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	187.49	81.58
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.87	61.74
		For Work In Restricted Working Space, Add	*30.87*	
		For Seal Class B, Add	*15.44*	
		For Seal Class A, Add	*32.93*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.94	63.94
		For Work In Restricted Working Space, Add	*31.97*	
		For Seal Class B, Add	*15.99*	
		For Seal Class A, Add	*34.10*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.08	68.35
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.28	74.97
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	77.17
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.40	79.38
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	187.49	81.58
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	192.53	83.79
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	152.02	66.15
		For Work In Restricted Working Space, Add	*33.08*	
		For Seal Class B, Add	*16.54*	
		For Seal Class A, Add	*35.28*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	157.08	68.35
		For Work In Restricted Working Space, Add	*34.18*	
		For Seal Class B, Add	*17.09*	
		For Seal Class A, Add	*36.46*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	172.28	74.97
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	77.17
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.40	79.38
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	187.49	81.58
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	192.53	83.79
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.60	85.99
		For Work In Restricted Working Space, Add	*43.00*	
		For Seal Class B, Add	*21.50*	
		For Seal Class A, Add	*45.86*	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	162.15	70.56
		For Work In Restricted Working Space, Add	*35.28*	
		For Seal Class B, Add	*17.64*	
		For Seal Class A, Add	*37.63*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	167.19	72.76
		For Work In Restricted Working Space, Add	*36.38*	
		For Seal Class B, Add	*18.19*	
		For Seal Class A, Add	*38.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	172.28	74.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	77.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	182.40	79.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	187.49	81.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	192.53	83.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	197.60	85.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*43.00*	
		For Seal Class B, Add	*21.50*	
		For Seal Class A, Add	*45.86*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.68	88.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*44.10*	
		For Seal Class B, Add	*22.05*	
		For Seal Class A, Add	*47.04*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	172.28	74.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.49*	
		For Seal Class B, Add	*18.74*	
		For Seal Class A, Add	*39.98*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	77.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.59*	
		For Seal Class B, Add	*19.29*	
		For Seal Class A, Add	*41.16*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	182.40	79.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	187.49	81.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	192.53	83.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	197.60	85.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*43.00*	
		For Seal Class B, Add	*21.50*	
		For Seal Class A, Add	*45.86*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	202.68	88.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*44.10*	
		For Seal Class B, Add	*22.05*	
		For Seal Class A, Add	*47.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.74	90.40
		For Work In Restricted Working Space, Add	*45.20*	
		For Seal Class B, Add	*22.60*	
		For Seal Class A, Add	*48.22*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.40	79.38
		For Work In Restricted Working Space, Add	*39.69*	
		For Seal Class B, Add	*19.85*	
		For Seal Class A, Add	*42.34*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	187.49	81.58
		For Work In Restricted Working Space, Add	*40.79*	
		For Seal Class B, Add	*20.40*	
		For Seal Class A, Add	*43.51*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	192.53	83.79
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.60	85.99
		For Work In Restricted Working Space, Add	*43.00*	
		For Seal Class B, Add	*21.50*	
		For Seal Class A, Add	*45.86*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.68	88.20
		For Work In Restricted Working Space, Add	*44.10*	
		For Seal Class B, Add	*22.05*	
		For Seal Class A, Add	*47.04*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.74	90.40
		For Work In Restricted Working Space, Add	*45.20*	
		For Seal Class B, Add	*22.60*	
		For Seal Class A, Add	*48.22*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.81	92.61
		For Work In Restricted Working Space, Add	*46.31*	
		For Seal Class B, Add	*23.15*	
		For Seal Class A, Add	*49.39*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	192.53	83.79
		For Work In Restricted Working Space, Add	*41.90*	
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.69*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.60	85.99
		For Work In Restricted Working Space, Add	*43.00*	
		For Seal Class B, Add	*21.50*	
		For Seal Class A, Add	*45.86*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.68	88.20
		For Work In Restricted Working Space, Add	*44.10*	
		For Seal Class B, Add	*22.05*	
		For Seal Class A, Add	*47.04*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.74	90.40
		For Work In Restricted Working Space, Add	*45.20*	
		For Seal Class B, Add	*22.60*	
		For Seal Class A, Add	*48.22*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.81	92.61
		For Work In Restricted Working Space, Add	*46.31*	
		For Seal Class B, Add	*23.15*	
		For Seal Class A, Add	*49.39*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.89	94.81
		For Work In Restricted Working Space, Add	*47.41*	
		For Seal Class B, Add	*23.70*	
		For Seal Class A, Add	*50.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	222.94	97.02
		For Work In Restricted Working Space, Add	*48.51*	
		For Seal Class B, Add	*24.26*	
		For Seal Class A, Add	*51.74*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	202.68	88.20
		For Work In Restricted Working Space, Add	*44.10*	
		For Seal Class B, Add	*22.05*	
		For Seal Class A, Add	*47.04*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.74	90.40
		For Work In Restricted Working Space, Add	*45.20*	
		For Seal Class B, Add	*22.60*	
		For Seal Class A, Add	*48.22*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.81	92.61
		For Work In Restricted Working Space, Add	*46.31*	
		For Seal Class B, Add	*23.15*	
		For Seal Class A, Add	*49.39*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.89	94.81
		For Work In Restricted Working Space, Add	*47.41*	
		For Seal Class B, Add	*23.70*	
		For Seal Class A, Add	*50.57*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	222.94	97.02
		For Work In Restricted Working Space, Add	*48.51*	
		For Seal Class B, Add	*24.26*	
		For Seal Class A, Add	*51.74*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.02	99.22
		For Work In Restricted Working Space, Add	*49.61*	
		For Seal Class B, Add	*24.81*	
		For Seal Class A, Add	*52.92*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.07	101.43
		For Work In Restricted Working Space, Add	*50.72*	
		For Seal Class B, Add	*25.36*	
		For Seal Class A, Add	*54.10*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.15	103.63
		For Work In Restricted Working Space, Add	*51.82*	
		For Seal Class B, Add	*25.91*	
		For Seal Class A, Add	*55.27*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	243.23	105.84
		For Work In Restricted Working Space, Add	*52.92*	
		For Seal Class B, Add	*26.46*	
		For Seal Class A, Add	*56.45*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.81	92.61
		For Work In Restricted Working Space, Add	*46.31*	
		For Seal Class B, Add	*23.15*	
		For Seal Class A, Add	*49.39*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.89	94.81
		For Work In Restricted Working Space, Add	*47.41*	
		For Seal Class B, Add	*23.70*	
		For Seal Class A, Add	*50.57*	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	222.94	97.02
		For Work In Restricted Working Space, Add	*48.51*	
		For Seal Class B, Add	*24.26*	
		For Seal Class A, Add	*51.74*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.02	99.22
		For Work In Restricted Working Space, Add	*49.61*	
		For Seal Class B, Add	*24.81*	
		For Seal Class A, Add	*52.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.07	101.43
		For Work In Restricted Working Space, Add	*50.72*	
		For Seal Class B, Add	*25.36*	
		For Seal Class A, Add	*54.10*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.15	103.63
		For Work In Restricted Working Space, Add	*51.82*	
		For Seal Class B, Add	*25.91*	
		For Seal Class A, Add	*55.27*	
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	243.23	105.84
		For Work In Restricted Working Space, Add	*52.92*	
		For Seal Class B, Add	*26.46*	
		For Seal Class A, Add	*56.45*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.28	108.04
		For Work In Restricted Working Space, Add	*54.02*	
		For Seal Class B, Add	*27.01*	
		For Seal Class A, Add	*57.63*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	222.94	97.02
		For Work In Restricted Working Space, Add	*48.51*	
		For Seal Class B, Add	*24.26*	
		For Seal Class A, Add	*51.74*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	228.02	99.22
		For Work In Restricted Working Space, Add	*49.61*	
		For Seal Class B, Add	*24.81*	
		For Seal Class A, Add	*52.92*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.07	101.43
		For Work In Restricted Working Space, Add	*50.72*	
		For Seal Class B, Add	*25.36*	
		For Seal Class A, Add	*54.10*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.15	103.63
		For Work In Restricted Working Space, Add	*51.82*	
		For Seal Class B, Add	*25.91*	
		For Seal Class A, Add	*55.27*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	243.23	105.84
		For Work In Restricted Working Space, Add	*52.92*	
		For Seal Class B, Add	*26.46*	
		For Seal Class A, Add	*56.45*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.28	108.04
		For Work In Restricted Working Space, Add	*54.02*	
		For Seal Class B, Add	*27.01*	
		For Seal Class A, Add	*57.63*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.35	110.25
		For Work In Restricted Working Space, Add	*55.13*	
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.80*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.07	101.43
		For Work In Restricted Working Space, Add	*50.72*	
		For Seal Class B, Add	*25.36*	
		For Seal Class A, Add	*54.10*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	238.15	103.63
		For Work In Restricted Working Space, Add	*51.82*	
		For Seal Class B, Add	*25.91*	
		For Seal Class A, Add	*55.27*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	243.23	105.84
		For Work In Restricted Working Space, Add	*52.92*	
		For Seal Class B, Add	*26.46*	
		For Seal Class A, Add	*56.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.28	108.04
		For Work In Restricted Working Space, Add	*54.02*	
		For Seal Class B, Add	*27.01*	
		For Seal Class A, Add	*57.63*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.35	110.25
		For Work In Restricted Working Space, Add	*55.13*	
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.80*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	262.10	114.66
		For Work In Restricted Working Space, Add	*57.33*	
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	267.16	116.86
		For Work In Restricted Working Space, Add	*58.43*	
		For Seal Class B, Add	*29.22*	
		For Seal Class A, Add	*62.33*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	243.23	105.84
		For Work In Restricted Working Space, Add	*52.92*	
		For Seal Class B, Add	*26.46*	
		For Seal Class A, Add	*56.45*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.28	108.04
		For Work In Restricted Working Space, Add	*54.02*	
		For Seal Class B, Add	*27.01*	
		For Seal Class A, Add	*57.63*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.35	110.25
		For Work In Restricted Working Space, Add	*55.13*	
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.80*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.43	112.45
		For Work In Restricted Working Space, Add	*56.23*	
		For Seal Class B, Add	*28.11*	
		For Seal Class A, Add	*59.98*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.48	114.66
		For Work In Restricted Working Space, Add	*57.33*	
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	268.56	116.86
		For Work In Restricted Working Space, Add	*58.43*	
		For Seal Class B, Add	*29.22*	
		For Seal Class A, Add	*62.33*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	273.61	119.07
		For Work In Restricted Working Space, Add	*59.54*	
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.51*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.35	110.25
		For Work In Restricted Working Space, Add	*55.13*	
		For Seal Class B, Add	*27.56*	
		For Seal Class A, Add	*58.80*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	258.43	112.45
		For Work In Restricted Working Space, Add	*56.23*	
		For Seal Class B, Add	*28.11*	
		For Seal Class A, Add	*59.98*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.48	114.66
		For Work In Restricted Working Space, Add	*57.33*	
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	268.56	116.86
		For Work In Restricted Working Space, Add	*58.43*	
		For Seal Class B, Add	*29.22*	
		For Seal Class A, Add	*62.33*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	273.61	119.07
		For Work In Restricted Working Space, Add	*59.54*	
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.51*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.69	121.27
		For Work In Restricted Working Space, Add	*60.64*	
		For Seal Class B, Add	*30.32*	
		For Seal Class A, Add	*64.68*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.48	114.66
		For Work In Restricted Working Space, Add	*57.33*	
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	268.56	116.86
		For Work In Restricted Working Space, Add	*58.43*	
		For Seal Class B, Add	*29.22*	
		For Seal Class A, Add	*62.33*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	273.61	119.07
		For Work In Restricted Working Space, Add	*59.54*	
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.51*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.69	121.27
		For Work In Restricted Working Space, Add	*60.64*	
		For Seal Class B, Add	*30.32*	
		For Seal Class A, Add	*64.68*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.76	123.48
		For Work In Restricted Working Space, Add	*61.74*	
		For Seal Class B, Add	*30.87*	
		For Seal Class A, Add	*65.86*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	273.61	119.07
		For Work In Restricted Working Space, Add	*59.54*	
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.51*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.69	121.27
		For Work In Restricted Working Space, Add	*60.64*	
		For Seal Class B, Add	*30.32*	
		For Seal Class A, Add	*64.68*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.76	123.48
		For Work In Restricted Working Space, Add	*61.74*	
		For Seal Class B, Add	*30.87*	
		For Seal Class A, Add	*65.86*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.81	125.68
		For Work In Restricted Working Space, Add	*62.84*	
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.89	127.89
		For Work In Restricted Working Space, Add	*63.95*	
		For Seal Class B, Add	*31.97*	
		For Seal Class A, Add	*68.21*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	298.94	130.09
		For Work In Restricted Working Space, Add	*65.05*	
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.76	123.48
		For Work In Restricted Working Space, Add	*61.74*	
		For Seal Class B, Add	*30.87*	
		For Seal Class A, Add	*65.86*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.81	125.68
		For Work In Restricted Working Space, Add	*62.84*	
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.89	127.89
		For Work In Restricted Working Space, Add	*63.95*	
		For Seal Class B, Add	*31.97*	
		For Seal Class A, Add	*68.21*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	298.94	130.09
		For Work In Restricted Working Space, Add	*65.05*	
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.39*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	304.02	132.30
		For Work In Restricted Working Space, Add	*66.15*	
		For Seal Class B, Add	*33.08*	
		For Seal Class A, Add	*70.56*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.89	127.89
		For Work In Restricted Working Space, Add	*63.95*	
		For Seal Class B, Add	*31.97*	
		For Seal Class A, Add	*68.21*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	298.94	130.09
		For Work In Restricted Working Space, Add	*65.05*	
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.39*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	304.02	132.30
		For Work In Restricted Working Space, Add	*66.15*	
		For Seal Class B, Add	*33.08*	
		For Seal Class A, Add	*70.56*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	309.10	134.50
		For Work In Restricted Working Space, Add	*67.25*	
		For Seal Class B, Add	*33.63*	
		For Seal Class A, Add	*71.74*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.14	136.71
		For Work In Restricted Working Space, Add	*68.36*	
		For Seal Class B, Add	*34.18*	
		For Seal Class A, Add	*72.91*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	304.02	132.30
		For Work In Restricted Working Space, Add	*66.15*	
		For Seal Class B, Add	*33.08*	
		For Seal Class A, Add	*70.56*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	309.10	134.50
		For Work In Restricted Working Space, Add	*67.25*	
		For Seal Class B, Add	*33.63*	
		For Seal Class A, Add	*71.74*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.14	136.71
		For Work In Restricted Working Space, Add	*68.36*	
		For Seal Class B, Add	*34.18*	
		For Seal Class A, Add	*72.91*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.22	138.91
		For Work In Restricted Working Space, Add	*69.46*	
		For Seal Class B, Add	*34.73*	
		For Seal Class A, Add	*74.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.30	141.12
		For Work In Restricted Working Space, Add	*70.56*	
		For Seal Class B, Add	*35.28*	
		For Seal Class A, Add	*75.26*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	314.14	136.71
		For Work In Restricted Working Space, Add	*68.36*	
		For Seal Class B, Add	*34.18*	
		For Seal Class A, Add	*72.91*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.22	138.91
		For Work In Restricted Working Space, Add	*69.46*	
		For Seal Class B, Add	*34.73*	
		For Seal Class A, Add	*74.09*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.30	141.12
		For Work In Restricted Working Space, Add	*70.56*	
		For Seal Class B, Add	*35.28*	
		For Seal Class A, Add	*75.26*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	329.35	143.32
		For Work In Restricted Working Space, Add	*71.66*	
		For Seal Class B, Add	*35.83*	
		For Seal Class A, Add	*76.44*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.43	145.53
		For Work In Restricted Working Space, Add	*72.77*	
		For Seal Class B, Add	*36.38*	
		For Seal Class A, Add	*77.62*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	324.30	141.12
		For Work In Restricted Working Space, Add	*70.56*	
		For Seal Class B, Add	*35.28*	
		For Seal Class A, Add	*75.26*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	329.35	143.32
		For Work In Restricted Working Space, Add	*71.66*	
		For Seal Class B, Add	*35.83*	
		For Seal Class A, Add	*76.44*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.43	145.53
		For Work In Restricted Working Space, Add	*72.77*	
		For Seal Class B, Add	*36.38*	
		For Seal Class A, Add	*77.62*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.48	147.73
		For Work In Restricted Working Space, Add	*73.87*	
		For Seal Class B, Add	*36.93*	
		For Seal Class A, Add	*78.79*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.43	145.53
		For Work In Restricted Working Space, Add	*72.77*	
		For Seal Class B, Add	*36.38*	
		For Seal Class A, Add	*77.62*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	339.48	147.73
		For Work In Restricted Working Space, Add	*73.87*	
		For Seal Class B, Add	*36.93*	
		For Seal Class A, Add	*78.79*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	344.55	149.94
		For Work In Restricted Working Space, Add	*74.97*	
		For Seal Class B, Add	*37.49*	
		For Seal Class A, Add	*79.97*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	349.63	152.15
		For Work In Restricted Working Space, Add	*76.07*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	344.55	149.94
		For Work In Restricted Working Space, Add	*74.97*	
		For Seal Class B, Add	*37.49*	
		For Seal Class A, Add	*79.97*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	349.63	152.15
		For Work In Restricted Working Space, Add	*76.07*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.69	154.35
		For Work In Restricted Working Space, Add	*77.18*	
		For Seal Class B, Add	*38.59*	
		For Seal Class A, Add	*82.32*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	359.77	156.56
		For Work In Restricted Working Space, Add	*78.28*	
		For Seal Class B, Add	*39.14*	
		For Seal Class A, Add	*83.50*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.69	154.35
		For Work In Restricted Working Space, Add	*77.18*	
		For Seal Class B, Add	*38.59*	
		For Seal Class A, Add	*82.32*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	359.77	156.56
		For Work In Restricted Working Space, Add	*78.28*	
		For Seal Class B, Add	*39.14*	
		For Seal Class A, Add	*83.50*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	364.84	158.77
		For Work In Restricted Working Space, Add	*79.38*	
		For Seal Class B, Add	*39.69*	
		For Seal Class A, Add	*84.68*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.89	160.97
		For Work In Restricted Working Space, Add	*80.48*	
		For Seal Class B, Add	*40.24*	
		For Seal Class A, Add	*85.85*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	374.97	163.18
		For Work In Restricted Working Space, Add	*81.59*	
		For Seal Class B, Add	*40.79*	
		For Seal Class A, Add	*87.03*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.02	165.38
		For Work In Restricted Working Space, Add	*82.69*	
		For Seal Class B, Add	*41.34*	
		For Seal Class A, Add	*88.20*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	385.10	167.59
		For Work In Restricted Working Space, Add	*83.79*	
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.18	169.79
		For Work In Restricted Working Space, Add	*84.90*	
		For Seal Class B, Add	*42.45*	
		For Seal Class A, Add	*90.56*	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	364.84	158.77
		For Work In Restricted Working Space, Add	*79.38*	
		For Seal Class B, Add	*39.69*	
		For Seal Class A, Add	*84.68*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.89	160.97
		For Work In Restricted Working Space, Add	*80.48*	
		For Seal Class B, Add	*40.24*	
		For Seal Class A, Add	*85.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	374.97	163.18
		For Work In Restricted Working Space, Add	*81.59*	
		For Seal Class B, Add	*40.79*	
		For Seal Class A, Add	*87.03*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.02	165.38
		For Work In Restricted Working Space, Add	*82.69*	
		For Seal Class B, Add	*41.34*	
		For Seal Class A, Add	*88.20*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	385.10	167.59
		For Work In Restricted Working Space, Add	*83.79*	
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.18	169.79
		For Work In Restricted Working Space, Add	*84.90*	
		For Seal Class B, Add	*42.45*	
		For Seal Class A, Add	*90.56*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.23	172.00
		For Work In Restricted Working Space, Add	*86.00*	
		For Seal Class B, Add	*43.00*	
		For Seal Class A, Add	*91.73*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	374.97	163.18
		For Work In Restricted Working Space, Add	*81.59*	
		For Seal Class B, Add	*40.79*	
		For Seal Class A, Add	*87.03*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	380.02	165.38
		For Work In Restricted Working Space, Add	*82.69*	
		For Seal Class B, Add	*41.34*	
		For Seal Class A, Add	*88.20*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	385.10	167.59
		For Work In Restricted Working Space, Add	*83.79*	
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.18	169.79
		For Work In Restricted Working Space, Add	*84.90*	
		For Seal Class B, Add	*42.45*	
		For Seal Class A, Add	*90.56*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.23	172.00
		For Work In Restricted Working Space, Add	*86.00*	
		For Seal Class B, Add	*43.00*	
		For Seal Class A, Add	*91.73*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.30	174.20
		For Work In Restricted Working Space, Add	*87.10*	
		For Seal Class B, Add	*43.55*	
		For Seal Class A, Add	*92.91*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	385.10	167.59
		For Work In Restricted Working Space, Add	*83.79*	
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.18	169.79
		For Work In Restricted Working Space, Add	*84.90*	
		For Seal Class B, Add	*42.45*	
		For Seal Class A, Add	*90.56*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.23	172.00
		For Work In Restricted Working Space, Add	*86.00*	
		For Seal Class B, Add	*43.00*	
		For Seal Class A, Add	*91.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.30	174.20
		For Work In Restricted Working Space, Add	*87.10*	
		For Seal Class B, Add	*43.55*	
		For Seal Class A, Add	*92.91*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	405.35	176.41
		For Work In Restricted Working Space, Add	*88.20*	
		For Seal Class B, Add	*44.10*	
		For Seal Class A, Add	*94.08*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.23	172.00
		For Work In Restricted Working Space, Add	*86.00*	
		For Seal Class B, Add	*43.00*	
		For Seal Class A, Add	*91.73*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	400.30	174.20
		For Work In Restricted Working Space, Add	*87.10*	
		For Seal Class B, Add	*43.55*	
		For Seal Class A, Add	*92.91*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	405.35	176.41
		For Work In Restricted Working Space, Add	*88.20*	
		For Seal Class B, Add	*44.10*	
		For Seal Class A, Add	*94.08*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	410.42	178.61
		For Work In Restricted Working Space, Add	*89.30*	
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.26*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	405.35	176.41
		For Work In Restricted Working Space, Add	*88.20*	
		For Seal Class B, Add	*44.10*	
		For Seal Class A, Add	*94.08*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	410.42	178.61
		For Work In Restricted Working Space, Add	*89.30*	
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.26*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.50	180.82
		For Work In Restricted Working Space, Add	*90.41*	
		For Seal Class B, Add	*45.20*	
		For Seal Class A, Add	*96.43*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.50	180.82
		For Work In Restricted Working Space, Add	*90.41*	
		For Seal Class B, Add	*45.20*	
		For Seal Class A, Add	*96.43*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	420.56	183.02
		For Work In Restricted Working Space, Add	*91.51*	
		For Seal Class B, Add	*45.76*	
		For Seal Class A, Add	*97.61*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	425.63	185.23
		For Work In Restricted Working Space, Add	*92.61*	
		For Seal Class B, Add	*46.31*	
		For Seal Class A, Add	*98.79*	

23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	26.39	11.48
		For Work In Restricted Working Space, Add	*5.74*	
		For Seal Class B, Add	*2.87*	
		For Seal Class A, Add	*6.12*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	32.98	14.36
		For Work In Restricted Working Space, Add	*7.18*	
		For Seal Class B, Add	*3.59*	
		For Seal Class A, Add	*7.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	39.58	17.23
		For Work In Restricted Working Space, Add	*8.61*	
		For Seal Class B, Add	*4.31*	
		For Seal Class A, Add	*9.19*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.16	20.10
		For Work In Restricted Working Space, Add	*10.05*	
		For Seal Class B, Add	*5.02*	
		For Seal Class A, Add	*10.72*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.79	22.97
		For Work In Restricted Working Space, Add	*11.48*	
		For Seal Class B, Add	*5.74*	
		For Seal Class A, Add	*12.25*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.37	25.84
		For Work In Restricted Working Space, Add	*12.92*	
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.78*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.97	28.71
		For Work In Restricted Working Space, Add	*14.36*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*15.31*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	39.58	17.23
		For Work In Restricted Working Space, Add	*8.61*	
		For Seal Class B, Add	*4.31*	
		For Seal Class A, Add	*9.19*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.16	20.10
		For Work In Restricted Working Space, Add	*10.05*	
		For Seal Class B, Add	*5.02*	
		For Seal Class A, Add	*10.72*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.79	22.97
		For Work In Restricted Working Space, Add	*11.48*	
		For Seal Class B, Add	*5.74*	
		For Seal Class A, Add	*12.25*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.37	25.84
		For Work In Restricted Working Space, Add	*12.92*	
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.78*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.97	28.71
		For Work In Restricted Working Space, Add	*14.36*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*15.31*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.57	31.58
		For Work In Restricted Working Space, Add	*15.79*	
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*16.84*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.79	22.97
		For Work In Restricted Working Space, Add	*11.48*	
		For Seal Class B, Add	*5.74*	
		For Seal Class A, Add	*12.25*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.37	25.84
		For Work In Restricted Working Space, Add	*12.92*	
		For Seal Class B, Add	*6.46*	
		For Seal Class A, Add	*13.78*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.97	28.71
		For Work In Restricted Working Space, Add	*14.36*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*15.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.57	31.58
		For Work In Restricted Working Space, Add	*15.79*	
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*16.84*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.14	34.45
		For Work In Restricted Working Space, Add	*17.22*	
		For Seal Class B, Add	*8.61*	
		For Seal Class A, Add	*18.37*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.77	37.32
		For Work In Restricted Working Space, Add	*18.66*	
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.36	40.19
		For Work In Restricted Working Space, Add	*20.09*	
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.43*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.95	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.77*	
		For Seal Class A, Add	*22.97*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.54	45.93
		For Work In Restricted Working Space, Add	*22.97*	
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.97	28.71
		For Work In Restricted Working Space, Add	*14.36*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*15.31*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.57	31.58
		For Work In Restricted Working Space, Add	*15.79*	
		For Seal Class B, Add	*7.90*	
		For Seal Class A, Add	*16.84*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.14	34.45
		For Work In Restricted Working Space, Add	*17.22*	
		For Seal Class B, Add	*8.61*	
		For Seal Class A, Add	*18.37*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.77	37.32
		For Work In Restricted Working Space, Add	*18.66*	
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.36	40.19
		For Work In Restricted Working Space, Add	*20.09*	
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.43*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.95	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.77*	
		For Seal Class A, Add	*22.97*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.54	45.93
		For Work In Restricted Working Space, Add	*22.97*	
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	112.15	48.81
		For Work In Restricted Working Space, Add	*24.41*	
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.76	51.67
		For Work In Restricted Working Space, Add	*25.84*	
		For Seal Class B, Add	*12.92*	
		For Seal Class A, Add	*27.56*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	125.35	54.55
		For Work In Restricted Working Space, Add	*27.27*	
		For Seal Class B, Add	*13.64*	
		For Seal Class A, Add	*29.09*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.14	34.45
		For Work In Restricted Working Space, Add	*17.22*	
		For Seal Class B, Add	*8.61*	
		For Seal Class A, Add	*18.37*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	85.77	37.32
		For Work In Restricted Working Space, Add	*18.66*	
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.36	40.19
		For Work In Restricted Working Space, Add	*20.09*	
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.43*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.95	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.77*	
		For Seal Class A, Add	*22.97*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.54	45.93
		For Work In Restricted Working Space, Add	*22.97*	
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	112.15	48.81
		For Work In Restricted Working Space, Add	*24.41*	
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.03*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.76	51.67
		For Work In Restricted Working Space, Add	*25.84*	
		For Seal Class B, Add	*12.92*	
		For Seal Class A, Add	*27.56*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	125.35	54.55
		For Work In Restricted Working Space, Add	*27.27*	
		For Seal Class B, Add	*13.64*	
		For Seal Class A, Add	*29.09*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.36	40.19
		For Work In Restricted Working Space, Add	*20.09*	
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.43*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	98.95	43.06
		For Work In Restricted Working Space, Add	*21.53*	
		For Seal Class B, Add	*10.77*	
		For Seal Class A, Add	*22.97*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.54	45.93
		For Work In Restricted Working Space, Add	*22.97*	
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	112.15	48.81
		For Work In Restricted Working Space, Add	*24.41*	
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.03*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.76	51.67
		For Work In Restricted Working Space, Add	*25.84*	
		For Seal Class B, Add	*12.92*	
		For Seal Class A, Add	*27.56*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	125.35	54.55
		For Work In Restricted Working Space, Add	*27.27*	
		For Seal Class B, Add	*13.64*	
		For Seal Class A, Add	*29.09*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.54	45.93
		For Work In Restricted Working Space, Add	*22.97*	
		For Seal Class B, Add	*11.48*	
		For Seal Class A, Add	*24.50*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	112.15	48.81
		For Work In Restricted Working Space, Add	*24.41*	
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.03*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.76	51.67
		For Work In Restricted Working Space, Add	*25.84*	
		For Seal Class B, Add	*12.92*	
		For Seal Class A, Add	*27.56*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	125.35	54.55
		For Work In Restricted Working Space, Add	*27.27*	
		For Seal Class B, Add	*13.64*	
		For Seal Class A, Add	*29.09*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.51	74.63
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.10	77.51
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	118.76	51.67
		For Work In Restricted Working Space, Add	*25.84*	
		For Seal Class B, Add	*12.92*	
		For Seal Class A, Add	*27.56*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	125.35	54.55
		For Work In Restricted Working Space, Add	*27.27*	
		For Seal Class B, Add	*13.64*	
		For Seal Class A, Add	*29.09*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.51	74.63
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.10	77.51
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	211.11	91.87
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.93	57.41
		For Work In Restricted Working Space, Add	*28.71*	
		For Seal Class B, Add	*14.35*	
		For Seal Class A, Add	*30.62*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	60.29
		For Work In Restricted Working Space, Add	*30.14*	
		For Seal Class B, Add	*15.07*	
		For Seal Class A, Add	*32.15*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.51	74.63
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.10	77.51
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	211.11	91.87
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.71	94.74
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	224.29	97.61
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	145.12	63.15
		For Work In Restricted Working Space, Add	*31.58*	
		For Seal Class B, Add	*15.79*	
		For Seal Class A, Add	*33.68*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	151.74	66.03
		For Work In Restricted Working Space, Add	*33.02*	
		For Seal Class B, Add	*16.51*	
		For Seal Class A, Add	*35.22*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.51	74.63
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.10	77.51
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	211.11	91.87
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.71	94.74
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	224.29	97.61
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.88	100.48
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.34	68.89
		For Work In Restricted Working Space, Add	*34.45*	
		For Seal Class B, Add	*17.23*	
		For Seal Class A, Add	*36.75*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	164.92	71.77
		For Work In Restricted Working Space, Add	*35.89*	
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	171.51	74.63
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	178.10	77.51
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	211.11	91.87
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.71	94.74
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	224.29	97.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.88	100.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	237.47	103.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	171.51	74.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*37.32*	
		For Seal Class B, Add	*18.66*	
		For Seal Class A, Add	*39.81*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	178.10	77.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*38.75*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*41.34*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	184.72	80.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	191.31	83.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	197.90	86.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	204.50	89.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	211.11	91.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	217.71	94.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	224.29	97.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.88	100.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	237.47	103.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	244.10	106.22
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	80.39
		For Work In Restricted Working Space, Add	*40.19*	
		For Seal Class B, Add	*20.10*	
		For Seal Class A, Add	*42.87*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	191.31	83.26
		For Work In Restricted Working Space, Add	*41.63*	
		For Seal Class B, Add	*20.81*	
		For Seal Class A, Add	*44.40*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	211.11	91.87
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	217.71	94.74
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	224.29	97.61
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.88	100.48
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	237.47	103.35
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	244.10	106.22
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.69	109.09
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.90	86.13
		For Work In Restricted Working Space, Add	*43.06*	
		For Seal Class B, Add	*21.53*	
		For Seal Class A, Add	*45.93*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.50	89.00
		For Work In Restricted Working Space, Add	*44.50*	
		For Seal Class B, Add	*22.25*	
		For Seal Class A, Add	*47.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	211.11	91.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	217.71	94.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	224.29	97.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.88	100.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	237.47	103.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	244.10	106.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	250.69	109.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.29	111.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*55.98*	
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	211.11	91.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*45.93*	
		For Seal Class B, Add	*22.97*	
		For Seal Class A, Add	*49.00*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	217.71	94.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*47.37*	
		For Seal Class B, Add	*23.69*	
		For Seal Class A, Add	*50.53*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	224.29	97.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.88	100.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	237.47	103.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	244.10	106.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.69	109.09
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.29	111.96
		For Work In Restricted Working Space, Add	*55.98*	
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.87	114.84
		For Work In Restricted Working Space, Add	*57.42*	
		For Seal Class B, Add	*28.71*	
		For Seal Class A, Add	*61.24*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	224.29	97.61
		For Work In Restricted Working Space, Add	*48.80*	
		For Seal Class B, Add	*24.40*	
		For Seal Class A, Add	*52.05*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.88	100.48
		For Work In Restricted Working Space, Add	*50.24*	
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.59*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	237.47	103.35
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	244.10	106.22
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.69	109.09
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.29	111.96
		For Work In Restricted Working Space, Add	*55.98*	
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.87	114.84
		For Work In Restricted Working Space, Add	*57.42*	
		For Seal Class B, Add	*28.71*	
		For Seal Class A, Add	*61.24*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	270.46	117.70
		For Work In Restricted Working Space, Add	*58.85*	
		For Seal Class B, Add	*29.43*	
		For Seal Class A, Add	*62.77*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	237.47	103.35
		For Work In Restricted Working Space, Add	*51.67*	
		For Seal Class B, Add	*25.84*	
		For Seal Class A, Add	*55.12*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	244.10	106.22
		For Work In Restricted Working Space, Add	*53.11*	
		For Seal Class B, Add	*26.56*	
		For Seal Class A, Add	*56.65*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	250.69	109.09
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.29	111.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*55.98*	
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	263.87	114.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*57.42*	
		For Seal Class B, Add	*28.71*	
		For Seal Class A, Add	*61.24*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	270.46	117.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*58.85*	
		For Seal Class B, Add	*29.43*	
		For Seal Class A, Add	*62.77*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	277.07	120.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*60.29*	
		For Seal Class B, Add	*30.14*	
		For Seal Class A, Add	*64.30*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	250.69	109.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*54.55*	
		For Seal Class B, Add	*27.27*	
		For Seal Class A, Add	*58.18*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.29	111.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*55.98*	
		For Seal Class B, Add	*27.99*	
		For Seal Class A, Add	*59.72*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	263.87	114.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*57.42*	
		For Seal Class B, Add	*28.71*	
		For Seal Class A, Add	*61.24*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	270.46	117.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*58.85*	
		For Seal Class B, Add	*29.43*	
		For Seal Class A, Add	*62.77*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	277.07	120.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*60.29*	
		For Seal Class B, Add	*30.14*	
		For Seal Class A, Add	*64.30*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.67	123.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*61.72*	
		For Seal Class B, Add	*30.86*	
		For Seal Class A, Add	*65.84*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	290.27	126.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*63.16*	
		For Seal Class B, Add	*31.58*	
		For Seal Class A, Add	*67.37*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	263.87	114.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*57.42*	
		For Seal Class B, Add	*28.71*	
		For Seal Class A, Add	*61.24*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	270.46	117.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*58.85*	
		For Seal Class B, Add	*29.43*	
		For Seal Class A, Add	*62.77*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	277.07	120.58
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*60.29*	
		For Seal Class B, Add	*30.14*	
		For Seal Class A, Add	*64.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.67	123.44
		For Work In Restricted Working Space, Add	*61.72*	
		For Seal Class B, Add	*30.86*	
		For Seal Class A, Add	*65.84*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	290.27	126.32
		For Work In Restricted Working Space, Add	*63.16*	
		For Seal Class B, Add	*31.58*	
		For Seal Class A, Add	*67.37*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	296.86	129.18
		For Work In Restricted Working Space, Add	*64.59*	
		For Seal Class B, Add	*32.30*	
		For Seal Class A, Add	*68.90*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	303.45	132.06
		For Work In Restricted Working Space, Add	*66.03*	
		For Seal Class B, Add	*33.02*	
		For Seal Class A, Add	*70.43*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.07	134.92
		For Work In Restricted Working Space, Add	*67.46*	
		For Seal Class B, Add	*33.73*	
		For Seal Class A, Add	*71.96*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	316.66	137.80
		For Work In Restricted Working Space, Add	*68.90*	
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.49*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.07	120.58
		For Work In Restricted Working Space, Add	*60.29*	
		For Seal Class B, Add	*30.14*	
		For Seal Class A, Add	*64.30*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.67	123.44
		For Work In Restricted Working Space, Add	*61.72*	
		For Seal Class B, Add	*30.86*	
		For Seal Class A, Add	*65.84*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	290.27	126.32
		For Work In Restricted Working Space, Add	*63.16*	
		For Seal Class B, Add	*31.58*	
		For Seal Class A, Add	*67.37*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	296.86	129.18
		For Work In Restricted Working Space, Add	*64.59*	
		For Seal Class B, Add	*32.30*	
		For Seal Class A, Add	*68.90*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	303.45	132.06
		For Work In Restricted Working Space, Add	*66.03*	
		For Seal Class B, Add	*33.02*	
		For Seal Class A, Add	*70.43*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.07	134.92
		For Work In Restricted Working Space, Add	*67.46*	
		For Seal Class B, Add	*33.73*	
		For Seal Class A, Add	*71.96*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	316.66	137.80
		For Work In Restricted Working Space, Add	*68.90*	
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.49*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.24	140.66
		For Work In Restricted Working Space, Add	*70.33*	
		For Seal Class B, Add	*35.17*	
		For Seal Class A, Add	*75.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	290.27	126.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*63.16*	
		For Seal Class B, Add	*31.58*	
		For Seal Class A, Add	*67.37*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	296.86	129.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*64.59*	
		For Seal Class B, Add	*32.30*	
		For Seal Class A, Add	*68.90*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	303.45	132.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*66.03*	
		For Seal Class B, Add	*33.02*	
		For Seal Class A, Add	*70.43*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.07	134.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*67.46*	
		For Seal Class B, Add	*33.73*	
		For Seal Class A, Add	*71.96*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	316.66	137.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*68.90*	
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.49*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.24	140.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*70.33*	
		For Seal Class B, Add	*35.17*	
		For Seal Class A, Add	*75.02*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	329.84	143.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*71.77*	
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.55*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	303.45	132.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*66.03*	
		For Seal Class B, Add	*33.02*	
		For Seal Class A, Add	*70.43*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.07	134.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*67.46*	
		For Seal Class B, Add	*33.73*	
		For Seal Class A, Add	*71.96*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	316.66	137.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*68.90*	
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.49*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.24	140.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*70.33*	
		For Seal Class B, Add	*35.17*	
		For Seal Class A, Add	*75.02*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	329.84	143.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*71.77*	
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.55*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	341.21	149.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*74.64*	
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	347.84	152.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*76.08*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	316.66	137.80
		For Work In Restricted Working Space, Add	*68.90*	
		For Seal Class B, Add	*34.45*	
		For Seal Class A, Add	*73.49*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.24	140.66
		For Work In Restricted Working Space, Add	*70.33*	
		For Seal Class B, Add	*35.17*	
		For Seal Class A, Add	*75.02*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	329.84	143.54
		For Work In Restricted Working Space, Add	*71.77*	
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.55*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.43	146.41
		For Work In Restricted Working Space, Add	*73.21*	
		For Seal Class B, Add	*36.60*	
		For Seal Class A, Add	*78.09*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.05	149.28
		For Work In Restricted Working Space, Add	*74.64*	
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	349.64	152.16
		For Work In Restricted Working Space, Add	*76.08*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.24	155.02
		For Work In Restricted Working Space, Add	*77.51*	
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.68*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	329.84	143.54
		For Work In Restricted Working Space, Add	*71.77*	
		For Seal Class B, Add	*35.88*	
		For Seal Class A, Add	*76.55*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.43	146.41
		For Work In Restricted Working Space, Add	*73.21*	
		For Seal Class B, Add	*36.60*	
		For Seal Class A, Add	*78.09*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.05	149.28
		For Work In Restricted Working Space, Add	*74.64*	
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	349.64	152.16
		For Work In Restricted Working Space, Add	*76.08*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.24	155.02
		For Work In Restricted Working Space, Add	*77.51*	
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.68*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.83	157.90
		For Work In Restricted Working Space, Add	*78.95*	
		For Seal Class B, Add	*39.47*	
		For Seal Class A, Add	*84.21*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	343.05	149.28
		For Work In Restricted Working Space, Add	*74.64*	
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	349.64	152.16
		For Work In Restricted Working Space, Add	*76.08*	
		For Seal Class B, Add	*38.04*	
		For Seal Class A, Add	*81.15*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.24	155.02
		For Work In Restricted Working Space, Add	*77.51*	
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.68*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.83	157.90
		For Work In Restricted Working Space, Add	*78.95*	
		For Seal Class B, Add	*39.47*	
		For Seal Class A, Add	*84.21*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.41	160.76
		For Work In Restricted Working Space, Add	*80.38*	
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.74*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	356.24	155.02
		For Work In Restricted Working Space, Add	*77.51*	
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.68*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	362.83	157.90
		For Work In Restricted Working Space, Add	*78.95*	
		For Seal Class B, Add	*39.47*	
		For Seal Class A, Add	*84.21*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.41	160.76
		For Work In Restricted Working Space, Add	*80.38*	
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.74*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	376.04	163.64
		For Work In Restricted Working Space, Add	*81.82*	
		For Seal Class B, Add	*40.91*	
		For Seal Class A, Add	*87.27*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	382.62	166.50
		For Work In Restricted Working Space, Add	*83.25*	
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.80*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	389.22	169.38
		For Work In Restricted Working Space, Add	*84.69*	
		For Seal Class B, Add	*42.35*	
		For Seal Class A, Add	*90.34*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.41	160.76
		For Work In Restricted Working Space, Add	*80.38*	
		For Seal Class B, Add	*40.19*	
		For Seal Class A, Add	*85.74*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	376.04	163.64
		For Work In Restricted Working Space, Add	*81.82*	
		For Seal Class B, Add	*40.91*	
		For Seal Class A, Add	*87.27*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	382.62	166.50
		For Work In Restricted Working Space, Add	*83.25*	
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.80*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	389.22	169.38
		For Work In Restricted Working Space, Add	*84.69*	
		For Seal Class B, Add	*42.35*	
		For Seal Class A, Add	*90.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.81	172.24
		For Work In Restricted Working Space, Add	*86.12*	
		For Seal Class B, Add	*43.06*	
		For Seal Class A, Add	*91.87*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	382.62	166.50
		For Work In Restricted Working Space, Add	*83.25*	
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.80*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	389.22	169.38
		For Work In Restricted Working Space, Add	*84.69*	
		For Seal Class B, Add	*42.35*	
		For Seal Class A, Add	*90.34*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.81	172.24
		For Work In Restricted Working Space, Add	*86.12*	
		For Seal Class B, Add	*43.06*	
		For Seal Class A, Add	*91.87*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	402.40	175.13
		For Work In Restricted Working Space, Add	*87.56*	
		For Seal Class B, Add	*43.78*	
		For Seal Class A, Add	*93.40*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.02	177.99
		For Work In Restricted Working Space, Add	*89.00*	
		For Seal Class B, Add	*44.50*	
		For Seal Class A, Add	*94.93*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	395.81	172.24
		For Work In Restricted Working Space, Add	*86.12*	
		For Seal Class B, Add	*43.06*	
		For Seal Class A, Add	*91.87*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	402.40	175.13
		For Work In Restricted Working Space, Add	*87.56*	
		For Seal Class B, Add	*43.78*	
		For Seal Class A, Add	*93.40*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.02	177.99
		For Work In Restricted Working Space, Add	*89.00*	
		For Seal Class B, Add	*44.50*	
		For Seal Class A, Add	*94.93*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.60	180.87
		For Work In Restricted Working Space, Add	*90.43*	
		For Seal Class B, Add	*45.21*	
		For Seal Class A, Add	*96.46*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	422.20	183.73
		For Work In Restricted Working Space, Add	*91.87*	
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.99*	
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	409.02	177.99
		For Work In Restricted Working Space, Add	*89.00*	
		For Seal Class B, Add	*44.50*	
		For Seal Class A, Add	*94.93*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.60	180.87
		For Work In Restricted Working Space, Add	*90.43*	
		For Seal Class B, Add	*45.21*	
		For Seal Class A, Add	*96.46*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	422.20	183.73
		For Work In Restricted Working Space, Add	*91.87*	
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	428.79	186.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*93.30*	
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.52*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	435.38	189.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*94.74*	
		For Seal Class B, Add	*47.37*	
		For Seal Class A, Add	*101.05*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	422.20	183.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*91.87*	
		For Seal Class B, Add	*45.93*	
		For Seal Class A, Add	*97.99*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	428.79	186.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*93.30*	
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.52*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	435.38	189.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*94.74*	
		For Seal Class B, Add	*47.37*	
		For Seal Class A, Add	*101.05*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	442.00	192.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*96.17*	
		For Seal Class B, Add	*48.09*	
		For Seal Class A, Add	*102.58*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	435.38	189.47
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*94.74*	
		For Seal Class B, Add	*47.37*	
		For Seal Class A, Add	*101.05*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	442.00	192.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*96.17*	
		For Seal Class B, Add	*48.09*	
		For Seal Class A, Add	*102.58*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	448.59	195.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*97.61*	
		For Seal Class B, Add	*48.80*	
		For Seal Class A, Add	*104.12*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	455.18	198.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*99.04*	
		For Seal Class B, Add	*49.52*	
		For Seal Class A, Add	*105.64*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	448.59	195.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*97.61*	
		For Seal Class B, Add	*48.80*	
		For Seal Class A, Add	*104.12*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	455.18	198.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*99.04*	
		For Seal Class B, Add	*49.52*	
		For Seal Class A, Add	*105.64*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	461.78	200.95
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*100.48*	
		For Seal Class B, Add	*50.24*	
		For Seal Class A, Add	*107.18*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	468.36	203.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*101.91*	
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	461.78	200.95
		For Work In Restricted Working Space, Add	*100.48*	
		For Seal Class B, Add	*50.24*	
		For Seal Class A, Add	*107.18*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	468.36	203.83
		For Work In Restricted Working Space, Add	*101.91*	
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.71*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	474.99	206.70
		For Work In Restricted Working Space, Add	*103.35*	
		For Seal Class B, Add	*51.68*	
		For Seal Class A, Add	*110.24*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	481.58	209.57
		For Work In Restricted Working Space, Add	*104.78*	
		For Seal Class B, Add	*52.39*	
		For Seal Class A, Add	*111.77*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	488.17	212.44
		For Work In Restricted Working Space, Add	*106.22*	
		For Seal Class B, Add	*53.11*	
		For Seal Class A, Add	*113.30*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	494.76	215.31
		For Work In Restricted Working Space, Add	*107.66*	
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	501.36	218.18
		For Work In Restricted Working Space, Add	*109.09*	
		For Seal Class B, Add	*54.55*	
		For Seal Class A, Add	*116.36*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	507.98	221.05
		For Work In Restricted Working Space, Add	*110.53*	
		For Seal Class B, Add	*55.26*	
		For Seal Class A, Add	*117.90*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.56	223.92
		For Work In Restricted Working Space, Add	*111.96*	
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.42*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	474.99	206.70
		For Work In Restricted Working Space, Add	*103.35*	
		For Seal Class B, Add	*51.68*	
		For Seal Class A, Add	*110.24*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	481.58	209.57
		For Work In Restricted Working Space, Add	*104.78*	
		For Seal Class B, Add	*52.39*	
		For Seal Class A, Add	*111.77*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	488.17	212.44
		For Work In Restricted Working Space, Add	*106.22*	
		For Seal Class B, Add	*53.11*	
		For Seal Class A, Add	*113.30*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	494.76	215.31
		For Work In Restricted Working Space, Add	*107.66*	
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	501.36	218.18
		For Work In Restricted Working Space, Add	*109.09*	
		For Seal Class B, Add	*54.55*	
		For Seal Class A, Add	*116.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	507.98	221.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*110.53*	
		For Seal Class B, Add	*55.26*	
		For Seal Class A, Add	*117.90*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	514.56	223.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*111.96*	
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.42*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	521.15	226.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*113.40*	
		For Seal Class B, Add	*56.70*	
		For Seal Class A, Add	*120.96*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	488.17	212.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*106.22*	
		For Seal Class B, Add	*53.11*	
		For Seal Class A, Add	*113.30*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	494.76	215.31
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*107.66*	
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	501.36	218.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*109.09*	
		For Seal Class B, Add	*54.55*	
		For Seal Class A, Add	*116.36*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	507.98	221.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*110.53*	
		For Seal Class B, Add	*55.26*	
		For Seal Class A, Add	*117.90*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	514.56	223.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*111.96*	
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.42*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	521.15	226.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*113.40*	
		For Seal Class B, Add	*56.70*	
		For Seal Class A, Add	*120.96*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	527.74	229.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*114.83*	
		For Seal Class B, Add	*57.42*	
		For Seal Class A, Add	*122.49*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	501.36	218.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*109.09*	
		For Seal Class B, Add	*54.55*	
		For Seal Class A, Add	*116.36*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	507.98	221.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*110.53*	
		For Seal Class B, Add	*55.26*	
		For Seal Class A, Add	*117.90*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	514.56	223.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*111.96*	
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.42*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	521.15	226.79
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Work In Restricted Working Space, Add	*113.40*	
		For Seal Class B, Add	*56.70*	
		For Seal Class A, Add	*120.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	527.74	229.67
		For Work In Restricted Working Space, Add	*114.83*	
		For Seal Class B, Add	*57.42*	
		For Seal Class A, Add	*122.49*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	534.34	232.53
		For Work In Restricted Working Space, Add	*116.27*	
		For Seal Class B, Add	*58.13*	
		For Seal Class A, Add	*124.02*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.56	223.92
		For Work In Restricted Working Space, Add	*111.96*	
		For Seal Class B, Add	*55.98*	
		For Seal Class A, Add	*119.42*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	521.15	226.79
		For Work In Restricted Working Space, Add	*113.40*	
		For Seal Class B, Add	*56.70*	
		For Seal Class A, Add	*120.96*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	527.74	229.67
		For Work In Restricted Working Space, Add	*114.83*	
		For Seal Class B, Add	*57.42*	
		For Seal Class A, Add	*122.49*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	534.34	232.53
		For Work In Restricted Working Space, Add	*116.27*	
		For Seal Class B, Add	*58.13*	
		For Seal Class A, Add	*124.02*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	540.95	235.41
		For Work In Restricted Working Space, Add	*117.70*	
		For Seal Class B, Add	*58.85*	
		For Seal Class A, Add	*125.55*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	527.74	229.67
		For Work In Restricted Working Space, Add	*114.83*	
		For Seal Class B, Add	*57.42*	
		For Seal Class A, Add	*122.49*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	534.34	232.53
		For Work In Restricted Working Space, Add	*116.27*	
		For Seal Class B, Add	*58.13*	
		For Seal Class A, Add	*124.02*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	540.95	235.41
		For Work In Restricted Working Space, Add	*117.70*	
		For Seal Class B, Add	*58.85*	
		For Seal Class A, Add	*125.55*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	552.34	241.15
		For Work In Restricted Working Space, Add	*120.58*	
		For Seal Class B, Add	*60.29*	
		For Seal Class A, Add	*128.61*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	540.95	235.41
		For Work In Restricted Working Space, Add	*117.70*	
		For Seal Class B, Add	*58.85*	
		For Seal Class A, Add	*125.55*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	547.55	238.28
		For Work In Restricted Working Space, Add	*119.14*	
		For Seal Class B, Add	*59.57*	
		For Seal Class A, Add	*127.08*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	554.14	241.15
		For Work In Restricted Working Space, Add	*120.58*	
		For Seal Class B, Add	*60.29*	
		For Seal Class A, Add	*128.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	554.14	241.15
		For Work In Restricted Working Space, Add	*120.58*	
		For Seal Class B, Add	*60.29*	
		For Seal Class A, Add	*128.61*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	560.73	244.02
		For Work In Restricted Working Space, Add	*122.01*	
		For Seal Class B, Add	*61.01*	
		For Seal Class A, Add	*130.14*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	567.32	246.89
		For Work In Restricted Working Space, Add	*123.44*	
		For Seal Class B, Add	*61.72*	
		For Seal Class A, Add	*131.67*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	5.51	1.46
		For Seal Class B, Add	*0.45*	
		For Seal Class A, Add	*1.19*	
		For Up To 20', Add	*0.76*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.19*	
		For >500', Deduct	*-0.32*	
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.70*	
		For 20 Gauge, Add	*1.05*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.87*	
		For Work In Restricted Working Space, Add	*0.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.49*	
		For Elevated Installation >40' Above Floor, Add	*1.64*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	6.51	1.65
		For Seal Class B, Add	*0.50*	
		For Seal Class A, Add	*1.32*	
		For Up To 20', Add	*0.96*	
		For >20' To 50', Add	*0.38*	
		For >200' To 500', Deduct	*-0.24*	
		For >500', Deduct	*-0.40*	
		For 28 Gauge, Deduct	*-0.44*	
		For 24 Gauge, Add	*0.44*	
		For 22 Gauge, Add	*0.88*	
		For 20 Gauge, Add	*1.32*	
		For 18 Gauge, Add	*1.76*	
		For 16 Gauge, Add	*2.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.37*	
		For Work In Restricted Working Space, Add	*0.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.66*	
		For Elevated Installation >40' Above Floor, Add	*1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	7.41	1.99
		For Seal Class B, Add	*0.56*	
		For Seal Class A, Add	*1.49*	
		For Up To 20', Add	*1.11*	
		For >20' To 50', Add	*0.44*	
		For >200' To 500', Deduct	*-0.28*	
		For >500', Deduct	*-0.46*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.53*	
		For 18 Gauge, Add	*2.03*	
		For 16 Gauge, Add	*2.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.73*	
		For Work In Restricted Working Space, Add	*1.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.86*	
		For Elevated Installation >40' Above Floor, Add	*2.05*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.23	2.31
		For Seal Class B, Add	*0.64*	
		For Seal Class A, Add	*1.70*	
		For Up To 20', Add	*1.19*	
		For >20' To 50', Add	*0.48*	
		For >200' To 500', Deduct	*-0.30*	
		For >500', Deduct	*-0.50*	
		For 28 Gauge, Deduct	*-0.55*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.10*	
		For 20 Gauge, Add	*1.65*	
		For 18 Gauge, Add	*2.19*	
		For 16 Gauge, Add	*2.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Work In Restricted Working Space, Add	*1.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.13*	
		For Elevated Installation >40' Above Floor, Add	*2.34*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.24	2.65
		For Seal Class B, Add	*0.74*	
		For Seal Class A, Add	*1.98*	
		For Up To 20', Add	*1.28*	
		For >20' To 50', Add	*0.51*	
		For >200' To 500', Deduct	*-0.32*	
		For >500', Deduct	*-0.54*	
		For 28 Gauge, Deduct	*-0.59*	
		For 24 Gauge, Add	*0.59*	
		For 22 Gauge, Add	*1.18*	
		For 20 Gauge, Add	*1.77*	
		For 18 Gauge, Add	*2.35*	
		For 16 Gauge, Add	*2.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*1.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.48*	
		For Elevated Installation >40' Above Floor, Add	*2.73*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.17	3.30
		For Seal Class B, Add	*0.89*	
		For Seal Class A, Add	*2.38*	
		For Up To 20', Add	*1.87*	
		For >20' To 50', Add	*0.75*	
		For >200' To 500', Deduct	*-0.47*	
		For >500', Deduct	*-0.78*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.58*	
		For 18 Gauge, Add	*3.42*	
		For 16 Gauge, Add	*4.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.60*	
		For Work In Restricted Working Space, Add	*1.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.98*	
		For Elevated Installation >40' Above Floor, Add	*3.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	14.72	4.43
		For Seal Class B, Add	*1.12*	
		For Seal Class A, Add	*2.98*	
		For Up To 20', Add	*2.18*	
		For >20' To 50', Add	*0.87*	
		For >200' To 500', Deduct	*-0.55*	
		For >500', Deduct	*-0.91*	
		For 28 Gauge, Deduct	*-1.01*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*2.01*	
		For 20 Gauge, Add	*3.01*	
		For 18 Gauge, Add	*4.00*	
		For 16 Gauge, Add	*4.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.39*	
		For Work In Restricted Working Space, Add	*2.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.72*	
		For Elevated Installation >40' Above Floor, Add	*4.09*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	17.56	6.61
		For Seal Class B, Add	*1.40*	
		For Seal Class A, Add	*3.72*	
		For Up To 20', Add	*2.48*	
		For >20' To 50', Add	*0.99*	
		For >200' To 500', Deduct	*-0.62*	
		For >500', Deduct	*-1.03*	
		For 28 Gauge, Deduct	*-1.14*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.54*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.11*	
		For Work In Restricted Working Space, Add	*2.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.65*	
		For Elevated Installation >40' Above Floor, Add	*5.12*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	23.75	8.87
		For Seal Class B, Add	*1.86*	
		For Seal Class A, Add	*4.96*	
		For Up To 20', Add	*3.41*	
		For >20' To 50', Add	*1.36*	
		For >200' To 500', Deduct	*-0.85*	
		For >500', Deduct	*-1.42*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.13*	
		For 20 Gauge, Add	*4.70*	
		For 18 Gauge, Add	*6.24*	
		For 16 Gauge, Add	*7.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.40*	
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.20*	
		For Elevated Installation >40' Above Floor, Add	*6.82*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	36.82	10.65
		For Seal Class B, Add	*2.23*	
		For Seal Class A, Add	*5.95*	
		For Up To 20', Add	*6.58*	
		For >20' To 50', Add	*2.63*	
		For >200' To 500', Deduct	*-1.65*	
		For >500', Deduct	*-2.74*	
		For 28 Gauge, Deduct	*-3.04*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.04*	
		For 20 Gauge, Add	*9.08*	
		For 18 Gauge, Add	*12.07*	
		For 16 Gauge, Add	*14.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.24*	
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.44*	
		For Elevated Installation >40' Above Floor, Add	*8.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	41.68	12.30
		For Seal Class B, Add	*2.58*	
		For Seal Class A, Add	*6.88*	
		For Up To 20', Add	*7.35*	
		For >20' To 50', Add	*2.94*	
		For >200' To 500', Deduct	*-1.84*	
		For >500', Deduct	*-3.06*	
		For 28 Gauge, Deduct	*-3.39*	
		For 24 Gauge, Add	*3.38*	
		For 22 Gauge, Add	*6.75*	
		For 20 Gauge, Add	*10.14*	
		For 18 Gauge, Add	*13.47*	
		For 16 Gauge, Add	*16.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.12*	
		For Work In Restricted Working Space, Add	*5.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.60*	
		For Elevated Installation >40' Above Floor, Add	*9.45*	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	24.89	8.83
		For Seal Class B, Add	*2.65*	
		For Seal Class A, Add	*7.06*	
		For 28 Gauge, Deduct	*-1.00*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*1.99*	
		For 20 Gauge, Add	*2.99*	
		For 18 Gauge, Add	*3.98*	
		For 16 Gauge, Add	*4.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.35*	
		For Work In Restricted Working Space, Add	*5.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.83*	
		For Elevated Installation >40' Above Floor, Add	*9.71*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	28.24	10.18
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*8.15*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.26*	
		For 18 Gauge, Add	*4.33*	
		For 16 Gauge, Add	*5.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.82*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.19*	
		For Elevated Installation >40' Above Floor, Add	*11.20*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	32.92	12.04
		For Seal Class B, Add	*3.61*	
		For Seal Class A, Add	*9.63*	
		For 28 Gauge, Deduct	*-1.23*	
		For 24 Gauge, Add	*1.22*	
		For 22 Gauge, Add	*2.44*	
		For 20 Gauge, Add	*3.66*	
		For 18 Gauge, Add	*4.87*	
		For 16 Gauge, Add	*5.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.55*	
		For Work In Restricted Working Space, Add	*7.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.04*	
		For Elevated Installation >40' Above Floor, Add	*13.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	41.82	15.48
		For Seal Class B, Add	*4.64*	
		For Seal Class A, Add	*12.38*	
		For 28 Gauge, Deduct	*-1.51*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.99*	
		For 20 Gauge, Add	*4.50*	
		For 18 Gauge, Add	*5.98*	
		For 16 Gauge, Add	*7.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.04*	
		For Work In Restricted Working Space, Add	*9.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.48*	
		For Elevated Installation >40' Above Floor, Add	*17.02*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	49.45	18.85
		For Seal Class B, Add	*5.66*	
		For Seal Class A, Add	*15.08*	
		For 28 Gauge, Deduct	*-1.63*	
		For 24 Gauge, Add	*1.62*	
		For 22 Gauge, Add	*3.24*	
		For 20 Gauge, Add	*4.86*	
		For 18 Gauge, Add	*6.46*	
		For 16 Gauge, Add	*7.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.70*	
		For Work In Restricted Working Space, Add	*11.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.85*	
		For Elevated Installation >40' Above Floor, Add	*20.74*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	74.37	29.43
		For Seal Class B, Add	*8.83*	
		For Seal Class A, Add	*23.55*	
		For 28 Gauge, Deduct	*-2.15*	
		For 24 Gauge, Add	*2.14*	
		For 22 Gauge, Add	*4.27*	
		For 20 Gauge, Add	*6.42*	
		For 18 Gauge, Add	*8.53*	
		For 16 Gauge, Add	*10.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.47*	
		For Work In Restricted Working Space, Add	*17.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.44*	
		For Elevated Installation >40' Above Floor, Add	*32.38*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	102.35	40.67
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*32.54*	
		For 28 Gauge, Deduct	*-2.91*	
		For 24 Gauge, Add	*2.90*	
		For 22 Gauge, Add	*5.79*	
		For 20 Gauge, Add	*8.69*	
		For 18 Gauge, Add	*11.55*	
		For 16 Gauge, Add	*14.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.54*	
		For Work In Restricted Working Space, Add	*24.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.68*	
		For Elevated Installation >40' Above Floor, Add	*44.74*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	128.43	48.11
		For Seal Class B, Add	*14.44*	
		For Seal Class A, Add	*38.50*	
		For 28 Gauge, Deduct	*-4.46*	
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*8.87*	
		For 20 Gauge, Add	*13.33*	
		For 18 Gauge, Add	*17.70*	
		For 16 Gauge, Add	*21.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.82*	
		For Work In Restricted Working Space, Add	*28.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.12*	
		For Elevated Installation >40' Above Floor, Add	*52.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	151.97	52.91
		For Seal Class B, Add	*15.87*	
		For Seal Class A, Add	*42.33*	
		For 28 Gauge, Deduct	*-6.39*	
		For 24 Gauge, Add	*6.37*	
		For 22 Gauge, Add	*12.71*	
		For 20 Gauge, Add	*19.10*	
		For 18 Gauge, Add	*25.38*	
		For 16 Gauge, Add	*31.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Work In Restricted Working Space, Add	*31.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*52.92*	
		For Elevated Installation >40' Above Floor, Add	*58.21*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	179.20	55.06
		For Seal Class B, Add	*16.52*	
		For Seal Class A, Add	*44.05*	
		For 28 Gauge, Deduct	*-9.57*	
		For 24 Gauge, Add	*9.53*	
		For 22 Gauge, Add	*19.03*	
		For 20 Gauge, Add	*28.60*	
		For 18 Gauge, Add	*37.99*	
		For 16 Gauge, Add	*46.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.12*	
		For Work In Restricted Working Space, Add	*33.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.06*	
		For Elevated Installation >40' Above Floor, Add	*60.57*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	205.86	56.88
		For Seal Class B, Add	*17.06*	
		For Seal Class A, Add	*45.50*	
		For 28 Gauge, Deduct	*-12.76*	
		For 24 Gauge, Add	*12.71*	
		For 22 Gauge, Add	*25.37*	
		For 20 Gauge, Add	*38.13*	
		For 18 Gauge, Add	*50.66*	
		For 16 Gauge, Add	*62.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.15*	
		For Work In Restricted Working Space, Add	*34.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*56.88*	
		For Elevated Installation >40' Above Floor, Add	*62.57*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	20.96	5.95
		For Seal Class B, Add	*2.23*	
		For Seal Class A, Add	*5.95*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.84*	
		For 22 Gauge, Add	*1.68*	
		For 20 Gauge, Add	*2.52*	
		For 18 Gauge, Add	*3.34*	
		For 16 Gauge, Add	*4.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.50*	
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.44*	
		For Elevated Installation >40' Above Floor, Add	*8.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	23.94	6.81
		For Seal Class B, Add	*2.55*	
		For Seal Class A, Add	*6.80*	
		For 28 Gauge, Deduct	*-0.96*	
		For 24 Gauge, Add	*0.96*	
		For 22 Gauge, Add	*1.91*	
		For 20 Gauge, Add	*2.87*	
		For 18 Gauge, Add	*3.81*	
		For 16 Gauge, Add	*4.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.13*	
		For Work In Restricted Working Space, Add	*5.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.51*	
		For Elevated Installation >40' Above Floor, Add	*9.36*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	27.73	7.94
		For Seal Class B, Add	*2.98*	
		For Seal Class A, Add	*7.94*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.27*	
		For 18 Gauge, Add	*4.34*	
		For 16 Gauge, Add	*5.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.84*	
		For Work In Restricted Working Space, Add	*5.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.92*	
		For Elevated Installation >40' Above Floor, Add	*10.91*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	32.17	9.53
		For Seal Class B, Add	*3.57*	
		For Seal Class A, Add	*9.52*	
		For 28 Gauge, Deduct	*-1.16*	
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.30*	
		For 20 Gauge, Add	*3.46*	
		For 18 Gauge, Add	*4.60*	
		For 16 Gauge, Add	*5.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.19*	
		For Work In Restricted Working Space, Add	*7.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.91*	
		For Elevated Installation >40' Above Floor, Add	*13.10*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.46	11.90
		For Seal Class B, Add	*4.46*	
		For Seal Class A, Add	*11.90*	
		For 28 Gauge, Deduct	*-1.34*	
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*2.67*	
		For 20 Gauge, Add	*4.02*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.18*	
		For Work In Restricted Working Space, Add	*8.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.88*	
		For Elevated Installation >40' Above Floor, Add	*16.37*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	53.55	15.88
		For Seal Class B, Add	*5.95*	
		For Seal Class A, Add	*15.88*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Work In Restricted Working Space, Add	*11.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.85*	
		For Elevated Installation >40' Above Floor, Add	*21.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	77.87	23.81
		For Seal Class B, Add	*8.93*	
		For Seal Class A, Add	*23.81*	
		For 28 Gauge, Deduct	*-2.54*	
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.05*	
		For 20 Gauge, Add	*7.59*	
		For 18 Gauge, Add	*10.09*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.57*	
		For Work In Restricted Working Space, Add	*17.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.77*	
		For Elevated Installation >40' Above Floor, Add	*32.74*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	110.39	30.42
		For Seal Class B, Add	*11.41*	
		For Seal Class A, Add	*30.42*	
		For 28 Gauge, Deduct	*-4.75*	
		For 24 Gauge, Add	*4.74*	
		For 22 Gauge, Add	*9.46*	
		For 20 Gauge, Add	*14.21*	
		For 18 Gauge, Add	*18.88*	
		For 16 Gauge, Add	*23.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.40*	
		For Work In Restricted Working Space, Add	*22.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.03*	
		For Elevated Installation >40' Above Floor, Add	*41.83*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	137.90	38.36
		For Seal Class B, Add	*14.39*	
		For Seal Class A, Add	*38.36*	
		For 28 Gauge, Deduct	*-5.82*	
		For 24 Gauge, Add	*5.80*	
		For 22 Gauge, Add	*11.57*	
		For 20 Gauge, Add	*17.39*	
		For 18 Gauge, Add	*23.10*	
		For 16 Gauge, Add	*28.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.08*	
		For Work In Restricted Working Space, Add	*28.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.95*	
		For Elevated Installation >40' Above Floor, Add	*52.75*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	165.12	40.01
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*39.95*	
		For 28 Gauge, Deduct	*-9.04*	
		For 24 Gauge, Add	*9.00*	
		For 22 Gauge, Add	*17.97*	
		For 20 Gauge, Add	*27.01*	
		For 18 Gauge, Add	*35.88*	
		For 16 Gauge, Add	*44.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*48.28*	
		For Work In Restricted Working Space, Add	*29.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.94*	
		For Elevated Installation >40' Above Floor, Add	*54.93*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	189.51	41.01
		For Seal Class B, Add	*15.38*	
		For Seal Class A, Add	*41.01*	
		For 28 Gauge, Deduct	*-12.05*	
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*23.97*	
		For 20 Gauge, Add	*36.01*	
		For 18 Gauge, Add	*47.84*	
		For 16 Gauge, Add	*58.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.37*	
		For Work In Restricted Working Space, Add	*30.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.26*	
		For Elevated Installation >40' Above Floor, Add	*56.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0038		Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*		
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	18.70	5.95
		For Seal Class B, Add	*2.23*	
		For Seal Class A, Add	*5.95*	
		For 28 Gauge, Deduct	*-0.53*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.05*	
		For 20 Gauge, Add	*1.58*	
		For 18 Gauge, Add	*2.10*	
		For 16 Gauge, Add	*2.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.83*	
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.44*	
		For Elevated Installation >40' Above Floor, Add	*8.18*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	21.91	6.81
		For Seal Class B, Add	*2.55*	
		For Seal Class A, Add	*6.80*	
		For 28 Gauge, Deduct	*-0.68*	
		For 24 Gauge, Add	*0.68*	
		For 22 Gauge, Add	*1.35*	
		For 20 Gauge, Add	*2.03*	
		For 18 Gauge, Add	*2.70*	
		For 16 Gauge, Add	*3.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.63*	
		For Work In Restricted Working Space, Add	*5.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.51*	
		For Elevated Installation >40' Above Floor, Add	*9.36*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	25.19	7.94
		For Seal Class B, Add	*2.98*	
		For Seal Class A, Add	*7.94*	
		For 28 Gauge, Deduct	*-0.74*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.47*	
		For 20 Gauge, Add	*2.21*	
		For 18 Gauge, Add	*2.94*	
		For 16 Gauge, Add	*3.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.96*	
		For Work In Restricted Working Space, Add	*5.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.92*	
		For Elevated Installation >40' Above Floor, Add	*10.91*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	30.01	9.53
		For Seal Class B, Add	*3.57*	
		For Seal Class A, Add	*9.52*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.41*	
		For 16 Gauge, Add	*4.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Work In Restricted Working Space, Add	*7.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.91*	
		For Elevated Installation >40' Above Floor, Add	*13.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	36.82	11.90
		For Seal Class B, Add	*4.46*	
		For Seal Class A, Add	*11.90*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.92*	
		For 18 Gauge, Add	*3.88*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.22*	
		For Work In Restricted Working Space, Add	*8.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.88*	
		For Elevated Installation >40' Above Floor, Add	*16.37*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	50.46	15.88
		For Seal Class B, Add	*5.95*	
		For Seal Class A, Add	*15.88*	
		For 28 Gauge, Deduct	*-1.49*	
		For 24 Gauge, Add	*1.49*	
		For 22 Gauge, Add	*2.97*	
		For 20 Gauge, Add	*4.46*	
		For 18 Gauge, Add	*5.92*	
		For 16 Gauge, Add	*7.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.97*	
		For Work In Restricted Working Space, Add	*11.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.85*	
		For Elevated Installation >40' Above Floor, Add	*21.83*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	73.39	23.81
		For Seal Class B, Add	*8.93*	
		For Seal Class A, Add	*23.81*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Work In Restricted Working Space, Add	*17.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.77*	
		For Elevated Installation >40' Above Floor, Add	*32.74*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	100.04	30.42
		For Seal Class B, Add	*11.41*	
		For Seal Class A, Add	*30.42*	
		For 28 Gauge, Deduct	*-3.32*	
		For 24 Gauge, Add	*3.31*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*9.93*	
		For 18 Gauge, Add	*13.19*	
		For 16 Gauge, Add	*16.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.75*	
		For Work In Restricted Working Space, Add	*22.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.03*	
		For Elevated Installation >40' Above Floor, Add	*41.83*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	135.24	38.36
		For Seal Class B, Add	*14.39*	
		For Seal Class A, Add	*38.36*	
		For 28 Gauge, Deduct	*-5.45*	
		For 24 Gauge, Add	*5.43*	
		For 22 Gauge, Add	*10.84*	
		For 20 Gauge, Add	*16.29*	
		For 18 Gauge, Add	*21.64*	
		For 16 Gauge, Add	*26.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.11*	
		For Work In Restricted Working Space, Add	*28.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.95*	
		For Elevated Installation >40' Above Floor, Add	*52.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	147.42	40.01
		For Seal Class B, Add	*14.98*	
		For Seal Class A, Add	*39.95*	
		For 28 Gauge, Deduct	*-6.58*	
		For 24 Gauge, Add	*6.56*	
		For 22 Gauge, Add	*13.10*	
		For 20 Gauge, Add	*19.68*	
		For 18 Gauge, Add	*26.15*	
		For 16 Gauge, Add	*32.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.18*	
		For Work In Restricted Working Space, Add	*29.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.94*	
		For Elevated Installation >40' Above Floor, Add	*54.93*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	163.43	41.01
		For Seal Class B, Add	*15.38*	
		For Seal Class A, Add	*41.01*	
		For 28 Gauge, Deduct	*-8.44*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*16.78*	
		For 20 Gauge, Add	*25.22*	
		For 18 Gauge, Add	*33.50*	
		For 16 Gauge, Add	*41.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.07*	
		For Work In Restricted Working Space, Add	*30.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.26*	
		For Elevated Installation >40' Above Floor, Add	*56.39*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	30.83	8.93
		For Seal Class B, Add	*3.35*	
		For Seal Class A, Add	*8.93*	
		For 28 Gauge, Deduct	*-1.18*	
		For 24 Gauge, Add	*1.17*	
		For 22 Gauge, Add	*2.34*	
		For 20 Gauge, Add	*3.52*	
		For 18 Gauge, Add	*4.68*	
		For 16 Gauge, Add	*5.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Work In Restricted Working Space, Add	*6.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.16*	
		For Elevated Installation >40' Above Floor, Add	*12.28*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	36.81	10.18
		For Seal Class B, Add	*3.83*	
		For Seal Class A, Add	*10.20*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.56*	
		For 22 Gauge, Add	*3.11*	
		For 20 Gauge, Add	*4.68*	
		For 18 Gauge, Add	*6.22*	
		For 16 Gauge, Add	*7.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.36*	
		For Work In Restricted Working Space, Add	*7.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.76*	
		For Elevated Installation >40' Above Floor, Add	*14.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	42.02	11.90
		For Seal Class B, Add	*4.46*	
		For Seal Class A, Add	*11.90*	
		For 28 Gauge, Deduct	*-1.70*	
		For 24 Gauge, Add	*1.69*	
		For 22 Gauge, Add	*3.38*	
		For 20 Gauge, Add	*5.08*	
		For 18 Gauge, Add	*6.74*	
		For 16 Gauge, Add	*8.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.07*	
		For Work In Restricted Working Space, Add	*8.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.88*	
		For Elevated Installation >40' Above Floor, Add	*16.37*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	49.82	14.29
		For Seal Class B, Add	*5.36*	
		For Seal Class A, Add	*14.28*	
		For 28 Gauge, Deduct	*-1.95*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.89*	
		For 20 Gauge, Add	*5.84*	
		For 18 Gauge, Add	*7.76*	
		For 16 Gauge, Add	*9.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.44*	
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.86*	
		For Elevated Installation >40' Above Floor, Add	*19.64*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	67.46	17.86
		For Seal Class B, Add	*6.70*	
		For Seal Class A, Add	*17.86*	
		For 28 Gauge, Deduct	*-3.16*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*6.28*	
		For 20 Gauge, Add	*9.44*	
		For 18 Gauge, Add	*12.55*	
		For 16 Gauge, Add	*15.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.88*	
		For Work In Restricted Working Space, Add	*13.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.33*	
		For Elevated Installation >40' Above Floor, Add	*24.56*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	88.63	23.81
		For Seal Class B, Add	*8.93*	
		For Seal Class A, Add	*23.81*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Work In Restricted Working Space, Add	*17.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.77*	
		For Elevated Installation >40' Above Floor, Add	*32.74*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	118.37	35.71
		For Seal Class B, Add	*13.39*	
		For Seal Class A, Add	*35.71*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Work In Restricted Working Space, Add	*26.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.64*	
		For Elevated Installation >40' Above Floor, Add	*49.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	169.46	45.50
		For Seal Class B, Add	*17.10*	
		For Seal Class A, Add	*45.61*	
		For 28 Gauge, Deduct	*-7.68*	
		For 24 Gauge, Add	*7.65*	
		For 22 Gauge, Add	*15.27*	
		For 20 Gauge, Add	*22.95*	
		For 18 Gauge, Add	*30.49*	
		For 16 Gauge, Add	*37.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.02*	
		For Work In Restricted Working Space, Add	*34.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*57.02*	
		For Elevated Installation >40' Above Floor, Add	*62.72*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	221.60	57.67
		For Seal Class B, Add	*21.57*	
		For Seal Class A, Add	*57.51*	
		For 28 Gauge, Deduct	*-10.78*	
		For 24 Gauge, Add	*10.74*	
		For 22 Gauge, Add	*21.44*	
		For 20 Gauge, Add	*32.22*	
		For 18 Gauge, Add	*42.80*	
		For 16 Gauge, Add	*52.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.59*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.89*	
		For Elevated Installation >40' Above Floor, Add	*79.08*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	259.86	64.16
		For Seal Class B, Add	*24.11*	
		For Seal Class A, Add	*64.29*	
		For 28 Gauge, Deduct	*-13.73*	
		For 24 Gauge, Add	*13.68*	
		For 22 Gauge, Add	*27.31*	
		For 20 Gauge, Add	*41.04*	
		For 18 Gauge, Add	*54.53*	
		For 16 Gauge, Add	*66.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.36*	
		For Work In Restricted Working Space, Add	*48.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*56.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*64.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*80.36*	
		For Elevated Installation >40' Above Floor, Add	*88.40*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	276.02	66.47
		For Seal Class B, Add	*24.90*	
		For Seal Class A, Add	*66.40*	
		For 28 Gauge, Deduct	*-15.24*	
		For 24 Gauge, Add	*15.18*	
		For 22 Gauge, Add	*30.31*	
		For 20 Gauge, Add	*45.54*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*74.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.41*	
		For Work In Restricted Working Space, Add	*49.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*33.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*58.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*66.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*83.01*	
		For Elevated Installation >40' Above Floor, Add	*91.31*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	13.44	
		For Seal Class B, Add	*1.59*	
		For Seal Class A, Add	*4.23*	
		For Work In Restricted Working Space, Add	*3.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.29*	
		For Elevated Installation >40' Above Floor, Add	*5.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	14.19	
		For Seal Class B, Add	*1.67*	
		For Seal Class A, Add	*4.45*	
		For Work In Restricted Working Space, Add	*3.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.56*	
		For Elevated Installation >40' Above Floor, Add	*6.12*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	15.20	
		For Seal Class B, Add	*1.79*	
		For Seal Class A, Add	*4.76*	
		For Work In Restricted Working Space, Add	*3.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.95*	
		For Elevated Installation >40' Above Floor, Add	*6.55*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	16.34	
		For Seal Class B, Add	*1.89*	
		For Seal Class A, Add	*5.03*	
		For Work In Restricted Working Space, Add	*3.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.29*	
		For Elevated Installation >40' Above Floor, Add	*6.91*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	17.81	
		For Seal Class B, Add	*2.03*	
		For Seal Class A, Add	*5.42*	
		For Work In Restricted Working Space, Add	*4.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.78*	
		For Elevated Installation >40' Above Floor, Add	*7.45*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	21.86	
		For Seal Class B, Add	*2.27*	
		For Seal Class A, Add	*6.06*	
		For Work In Restricted Working Space, Add	*4.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.57*	
		For Elevated Installation >40' Above Floor, Add	*8.33*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	29.27	
		For Seal Class B, Add	*3.18*	
		For Seal Class A, Add	*8.47*	
		For Work In Restricted Working Space, Add	*6.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.59*	
		For Elevated Installation >40' Above Floor, Add	*11.64*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	33.50	
		For Seal Class B, Add	*3.61*	
		For Seal Class A, Add	*9.63*	
		For Work In Restricted Working Space, Add	*7.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.04*	
		For Elevated Installation >40' Above Floor, Add	*13.24*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	36.95	
		For Seal Class B, Add	*3.96*	
		For Seal Class A, Add	*10.56*	
		For Work In Restricted Working Space, Add	*7.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.20*	
		For Elevated Installation >40' Above Floor, Add	*14.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	40.37	
		For Seal Class B, Add	*4.29*	
		For Seal Class A, Add	*11.43*	
		For Work In Restricted Working Space, Add	*8.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.29*	
		For Elevated Installation >40' Above Floor, Add	*15.72*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	43.95	
		For Seal Class B, Add	*4.67*	
		For Seal Class A, Add	*12.46*	
		For Work In Restricted Working Space, Add	*9.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.58*	
		For Elevated Installation >40' Above Floor, Add	*17.14*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	7.92	0.61
		For Seal Class B, Add	*0.49*	
		For Seal Class A, Add	*1.31*	
		For Up To 20', Add	*1.39*	
		For >20' To 50', Add	*0.56*	
		For >200' To 500', Deduct	*-0.35*	
		For >500', Deduct	*-0.58*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*2.13*	
		For 20 Gauge, Add	*3.48*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.43*	
		For Work In Restricted Working Space, Add	*0.98*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	10.65	1.22
		For Seal Class B, Add	*0.59*	
		For Seal Class A, Add	*1.58*	
		For Up To 20', Add	*2.01*	
		For >20' To 50', Add	*0.81*	
		For >200' To 500', Deduct	*-0.50*	
		For >500', Deduct	*-0.84*	
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*3.09*	
		For 20 Gauge, Add	*5.03*	
		For 18 Gauge, Add	*7.72*	
		For 16 Gauge, Add	*9.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.97*	
		For Work In Restricted Working Space, Add	*1.18*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	13.73	1.22
		For Seal Class B, Add	*0.73*	
		For Seal Class A, Add	*1.96*	
		For Up To 20', Add	*2.65*	
		For >20' To 50', Add	*1.06*	
		For >200' To 500', Deduct	*-0.66*	
		For >500', Deduct	*-1.11*	
		For 24 Gauge, Add	*1.77*	
		For 22 Gauge, Add	*4.07*	
		For 20 Gauge, Add	*6.63*	
		For 18 Gauge, Add	*10.17*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.54*	
		For Work In Restricted Working Space, Add	*1.47*	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	16.79	1.22
		For Seal Class B, Add	*0.88*	
		For Seal Class A, Add	*2.35*	
		For Up To 20', Add	*3.28*	
		For >20' To 50', Add	*1.31*	
		For >200' To 500', Deduct	*-0.82*	
		For >500', Deduct	*-1.37*	
		For 24 Gauge, Add	*2.18*	
		For 22 Gauge, Add	*5.02*	
		For 20 Gauge, Add	*8.19*	
		For 18 Gauge, Add	*12.56*	
		For 16 Gauge, Add	*15.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.08*	
		For Work In Restricted Working Space, Add	*1.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	20.77	1.84
		For Seal Class B, Add	*1.10*	
		For Seal Class A, Add	*2.94*	
		For Up To 20', Add	*4.03*	
		For >20' To 50', Add	*1.61*	
		For >200' To 500', Deduct	*-1.01*	
		For >500', Deduct	*-1.68*	
		For 24 Gauge, Add	*2.69*	
		For 22 Gauge, Add	*6.18*	
		For 20 Gauge, Add	*10.07*	
		For 18 Gauge, Add	*15.44*	
		For 16 Gauge, Add	*18.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.94*	
		For Work In Restricted Working Space, Add	*2.20*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	24.73	1.84
		For Seal Class B, Add	*1.38*	
		For Seal Class A, Add	*3.67*	
		For Up To 20', Add	*4.67*	
		For >20' To 50', Add	*1.87*	
		For >200' To 500', Deduct	*-1.17*	
		For >500', Deduct	*-1.94*	
		For 24 Gauge, Add	*3.11*	
		For 22 Gauge, Add	*7.15*	
		For 20 Gauge, Add	*11.66*	
		For 18 Gauge, Add	*17.88*	
		For 16 Gauge, Add	*21.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.51*	
		For Work In Restricted Working Space, Add	*2.75*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	34.82	1.84
		For Seal Class B, Add	*1.83*	
		For Seal Class A, Add	*4.89*	
		For Up To 20', Add	*6.78*	
		For >20' To 50', Add	*2.71*	
		For >200' To 500', Deduct	*-1.69*	
		For >500', Deduct	*-2.82*	
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*10.39*	
		For 20 Gauge, Add	*16.94*	
		For 18 Gauge, Add	*25.98*	
		For 16 Gauge, Add	*31.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.72*	
		For Work In Restricted Working Space, Add	*3.67*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	39.30	2.45
		For Seal Class B, Add	*2.14*	
		For Seal Class A, Add	*5.70*	
		For Up To 20', Add	*7.52*	
		For >20' To 50', Add	*3.01*	
		For >200' To 500', Deduct	*-1.88*	
		For >500', Deduct	*-3.13*	
		For 24 Gauge, Add	*5.01*	
		For 22 Gauge, Add	*11.52*	
		For 20 Gauge, Add	*18.79*	
		For 18 Gauge, Add	*28.81*	
		For 16 Gauge, Add	*35.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.54*	
		For Work In Restricted Working Space, Add	*4.28*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	44.12	2.45
		For Seal Class B, Add	*2.43*	
		For Seal Class A, Add	*6.47*	
		For Up To 20', Add	*8.38*	
		For >20' To 50', Add	*3.35*	
		For >200' To 500', Deduct	*-2.10*	
		For >500', Deduct	*-3.49*	
		For 24 Gauge, Add	*5.59*	
		For 22 Gauge, Add	*12.85*	
		For 20 Gauge, Add	*20.96*	
		For 18 Gauge, Add	*32.13*	
		For 16 Gauge, Add	*39.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.68*	
		For Work In Restricted Working Space, Add	*4.85*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	49.12	3.06
		For Seal Class B, Add	*2.73*	
		For Seal Class A, Add	*7.29*	
		For Up To 20', Add	*9.27*	
		For >20' To 50', Add	*3.71*	
		For >200' To 500', Deduct	*-2.32*	
		For >500', Deduct	*-3.86*	
		For 24 Gauge, Add	*6.18*	
		For 22 Gauge, Add	*14.21*	
		For 20 Gauge, Add	*23.17*	
		For 18 Gauge, Add	*35.52*	
		For 16 Gauge, Add	*43.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.86*	
		For Work In Restricted Working Space, Add	*5.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	53.96	3.67
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*8.16*	
		For Up To 20', Add	*10.07*	
		For >20' To 50', Add	*4.03*	
		For >200' To 500', Deduct	*-2.52*	
		For >500', Deduct	*-4.20*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*15.44*	
		For 20 Gauge, Add	*25.17*	
		For 18 Gauge, Add	*38.59*	
		For 16 Gauge, Add	*46.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.83*	
		For Work In Restricted Working Space, Add	*6.12*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	55.26	8.57
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*13.23*	
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*10.20*	
		For 20 Gauge, Add	*16.64*	
		For 18 Gauge, Add	*25.51*	
		For 16 Gauge, Add	*31.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*9.92*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	80.44	12.24
		For Seal Class B, Add	*7.34*	
		For Seal Class A, Add	*19.58*	
		For 24 Gauge, Add	*6.30*	
		For 22 Gauge, Add	*14.48*	
		For 20 Gauge, Add	*23.61*	
		For 18 Gauge, Add	*36.20*	
		For 16 Gauge, Add	*44.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.30*	
		For Work In Restricted Working Space, Add	*14.69*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	124.47	15.91
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*12.01*	
		For 22 Gauge, Add	*27.62*	
		For 20 Gauge, Add	*45.03*	
		For 18 Gauge, Add	*69.05*	
		For 16 Gauge, Add	*84.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.43*	
		For Work In Restricted Working Space, Add	*19.33*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	152.30	20.20
		For Seal Class B, Add	*12.24*	
		For Seal Class A, Add	*32.64*	
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.52*	
		For 20 Gauge, Add	*53.02*	
		For 18 Gauge, Add	*81.29*	
		For 16 Gauge, Add	*98.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.31*	
		For Work In Restricted Working Space, Add	*24.48*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	185.02	25.71
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*16.60*	
		For 22 Gauge, Add	*38.18*	
		For 20 Gauge, Add	*62.26*	
		For 18 Gauge, Add	*95.46*	
		For 16 Gauge, Add	*116.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*61.43*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	203.68	28.15
		For Seal Class B, Add	*16.69*	
		For Seal Class A, Add	*44.51*	
		For 24 Gauge, Add	*18.48*	
		For 22 Gauge, Add	*42.50*	
		For 20 Gauge, Add	*69.30*	
		For 18 Gauge, Add	*106.26*	
		For 16 Gauge, Add	*129.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.38*	
		For Work In Restricted Working Space, Add	*33.38*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	239.76	33.05
		For Seal Class B, Add	*19.74*	
		For Seal Class A, Add	*52.65*	
		For 24 Gauge, Add	*21.63*	
		For 22 Gauge, Add	*49.74*	
		For 20 Gauge, Add	*81.11*	
		For 18 Gauge, Add	*124.36*	
		For 16 Gauge, Add	*151.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*80.02*	
		For Work In Restricted Working Space, Add	*39.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	287.66	41.01
		For Seal Class B, Add	*24.48*	
		For Seal Class A, Add	*65.29*	
		For 24 Gauge, Add	*24.89*	
		For 22 Gauge, Add	*57.24*	
		For 20 Gauge, Add	*93.33*	
		For 18 Gauge, Add	*143.11*	
		For 16 Gauge, Add	*174.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.09*	
		For Work In Restricted Working Space, Add	*48.97*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	344.33	49.58
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 24 Gauge, Add	*29.38*	
		For 22 Gauge, Add	*67.57*	
		For 20 Gauge, Add	*110.17*	
		For 18 Gauge, Add	*168.92*	
		For 16 Gauge, Add	*205.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*108.70*	
		For Work In Restricted Working Space, Add	*59.23*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	397.66	57.53
		For Seal Class B, Add	*34.64*	
		For Seal Class A, Add	*92.38*	
		For 24 Gauge, Add	*33.34*	
		For 22 Gauge, Add	*76.68*	
		For 20 Gauge, Add	*125.03*	
		For 18 Gauge, Add	*191.71*	
		For 16 Gauge, Add	*233.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*123.36*	
		For Work In Restricted Working Space, Add	*69.29*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	466.17	65.49
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*104.18*	
		For 24 Gauge, Add	*41.15*	
		For 22 Gauge, Add	*94.64*	
		For 20 Gauge, Add	*154.30*	
		For 18 Gauge, Add	*236.59*	
		For 16 Gauge, Add	*288.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*152.24*	
		For Work In Restricted Working Space, Add	*78.13*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	56.30	8.57
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*13.23*	
		For 24 Gauge, Add	*4.64*	
		For 22 Gauge, Add	*10.68*	
		For 20 Gauge, Add	*17.42*	
		For 18 Gauge, Add	*26.70*	
		For 16 Gauge, Add	*32.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.18*	
		For Work In Restricted Working Space, Add	*9.92*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	75.04	12.24
		For Seal Class B, Add	*7.34*	
		For Seal Class A, Add	*19.58*	
		For 24 Gauge, Add	*5.22*	
		For 22 Gauge, Add	*12.00*	
		For 20 Gauge, Add	*19.56*	
		For 18 Gauge, Add	*29.99*	
		For 16 Gauge, Add	*36.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.30*	
		For Work In Restricted Working Space, Add	*14.69*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	99.41	15.91
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*7.00*	
		For 22 Gauge, Add	*16.09*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*40.23*	
		For 16 Gauge, Add	*48.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.89*	
		For Work In Restricted Working Space, Add	*19.33*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	125.33	20.20
		For Seal Class B, Add	*12.24*	
		For Seal Class A, Add	*32.64*	
		For 24 Gauge, Add	*8.74*	
		For 22 Gauge, Add	*20.11*	
		For 20 Gauge, Add	*32.79*	
		For 18 Gauge, Add	*50.28*	
		For 16 Gauge, Add	*61.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.35*	
		For Work In Restricted Working Space, Add	*24.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	152.82	25.71
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*10.16*	
		For 22 Gauge, Add	*23.37*	
		For 20 Gauge, Add	*38.11*	
		For 18 Gauge, Add	*58.43*	
		For 16 Gauge, Add	*71.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.60*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	167.76	28.15
		For Seal Class B, Add	*16.69*	
		For Seal Class A, Add	*44.51*	
		For 24 Gauge, Add	*11.30*	
		For 22 Gauge, Add	*25.98*	
		For 20 Gauge, Add	*42.36*	
		For 18 Gauge, Add	*64.95*	
		For 16 Gauge, Add	*79.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.80*	
		For Work In Restricted Working Space, Add	*33.38*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	224.21	33.05
		For Seal Class B, Add	*19.74*	
		For Seal Class A, Add	*52.65*	
		For 24 Gauge, Add	*18.52*	
		For 22 Gauge, Add	*42.59*	
		For 20 Gauge, Add	*69.44*	
		For 18 Gauge, Add	*106.48*	
		For 16 Gauge, Add	*129.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.52*	
		For Work In Restricted Working Space, Add	*39.49*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	276.64	41.01
		For Seal Class B, Add	*24.48*	
		For Seal Class A, Add	*65.29*	
		For 24 Gauge, Add	*22.68*	
		For 22 Gauge, Add	*52.17*	
		For 20 Gauge, Add	*85.07*	
		For 18 Gauge, Add	*130.43*	
		For 16 Gauge, Add	*158.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.93*	
		For Work In Restricted Working Space, Add	*48.97*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	340.95	49.58
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 24 Gauge, Add	*28.70*	
		For 22 Gauge, Add	*66.01*	
		For 20 Gauge, Add	*107.63*	
		For 18 Gauge, Add	*165.04*	
		For 16 Gauge, Add	*200.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.20*	
		For Work In Restricted Working Space, Add	*59.23*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	359.43	57.53
		For Seal Class B, Add	*34.64*	
		For Seal Class A, Add	*92.38*	
		For 24 Gauge, Add	*25.69*	
		For 22 Gauge, Add	*59.10*	
		For 20 Gauge, Add	*96.35*	
		For 18 Gauge, Add	*147.74*	
		For 16 Gauge, Add	*179.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*95.07*	
		For Work In Restricted Working Space, Add	*69.29*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	452.56	65.49
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*104.18*	
		For 24 Gauge, Add	*38.42*	
		For 22 Gauge, Add	*88.38*	
		For 20 Gauge, Add	*144.09*	
		For 18 Gauge, Add	*220.94*	
		For 16 Gauge, Add	*268.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*142.17*	
		For Work In Restricted Working Space, Add	*78.13*	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*

23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	114.33	15.91
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*9.98*	
		For 22 Gauge, Add	*22.95*	
		For 20 Gauge, Add	*37.43*	
		For 18 Gauge, Add	*57.39*	
		For 16 Gauge, Add	*69.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.93*	
		For Work In Restricted Working Space, Add	*19.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	154.33	25.71
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*10.46*	
		For 22 Gauge, Add	*24.07*	
		For 20 Gauge, Add	*39.24*	
		For 18 Gauge, Add	*60.17*	
		For 16 Gauge, Add	*73.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.72*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	189.06	33.05
		For Seal Class B, Add	*19.74*	
		For Seal Class A, Add	*52.65*	
		For 24 Gauge, Add	*11.49*	
		For 22 Gauge, Add	*26.42*	
		For 20 Gauge, Add	*43.08*	
		For 18 Gauge, Add	*66.06*	
		For 16 Gauge, Add	*80.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.51*	
		For Work In Restricted Working Space, Add	*39.49*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	223.22	41.01
		For Seal Class B, Add	*24.48*	
		For Seal Class A, Add	*65.29*	
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*27.60*	
		For 20 Gauge, Add	*45.00*	
		For 18 Gauge, Add	*69.00*	
		For 16 Gauge, Add	*84.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.40*	
		For Work In Restricted Working Space, Add	*48.97*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	259.40	49.58
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 24 Gauge, Add	*12.39*	
		For 22 Gauge, Add	*28.50*	
		For 20 Gauge, Add	*46.47*	
		For 18 Gauge, Add	*71.25*	
		For 16 Gauge, Add	*86.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.85*	
		For Work In Restricted Working Space, Add	*59.23*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	298.35	57.53
		For Seal Class B, Add	*34.64*	
		For Seal Class A, Add	*92.38*	
		For 24 Gauge, Add	*13.48*	
		For 22 Gauge, Add	*31.00*	
		For 20 Gauge, Add	*50.54*	
		For 18 Gauge, Add	*77.50*	
		For 16 Gauge, Add	*94.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.87*	
		For Work In Restricted Working Space, Add	*69.29*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	330.54	65.49
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*104.18*	
		For 24 Gauge, Add	*14.02*	
		For 22 Gauge, Add	*32.25*	
		For 20 Gauge, Add	*52.58*	
		For 18 Gauge, Add	*80.62*	
		For 16 Gauge, Add	*98.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.87*	
		For Work In Restricted Working Space, Add	*78.13*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	371.23	74.67
		For Seal Class B, Add	*44.78*	
		For Seal Class A, Add	*119.42*	
		For 24 Gauge, Add	*14.53*	
		For 22 Gauge, Add	*33.43*	
		For 20 Gauge, Add	*54.50*	
		For 18 Gauge, Add	*83.57*	
		For 16 Gauge, Add	*101.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*53.78*	
		For Work In Restricted Working Space, Add	*89.57*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	418.28	82.63
		For Seal Class B, Add	*49.63*	
		For Seal Class A, Add	*132.34*	
		For 24 Gauge, Add	*17.49*	
		For 22 Gauge, Add	*40.22*	
		For 20 Gauge, Add	*65.58*	
		For 18 Gauge, Add	*100.56*	
		For 16 Gauge, Add	*122.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.71*	
		For Work In Restricted Working Space, Add	*99.25*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	450.34	89.97
		For Seal Class B, Add	*54.00*	
		For Seal Class A, Add	*144.01*	
		For 24 Gauge, Add	*18.06*	
		For 22 Gauge, Add	*41.54*	
		For 20 Gauge, Add	*67.73*	
		For 18 Gauge, Add	*103.86*	
		For 16 Gauge, Add	*126.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.83*	
		For Work In Restricted Working Space, Add	*108.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	154.91	27.73
		For Seal Class B, Add	*16.64*	
		For Seal Class A, Add	*44.38*	
		For 24 Gauge, Add	*8.79*	
		For 22 Gauge, Add	*20.22*	
		For 20 Gauge, Add	*32.96*	
		For 18 Gauge, Add	*50.54*	
		For 16 Gauge, Add	*61.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.52*	
		For Work In Restricted Working Space, Add	*33.29*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	188.90	33.36
		For Seal Class B, Add	*20.01*	
		For Seal Class A, Add	*53.36*	
		For 24 Gauge, Add	*11.10*	
		For 22 Gauge, Add	*25.53*	
		For 20 Gauge, Add	*41.63*	
		For 18 Gauge, Add	*63.83*	
		For 16 Gauge, Add	*77.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.07*	
		For Work In Restricted Working Space, Add	*40.02*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	229.46	40.52
		For Seal Class B, Add	*24.31*	
		For Seal Class A, Add	*64.84*	
		For 24 Gauge, Add	*13.47*	
		For 22 Gauge, Add	*30.99*	
		For 20 Gauge, Add	*50.53*	
		For 18 Gauge, Add	*77.48*	
		For 16 Gauge, Add	*94.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.85*	
		For Work In Restricted Working Space, Add	*48.63*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	273.17	48.17
		For Seal Class B, Add	*28.94*	
		For Seal Class A, Add	*77.18*	
		For 24 Gauge, Add	*16.04*	
		For 22 Gauge, Add	*36.90*	
		For 20 Gauge, Add	*60.17*	
		For 18 Gauge, Add	*92.25*	
		For 16 Gauge, Add	*112.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.36*	
		For Work In Restricted Working Space, Add	*57.89*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	340.57	61.94
		For Seal Class B, Add	*37.14*	
		For Seal Class A, Add	*99.04*	
		For 24 Gauge, Add	*18.60*	
		For 22 Gauge, Add	*42.77*	
		For 20 Gauge, Add	*69.74*	
		For 18 Gauge, Add	*106.93*	
		For 16 Gauge, Add	*130.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.81*	
		For Work In Restricted Working Space, Add	*74.28*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	378.91	68.73
		For Seal Class B, Add	*41.21*	
		For Seal Class A, Add	*109.88*	
		For 24 Gauge, Add	*20.84*	
		For 22 Gauge, Add	*47.93*	
		For 20 Gauge, Add	*78.15*	
		For 18 Gauge, Add	*119.83*	
		For 16 Gauge, Add	*145.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*77.11*	
		For Work In Restricted Working Space, Add	*82.41*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	430.87	78.22
		For Seal Class B, Add	*46.84*	
		For Seal Class A, Add	*124.91*	
		For 24 Gauge, Add	*23.72*	
		For 22 Gauge, Add	*54.56*	
		For 20 Gauge, Add	*88.95*	
		For 18 Gauge, Add	*136.39*	
		For 16 Gauge, Add	*166.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*87.76*	
		For Work In Restricted Working Space, Add	*93.68*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	465.55	83.42
		For Seal Class B, Add	*50.00*	
		For Seal Class A, Add	*133.34*	
		For 24 Gauge, Add	*26.44*	
		For 22 Gauge, Add	*60.81*	
		For 20 Gauge, Add	*99.14*	
		For 18 Gauge, Add	*152.02*	
		For 16 Gauge, Add	*185.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*97.82*	
		For Work In Restricted Working Space, Add	*100.01*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	504.97	90.46
		For Seal Class B, Add	*54.26*	
		For Seal Class A, Add	*144.69*	
		For 24 Gauge, Add	*28.65*	
		For 22 Gauge, Add	*65.89*	
		For 20 Gauge, Add	*107.43*	
		For 18 Gauge, Add	*164.73*	
		For 16 Gauge, Add	*200.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.00*	
		For Work In Restricted Working Space, Add	*108.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	205.14	36.72
		For Seal Class B, Add	*22.01*	
		For Seal Class A, Add	*58.68*	
		For 24 Gauge, Add	*11.69*	
		For 22 Gauge, Add	*26.88*	
		For 20 Gauge, Add	*43.83*	
		For 18 Gauge, Add	*67.21*	
		For 16 Gauge, Add	*81.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.25*	
		For Work In Restricted Working Space, Add	*44.01*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	249.21	44.68
		For Seal Class B, Add	*26.75*	
		For Seal Class A, Add	*71.33*	
		For 24 Gauge, Add	*14.18*	
		For 22 Gauge, Add	*32.60*	
		For 20 Gauge, Add	*53.16*	
		For 18 Gauge, Add	*81.51*	
		For 16 Gauge, Add	*99.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.45*	
		For Work In Restricted Working Space, Add	*53.50*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	296.69	52.94
		For Seal Class B, Add	*31.83*	
		For Seal Class A, Add	*84.89*	
		For 24 Gauge, Add	*16.89*	
		For 22 Gauge, Add	*38.86*	
		For 20 Gauge, Add	*63.35*	
		For 18 Gauge, Add	*97.14*	
		For 16 Gauge, Add	*118.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.51*	
		For Work In Restricted Working Space, Add	*63.67*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	344.29	61.70
		For Seal Class B, Add	*36.96*	
		For Seal Class A, Add	*98.56*	
		For 24 Gauge, Add	*19.58*	
		For 22 Gauge, Add	*45.03*	
		For 20 Gauge, Add	*73.43*	
		For 18 Gauge, Add	*112.59*	
		For 16 Gauge, Add	*137.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.45*	
		For Work In Restricted Working Space, Add	*73.92*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	385.38	68.98
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*110.28*	
		For 24 Gauge, Add	*21.94*	
		For 22 Gauge, Add	*50.45*	
		For 20 Gauge, Add	*82.26*	
		For 18 Gauge, Add	*126.13*	
		For 16 Gauge, Add	*153.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.16*	
		For Work In Restricted Working Space, Add	*82.71*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	438.37	78.47
		For Seal Class B, Add	*47.03*	
		For Seal Class A, Add	*125.42*	
		For 24 Gauge, Add	*24.96*	
		For 22 Gauge, Add	*57.42*	
		For 20 Gauge, Add	*93.62*	
		For 18 Gauge, Add	*143.54*	
		For 16 Gauge, Add	*174.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.37*	
		For Work In Restricted Working Space, Add	*94.07*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	489.29	87.52
		For Seal Class B, Add	*52.52*	
		For Seal Class A, Add	*140.06*	
		For 24 Gauge, Add	*27.83*	
		For 22 Gauge, Add	*64.01*	
		For 20 Gauge, Add	*104.36*	
		For 18 Gauge, Add	*160.02*	
		For 16 Gauge, Add	*194.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*102.97*	
		For Work In Restricted Working Space, Add	*105.04*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	530.45	94.99
		For Seal Class B, Add	*56.95*	
		For Seal Class A, Add	*151.87*	
		For 24 Gauge, Add	*30.15*	
		For 22 Gauge, Add	*69.35*	
		For 20 Gauge, Add	*113.08*	
		For 18 Gauge, Add	*173.39*	
		For 16 Gauge, Add	*211.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*111.57*	
		For Work In Restricted Working Space, Add	*113.90*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	66.90	12.24
		For Seal Class B, Add	*7.34*	
		For Seal Class A, Add	*19.58*	
		For 24 Gauge, Add	*3.59*	
		For 22 Gauge, Add	*8.25*	
		For 20 Gauge, Add	*13.46*	
		For 18 Gauge, Add	*20.63*	
		For 16 Gauge, Add	*25.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.28*	
		For Work In Restricted Working Space, Add	*14.69*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	84.18	15.91
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*3.95*	
		For 22 Gauge, Add	*9.09*	
		For 20 Gauge, Add	*14.81*	
		For 18 Gauge, Add	*22.71*	
		For 16 Gauge, Add	*27.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.62*	
		For Work In Restricted Working Space, Add	*19.33*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	103.47	20.20
		For Seal Class B, Add	*12.24*	
		For Seal Class A, Add	*32.64*	
		For 24 Gauge, Add	*4.37*	
		For 22 Gauge, Add	*10.06*	
		For 20 Gauge, Add	*16.40*	
		For 18 Gauge, Add	*25.14*	
		For 16 Gauge, Add	*30.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.18*	
		For Work In Restricted Working Space, Add	*24.48*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	125.98	25.71
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*4.79*	
		For 22 Gauge, Add	*11.03*	
		For 20 Gauge, Add	*17.98*	
		For 18 Gauge, Add	*27.57*	
		For 16 Gauge, Add	*33.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.74*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	137.97	28.15
		For Seal Class B, Add	*16.69*	
		For Seal Class A, Add	*44.51*	
		For 24 Gauge, Add	*5.34*	
		For 22 Gauge, Add	*12.28*	
		For 20 Gauge, Add	*20.02*	
		For 18 Gauge, Add	*30.69*	
		For 16 Gauge, Add	*37.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.75*	
		For Work In Restricted Working Space, Add	*33.38*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	177.75	33.05
		For Seal Class B, Add	*19.74*	
		For Seal Class A, Add	*52.65*	
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.22*	
		For 20 Gauge, Add	*34.60*	
		For 18 Gauge, Add	*53.05*	
		For 16 Gauge, Add	*64.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Work In Restricted Working Space, Add	*39.49*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	212.52	41.01
		For Seal Class B, Add	*24.48*	
		For Seal Class A, Add	*65.29*	
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.68*	
		For 20 Gauge, Add	*36.98*	
		For 18 Gauge, Add	*56.70*	
		For 16 Gauge, Add	*69.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.48*	
		For Work In Restricted Working Space, Add	*48.97*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	250.06	49.58
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 24 Gauge, Add	*10.52*	
		For 22 Gauge, Add	*24.21*	
		For 20 Gauge, Add	*39.47*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*73.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.94*	
		For Work In Restricted Working Space, Add	*59.23*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	286.89	57.53
		For Seal Class B, Add	*34.64*	
		For Seal Class A, Add	*92.38*	
		For 24 Gauge, Add	*11.19*	
		For 22 Gauge, Add	*25.73*	
		For 20 Gauge, Add	*41.95*	
		For 18 Gauge, Add	*64.32*	
		For 16 Gauge, Add	*78.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.39*	
		For Work In Restricted Working Space, Add	*69.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	319.39	65.49
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*104.18*	
		For 24 Gauge, Add	*11.79*	
		For 22 Gauge, Add	*27.12*	
		For 20 Gauge, Add	*44.21*	
		For 18 Gauge, Add	*67.79*	
		For 16 Gauge, Add	*82.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.62*	
		For Work In Restricted Working Space, Add	*78.13*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	41.57	8.57
		For Seal Class B, Add	*4.96*	
		For Seal Class A, Add	*13.23*	
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.37*	
		For 18 Gauge, Add	*9.76*	
		For 16 Gauge, Add	*11.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.28*	
		For Work In Restricted Working Space, Add	*9.92*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	58.61	12.24
		For Seal Class B, Add	*7.34*	
		For Seal Class A, Add	*19.58*	
		For 24 Gauge, Add	*1.93*	
		For 22 Gauge, Add	*4.44*	
		For 20 Gauge, Add	*7.24*	
		For 18 Gauge, Add	*11.10*	
		For 16 Gauge, Add	*13.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.14*	
		For Work In Restricted Working Space, Add	*14.69*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	74.83	15.91
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.78*	
		For 20 Gauge, Add	*7.80*	
		For 18 Gauge, Add	*11.96*	
		For 16 Gauge, Add	*14.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.70*	
		For Work In Restricted Working Space, Add	*19.33*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	92.77	20.20
		For Seal Class B, Add	*12.24*	
		For Seal Class A, Add	*32.64*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*24.48*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	113.92	25.71
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*2.38*	
		For 22 Gauge, Add	*5.48*	
		For 20 Gauge, Add	*8.93*	
		For 18 Gauge, Add	*13.70*	
		For 16 Gauge, Add	*16.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	123.94	28.15
		For Seal Class B, Add	*16.69*	
		For Seal Class A, Add	*44.51*	
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.82*	
		For 20 Gauge, Add	*9.50*	
		For 18 Gauge, Add	*14.56*	
		For 16 Gauge, Add	*17.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.37*	
		For Work In Restricted Working Space, Add	*33.38*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	145.64	33.05
		For Seal Class B, Add	*19.74*	
		For Seal Class A, Add	*52.65*	
		For 24 Gauge, Add	*2.80*	
		For 22 Gauge, Add	*6.45*	
		For 20 Gauge, Add	*10.52*	
		For 18 Gauge, Add	*16.12*	
		For 16 Gauge, Add	*19.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.37*	
		For Work In Restricted Working Space, Add	*39.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	177.99	41.01
		For Seal Class B, Add	*24.48*	
		For Seal Class A, Add	*65.29*	
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*6.79*	
		For 20 Gauge, Add	*11.08*	
		For 18 Gauge, Add	*16.99*	
		For 16 Gauge, Add	*20.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.93*	
		For Work In Restricted Working Space, Add	*48.97*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	213.12	49.58
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 24 Gauge, Add	*3.14*	
		For 22 Gauge, Add	*7.21*	
		For 20 Gauge, Add	*11.76*	
		For 18 Gauge, Add	*18.03*	
		For 16 Gauge, Add	*21.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.60*	
		For Work In Restricted Working Space, Add	*59.23*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	247.24	115.68
		For Seal Class B, Add	*34.64*	
		For Seal Class A, Add	*92.38*	
		For 24 Gauge, Add	*3.26*	
		For 22 Gauge, Add	*7.49*	
		For 20 Gauge, Add	*12.21*	
		For 18 Gauge, Add	*18.72*	
		For 16 Gauge, Add	*22.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.05*	
		For Work In Restricted Working Space, Add	*69.29*	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	277.63	130.37
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*104.18*	
		For 24 Gauge, Add	*3.44*	
		For 22 Gauge, Add	*7.91*	
		For 20 Gauge, Add	*12.89*	
		For 18 Gauge, Add	*19.77*	
		For 16 Gauge, Add	*24.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.72*	
		For Work In Restricted Working Space, Add	*78.13*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	26.50	8.57
		For Seal Class B, Add	*2.48*	
		For Seal Class A, Add	*6.62*	
		For 24 Gauge, Add	*1.99*	
		For 22 Gauge, Add	*4.58*	
		For 20 Gauge, Add	*7.46*	
		For 18 Gauge, Add	*11.44*	
		For 16 Gauge, Add	*13.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.36*	
		For Work In Restricted Working Space, Add	*4.97*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	35.64	12.24
		For Seal Class B, Add	*3.67*	
		For Seal Class A, Add	*9.79*	
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*7.34*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	44.42	16.53
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*12.88*	
		For 24 Gauge, Add	*2.44*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*9.16*	
		For 18 Gauge, Add	*14.04*	
		For 16 Gauge, Add	*17.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.04*	
		For Work In Restricted Working Space, Add	*9.66*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	54.37	20.81
		For Seal Class B, Add	*6.12*	
		For Seal Class A, Add	*16.32*	
		For 24 Gauge, Add	*2.71*	
		For 22 Gauge, Add	*6.24*	
		For 20 Gauge, Add	*10.18*	
		For 18 Gauge, Add	*15.61*	
		For 16 Gauge, Add	*19.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.04*	
		For Work In Restricted Working Space, Add	*12.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	66.08	25.71
		For Seal Class B, Add	*7.65*	
		For Seal Class A, Add	*20.40*	
		For 24 Gauge, Add	*3.02*	
		For 22 Gauge, Add	*6.94*	
		For 20 Gauge, Add	*11.31*	
		For 18 Gauge, Add	*17.34*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.16*	
		For Work In Restricted Working Space, Add	*15.30*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	72.22	28.15
		For Seal Class B, Add	*8.35*	
		For Seal Class A, Add	*22.26*	
		For 24 Gauge, Add	*3.32*	
		For 22 Gauge, Add	*7.63*	
		For 20 Gauge, Add	*12.44*	
		For 18 Gauge, Add	*19.07*	
		For 16 Gauge, Add	*23.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.27*	
		For Work In Restricted Working Space, Add	*16.69*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	83.58	32.44
		For Seal Class B, Add	*9.66*	
		For Seal Class A, Add	*25.77*	
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*8.81*	
		For 20 Gauge, Add	*14.36*	
		For 18 Gauge, Add	*22.02*	
		For 16 Gauge, Add	*26.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.17*	
		For Work In Restricted Working Space, Add	*19.33*	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	146.14	41.01
		For Seal Class B, Add	*12.24*	
		For Seal Class A, Add	*32.64*	
		For 24 Gauge, Add	*12.91*	
		For 22 Gauge, Add	*29.68*	
		For 20 Gauge, Add	*48.40*	
		For 18 Gauge, Add	*74.21*	
		For 16 Gauge, Add	*90.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.75*	
		For Work In Restricted Working Space, Add	*24.48*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	171.96	50.80
		For Seal Class B, Add	*15.30*	
		For Seal Class A, Add	*40.80*	
		For 24 Gauge, Add	*13.99*	
		For 22 Gauge, Add	*32.18*	
		For 20 Gauge, Add	*52.46*	
		For 18 Gauge, Add	*80.44*	
		For 16 Gauge, Add	*97.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.76*	
		For Work In Restricted Working Space, Add	*30.60*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	186.66	55.70
		For Seal Class B, Add	*16.69*	
		For Seal Class A, Add	*44.51*	
		For 24 Gauge, Add	*15.08*	
		For 22 Gauge, Add	*34.67*	
		For 20 Gauge, Add	*56.54*	
		For 18 Gauge, Add	*86.69*	
		For 16 Gauge, Add	*105.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.78*	
		For Work In Restricted Working Space, Add	*33.38*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	211.19	64.88
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*52.09*	
		For 24 Gauge, Add	*16.19*	
		For 22 Gauge, Add	*37.24*	
		For 20 Gauge, Add	*60.72*	
		For 18 Gauge, Add	*93.10*	
		For 16 Gauge, Add	*113.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.91*	
		For Work In Restricted Working Space, Add	*39.07*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	23.13	18.11
		For Work In Restricted Working Space, Add	*6.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.04*	
		For Elevated Installation >40' Above Floor, Add	*12.14*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	26.60	8.27
		For Stainless Steel, Add	*12.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	26.60	8.27
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	28.16	8.93
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	28.16	8.93
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	30.64	8.93
		For Stainless Steel, Add	*15.34*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	30.71	9.59
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	30.71	9.59
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	32.25	9.59
		For Stainless Steel, Add	*15.68*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	29.58	10.25
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	31.17	10.91
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	37.50	10.91
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	33.03	11.58
		For Stainless Steel, Add	*11.87*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	39.24	11.58
		For Stainless Steel, Add	*19.32*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	26.66	8.93
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	26.66	8.93
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	28.99	9.59
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	30.46	9.59
		For Stainless Steel, Add	*13.54*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	29.78	10.25
		For Stainless Steel, Add	*11.12*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	31.34	10.91
		For Stainless Steel, Add	*11.41*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	27.67	8.93
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	29.59	9.59
		For Stainless Steel, Add	*12.49*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	26.60	8.27
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	28.16	8.93
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	30.71	9.59
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	30.71	9.59
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	29.58	10.25
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	31.17	10.91
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	37.50	10.91
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	38.81	11.58
		For Stainless Steel, Add	*18.80*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	15.29	5.49
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Work In Restricted Working Space, Add	*3.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.51*	
		For Elevated Installation >40' Above Floor, Add	*6.06*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0005	LB	Black Steel Ductwork	12.29	5.66
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.71*	
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.67*	
		For Elevated Installation >40' Above Floor, Add	*6.23*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	6.96	1.14
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	8.62	1.25
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	10.33	1.37

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	16.52	3.68
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	21.10	4.30
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	27.91	6.32
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	37.62	7.98
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	47.90	10.00
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	57.85	12.01
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	64.34	14.03
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	74.45	15.35
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	80.84	16.33
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	103.74	18.34
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	108.49	19.65
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	139.10	20.97
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	158.85	24.31
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	181.38	29.30
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	253.18	32.64
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	283.50	36.67
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	312.90	42.02
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	352.95	49.03
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	366.56	60.00
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	447.12	73.34

23 31 16 16-0023 Fiber Reinforced Plastic Bell *(23 31 16 16-0001)*

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	49.40	14.93
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	59.85	17.71
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	68.54	20.83
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	89.76	27.78
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	108.53	34.73
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	124.86	41.67
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	154.77	51.74
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	165.91	55.56
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	179.82	59.38
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	193.74	63.90
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	212.17	69.45
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	250.50	76.40
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	296.14	83.33
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	336.52	93.75
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	376.90	104.18
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	417.26	114.59
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	522.07	138.89
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	615.95	173.62
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	739.10	208.34
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	848.50	236.12

23 31 16 16-0044 Fiber Reinforced Plastic Flange *(23 31 16 16-0001)*

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	88.49	14.93
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	101.38	17.71
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	114.95	20.83
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	148.39	27.78
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	179.38	34.73
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	210.35	41.67
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	245.15	51.74
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	275.84	55.56
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	301.96	59.38
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	320.76	63.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	334.31	69.45
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	397.07	76.40
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	437.82	83.33
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	549.04	93.75
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	611.41	104.18
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	698.18	114.59
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	815.20	138.89
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	965.26	173.62
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,115.29	208.34
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,278.43	236.12
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	140.61	35.98
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	164.50	42.98
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	190.81	50.00
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	245.46	66.67
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	300.11	83.33
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	354.78	100.01
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	434.43	124.38
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	500.39	131.67
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	575.46	142.99
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	700.18	153.34
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	815.24	166.68
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	952.95	183.34
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,322.70	200.01
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,718.60	225.01
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,297.70	250.09
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,742.47	275.09
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,242.65	333.35
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,918.95	416.68
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,594.99	499.89
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,243.40	566.49
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	113.74	35.98
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	132.74	42.98
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	154.15	50.00
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	191.72	66.67
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	229.27	83.33
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	271.77	100.01
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	334.32	124.38
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	365.98	131.67
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	448.31	142.92
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	524.48	153.48
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	614.89	166.68
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	715.69	183.21
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	931.60	199.87
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,154.65	225.22
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,499.21	250.22
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,777.57	275.09
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,114.08	333.35
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,521.68	416.68
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	2,956.74	498.91
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,339.05	567.04
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	174.95	53.68
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	205.49	64.66
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	234.94	75.00
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	301.04	100.01
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	366.03	124.38
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	434.32	150.70
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	524.28	182.65
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	573.73	197.65
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	675.39	214.73
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	774.19	230.01
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	905.32	250.09
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,044.74	275.09
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,269.40	299.95
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,539.90	337.65
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,090.88	375.15
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,519.96	412.73
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,032.41	500.38
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,607.06	625.31
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,181.30	749.97
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	4,715.06	850.40
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	138.30	53.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	161.50	64.66
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	183.66	75.00
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	230.24	100.01
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	275.70	124.38
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	329.32	150.70
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	392.53	182.79
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	426.85	197.51
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	470.35	214.80
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	510.71	230.22
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	558.74	250.22
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	619.69	275.09
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	687.71	299.80
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	777.38	337.45
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	869.94	375.37
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	956.31	412.60
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,136.87	498.91
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,373.80	626.42
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	1,666.14	750.52
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	1,857.01	850.40
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	123.53	36.05
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	144.99	43.06
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	171.32	50.00
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	218.59	66.67
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	261.03	83.33
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	313.91	100.42
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	368.52	124.38
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	395.29	131.67
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	438.54	142.92
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	485.39	153.48
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	546.50	166.68
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	628.39	183.55
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	710.08	200.36
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	805.33	225.22
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	900.73	250.22
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,020.31	275.09
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,202.93	333.35
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,419.99	416.68
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,564.35	498.91
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,751.25	567.04
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	152.85	36.05
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	164.54	43.06
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	190.86	50.00
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	245.46	66.67
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	300.11	83.33
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	355.43	100.42
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	422.26	124.38
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	463.69	131.67
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	506.94	142.92
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	578.22	153.48
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	751.69	166.68
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	928.85	183.55
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	993.44	200.36
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,132.66	225.22
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,223.18	250.22
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,337.87	275.09
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,459.42	333.35
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,661.82	416.68
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	1,833.06	498.91
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	1,995.53	567.04
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	459.55	35.98
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	513.29	42.98
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	567.01	50.00
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	657.87	66.67
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	769.77	83.33
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	860.66	100.01
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	964.31	124.38
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,081.68	131.67
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,205.71	142.99
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,328.09	153.34
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,413.42	166.68
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,609.43	183.34
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,889.55	200.01
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,183.60	225.01
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,519.70	250.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,813.76	275.09
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,289.41	333.35
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	3,806.83	416.68
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,281.93	499.89
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	4,939.70	566.49

23 31 16 23 Fabric Ducts *(23 31 16)*

23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*

23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	240.95	4.60
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	381.90	6.13
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	280.54	7.67
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	424.14	10.07
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	334.59	10.51
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	484.53	14.01
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	383.25	13.57
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	544.93	17.95
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	425.57	15.55
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	650.50	20.80
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	467.23	17.30
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	726.79	22.99
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	504.82	19.70
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	839.73	26.27

23 31 16 23-0017 Heavy-Duty Fabric Duct With Vents *(23 31 16 23-0001)*

23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	684.79	6.13
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	745.20	10.07
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	820.74	14.01
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	899.31	17.95
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,086.66	20.80
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,162.95	22.99
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,312.24	26.27

23 31 16 23-0025 Heavy-Duty Fabric Duct 90 Degree Elbow *(23 31 16 23-0001)*

23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	501.35	6.57
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	546.61	10.51
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	752.21	11.38
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	912.55	15.32
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,163.21	17.08
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,461.66	18.61
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,662.30	20.80

23 31 16 23-0033 Heavy-Duty Fabric Duct 45 Degree Elbow *(23 31 16 23-0001)*

23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	377.17	6.57
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	431.51	10.51
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	485.66	11.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	558.17	15.32
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	648.30	17.08
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	786.21	18.61
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	898.86	20.80
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,227.56	15.32
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,291.46	16.42
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,381.41	22.12
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,446.92	24.74
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,495.95	26.93
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,560.44	30.22
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	180.29	6.57
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	201.32	10.51
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	216.09	11.38
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	240.14	15.32
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	254.54	17.08
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	271.30	18.61
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	296.11	20.80
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	105.68	3.94
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	128.13	6.35
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	153.69	6.79
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	215.51	9.19
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	261.23	10.29
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	333.55	11.17
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	376.91	12.48
23 31 16 23-0064		**Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	28.32	3.32
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	45.35	4.98
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	7.94	1.66
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.89	0.07
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	21.63	3.32
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	68.55	3.32
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	91.09	4.98
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	13.61	1.66
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	3.19	0.07
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	36.29	3.32

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	132.78	5.29
		For Stainless Steel, Add	*134.70*	
		For Parallel Blade Damper, Add	*44.90*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	137.68	5.95
		For Stainless Steel, Add	*136.64*	
		For Parallel Blade Damper, Add	*45.55*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	142.76	6.61
		For Stainless Steel, Add	*138.08*	
		For Parallel Blade Damper, Add	*46.03*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	152.78	7.94
		For Stainless Steel, Add	*146.71*	
		For Parallel Blade Damper, Add	*48.90*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	163.48	8.60
		For Stainless Steel, Add	*155.35*	
		For Parallel Blade Damper, Add	*51.78*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	202.62	9.26
		For Stainless Steel, Add	*198.50*	
		For Parallel Blade Damper, Add	*66.17*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	220.86	9.92
		For Stainless Steel, Add	*215.77*	
		For Parallel Blade Damper, Add	*71.92*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	231.06	11.24
		For Stainless Steel, Add	*224.36*	
		For Parallel Blade Damper, Add	*74.79*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	256.18	11.90
		For Stainless Steel, Add	*250.27*	
		For Parallel Blade Damper, Add	*83.42*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	310.67	13.23
		For Stainless Steel, Add	*310.69*	
		For Parallel Blade Damper, Add	*103.56*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	348.95	13.23
		For Stainless Steel, Add	*353.80*	
		For Parallel Blade Damper, Add	*117.93*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	404.71	15.22
		For Stainless Steel, Add	*414.22*	
		For Parallel Blade Damper, Add	*138.07*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	438.79	15.88
		For Stainless Steel, Add	*451.36*	
		For Parallel Blade Damper, Add	*150.45*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	133.54	7.36
		For Stainless Steel, Add	*133.73*	
		For Parallel Blade Damper, Add	*44.58*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.44	7.70
		For Stainless Steel, Add	*143.22*	
		For Parallel Blade Damper, Add	*47.74*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.55	7.76
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	150.55	7.76
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.18	7.96
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.72	8.83
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.18	7.96
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	176.38	8.43
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.74	8.83
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.61	9.95
		For Stainless Steel, Add	*209.71*	
		For Parallel Blade Damper, Add	*69.90*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.45	8.43
		For Stainless Steel, Add	*176.69*	
		For Parallel Blade Damper, Add	*58.90*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.74	8.83
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.03	9.29
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.98	9.95
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.16	11.08
		For Stainless Steel, Add	*233.99*	
		For Parallel Blade Damper, Add	*78.00*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.74	8.83
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.69	9.49
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.32	10.42
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.21	11.08
		For Stainless Steel, Add	*219.65*	
		For Parallel Blade Damper, Add	*73.22*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.50	12.14
		For Stainless Steel, Add	*243.61*	
		For Parallel Blade Damper, Add	*81.20*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.69	13.27
		For Stainless Steel, Add	*267.46*	
		For Parallel Blade Damper, Add	*89.15*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.03	9.29
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.91	9.95
		For Stainless Steel, Add	*214.87*	
		For Parallel Blade Damper, Add	*71.62*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.23	11.08
		For Stainless Steel, Add	*229.27*	
		For Parallel Blade Damper, Add	*76.42*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	247.47	12.14
		For Stainless Steel, Add	*253.18*	
		For Parallel Blade Damper, Add	*84.39*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.67	13.27
		For Stainless Steel, Add	*272.23*	
		For Parallel Blade Damper, Add	*90.74*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.64	14.34
		For Stainless Steel, Add	*282.61*	
		For Parallel Blade Damper, Add	*94.20*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.36	15.46
		For Stainless Steel, Add	*296.30*	
		For Parallel Blade Damper, Add	*98.77*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.06	9.95
		For Stainless Steel, Add	*191.05*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.81	11.08
		For Stainless Steel, Add	*208.37*	
		For Parallel Blade Damper, Add	*69.46*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.62	12.14
		For Stainless Steel, Add	*225.76*	
		For Parallel Blade Damper, Add	*75.25*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.91	13.27
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	271.10	14.34
		For Stainless Steel, Add	*273.56*	
		For Parallel Blade Damper, Add	*91.19*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.27	15.46
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.03	16.59
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.79	17.65
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.06	11.08
		For Stainless Steel, Add	*217.07*	
		For Parallel Blade Damper, Add	*72.36*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.11	12.14
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.91	13.27
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.96	14.34
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.09	15.46
		For Stainless Steel, Add	*299.58*	
		For Parallel Blade Damper, Add	*99.86*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.27	16.59
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.27	17.65
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.59	19.91
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.25	22.10
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.11	12.14
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.91	13.27
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.96	14.34
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.71	15.46
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.09	16.59
		For Stainless Steel, Add	*325.60*	
		For Parallel Blade Damper, Add	*108.53*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.47	17.65
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.84	19.91
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.25	22.10
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	445.93	23.23
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.74	25.42
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.64	13.27
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.16	14.34
		For Stainless Steel, Add	*295.24*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.71	15.46
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.47	16.59
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.88	17.65
		For Stainless Steel, Add	*348.96*	
		For Parallel Blade Damper, Add	*116.32*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.84	19.91
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	406.49	22.10
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.06	24.28
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.74	25.42
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	544.74	27.21
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.28	28.73
		For Stainless Steel, Add	*625.24*	
		For Parallel Blade Damper, Add	*208.41*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.64	14.34
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.39	15.46
		For Stainless Steel, Add	*329.94*	
		For Parallel Blade Damper, Add	*109.98*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	339.15	16.59
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.20	17.65
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	381.75	19.91
		For Stainless Steel, Add	*386.44*	
		For Parallel Blade Damper, Add	*128.81*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	395.94	20.97
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.06	24.28
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.81	26.55
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	530.91	27.40
		For Stainless Steel, Add	*538.37*	
		For Parallel Blade Damper, Add	*179.46*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	594.74	29.40
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	650.03	30.92
		For Stainless Steel, Add	*668.57*	
		For Parallel Blade Damper, Add	*222.86*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	711.25	32.04
		For Stainless Steel, Add	*738.05*	
		For Parallel Blade Damper, Add	*246.02*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.15	16.59
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.39	17.65
		For Stainless Steel, Add	*355.96*	
		For Parallel Blade Damper, Add	*118.65*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.95	18.78
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.52	19.91
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.51	20.97
		For Stainless Steel, Add	*403.76*	
		For Parallel Blade Damper, Add	*134.59*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.17	22.10
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.06	25.42
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	502.67	27.60
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	551.38	29.40
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.60	30.92
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	684.27	32.72
		For Stainless Steel, Add	*703.28*	
		For Parallel Blade Damper, Add	*234.43*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	766.56	33.57
		For Stainless Steel, Add	*798.84*	
		For Parallel Blade Damper, Add	*266.28*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	844.24	35.36
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	331.95	16.59
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.20	17.65
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.30	18.78
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.86	19.91
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.11	20.97
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	464.34	22.10
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.84	26.55
		For Stainless Steel, Add	*521.05*	
		For Parallel Blade Damper, Add	*173.68*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.57	28.73
		For Stainless Steel, Add	*564.38*	
		For Parallel Blade Damper, Add	*188.13*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.60	30.92
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.38	33.17
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	786.29	35.36
		For Stainless Steel, Add	*816.16*	
		For Parallel Blade Damper, Add	*272.05*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	854.75	36.43
		For Stainless Steel, Add	*894.32*	
		For Parallel Blade Damper, Add	*298.11*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	923.22	37.55
		For Stainless Steel, Add	*972.50*	
		For Parallel Blade Damper, Add	*324.17*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	991.68	38.68
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.95	17.65
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.30	18.78
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.86	19.91
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.17	22.10
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	463.74	24.28
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.35	26.55
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.38	28.73
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	599.38	30.92
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	671.16	33.17
		For Stainless Steel, Add	*685.96*	
		For Parallel Blade Damper, Add	*228.65*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	757.37	35.36
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	825.88	36.43
		For Stainless Steel, Add	*859.68*	
		For Parallel Blade Damper, Add	*286.56*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	915.97	37.55
		For Stainless Steel, Add	*963.80*	
		For Parallel Blade Damper, Add	*321.27*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	987.75	39.74
		For Stainless Steel, Add	*1,041.97*	
		For Parallel Blade Damper, Add	*347.32*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.88	40.87
		For Stainless Steel, Add	*1,146.16*	
		For Parallel Blade Damper, Add	*382.05*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,145.74	44.19
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.06	18.78
		For Stainless Steel, Add	*390.79*	
		For Parallel Blade Damper, Add	*130.26*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	414.30	19.91
		For Stainless Steel, Add	*425.50*	
		For Parallel Blade Damper, Add	*141.83*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.85	22.10
		For Stainless Steel, Add	*460.20*	
		For Parallel Blade Damper, Add	*153.40*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	463.74	24.28
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	502.97	26.55
		For Stainless Steel, Add	*508.01*	
		For Parallel Blade Damper, Add	*169.34*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	542.14	28.73
		For Stainless Steel, Add	*547.07*	
		For Parallel Blade Damper, Add	*182.36*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.19	30.92
		For Stainless Steel, Add	*599.16*	
		For Parallel Blade Damper, Add	*199.72*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	642.24	33.17
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	714.01	35.36
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	807.42	37.55
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	883.07	38.68
		For Stainless Steel, Add	*920.34*	
		For Parallel Blade Damper, Add	*306.78*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	980.51	39.74
		For Stainless Steel, Add	*1,033.28*	
		For Parallel Blade Damper, Add	*344.43*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,073.91	42.00
		For Stainless Steel, Add	*1,137.41*	
		For Parallel Blade Damper, Add	*379.14*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,145.74	44.19
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,242.50	47.51
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,321.53	49.70
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.86	19.91
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.61	22.10
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	470.98	24.28
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.81	26.55
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	531.27	28.73
		For Stainless Steel, Add	*534.02*	
		For Parallel Blade Damper, Add	*178.01*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.70	30.92
		For Stainless Steel, Add	*581.77*	
		For Parallel Blade Damper, Add	*193.92*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	624.13	33.17
		For Stainless Steel, Add	*629.52*	
		For Parallel Blade Damper, Add	*209.84*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	670.55	35.36
		For Stainless Steel, Add	*677.27*	
		For Parallel Blade Damper, Add	*225.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	764.01	37.55
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	854.20	38.68
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	937.10	39.74
		For Stainless Steel, Add	*981.19*	
		For Parallel Blade Damper, Add	*327.06*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,045.04	42.00
		For Stainless Steel, Add	*1,102.76*	
		For Parallel Blade Damper, Add	*367.59*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,138.50	44.19
		For Stainless Steel, Add	*1,206.95*	
		For Parallel Blade Damper, Add	*402.32*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,239.19	46.38
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,318.21	48.64
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,418.91	50.83
		For Stainless Steel, Add	*1,519.56*	
		For Parallel Blade Damper, Add	*506.52*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,519.61	53.02
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.17	22.10
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	470.98	24.28
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	492.06	26.55
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	505.97	28.73
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.02	30.92
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	606.02	33.17
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	

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23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	659.68	35.36
		For Stainless Steel, Add	*664.22*	
		For Parallel Blade Damper, Add	*221.41*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	713.36	37.55
		For Stainless Steel, Add	*720.67*	
		For Parallel Blade Damper, Add	*240.22*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	810.74	38.68
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	900.88	39.74
		For Stainless Steel, Add	*937.73*	
		For Parallel Blade Damper, Add	*312.58*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,001.63	42.00
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,102.33	44.19
		For Stainless Steel, Add	*1,163.54*	
		For Parallel Blade Damper, Add	*387.85*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,181.30	46.38
		For Stainless Steel, Add	*1,250.35*	
		For Parallel Blade Damper, Add	*416.78*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,303.67	48.64
		For Stainless Steel, Add	*1,389.24*	
		For Parallel Blade Damper, Add	*463.08*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,411.62	50.83
		For Stainless Steel, Add	*1,510.81*	
		For Parallel Blade Damper, Add	*503.60*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,519.61	53.02
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,612.97	55.27
		For Stainless Steel, Add	*1,736.51*	
		For Parallel Blade Damper, Add	*578.84*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,706.53	57.46
		For Stainless Steel, Add	*1,840.81*	
		For Parallel Blade Damper, Add	*613.60*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	139.18	7.17
		For Smoke Damper, Add	*99.97*	
		For Spring Activated Horizontal Mount Operation, Add	*26.46*	
		For Dynamic Damper, Add	*63.51*	
		For 3 Hour Rated, Add	*35.28*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	203.34	7.17
		For Smoke Damper, Add	*154.50*	
		For Spring Activated Horizontal Mount Operation, Add	*40.90*	
		For Dynamic Damper, Add	*98.16*	
		For 3 Hour Rated, Add	*54.53*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	54.16	7.36
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	57.43	7.70
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.86	7.76
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.86	7.76
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.81	7.96
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.04	8.83
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	62.81	7.96
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	68.70	8.43
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.34	8.83
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.93	9.95
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.56	8.43
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.34	8.83
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.95	9.29
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.22	9.95
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.27	11.08
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.29*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.34	8.83
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.61	9.49
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.56	10.42
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.82	11.08
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.43*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.16*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.88	12.14
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.53*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.93	13.27
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.95	9.29
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.36	9.95
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.13	11.08
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.18	12.14
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.07	13.27
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.11	14.34
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.85	15.46
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.18*	
		For 3 Hour Rated, Add	*22.32*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.60*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.22	9.95
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.11	11.08
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.02	12.14
		For Spring Activated Horizontal Mount Operation, Add	*13.39*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.88*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.52	13.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.27	14.34
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.01	15.46
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.90	16.59
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.79	17.65
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.41	11.08
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.61	12.14
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.52	13.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.70	14.34
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.44	15.46
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.19	16.59
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.38	17.65
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.88	19.91
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.68	22.10
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	100.61	12.14
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.52	13.27
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.70	14.34
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.58	15.46
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.62	16.59
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.36*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.65	17.65
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.17	19.91
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.68	22.10
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.73	23.23
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.82	25.42
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.38	13.27
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.97	14.34
		For Spring Activated Horizontal Mount Operation, Add	*17.51*	
		For Dynamic Damper, Add	*42.03*	
		For 3 Hour Rated, Add	*23.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.58	15.46
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.47	16.59
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.09	17.65
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.00*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.17	19.91
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.98	22.10
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.77	24.28
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.82	25.42
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.16	27.21
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.11	28.73
		For Spring Activated Horizontal Mount Operation, Add	*37.09*	
		For Dynamic Damper, Add	*89.02*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.56	14.34
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.44	15.46
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.98*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.33	16.59
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.53	17.65
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.62	19.91
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.37	20.97
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.77	24.28
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.85	26.55
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.39	27.40
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.80*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.53	29.40
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.19	30.92
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.20*	
		For 3 Hour Rated, Add	*52.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.82	32.04
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.09*	
		For 3 Hour Rated, Add	*58.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.65*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.15	16.59
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.63	17.65
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.69*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.24	18.78
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.85	19.91
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.51	20.97
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.49*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.84	22.10
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.96	25.42
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.76	27.60
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.80	29.40
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.62	30.92
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.66	32.72
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.15*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.51	33.57
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.75*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.66*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.71	35.36
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.06	16.59
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.53	17.65
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.73	18.78
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.35	19.91
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.82	20.97
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.29	22.10
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.02	26.55
		For Spring Activated Horizontal Mount Operation, Add	*30.91*	
		For Dynamic Damper, Add	*74.19*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.08	28.73
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.62	30.92
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.87	33.17
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.38	35.36
		For Spring Activated Horizontal Mount Operation, Add	*48.42*	
		For Dynamic Damper, Add	*116.22*	
		For 3 Hour Rated, Add	*64.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.31	36.43
		For Spring Activated Horizontal Mount Operation, Add	*53.06*	
		For Dynamic Damper, Add	*127.35*	
		For 3 Hour Rated, Add	*70.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.96*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.24	37.55
		For Spring Activated Horizontal Mount Operation, Add	*57.70*	
		For Dynamic Damper, Add	*138.48*	
		For 3 Hour Rated, Add	*76.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.11*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.18	38.68
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.24	17.65
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.73	18.78
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.35	19.91
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.84	22.10
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.64	24.28
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.44	26.55
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.80	28.73
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.17	30.92
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.42	33.17
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.68*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.22*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.22	35.36
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.17	36.43
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.41*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.67*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.94	37.55
		For Spring Activated Horizontal Mount Operation, Add	*57.18*	
		For Dynamic Damper, Add	*137.24*	
		For 3 Hour Rated, Add	*76.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.21	39.74
		For Spring Activated Horizontal Mount Operation, Add	*61.82*	
		For Dynamic Damper, Add	*148.38*	
		For 3 Hour Rated, Add	*82.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.69*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.99	40.87
		For Spring Activated Horizontal Mount Operation, Add	*68.00*	
		For Dynamic Damper, Add	*163.21*	
		For 3 Hour Rated, Add	*90.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.56*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.26	44.19
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.44	18.78
		For Spring Activated Horizontal Mount Operation, Add	*23.18*	
		For Dynamic Damper, Add	*55.64*	
		For 3 Hour Rated, Add	*30.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.92	19.91
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.70	22.10
		For Spring Activated Horizontal Mount Operation, Add	*27.30*	
		For Dynamic Damper, Add	*65.53*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.64	24.28
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.59	26.55
		For Spring Activated Horizontal Mount Operation, Add	*30.14*	
		For Dynamic Damper, Add	*72.34*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.51	28.73
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.90*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.89	30.92
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.32*	
		For 3 Hour Rated, Add	*47.40*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.50*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.26	33.17
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.50	35.36
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.61	37.55
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.81	38.68
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.05*	
		For 3 Hour Rated, Add	*72.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.67*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.92	39.74
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.14*	
		For 3 Hour Rated, Add	*81.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.12*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.00	42.00
		For Spring Activated Horizontal Mount Operation, Add	*67.48*	
		For Dynamic Damper, Add	*161.96*	
		For 3 Hour Rated, Add	*89.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.98*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.26	44.19
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.68	47.51
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.22	49.70
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.35	19.91
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.41	22.10
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.93	24.28
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.85	26.55
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.07	28.73
		For Spring Activated Horizontal Mount Operation, Add	*31.68*	
		For Dynamic Damper, Add	*76.04*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.30	30.92
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.84*	
		For 3 Hour Rated, Add	*46.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.53	33.17
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.64*	
		For 3 Hour Rated, Add	*49.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.50*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.75	35.36
		For Spring Activated Horizontal Mount Operation, Add	*40.18*	
		For Dynamic Damper, Add	*96.44*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.86	37.55
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.67	38.68
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.17	39.74
		For Spring Activated Horizontal Mount Operation, Add	*58.21*	
		For Dynamic Damper, Add	*139.71*	
		For 3 Hour Rated, Add	*77.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.68*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.86	42.00
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.03*	
		For 3 Hour Rated, Add	*87.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.70*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.97	44.19
		For Spring Activated Horizontal Mount Operation, Add	*71.61*	
		For Dynamic Damper, Add	*171.86*	
		For 3 Hour Rated, Add	*95.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.57*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.37	46.38
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.90	48.64
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.30	50.83
		For Spring Activated Horizontal Mount Operation, Add	*90.16*	
		For Dynamic Damper, Add	*216.37*	
		For 3 Hour Rated, Add	*120.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.17*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.70	53.02
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.84	22.10
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.93	24.28
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.14	26.55
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.06	28.73
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.44	30.92
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.81	33.17
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.32	35.36
		For Spring Activated Horizontal Mount Operation, Add	*39.41*	
		For Dynamic Damper, Add	*94.59*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.79*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.84	37.55
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.62*	
		For 3 Hour Rated, Add	*57.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.51*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.93	38.68
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.72	39.74
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.53*	
		For 3 Hour Rated, Add	*74.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.82*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.13	42.00
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.54	44.19
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.69*	
		For 3 Hour Rated, Add	*92.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.71*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.05	46.38
		For Spring Activated Horizontal Mount Operation, Add	*74.18*	
		For Dynamic Damper, Add	*178.04*	
		For 3 Hour Rated, Add	*98.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.43*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.31	48.64
		For Spring Activated Horizontal Mount Operation, Add	*82.43*	
		For Dynamic Damper, Add	*197.82*	
		For 3 Hour Rated, Add	*109.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.59*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.01	50.83
		For Spring Activated Horizontal Mount Operation, Add	*89.64*	
		For Dynamic Damper, Add	*215.14*	
		For 3 Hour Rated, Add	*119.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.60*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.70	53.02
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.79	55.27
		For Spring Activated Horizontal Mount Operation, Add	*103.03*	
		For Dynamic Damper, Add	*247.27*	
		For 3 Hour Rated, Add	*137.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.48*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	657.94	57.46
		For Spring Activated Horizontal Mount Operation, Add	*109.22*	
		For Dynamic Damper, Add	*262.13*	
		For 3 Hour Rated, Add	*145.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.36*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.44	7.36
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.82*	
		For 3 Hour Rated, Add	*19.90*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.27	7.70
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.75*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.28	7.76
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.28	7.76
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.81	7.96
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.18	8.83
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.81	7.96
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.84	8.43
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.05	8.83
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.22	9.95
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.42	8.43
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.77*	
		For 3 Hour Rated, Add	*23.76*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.05	8.83
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.24	9.29
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.08	9.95
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.18*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.56	11.08
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.05*	
		For 3 Hour Rated, Add	*28.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.18	8.83
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.98*	
		For 3 Hour Rated, Add	*34.99*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.36	9.49
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.24	10.42
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.41	11.08
		For Spring Activated Horizontal Mount Operation, Add	*28.40*	
		For Dynamic Damper, Add	*68.17*	
		For 3 Hour Rated, Add	*37.87*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.77	12.14
		For Spring Activated Horizontal Mount Operation, Add	*30.21*	
		For Dynamic Damper, Add	*72.51*	
		For 3 Hour Rated, Add	*40.28*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.11	13.27
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.84*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.70	9.29
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.50	9.95
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.31*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.65	11.08
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.97	12.14
		For Spring Activated Horizontal Mount Operation, Add	*30.93*	
		For Dynamic Damper, Add	*74.24*	
		For 3 Hour Rated, Add	*41.24*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.70	13.27
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.70*	
		For 3 Hour Rated, Add	*43.17*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.04	14.34
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.03*	
		For 3 Hour Rated, Add	*45.57*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.15	15.46
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.62*	
		For 3 Hour Rated, Add	*47.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.90	9.95
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.61	11.08
		For Spring Activated Horizontal Mount Operation, Add	*29.12*	
		For Dynamic Damper, Add	*69.90*	
		For 3 Hour Rated, Add	*38.83*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.36	12.14
		For Spring Activated Horizontal Mount Operation, Add	*30.57*	
		For Dynamic Damper, Add	*73.37*	
		For 3 Hour Rated, Add	*40.76*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.53	13.27
		For Spring Activated Horizontal Mount Operation, Add	*33.46*	
		For Dynamic Damper, Add	*80.31*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.65	14.34
		For Spring Activated Horizontal Mount Operation, Add	*34.54*	
		For Dynamic Damper, Add	*82.90*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.76	15.46
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.49*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.48	16.59
		For Spring Activated Horizontal Mount Operation, Add	*37.06*	
		For Dynamic Damper, Add	*88.95*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.20	17.65
		For Spring Activated Horizontal Mount Operation, Add	*38.50*	
		For Dynamic Damper, Add	*92.40*	
		For 3 Hour Rated, Add	*51.34*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.10	11.08
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.82*	
		For 3 Hour Rated, Add	*47.68*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.05	12.14
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.79	13.27
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.71	14.34
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.83	15.46
		For Spring Activated Horizontal Mount Operation, Add	*42.61*	
		For Dynamic Damper, Add	*102.27*	
		For 3 Hour Rated, Add	*56.82*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.95	16.59
		For Spring Activated Horizontal Mount Operation, Add	*43.69*	
		For Dynamic Damper, Add	*104.86*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.88	17.65
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.05*	
		For 3 Hour Rated, Add	*61.14*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.14	19.91
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.25*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.60	22.10
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.05	12.14
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.79	13.27
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.71	14.34
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.43	15.46
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.77	16.59
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.47*	
		For 3 Hour Rated, Add	*59.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.07	17.65
		For Spring Activated Horizontal Mount Operation, Add	*46.57*	
		For Dynamic Damper, Add	*111.77*	
		For 3 Hour Rated, Add	*62.10*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.34	19.91
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.60	22.10
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.15	23.23
		For Spring Activated Horizontal Mount Operation, Add	*55.23*	
		For Dynamic Damper, Add	*132.56*	
		For 3 Hour Rated, Add	*73.64*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.82	25.42
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.39	13.27
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.90	14.34
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.40*	
		For 3 Hour Rated, Add	*56.33*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.43	15.46
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.14	16.59
		For Spring Activated Horizontal Mount Operation, Add	*44.41*	
		For Dynamic Damper, Add	*106.59*	
		For 3 Hour Rated, Add	*59.21*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.68	17.65
		For Spring Activated Horizontal Mount Operation, Add	*46.71*	
		For Dynamic Damper, Add	*112.10*	
		For 3 Hour Rated, Add	*62.28*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.34	19.91
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.82	22.10
		For Spring Activated Horizontal Mount Operation, Add	*51.63*	
		For Dynamic Damper, Add	*123.91*	
		For 3 Hour Rated, Add	*68.84*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.28	24.28
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.84*	
		For 3 Hour Rated, Add	*72.69*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.82	25.42
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.57	27.21
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.34*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.84	28.73
		For Spring Activated Horizontal Mount Operation, Add	*69.66*	
		For Dynamic Damper, Add	*167.18*	
		For 3 Hour Rated, Add	*92.88*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.82	14.34
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.77*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.43	15.46
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.71*	
		For 3 Hour Rated, Add	*65.40*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.07	16.59
		For Spring Activated Horizontal Mount Operation, Add	*50.69*	
		For Dynamic Damper, Add	*121.67*	
		For 3 Hour Rated, Add	*67.59*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.40	17.65
		For Spring Activated Horizontal Mount Operation, Add	*53.17*	
		For Dynamic Damper, Add	*127.61*	
		For 3 Hour Rated, Add	*70.90*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.55	19.91
		For Spring Activated Horizontal Mount Operation, Add	*54.41*	
		For Dynamic Damper, Add	*130.59*	
		For 3 Hour Rated, Add	*72.55*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.37	20.97
		For Spring Activated Horizontal Mount Operation, Add	*55.65*	
		For Dynamic Damper, Add	*133.56*	
		For 3 Hour Rated, Add	*74.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.64	24.28
		For Spring Activated Horizontal Mount Operation, Add	*59.77*	
		For Dynamic Damper, Add	*143.45*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.57	26.55
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.33*	
		For 3 Hour Rated, Add	*85.18*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.20	27.40
		For Spring Activated Horizontal Mount Operation, Add	*68.83*	
		For Dynamic Damper, Add	*165.20*	
		For 3 Hour Rated, Add	*91.78*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.48	29.40
		For Spring Activated Horizontal Mount Operation, Add	*75.43*	
		For Dynamic Damper, Add	*181.02*	
		For 3 Hour Rated, Add	*100.57*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.75	30.92
		For Spring Activated Horizontal Mount Operation, Add	*81.19*	
		For Dynamic Damper, Add	*194.86*	
		For 3 Hour Rated, Add	*108.26*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.38	32.04
		For Spring Activated Horizontal Mount Operation, Add	*87.79*	
		For Dynamic Damper, Add	*210.69*	
		For 3 Hour Rated, Add	*117.05*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.03	16.59
		For Spring Activated Horizontal Mount Operation, Add	*54.13*	
		For Dynamic Damper, Add	*129.92*	
		For 3 Hour Rated, Add	*72.18*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.01	17.65
		For Spring Activated Horizontal Mount Operation, Add	*57.43*	
		For Dynamic Damper, Add	*137.84*	
		For 3 Hour Rated, Add	*76.58*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.99	18.78
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.98	19.91
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.46	20.97
		For Spring Activated Horizontal Mount Operation, Add	*61.97*	
		For Dynamic Damper, Add	*148.73*	
		For 3 Hour Rated, Add	*82.63*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.58	22.10
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.20	25.42
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.49	27.60
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.78	29.40
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.71	30.92
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.98	32.72
		For Spring Activated Horizontal Mount Operation, Add	*90.40*	
		For Dynamic Damper, Add	*216.96*	
		For 3 Hour Rated, Add	*120.53*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.96	33.57
		For Spring Activated Horizontal Mount Operation, Add	*99.47*	
		For Dynamic Damper, Add	*238.73*	
		For 3 Hour Rated, Add	*132.63*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.89	35.36
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.69	16.59
		For Spring Activated Horizontal Mount Operation, Add	*55.78*	
		For Dynamic Damper, Add	*133.88*	
		For 3 Hour Rated, Add	*74.38*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.66	17.65
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.00	18.78
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.98	19.91
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.95	20.97
		For Spring Activated Horizontal Mount Operation, Add	*65.68*	
		For Dynamic Damper, Add	*157.63*	
		For 3 Hour Rated, Add	*87.57*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.92	22.10
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.51	26.55
		For Spring Activated Horizontal Mount Operation, Add	*73.10*	
		For Dynamic Damper, Add	*175.44*	
		For 3 Hour Rated, Add	*97.46*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.43	28.73
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.32*	
		For 3 Hour Rated, Add	*102.95*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.71	30.92
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.32	33.17
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	555.56	35.36
		For Spring Activated Horizontal Mount Operation, Add	*101.12*	
		For Dynamic Damper, Add	*242.68*	
		For 3 Hour Rated, Add	*134.82*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.85	36.43
		For Spring Activated Horizontal Mount Operation, Add	*108.53*	
		For Dynamic Damper, Add	*260.48*	
		For 3 Hour Rated, Add	*144.71*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	628.16	37.55
		For Spring Activated Horizontal Mount Operation, Add	*115.96*	
		For Dynamic Damper, Add	*278.29*	
		For 3 Hour Rated, Add	*154.61*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.47	38.68
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.99	17.65
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.00	18.78
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.98	19.91
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.58	22.10
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.88	24.28
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.17	26.55
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.78	28.73
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.38	30.92
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.01	33.17
		For Spring Activated Horizontal Mount Operation, Add	*88.76*	
		For Dynamic Damper, Add	*213.02*	
		For 3 Hour Rated, Add	*118.34*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.91	35.36
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.23	36.43
		For Spring Activated Horizontal Mount Operation, Add	*105.24*	
		For Dynamic Damper, Add	*252.59*	
		For 3 Hour Rated, Add	*140.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.48	37.55
		For Spring Activated Horizontal Mount Operation, Add	*115.13*	
		For Dynamic Damper, Add	*276.31*	
		For 3 Hour Rated, Add	*153.50*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.13	39.74
		For Spring Activated Horizontal Mount Operation, Add	*122.56*	
		For Dynamic Damper, Add	*294.13*	
		For 3 Hour Rated, Add	*163.41*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.39	40.87
		For Spring Activated Horizontal Mount Operation, Add	*132.44*	
		For Dynamic Damper, Add	*317.87*	
		For 3 Hour Rated, Add	*176.59*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.66	44.19
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.32	18.78
		For Spring Activated Horizontal Mount Operation, Add	*60.73*	
		For Dynamic Damper, Add	*145.76*	
		For 3 Hour Rated, Add	*80.98*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.29	19.91
		For Spring Activated Horizontal Mount Operation, Add	*64.03*	
		For Dynamic Damper, Add	*153.67*	
		For 3 Hour Rated, Add	*85.37*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.58	22.10
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.58*	
		For 3 Hour Rated, Add	*89.77*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.88	24.28
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.03	26.55
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.48*	
		For 3 Hour Rated, Add	*95.82*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.11	28.73
		For Spring Activated Horizontal Mount Operation, Add	*75.57*	
		For Dynamic Damper, Add	*181.36*	
		For 3 Hour Rated, Add	*100.76*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.74	30.92
		For Spring Activated Horizontal Mount Operation, Add	*80.52*	
		For Dynamic Damper, Add	*193.24*	
		For 3 Hour Rated, Add	*107.36*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.35	33.17
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.95	35.36
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.54	37.55
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.49	38.68
		For Spring Activated Horizontal Mount Operation, Add	*111.01*	
		For Dynamic Damper, Add	*266.42*	
		For 3 Hour Rated, Add	*148.01*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.45	39.74
		For Spring Activated Horizontal Mount Operation, Add	*121.73*	
		For Dynamic Damper, Add	*292.15*	
		For 3 Hour Rated, Add	*162.30*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.01	42.00
		For Spring Activated Horizontal Mount Operation, Add	*131.61*	
		For Dynamic Damper, Add	*315.87*	
		For 3 Hour Rated, Add	*175.48*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.66	44.19
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.54	47.51
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	847.83	49.70
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.98	19.91
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.90	22.10
		For Spring Activated Horizontal Mount Operation, Add	*66.50*	
		For Dynamic Damper, Add	*159.60*	
		For 3 Hour Rated, Add	*88.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.56	24.28
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.84	26.55
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.51*	
		For 3 Hour Rated, Add	*93.06*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.63	28.73
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.41*	
		For 3 Hour Rated, Add	*99.11*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.40	30.92
		For Spring Activated Horizontal Mount Operation, Add	*78.86*	
		For Dynamic Damper, Add	*189.28*	
		For 3 Hour Rated, Add	*105.15*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.20	33.17
		For Spring Activated Horizontal Mount Operation, Add	*83.40*	
		For Dynamic Damper, Add	*200.16*	
		For 3 Hour Rated, Add	*111.20*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.96	35.36
		For Spring Activated Horizontal Mount Operation, Add	*87.93*	
		For Dynamic Damper, Add	*211.03*	
		For 3 Hour Rated, Add	*117.24*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.55	37.55
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.85	38.68
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.46	39.74
		For Spring Activated Horizontal Mount Operation, Add	*116.78*	
		For Dynamic Damper, Add	*280.27*	
		For 3 Hour Rated, Add	*155.71*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.39	42.00
		For Spring Activated Horizontal Mount Operation, Add	*128.32*	
		For Dynamic Damper, Add	*307.97*	
		For 3 Hour Rated, Add	*171.10*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.98	44.19
		For Spring Activated Horizontal Mount Operation, Add	*138.21*	
		For Dynamic Damper, Add	*331.71*	
		For 3 Hour Rated, Add	*184.28*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.23	46.38
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.51	48.64
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.77	50.83
		For Spring Activated Horizontal Mount Operation, Add	*167.89*	
		For Dynamic Damper, Add	*402.93*	
		For 3 Hour Rated, Add	*223.85*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	953.03	53.02
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.58	22.10
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.56	24.28
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.50	26.55
		For Spring Activated Horizontal Mount Operation, Add	*70.62*	
		For Dynamic Damper, Add	*169.49*	
		For 3 Hour Rated, Add	*94.16*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.79	28.73
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.42	30.92
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.02	33.17
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.46	35.36
		For Spring Activated Horizontal Mount Operation, Add	*86.69*	
		For Dynamic Damper, Add	*208.06*	
		For 3 Hour Rated, Add	*115.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.92	37.55
		For Spring Activated Horizontal Mount Operation, Add	*92.05*	
		For Dynamic Damper, Add	*220.92*	
		For 3 Hour Rated, Add	*122.74*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.86	38.68
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.14	39.74
		For Spring Activated Horizontal Mount Operation, Add	*112.66*	
		For Dynamic Damper, Add	*270.38*	
		For 3 Hour Rated, Add	*150.21*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.42	42.00
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	728.68	44.19
		For Spring Activated Horizontal Mount Operation, Add	*134.09*	
		For Dynamic Damper, Add	*321.82*	
		For 3 Hour Rated, Add	*178.79*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.94	46.38
		For Spring Activated Horizontal Mount Operation, Add	*142.34*	
		For Dynamic Damper, Add	*341.60*	
		For 3 Hour Rated, Add	*189.78*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	837.17	48.64
		For Spring Activated Horizontal Mount Operation, Add	*155.52*	
		For Dynamic Damper, Add	*373.25*	
		For 3 Hour Rated, Add	*207.36*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	895.10	50.83
		For Spring Activated Horizontal Mount Operation, Add	*167.06*	
		For Dynamic Damper, Add	*400.94*	
		For 3 Hour Rated, Add	*222.75*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	953.03	53.02
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,003.60	55.27
		For Spring Activated Horizontal Mount Operation, Add	*188.49*	
		For Dynamic Damper, Add	*452.37*	
		For 3 Hour Rated, Add	*251.32*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,054.24	57.46
		For Spring Activated Horizontal Mount Operation, Add	*198.39*	
		For Dynamic Damper, Add	*476.13*	
		For 3 Hour Rated, Add	*264.52*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	115.20	13.27
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	121.55	13.27
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	144.20	15.06
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	151.10	15.06
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	185.19	16.59
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	204.18	16.59
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	226.91	18.45
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	254.80	20.77
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	289.27	23.68

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	129.45	15.06
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	146.74	15.06
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	167.29	16.59
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	189.60	16.59
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	215.67	18.45
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	229.27	18.45
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	255.23	20.77
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	280.63	23.68
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	327.40	27.67

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.57	11.05
		For Dynamic Damper, Add	*303.17*	
		For 3 Hour Rated, Add	*168.43*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.77	11.55
		For Dynamic Damper, Add	*310.57*	
		For 3 Hour Rated, Add	*172.54*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.84	11.65
		For Dynamic Damper, Add	*318.07*	
		For 3 Hour Rated, Add	*176.70*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.19	11.65
		For Dynamic Damper, Add	*298.27*	
		For 3 Hour Rated, Add	*165.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.13	11.94
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.06	13.24
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.13	11.94
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.07	12.64
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.00	13.24
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.00	14.93
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.60	12.64
		For Dynamic Damper, Add	*315.78*	
		For 3 Hour Rated, Add	*175.43*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.00	13.24
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.01	13.93
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.02	14.93
		For Dynamic Damper, Add	*340.32*	
		For 3 Hour Rated, Add	*189.07*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.41	16.62
		For Dynamic Damper, Add	*357.83*	
		For 3 Hour Rated, Add	*198.80*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.61	13.24
		For Dynamic Damper, Add	*360.07*	
		For 3 Hour Rated, Add	*200.04*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.65	14.23
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	729.68	15.63
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.60	16.62
		For Dynamic Damper, Add	*373.05*	
		For 3 Hour Rated, Add	*207.25*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	765.68	18.22
		For Dynamic Damper, Add	*383.91*	
		For 3 Hour Rated, Add	*213.28*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	790.71	19.91
		For Dynamic Damper, Add	*394.73*	
		For 3 Hour Rated, Add	*219.30*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.65	13.93
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.63	14.93
		For Dynamic Damper, Add	*370.89*	
		For 3 Hour Rated, Add	*206.05*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	748.71	16.62
		For Dynamic Damper, Add	*377.43*	
		For 3 Hour Rated, Add	*209.69*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.73	18.22
		For Dynamic Damper, Add	*388.25*	
		For 3 Hour Rated, Add	*215.70*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	794.71	19.91
		For Dynamic Damper, Add	*396.89*	
		For 3 Hour Rated, Add	*220.50*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.73	21.49
		For Dynamic Damper, Add	*407.72*	
		For 3 Hour Rated, Add	*226.51*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	836.75	23.19
		For Dynamic Damper, Add	*414.22*	
		For 3 Hour Rated, Add	*230.12*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	727.69	14.93
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	748.65	16.62
		For Dynamic Damper, Add	*377.40*	
		For 3 Hour Rated, Add	*209.67*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	769.68	18.22
		For Dynamic Damper, Add	*386.07*	
		For 3 Hour Rated, Add	*214.48*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	806.81	19.91
		For Dynamic Damper, Add	*403.43*	
		For 3 Hour Rated, Add	*224.13*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.78	21.49
		For Dynamic Damper, Add	*409.90*	
		For 3 Hour Rated, Add	*227.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	840.75	23.19
		For Dynamic Damper, Add	*416.38*	
		For 3 Hour Rated, Add	*231.32*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	861.78	24.89
		For Dynamic Damper, Add	*425.05*	
		For 3 Hour Rated, Add	*236.14*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	882.75	26.47
		For Dynamic Damper, Add	*433.68*	
		For 3 Hour Rated, Add	*240.94*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.27	16.62
		For Dynamic Damper, Add	*373.42*	
		For 3 Hour Rated, Add	*207.45*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.48	18.22
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.31	19.91
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.44	21.49
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	812.53	23.19
		For Dynamic Damper, Add	*401.14*	
		For 3 Hour Rated, Add	*222.86*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	825.59	24.89
		For Dynamic Damper, Add	*405.51*	
		For 3 Hour Rated, Add	*225.28*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	846.76	26.47
		For Dynamic Damper, Add	*414.25*	
		For 3 Hour Rated, Add	*230.14*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	872.90	29.85
		For Dynamic Damper, Add	*423.00*	
		For 3 Hour Rated, Add	*235.00*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.47	33.14
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.48	18.22
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.31	19.91
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.44	21.49
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	815.22	23.19
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.70	24.89
		For Dynamic Damper, Add	*409.89*	
		For 3 Hour Rated, Add	*227.72*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.15	26.47
		For Dynamic Damper, Add	*417.16*	
		For 3 Hour Rated, Add	*231.76*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.28	29.85
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.47	33.14
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.83	34.83
		For Dynamic Damper, Add	*452.16*	
		For 3 Hour Rated, Add	*251.20*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	978.79	38.12
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	794.46	19.91
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.83	21.49
		For Dynamic Damper, Add	*399.67*	
		For 3 Hour Rated, Add	*222.04*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	815.22	23.19
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.97	24.89
		For Dynamic Damper, Add	*408.41*	
		For 3 Hour Rated, Add	*226.90*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	853.15	26.47
		For Dynamic Damper, Add	*417.70*	
		For 3 Hour Rated, Add	*232.06*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.28	29.85
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	909.89	33.14
		For Dynamic Damper, Add	*437.59*	
		For 3 Hour Rated, Add	*243.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.46	36.43
		For Dynamic Damper, Add	*449.27*	
		For 3 Hour Rated, Add	*249.59*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	978.79	38.12
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,024.59	40.81
		For Dynamic Damper, Add	*487.17*	
		For 3 Hour Rated, Add	*270.65*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,074.72	43.09
		For Dynamic Damper, Add	*510.48*	
		For 3 Hour Rated, Add	*283.60*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	832.55	21.49
		For Dynamic Damper, Add	*414.64*	
		For 3 Hour Rated, Add	*230.36*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	849.23	23.19
		For Dynamic Damper, Add	*420.96*	
		For 3 Hour Rated, Add	*233.87*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.95	24.89
		For Dynamic Damper, Add	*427.30*	
		For 3 Hour Rated, Add	*237.39*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.56	26.47
		For Dynamic Damper, Add	*436.82*	
		For 3 Hour Rated, Add	*242.68*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.33	29.85
		For Dynamic Damper, Add	*441.59*	
		For 3 Hour Rated, Add	*245.33*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	921.11	31.45
		For Dynamic Damper, Add	*446.34*	
		For 3 Hour Rated, Add	*247.97*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	965.41	36.43
		For Dynamic Damper, Add	*462.20*	
		For 3 Hour Rated, Add	*256.78*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,004.67	39.81
		For Dynamic Damper, Add	*478.02*	
		For 3 Hour Rated, Add	*265.57*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,043.87	41.11
		For Dynamic Damper, Add	*497.04*	
		For 3 Hour Rated, Add	*276.14*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,099.79	44.09
		For Dynamic Damper, Add	*522.41*	
		For 3 Hour Rated, Add	*290.23*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,147.80	46.38
		For Dynamic Damper, Add	*544.57*	
		For 3 Hour Rated, Add	*302.54*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,199.73	48.07
		For Dynamic Damper, Add	*569.93*	
		For 3 Hour Rated, Add	*316.63*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,373.28	24.89
		For Dynamic Damper, Add	*703.95*	
		For 3 Hour Rated, Add	*391.08*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,409.73	26.47
		For Dynamic Damper, Add	*720.94*	
		For 3 Hour Rated, Add	*400.52*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,422.61	28.16
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,435.49	29.85
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,473.00	31.45
		For Dynamic Damper, Add	*744.36*	
		For 3 Hour Rated, Add	*413.54*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,505.60	33.14
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,552.05	38.12
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,593.47	41.40
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,648.76	44.09
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,742.34	46.38
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,797.53	49.07
		For Dynamic Damper, Add	*891.12*	
		For 3 Hour Rated, Add	*495.07*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,888.22	50.36
		For Dynamic Damper, Add	*937.95*	
		For 3 Hour Rated, Add	*521.08*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,974.98	53.05
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,394.02	24.89
		For Dynamic Damper, Add	*712.46*	
		For 3 Hour Rated, Add	*395.81*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,430.52	26.47
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,459.15	28.16
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,472.02	29.85
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,508.52	31.45
		For Dynamic Damper, Add	*763.54*	
		For 3 Hour Rated, Add	*424.19*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,544.98	33.14
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,604.31	39.81
		For Dynamic Damper, Add	*801.83*	
		For 3 Hour Rated, Add	*445.46*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,653.59	43.09
		For Dynamic Damper, Add	*823.07*	
		For 3 Hour Rated, Add	*457.26*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,742.34	46.38
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,823.19	49.76
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,911.89	53.05
		For Dynamic Damper, Add	*946.43*	
		For 3 Hour Rated, Add	*525.80*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,987.76	54.64
		For Dynamic Damper, Add	*984.71*	
		For 3 Hour Rated, Add	*547.06*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,063.69	56.33
		For Dynamic Damper, Add	*1,023.02*	
		For 3 Hour Rated, Add	*568.35*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,139.61	58.03
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,422.61	26.47
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,459.15	28.16
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,472.02	29.85
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,505.60	33.14
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,547.07	36.43
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,588.50	39.81
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,645.78	43.09
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,702.96	46.38
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,783.81	49.76
		For Dynamic Damper, Add	*882.64*	
		For 3 Hour Rated, Add	*490.36*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,880.37	53.05
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,956.34	54.64
		For Dynamic Damper, Add	*967.74*	
		For 3 Hour Rated, Add	*537.64*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,055.78	56.33
		For Dynamic Damper, Add	*1,018.75*	
		For 3 Hour Rated, Add	*565.97*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,136.68	59.62
		For Dynamic Damper, Add	*1,057.07*	
		For 3 Hour Rated, Add	*587.26*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,236.22	61.31
		For Dynamic Damper, Add	*1,108.13*	
		For 3 Hour Rated, Add	*615.63*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,314.13	66.29
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,451.25	28.16
		For Dynamic Damper, Add	*737.99*	
		For 3 Hour Rated, Add	*410.00*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,487.74	29.85
		For Dynamic Damper, Add	*755.01*	
		For 3 Hour Rated, Add	*419.45*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,529.22	33.14
		For Dynamic Damper, Add	*772.03*	
		For 3 Hour Rated, Add	*428.91*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,547.07	36.43
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,592.50	39.81
		For Dynamic Damper, Add	*795.45*	
		For 3 Hour Rated, Add	*441.92*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,637.88	43.09
		For Dynamic Damper, Add	*814.58*	
		For 3 Hour Rated, Add	*452.55*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,695.11	46.38
		For Dynamic Damper, Add	*840.12*	
		For 3 Hour Rated, Add	*466.73*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,752.29	49.76
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,833.14	53.05
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,937.66	56.33
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,021.34	58.03
		For Dynamic Damper, Add	*997.47*	
		For 3 Hour Rated, Add	*554.15*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,128.82	59.62
		For Dynamic Damper, Add	*1,052.82*	
		For 3 Hour Rated, Add	*584.90*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,233.25	63.00
		For Dynamic Damper, Add	*1,103.84*	
		For 3 Hour Rated, Add	*613.24*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,314.13	66.29
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,423.57	71.27
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,512.33	74.55
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,472.02	29.85
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,521.31	33.14
		For Dynamic Damper, Add	*767.76*	
		For 3 Hour Rated, Add	*426.53*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,554.93	36.43
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,572.74	39.81
		For Dynamic Damper, Add	*784.78*	
		For 3 Hour Rated, Add	*435.99*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,626.07	43.09
		For Dynamic Damper, Add	*808.21*	
		For 3 Hour Rated, Add	*449.00*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,679.35	46.38
		For Dynamic Damper, Add	*831.61*	
		For 3 Hour Rated, Add	*462.00*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,732.58	49.76
		For Dynamic Damper, Add	*854.98*	
		For 3 Hour Rated, Add	*474.99*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,785.86	53.05
		For Dynamic Damper, Add	*878.37*	
		For 3 Hour Rated, Add	*487.99*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,890.33	56.33
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,989.92	58.03
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,081.49	59.62
		For Dynamic Damper, Add	*1,027.26*	
		For 3 Hour Rated, Add	*570.70*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,201.77	63.00
		For Dynamic Damper, Add	*1,086.84*	
		For 3 Hour Rated, Add	*603.80*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,306.23	66.29
		For Dynamic Damper, Add	*1,137.88*	
		For 3 Hour Rated, Add	*632.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,418.60	69.57
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,507.35	72.96
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,619.73	76.24
		For Dynamic Damper, Add	*1,291.04*	
		For 3 Hour Rated, Add	*717.24*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,732.10	79.52
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,505.60	33.14
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,554.93	36.43
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,580.65	39.81
		For Dynamic Damper, Add	*789.05*	
		For 3 Hour Rated, Add	*438.36*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,598.45	43.09
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,655.73	46.38
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,712.91	49.76
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,774.05	53.05
		For Dynamic Damper, Add	*872.00*	
		For 3 Hour Rated, Add	*484.44*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,835.24	56.33
		For Dynamic Damper, Add	*899.66*	
		For 3 Hour Rated, Add	*499.81*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,942.64	58.03
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,042.12	59.62
		For Dynamic Damper, Add	*1,006.00*	
		For 3 Hour Rated, Add	*558.89*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,154.54	63.00
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,266.90	66.29
		For Dynamic Damper, Add	*1,116.64*	
		For 3 Hour Rated, Add	*620.36*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,355.61	69.57
		For Dynamic Damper, Add	*1,159.16*	
		For 3 Hour Rated, Add	*643.98*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,491.59	72.96
		For Dynamic Damper, Add	*1,227.22*	
		For 3 Hour Rated, Add	*681.79*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,611.87	76.24
		For Dynamic Damper, Add	*1,286.79*	
		For 3 Hour Rated, Add	*714.89*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,732.10	79.52
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,836.52	82.90
		For Dynamic Damper, Add	*1,397.35*	
		For 3 Hour Rated, Add	*776.31*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,941.12	86.19
		For Dynamic Damper, Add	*1,448.47*	
		For 3 Hour Rated, Add	*804.71*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.05	7.36
		For Dynamic Damper, Add	*51.27*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.42	7.70
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.98	7.76
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.98	7.76
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.04	7.96
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.49	8.83
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.04	7.96
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.15	8.43
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.91	8.83
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.61	9.95
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.96	8.43
		For Dynamic Damper, Add	*57.11*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.91	8.83
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.63	9.29
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.03	9.95
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.35	11.08
		For Dynamic Damper, Add	*64.90*	
		For 3 Hour Rated, Add	*36.05*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.46	8.83
		For Dynamic Damper, Add	*106.33*	
		For 3 Hour Rated, Add	*59.07*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.83	9.49
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.91	10.42
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.27	11.08
		For Dynamic Damper, Add	*110.21*	
		For 3 Hour Rated, Add	*61.23*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.63	12.14
		For Dynamic Damper, Add	*113.48*	
		For 3 Hour Rated, Add	*63.04*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.96	13.27
		For Dynamic Damper, Add	*116.72*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.17	9.29
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.76	9.95
		For Dynamic Damper, Add	*109.57*	
		For 3 Hour Rated, Add	*60.87*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.71	11.08
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.03	12.14
		For Dynamic Damper, Add	*114.77*	
		For 3 Hour Rated, Add	*63.76*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.15	13.27
		For Dynamic Damper, Add	*117.36*	
		For 3 Hour Rated, Add	*65.20*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.49	14.34
		For Dynamic Damper, Add	*120.61*	
		For 3 Hour Rated, Add	*67.01*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.41	15.46
		For Dynamic Damper, Add	*122.56*	
		For 3 Hour Rated, Add	*68.09*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.57	9.95
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.69	11.08
		For Dynamic Damper, Add	*111.52*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.82	12.14
		For Dynamic Damper, Add	*114.12*	
		For 3 Hour Rated, Add	*63.40*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.77	13.27
		For Dynamic Damper, Add	*119.32*	
		For 3 Hour Rated, Add	*66.29*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.70	14.34
		For Dynamic Damper, Add	*121.27*	
		For 3 Hour Rated, Add	*67.37*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.62	15.46
		For Dynamic Damper, Add	*123.22*	
		For 3 Hour Rated, Add	*68.45*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.73	16.59
		For Dynamic Damper, Add	*125.80*	
		For 3 Hour Rated, Add	*69.89*	

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23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.85	17.65
		For Dynamic Damper, Add	*128.40*	
		For 3 Hour Rated, Add	*71.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.12	11.08
		For Dynamic Damper, Add	*150.63*	
		For 3 Hour Rated, Add	*83.69*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.67	12.14
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.81	13.27
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.34	14.34
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.26	15.46
		For Dynamic Damper, Add	*162.98*	
		For 3 Hour Rated, Add	*90.55*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.17	16.59
		For Dynamic Damper, Add	*164.92*	
		For 3 Hour Rated, Add	*91.62*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.70	17.65
		For Dynamic Damper, Add	*168.81*	
		For 3 Hour Rated, Add	*93.79*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.56	19.91
		For Dynamic Damper, Add	*172.71*	
		For 3 Hour Rated, Add	*95.95*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.82	22.10
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.67	12.14
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.81	13.27
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.34	14.34
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.45	15.46
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.78	16.59
		For Dynamic Damper, Add	*166.87*	
		For 3 Hour Rated, Add	*92.71*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.10	17.65
		For Dynamic Damper, Add	*170.11*	
		For 3 Hour Rated, Add	*94.51*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.96	19.91
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.82	22.10
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.55	23.23
		For Dynamic Damper, Add	*185.70*	
		For 3 Hour Rated, Add	*103.16*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.22	25.42
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.02	13.27
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.72	14.34
		For Dynamic Damper, Add	*162.32*	
		For 3 Hour Rated, Add	*90.18*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.45	15.46
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.57	16.59
		For Dynamic Damper, Add	*166.22*	
		For 3 Hour Rated, Add	*92.34*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.56	17.65
		For Dynamic Damper, Add	*170.36*	
		For 3 Hour Rated, Add	*94.64*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.96	19.91
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.22	22.10
		For Dynamic Damper, Add	*179.21*	
		For 3 Hour Rated, Add	*99.56*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.49	24.28
		For Dynamic Damper, Add	*184.41*	
		For 3 Hour Rated, Add	*102.45*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.22	25.42
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	

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23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.36	27.21
		For Dynamic Damper, Add	*201.29*	
		For 3 Hour Rated, Add	*111.83*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.22	28.73
		For Dynamic Damper, Add	*211.66*	
		For 3 Hour Rated, Add	*117.59*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.67	14.34
		For Dynamic Damper, Add	*167.15*	
		For 3 Hour Rated, Add	*92.86*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.01	15.46
		For Dynamic Damper, Add	*169.87*	
		For 3 Hour Rated, Add	*94.37*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.35	16.59
		For Dynamic Damper, Add	*172.58*	
		For 3 Hour Rated, Add	*95.88*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.24	17.65
		For Dynamic Damper, Add	*176.67*	
		For 3 Hour Rated, Add	*98.15*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.68	19.91
		For Dynamic Damper, Add	*178.72*	
		For 3 Hour Rated, Add	*99.29*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.78	20.97
		For Dynamic Damper, Add	*180.76*	
		For 3 Hour Rated, Add	*100.42*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.32	24.28
		For Dynamic Damper, Add	*187.56*	
		For 3 Hour Rated, Add	*104.20*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.53	26.55
		For Dynamic Damper, Add	*194.35*	
		For 3 Hour Rated, Add	*107.97*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.30	27.40
		For Dynamic Damper, Add	*202.52*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.41	29.40
		For Dynamic Damper, Add	*213.39*	
		For 3 Hour Rated, Add	*118.55*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.68	30.92
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.15	32.04
		For Dynamic Damper, Add	*233.79*	
		For 3 Hour Rated, Add	*129.88*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.01	16.59
		For Dynamic Damper, Add	*196.87*	
		For 3 Hour Rated, Add	*109.37*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.40	17.65
		For Dynamic Damper, Add	*202.31*	
		For 3 Hour Rated, Add	*112.39*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.24	18.78
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.08	19.91
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.55	20.97
		For Dynamic Damper, Add	*209.80*	
		For 3 Hour Rated, Add	*116.55*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.68	22.10
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.71	25.42
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.43	27.60
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.84	29.40
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.18	30.92
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.59	32.72
		For Dynamic Damper, Add	*256.71*	
		For 3 Hour Rated, Add	*142.62*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.96	33.57
		For Dynamic Damper, Add	*271.67*	
		For 3 Hour Rated, Add	*150.93*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.46	35.36
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.38	16.59
		For Dynamic Damper, Add	*199.59*	
		For 3 Hour Rated, Add	*110.89*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.76	17.65
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	

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23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.66	18.78
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.51	19.91
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.89	20.97
		For Dynamic Damper, Add	*215.92*	
		For 3 Hour Rated, Add	*119.96*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.27	22.10
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.16	26.55
		For Dynamic Damper, Add	*228.17*	
		For 3 Hour Rated, Add	*126.76*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.35	28.73
		For Dynamic Damper, Add	*234.95*	
		For 3 Hour Rated, Add	*130.53*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.18	30.92
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.50	33.17
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.29	35.36
		For Dynamic Damper, Add	*274.39*	
		For 3 Hour Rated, Add	*152.44*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.28	36.43
		For Dynamic Damper, Add	*286.63*	
		For 3 Hour Rated, Add	*159.24*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	666.28	37.55
		For Dynamic Damper, Add	*298.88*	
		For 3 Hour Rated, Add	*166.04*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.27	38.68
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.24	17.65
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.66	18.78
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.51	19.91
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.68	22.10
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.39	24.28
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.11	26.55
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.84	28.73
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.58	30.92
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.89	33.17
		For Dynamic Damper, Add	*253.99*	
		For 3 Hour Rated, Add	*141.11*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.22	35.36
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	630.23	36.43
		For Dynamic Damper, Add	*281.21*	
		For 3 Hour Rated, Add	*156.23*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.76	37.55
		For Dynamic Damper, Add	*297.52*	
		For 3 Hour Rated, Add	*165.29*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.07	39.74
		For Dynamic Damper, Add	*309.76*	
		For 3 Hour Rated, Add	*172.09*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.60	40.87
		For Dynamic Damper, Add	*326.08*	
		For 3 Hour Rated, Add	*181.16*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.71	44.19
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.14	18.78
		For Dynamic Damper, Add	*207.76*	
		For 3 Hour Rated, Add	*115.42*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.53	19.91
		For Dynamic Damper, Add	*213.20*	
		For 3 Hour Rated, Add	*118.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.23	22.10
		For Dynamic Damper, Add	*218.64*	
		For 3 Hour Rated, Add	*121.46*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.39	24.28
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.38	26.55
		For Dynamic Damper, Add	*226.13*	
		For 3 Hour Rated, Add	*125.63*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.32	28.73
		For Dynamic Damper, Add	*232.24*	
		For 3 Hour Rated, Add	*129.02*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.07	30.92
		For Dynamic Damper, Add	*240.40*	
		For 3 Hour Rated, Add	*133.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.82	33.17
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.13	35.36
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.97	37.55
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.47	38.68
		For Dynamic Damper, Add	*290.71*	
		For 3 Hour Rated, Add	*161.51*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	690.55	39.74
		For Dynamic Damper, Add	*308.40*	
		For 3 Hour Rated, Add	*171.33*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	727.38	42.00
		For Dynamic Damper, Add	*324.71*	
		For 3 Hour Rated, Add	*180.39*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.71	44.19
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	796.87	47.51
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	828.71	49.70
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.51	19.91
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.71	22.10
		For Dynamic Damper, Add	*217.27*	
		For 3 Hour Rated, Add	*120.71*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.91	24.28
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.05	26.55
		For Dynamic Damper, Add	*222.71*	
		For 3 Hour Rated, Add	*123.73*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.54	28.73
		For Dynamic Damper, Add	*230.20*	
		For 3 Hour Rated, Add	*127.89*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.03	30.92
		For Dynamic Damper, Add	*237.68*	
		For 3 Hour Rated, Add	*132.04*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.52	33.17
		For Dynamic Damper, Add	*245.15*	
		For 3 Hour Rated, Add	*136.20*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.00	35.36
		For Dynamic Damper, Add	*252.63*	
		For 3 Hour Rated, Add	*140.35*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.86	37.55
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.42	38.68
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.44	39.74
		For Dynamic Damper, Add	*300.24*	
		For 3 Hour Rated, Add	*166.80*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.33	42.00
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.19	44.19
		For Dynamic Damper, Add	*335.60*	
		For 3 Hour Rated, Add	*186.44*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	793.56	46.38
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	825.39	48.64
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.77	50.83
		For Dynamic Damper, Add	*384.57*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.14	53.02
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.68	22.10
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.91	24.28
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.58	26.55
		For Dynamic Damper, Add	*224.07*	
		For 3 Hour Rated, Add	*124.49*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.73	28.73
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.48	30.92
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.22	33.17
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.22	35.36
		For Dynamic Damper, Add	*250.59*	
		For 3 Hour Rated, Add	*139.22*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	593.23	37.55
		For Dynamic Damper, Add	*259.43*	
		For 3 Hour Rated, Add	*144.13*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.29	38.68
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.83	39.74
		For Dynamic Damper, Add	*293.43*	
		For 3 Hour Rated, Add	*163.02*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.22	42.00
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.60	44.19
		For Dynamic Damper, Add	*328.80*	
		For 3 Hour Rated, Add	*182.67*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.41	46.38
		For Dynamic Damper, Add	*342.40*	
		For 3 Hour Rated, Add	*190.22*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.33	48.64
		For Dynamic Damper, Add	*364.15*	
		For 3 Hour Rated, Add	*202.31*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.23	50.83
		For Dynamic Damper, Add	*383.19*	
		For 3 Hour Rated, Add	*212.89*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.14	53.02
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	940.97	55.27
		For Dynamic Damper, Add	*418.55*	
		For 3 Hour Rated, Add	*232.53*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	977.86	57.46
		For Dynamic Damper, Add	*434.88*	
		For 3 Hour Rated, Add	*241.60*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	98.11	7.36
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	124.41	7.70
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	158.32	7.76
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	149.89	7.76
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	140.49	7.96
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	172.30	8.83
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	128.83	7.96
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	166.47	8.83
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	155.25	9.29
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	182.71	9.95
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	147.64	8.43
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	146.75	9.29
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	178.48	9.95
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	147.50	11.08
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	169.87	12.14
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	166.47	8.83
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	165.72	9.95
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	142.06	11.08
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	163.82	11.08
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	188.93	12.14
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	214.00	13.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	142.52	9.29
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	127.83	9.95
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	155.64	11.08
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	183.45	12.14
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	211.27	13.27
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	245.37	14.34
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	277.28	16.59
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	206.41	17.65
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	243.69	19.91
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	157.23	9.95
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	142.06	11.08
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	172.57	12.14
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	203.13	13.27
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	239.76	14.34
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	271.15	15.46
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	206.41	17.65
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	223.43	17.65
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	264.13	19.91
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	304.82	22.10
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	267.66	24.28
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	298.62	26.55
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	131.15	11.08
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	167.14	12.14
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	203.13	13.27
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	245.37	14.34
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	192.85	16.59
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	216.61	17.65
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	243.69	19.91
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	264.13	19.91
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	311.64	22.10
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	277.37	24.28
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	313.23	26.55
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	349.03	28.73
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	326.49	30.92
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	356.48	33.17
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	379.84	33.17
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	147.50	11.08
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	188.93	12.14
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	239.76	14.34
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	192.85	16.59
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	220.02	17.65
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	250.52	19.91
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	281.00	22.10
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	304.82	22.10
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	277.37	24.28
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	318.10	26.55
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	358.78	28.73
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	344.79	33.17
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	372.06	33.17
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	405.92	35.36
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	439.82	37.55
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	467.09	37.55
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	453.29	39.74
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	477.11	39.74
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	167.14	12.14
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	222.91	14.34
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	271.15	15.46
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	216.61	17.65
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	250.52	19.91
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	284.38	22.10
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	241.54	22.10
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	267.66	24.28
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	313.23	26.55
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	358.78	28.73
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	348.70	33.17
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	379.84	33.17
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	417.61	35.36
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	455.39	37.55
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	446.46	39.74
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	473.73	39.74
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	507.59	42.00
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	534.86	42.00
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	506.45	44.19
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	529.80	44.19
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	559.79	46.38
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	183.45	12.14
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	248.68	15.46
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	206.41	17.65
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	243.69	19.91
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	281.00	22.10
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	241.54	22.10
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	270.08	24.28
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	298.62	26.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	349.03	28.73
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	344.79	33.17
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	379.84	33.17
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	421.49	35.36
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	463.18	37.55
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	456.67	39.74
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	493.98	42.00
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	524.62	42.00
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	500.62	44.19
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	526.89	44.19
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	559.79	46.38
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	586.06	46.38
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	612.37	46.38
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	203.13	13.27
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	274.47	16.59
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	223.43	17.65
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	264.13	19.91
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	304.82	22.10
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	267.66	24.28
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	298.62	26.55
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	329.55	28.73
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	326.49	30.92
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	372.06	33.17
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	417.61	35.36
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	463.18	37.55
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	460.08	39.74
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	500.77	42.00
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	534.86	42.00
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	497.70	44.19
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	228.52	14.34
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	202.99	17.65
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	247.10	19.91
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	291.20	22.10
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	260.34	24.28
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	293.75	26.55
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	320.52	26.55
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	353.90	28.73
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	356.48	33.17
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	405.92	35.36
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	455.39	37.55
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	456.67	39.74
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	500.77	42.00
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	538.23	42.00
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	518.14	44.19
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	534.17	44.19
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	248.68	15.46
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	216.61	17.65
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	264.13	19.91
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	241.54	22.10
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	277.37	24.28
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	313.23	26.55
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	349.03	28.73
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	326.49	30.92
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	379.84	33.17
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	439.82	37.55
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	446.46	39.74
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	493.98	42.00
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	534.86	42.00
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	518.14	44.19
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	559.79	46.38
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	577.31	46.38
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	257.11	15.46
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	230.07	19.91
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	279.29	22.10
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	255.47	24.28
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	292.54	26.55
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	329.55	28.73
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	366.62	30.92
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	342.83	33.17
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	398.13	35.36
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	453.44	37.55
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	460.08	39.74
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	509.30	42.00
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	497.70	44.19
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	534.17	44.19
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	577.31	46.38
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	595.55	46.38

23 33 13 23-0183 Vertically Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	109.62	7.36
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	139.80	7.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	144.81	7.76
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	152.92	7.76
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	169.79	7.96
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	188.66	8.83
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	194.10	7.96
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	221.08	8.83
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	222.40	9.29
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	232.48	9.95
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	185.18	8.43
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	193.78	9.29
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	207.60	9.95
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	210.92	11.08
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	226.08	12.14
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	233.91	8.83
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	243.15	9.95
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	202.96	11.08
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	202.96	11.08
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	225.12	12.14
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	228.44	13.27
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	225.92	9.29
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	227.90	9.95
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	245.37	11.08
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	262.84	12.14
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	266.16	13.27
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	269.48	14.34
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	280.83	16.59
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	272.49	17.65
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	296.70	19.91
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	266.83	9.95
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	278.93	11.08
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	282.25	12.14
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	303.09	13.27
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	306.41	14.34
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	309.72	15.46
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	329.55	17.65
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	333.92	17.65
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	340.56	19.91
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	355.97	22.10
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	380.18	24.28
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	386.82	26.55
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	349.14	11.08
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	352.46	12.14
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	355.78	13.27
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	359.10	14.34
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	378.88	16.59
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	404.13	17.65
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	410.77	19.91
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	410.77	19.91
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	347.19	22.10
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	314.84	24.28
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	321.48	26.55
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	339.61	28.73
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	352.01	30.92
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	358.65	33.17
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	358.65	33.17
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	309.57	11.08
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	312.89	12.14
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	319.53	14.34
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	331.92	16.59
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	341.00	17.65
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	347.64	19.91
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	354.27	22.10
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	377.30	22.10
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	383.94	24.28
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	390.58	26.55
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	402.96	28.73
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	422.00	33.17
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	422.00	33.17
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	454.55	35.36
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	408.15	37.55
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	408.15	37.55
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	414.79	39.74
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	427.09	39.74
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	346.59	12.14
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	353.23	14.34
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	361.48	15.46
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	377.93	17.65
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	404.27	19.91
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	410.90	22.10
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	410.90	22.10
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	427.39	24.28
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	434.03	26.55
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	440.65	28.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	453.93	33.17
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	468.72	33.17
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	485.19	35.36
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	506.59	37.55
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	513.23	39.74
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	513.23	39.74
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	524.76	42.00
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	542.00	42.00
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	512.99	44.19
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	512.99	44.19
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	535.47	46.38
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	434.86	12.14
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	453.88	15.46
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	460.52	17.65
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	467.16	19.91
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	500.95	22.10
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	500.95	22.10
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	507.59	24.28
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	523.29	26.55
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	534.43	28.73
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	552.22	33.17
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	552.22	33.17
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	595.08	35.36
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	601.72	37.55
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	608.36	39.74
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	624.05	42.00
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	633.12	42.00
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	639.76	44.19
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	642.00	44.19
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	682.58	46.38
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	682.58	46.38
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	682.58	46.38
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	605.69	13.27
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	620.16	16.59
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	623.48	17.65
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	639.18	19.91
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	599.31	22.10
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	605.95	24.28
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	644.87	26.55
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	651.49	28.73
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	674.31	30.92
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	680.95	33.17
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	687.58	35.36
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	694.22	37.55
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	725.07	39.74
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	747.84	42.00
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	747.84	42.00
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	778.72	44.19
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	689.14	14.34
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	707.16	17.65
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	738.01	19.91
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	744.64	22.10
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	779.54	24.28
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	790.24	26.55
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	790.24	26.55
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	815.02	28.73
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	753.61	33.17
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	767.49	35.36
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	810.47	37.55
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	817.11	39.74
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	838.28	42.00
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	845.56	42.00
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	852.20	44.19
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	859.46	44.19
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	773.19	15.46
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	808.91	17.65
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	822.80	19.91
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	851.26	22.10
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	857.90	24.28
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	879.07	26.55
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	885.69	28.73
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	906.84	30.92
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	826.28	33.17
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	868.63	37.55
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	894.64	39.74
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	901.27	42.00
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	901.27	42.00
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	914.38	44.19
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	946.85	46.38
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	946.85	46.38
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	860.39	15.46
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	886.61	19.91
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	919.08	22.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	925.72	24.28
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	951.74	26.55
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	964.83	28.73
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	870.12	30.92
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	876.76	33.17
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	920.11	35.36
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	926.75	37.55
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	933.39	39.74
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	973.93	42.00
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	980.57	44.19
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	997.53	44.19
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,022.54	46.38
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,055.03	46.38
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	281.74	11.11
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	519.93	11.11
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	29.45	4.63
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	286.53	17.12
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	319.20	19.51
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	408.49	25.87
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	575.32	29.85
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	640.23	35.83
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	969.11	45.38
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	408.36	17.12
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	463.99	19.51
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	509.30	25.87
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	726.25	29.85
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	806.84	35.83
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,263.84	45.38
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	298.90	27.12
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	364.50	31.08
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	493.58	35.71
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	615.01	40.35
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	556.10	40.35
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	749.01	42.33
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	835.58	44.97
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	923.48	47.62
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,249.52	54.24
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	731.58	44.97
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,017.26	54.24
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,902.37	72.76
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,121.79	76.72
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,379.49	82.67
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,683.43	89.95
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	335.73	59.53
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	410.25	68.78
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	556.61	79.37
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	693.75	89.29
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	626.78	89.29
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	846.85	94.58
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	942.96	99.21
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,040.07	104.50
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,412.03	119.06
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	824.78	99.21
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,148.10	119.06
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,145.11	156.75
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,404.38	169.98
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,688.94	180.56
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,036.22	198.42
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	292.24	49.60
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	523.06	74.08
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	720.70	108.47
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	410.57	59.53
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	520.55	68.78
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	737.82	79.37
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	890.99	85.32
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	974.97	91.94
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,262.05	99.21
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,512.51	108.47
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	809.52	91.94
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,228.08	95.90
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,352.66	99.21
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,481.28	104.50
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,898.86	112.44
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,065.97	119.06

23 33 23 Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	11.60	1.65
		For Stainless Steel, Add	*9.80*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	13.69	0.66
		For Stainless Steel, Add	*14.77*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	59.63	2.48
		For Stainless Steel, Add	*67.84*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	74.81	2.65
		For Stainless Steel, Add	*85.81*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	103.63	2.78
		For Stainless Steel, Add	*120.14*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	132.45	2.98
		For Stainless Steel, Add	*154.48*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	146.97	3.18
		For Stainless Steel, Add	*171.61*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	189.66	2.98
		For Stainless Steel, Add	*223.14*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	233.26	3.51
		For Stainless Steel, Add	*274.62*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	250.65	3.67
		For Stainless Steel, Add	*295.28*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	280.36	3.81
		For Stainless Steel, Add	*330.72*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	69.27	9.26
		For Stainless Steel, Add	*56.12*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	76.01	9.26
		For Stainless Steel, Add	*67.92*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	79.30	9.26
		For Stainless Steel, Add	*73.68*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	105.15	11.24
		For Stainless Steel, Add	*103.88*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	106.48	11.24
		For Stainless Steel, Add	*106.21*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	129.38	15.22
		For Stainless Steel, Add	*122.24*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	149.63	18.52
		For Stainless Steel, Add	*131.64*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	191.57	25.13
		For Stainless Steel, Add	*161.63*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	9.35	1.99
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	9.81	1.78

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	6.18	0.66
		For R6.0 Insulated Flexible Duct, Deduct	*-0.92*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	6.75	1.32
		For R6.0 Insulated Flexible Duct, Deduct	*-0.97*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.13*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	7.42	1.32
		For R6.0 Insulated Flexible Duct, Deduct	*-1.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.16*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	8.54	1.32
		For R6.0 Insulated Flexible Duct, Deduct	*-1.11*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.30*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	9.69	1.99
		For R6.0 Insulated Flexible Duct, Deduct	*-1.12*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.31*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	12.63	1.99
		For R6.0 Insulated Flexible Duct, Deduct	*-1.51*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.76*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	16.57	2.65
		For R6.0 Insulated Flexible Duct, Deduct	*-1.80*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.10*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	20.54	2.65
		For R6.0 Insulated Flexible Duct, Deduct	*-2.19*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.56*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	26.40	3.30
		For R6.0 Insulated Flexible Duct, Deduct	*-2.62*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.06*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	32.54	4.30
		For R6.0 Insulated Flexible Duct, Deduct	*-3.41*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.98*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	40.29	4.63
		For R6.0 Insulated Flexible Duct, Deduct	*-5.15*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.00*	

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	36.56	3.96
		For Stainless Steel, Add	*26.02*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	38.97	4.63
		For Stainless Steel, Add	*26.35*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	44.06	4.63
		For Stainless Steel, Add	*29.06*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	48.80	5.95
		For Stainless Steel, Add	*29.99*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	57.99	7.28
		For Stainless Steel, Add	*33.88*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	68.82	8.60
		For Stainless Steel, Add	*41.76*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.19	9.92
		For Stainless Steel, Add	*45.00*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	92.59	11.24
		For Stainless Steel, Add	*56.34*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	100.97	12.57
		For Stainless Steel, Add	*61.64*	
23 33 46 00-0023	EA	18" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	111.95	14.22
		For Stainless Steel, Add	*66.88*	
23 33 46 00-0024	EA	20" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	136.58	15.22
		For Stainless Steel, Add	*92.46*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	7.55	1.89
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	8.22	1.89
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	9.15	2.51
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	11.21	2.51
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.50	2.82
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	7.06	1.99
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	7.70	1.99
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	8.60	2.65
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	10.47	2.65
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.67	2.98

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	1.83	1.59
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.40	1.78
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.69	1.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.51	1.78
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	2.90	1.99
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.07	2.18
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	4.85	2.18

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	45.14	10.91
		For Stainless Steel, Add	*27.97*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	47.12	11.90
		For Stainless Steel, Add	*27.97*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	57.38	12.57
		For Stainless Steel, Add	*38.70*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	67.37	13.23
		For Stainless Steel, Add	*49.09*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	96.65	14.55
		For Stainless Steel, Add	*81.06*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	62.61	13.23
		For Stainless Steel, Add	*43.38*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	85.40	16.53
		For Stainless Steel, Add	*62.80*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	89.08	18.84
		For Stainless Steel, Add	*61.66*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	110.91	22.15
		For Stainless Steel, Add	*79.92*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	124.27	26.46
		For Stainless Steel, Add	*85.63*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	155.57	33.07
		For Stainless Steel, Add	*107.32*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,238.87	19.84
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,016.93	16.53
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,000.36	18.19

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,633.07	203.81
		For 1/4" Static Pressure, Add	*98.00*	
		For 3/8" Static Pressure, Add	*196.01*	
		For 1/2" Static Pressure, Add	*269.51*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,720.58	204.43
		For 1/4" Static Pressure, Add	*105.00*	
		For 3/8" Static Pressure, Add	*210.01*	
		For 1/2" Static Pressure, Add	*288.76*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,895.58	203.81
		For 1/4" Static Pressure, Add	*119.00*	
		For 3/8" Static Pressure, Add	*238.01*	
		For 1/2" Static Pressure, Add	*327.26*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,070.59	204.43
		For 1/4" Static Pressure, Add	*133.00*	
		For 3/8" Static Pressure, Add	*266.01*	
		For 1/2" Static Pressure, Add	*365.76*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,414.71	244.82
		For 1/4" Static Pressure, Add	*154.01*	
		For 3/8" Static Pressure, Add	*308.01*	
		For 1/2" Static Pressure, Add	*423.52*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	2,807.29	266.24
		For 1/4" Static Pressure, Add	*182.01*	
		For 3/8" Static Pressure, Add	*364.01*	
		For 1/2" Static Pressure, Add	*500.52*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	2,945.49	291.34
		For 1/4" Static Pressure, Add	*189.01*	
		For 3/8" Static Pressure, Add	*378.01*	
		For 1/2" Static Pressure, Add	*519.77*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,412.15	306.03
		For 1/4" Static Pressure, Add	*224.01*	
		For 3/8" Static Pressure, Add	*448.02*	
		For 1/2" Static Pressure, Add	*616.02*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,090.18	382.53
		For 1/4" Static Pressure, Add	*266.01*	
		For 3/8" Static Pressure, Add	*532.02*	
		For 1/2" Static Pressure, Add	*731.53*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	4,666.21	408.23
		For 1/4" Static Pressure, Add	*308.01*	
		For 3/8" Static Pressure, Add	*616.02*	
		For 1/2" Static Pressure, Add	*847.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	5,491.77	470.66
		For 1/4" Static Pressure, Add	*364.01*	
		For 3/8" Static Pressure, Add	*728.03*	
		For 1/2" Static Pressure, Add	*1,001.04*	
23 34 13 00-0014		Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*		
23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,540.94	197.69
		For 1/4" Static Pressure, Add	*91.69*	
		For 3/8" Static Pressure, Add	*183.37*	
		For 1/2" Static Pressure, Add	*252.14*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,644.58	204.43
		For 1/4" Static Pressure, Add	*98.92*	
		For 3/8" Static Pressure, Add	*197.85*	
		For 1/2" Static Pressure, Add	*272.04*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,698.88	211.16
		For 1/4" Static Pressure, Add	*102.14*	
		For 3/8" Static Pressure, Add	*204.28*	
		For 1/2" Static Pressure, Add	*280.89*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,807.77	218.50
		For 1/4" Static Pressure, Add	*109.65*	
		For 3/8" Static Pressure, Add	*219.30*	
		For 1/2" Static Pressure, Add	*301.53*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,078.65	227.07
		For 1/4" Static Pressure, Add	*130.02*	
		For 3/8" Static Pressure, Add	*260.04*	
		For 1/2" Static Pressure, Add	*357.56*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,199.96	235.64
		For 1/4" Static Pressure, Add	*138.33*	
		For 3/8" Static Pressure, Add	*276.67*	
		For 1/2" Static Pressure, Add	*380.42*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,500.30	244.82
		For 1/4" Static Pressure, Add	*160.85*	
		For 3/8" Static Pressure, Add	*321.71*	
		For 1/2" Static Pressure, Add	*442.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	2,884.49	244.82
		For 1/4" Static Pressure, Add	*191.65*	
		For 3/8" Static Pressure, Add	*383.30*	
		For 1/2" Static Pressure, Add	*527.04*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,379.72	266.24
		For 1/4" Static Pressure, Add	*227.87*	
		For 3/8" Static Pressure, Add	*455.75*	
		For 1/2" Static Pressure, Add	*626.65*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	3,993.99	322.54
		For 1/4" Static Pressure, Add	*268.09*	
		For 3/8" Static Pressure, Add	*536.17*	
		For 1/2" Static Pressure, Add	*737.24*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	4,638.34	322.54
		For 1/4" Static Pressure, Add	*319.42*	
		For 3/8" Static Pressure, Add	*638.84*	
		For 1/2" Static Pressure, Add	*878.40*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,138.23	340.29
		For 1/4" Static Pressure, Add	*356.65*	
		For 3/8" Static Pressure, Add	*713.31*	
		For 1/2" Static Pressure, Add	*980.80*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	5,637.72	359.88
		For 1/4" Static Pressure, Add	*393.55*	
		For 3/8" Static Pressure, Add	*787.10*	
		For 1/2" Static Pressure, Add	*1,082.26*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,300.47	470.66
		For 1/4" Static Pressure, Add	*428.94*	
		For 3/8" Static Pressure, Add	*857.88*	
		For 1/2" Static Pressure, Add	*1,179.59*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	7,327.08	471.27
		For 1/4" Static Pressure, Add	*511.07*	
		For 3/8" Static Pressure, Add	*1,022.14*	
		For 1/2" Static Pressure, Add	*1,405.44*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	8,226.72	556.23
		For 1/4" Static Pressure, Add	*569.44*	
		For 3/8" Static Pressure, Add	*1,138.87*	
		For 1/2" Static Pressure, Add	*1,565.95*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,267.96	134.47
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,915.09	139.55
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,964.41	111.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,053.21	152.40
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,093.65	161.58
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,157.83	168.32
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,214.78	179.33
23 34 16 00-0012		13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,232.58	146.89
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,267.78	152.40
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,335.23	161.58
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,372.23	168.32
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,442.85	179.33
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,518.03	187.90
23 34 16 00-0019		15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,240.98	152.40
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,281.64	161.58
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,345.43	168.32
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,389.23	179.33
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,455.51	187.90
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,543.84	201.98
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,613.54	212.38
23 34 16 00-0027		16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,589.84	161.58
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,681.47	168.32
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,776.20	179.33
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,821.66	187.90
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,875.81	201.98
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,924.71	212.38
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,257.56	230.75
23 34 16 00-0035		18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,673.74	168.32
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,724.23	179.33
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,803.91	187.90
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,852.06	201.98
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,935.14	212.38
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,056.57	230.75
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,131.37	244.82
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,236.22	269.30
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,684.04	179.33
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,763.69	187.90
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,852.06	201.98
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,935.14	212.38
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,096.76	230.75
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,343.84	244.82
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,490.07	269.30
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,653.21	288.28
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,277.37	187.90
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,319.23	201.98
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,392.98	212.38
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,476.44	230.75
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,605.93	244.82
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,612.88	269.30
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,680.01	288.28
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,799.47	323.16
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,986.60	201.98
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,074.97	230.75
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,189.97	244.82
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,294.07	269.30
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,390.21	288.28
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,442.68	323.16
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,552.25	351.31
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,833.09	403.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,438.19	212.38
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,524.99	244.82
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,629.07	269.30
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,725.23	288.28
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,844.68	323.16
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,953.85	351.31
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,263.16	403.95
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,236.11	448.63
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,270.60	269.30
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,361.47	288.28
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,492.91	323.16
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,615.47	351.31
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,776.12	403.95
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,924.53	448.63
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,140.95	538.60
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,343.99	621.23
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,405.26	288.28
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,591.72	323.16
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,768.30	351.31
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,982.15	403.95
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,184.16	448.63
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,454.16	538.60
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,787.73	621.23
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,130.19	807.91
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,875.83	323.16
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,060.42	351.31
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,716.46	403.95
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,140.94	448.63
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,598.86	538.60
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,923.99	621.23
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,582.94	807.91
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,049.06	1,009.87
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,327.87	79.57
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*170.07*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,590.89	79.57
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*170.07*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)* Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,421.58	79.57
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*96.86*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.31*	
		For Backdraft Damper, Add	*170.07*	
		For Damper Motor, Add	*290.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,535.73	79.57
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*101.43*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*202.01*	
		For Backdraft Damper, Add	*170.07*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,119.60	91.81
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*84.78*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*164.56*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,283.98	91.81
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*91.36*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*178.53*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,926.42	107.11
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*117.06*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*230.54*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,102.22	107.11
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*124.09*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*245.48*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,384.63	114.76
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*135.39*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*268.18*	
		For Backdraft Damper, Add	*247.28*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,658.59	114.76
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*146.34*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*291.47*	
		For Backdraft Damper, Add	*247.28*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,705.85	122.41
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*148.23*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*294.19*	
		For Backdraft Damper, Add	*247.28*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,091.68	122.41
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*163.67*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*326.98*	
		For Backdraft Damper, Add	*247.28*	
		For Damper Motor, Add	*290.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,720.43	137.71
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*188.82*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*377.83*	
		For Backdraft Damper, Add	*267.27*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,074.30	137.71
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*202.97*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*407.90*	
		For Backdraft Damper, Add	*267.27*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,038.64	153.01
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*241.55*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*487.27*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,155.08	153.01
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*246.20*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*497.17*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,746.37	153.01
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*269.85*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*547.43*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,031.75	153.01
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*281.27*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*571.69*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,743.01	168.32
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*309.72*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*629.54*	
		For Damper Motor, Add	*290.11*	
		For Backdraft Damper, Add	*355.11*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,071.20	168.32
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*322.85*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*657.44*	
		For Damper Motor, Add	*290.11*	
		For Backdraft Damper, Add	*355.11*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,111.04	183.62
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*658.23*	
		For Damper Motor, Add	*290.11*	
		For Backdraft Damper, Add	*417.54*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,831.56	183.62
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*719.47*	
		For Damper Motor, Add	*290.11*	
		For Backdraft Damper, Add	*417.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0134		**Untempered Kitchen Make-Up Air Fans** *(23 34 16 00-0108)* Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135		**Direct Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,570.66	79.57
		For Extended Weatherhood, Add	*251.50*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,660.02	79.57
		For Extended Weatherhood, Add	*264.90*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,769.67	79.57
		For Extended Weatherhood, Add	*281.35*	
23 34 16 00-0139		**Belt Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,812.20	79.57
		For Extended Weatherhood, Add	*287.73*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,988.97	107.11
		For Extended Weatherhood, Add	*319.77*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,413.67	122.41
		For Extended Weatherhood, Add	*386.53*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,771.67	153.01
		For Extended Weatherhood, Add	*446.35*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,357.93	183.62
		For Extended Weatherhood, Add	*540.41*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	597.72	248.00
23 34 16 00-0148	EA	Fan Belt, Replacement	107.93	33.61
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,455.47	110.12
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,985.66	132.28
		For Explosion Proof Motor, Add	*1,008.17*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,266.45	165.35
		For Explosion Proof Motor, Add	*1,190.36*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,781.84	220.57
		For Explosion Proof Motor, Add	*1,251.10*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,892.79	330.70
		For Explosion Proof Motor, Add	*1,384.71*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	16,870.40	661.40
		For Explosion Proof Motor, Add	*2,332.14*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	24,645.47	945.47
		For Explosion Proof Motor, Add	*3,413.18*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,455.47	110.12
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,580.77	132.28
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,646.91	165.35
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,757.41	220.57
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,244.97	330.70
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,410.32	413.38
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,529.62	473.04
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,737.62	496.05
		For Explosion Proof Motor, Add	*1,311.83*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,928.83	551.14
		For Explosion Proof Motor, Add	*1,323.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,626.51	79.57
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	2,116.50	85.69
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	2,326.00	91.81
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,440.11	91.81
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,800.70	107.11
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	3,181.54	107.11
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,505.31	107.11
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	3,370.93	122.41
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,919.23	122.41
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	4,993.93	153.01
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	5,296.62	153.01
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	5,509.99	153.01
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	6,356.54	183.62
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	6,611.21	183.62
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	6,924.18	183.62
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	451.33	53.56
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	451.33	53.56
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	522.46	56.62
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	591.71	56.62
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	780.88	56.62
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	622.63	56.62
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	731.34	56.62
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,498.61	56.62
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	875.99	59.68
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	893.04	59.68
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,558.03	59.68
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	893.04	59.68
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,250.03	59.68
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,250.03	59.68
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,250.03	59.68
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,369.39	59.68
23 34 16 00-0203		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0204		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0203)*		
		Note: Greenheck SE1.		
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	653.18	65.49
		Note: Includes motor side guard.		
		For Backdraft Damper, Add	*211.34*	
		For Wall Mount Collar, Add	*293.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	683.85	72.83
		For Backdraft Damper, Add	*224.56*	
		For Wall Mount Collar, Add	*293.83*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	756.83	80.79
		For Backdraft Damper, Add	*244.55*	
		For Wall Mount Collar, Add	*301.29*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,171.82	89.36
		For Backdraft Damper, Add	*295.01*	
		For Wall Mount Collar, Add	*306.47*	
		For Motor Side Guard, Add	*261.82*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	929.91	99.15
		For Backdraft Damper, Add	*295.01*	
		For Wall Mount Collar, Add	*313.93*	
		For Motor Side Guard, Add	*278.41*	
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,046.87	110.17
		For Backdraft Damper, Add	*362.40*	
		For Wall Mount Collar, Add	*321.39*	
		For Motor Side Guard, Add	*295.00*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,199.02	122.41
		For Backdraft Damper, Add	*362.40*	
		For Wall Mount Collar, Add	*326.56*	
		For Motor Side Guard, Add	*318.45*	

23 34 16 00-0212 Belt Drive Propeller Exhaust Fans *(23 34 16 00-0203)*

Note: Wall shutter 1/8" static pressure, with bird screen.

23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,297.17	175.05
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	2,623.11	203.81
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	2,947.58	244.82
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,177.15	306.03
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	4,893.26	408.23
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	6,701.76	612.05
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	7,939.27	784.65

23 34 16 00-0220 Propeller Exhaust Fan Accessories *(23 34 16 00-0203)*

23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	114.56	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	270.36	

23 34 16 00-0223 Reversible Ceiling Fans *(23 34 16 00-0203)*

23 34 16 00-0224 4 Blade Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	475.86	22.01
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.37*	

23 34 16 00-0226 5 Blade Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	525.82	54.46
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.39*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	604.71	54.46
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.43*	

23 34 16 00-0229 3 Blade Weatherproof Ceiling Fans *(23 34 16 00-0223)*

23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	536.16	30.30

23 34 16 00-0231 Explosion Proof Industrial Blowers *(23 34 16 00-0203)*

23 34 16 00-0232	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,302.43	
23 34 16 00-0233	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	5,883.69	
23 34 16 00-0234	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,031.95	
23 34 16 00-0235	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,432.12	
23 34 16 00-0236	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	4,780.14	
23 34 16 00-0237	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,128.97	
23 34 16 00-0238	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,262.80	
23 34 16 00-0239	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	7,920.98	

23 34 16 00-0240 Exhaust Fans *(23 34 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0241		Exhaust Fans *(23 34 16 00-0240)* Note: Excludes ducting.		
23 34 16 00-0242		Light Duty Exhaust Fans *(23 34 16 00-0241)*		
23 34 16 00-0243		Light Duty Exhaust Fans *(23 34 16 00-0242)*		
23 34 16 00-0244	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	92.07	17.78
23 34 16 00-0245	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	101.50	17.78
23 34 16 00-0246	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	214.78	17.78
23 34 16 00-0247	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	290.53	17.78
23 34 16 00-0248	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	252.07	17.78
23 34 16 00-0249	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	359.63	17.78
23 34 16 00-0250		Light Duty Exhaust Fans With Lights *(23 34 16 00-0242)*		
23 34 16 00-0251	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	142.53	17.78
23 34 16 00-0252	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	166.17	17.78
23 34 16 00-0253	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	374.07	17.78
23 34 16 00-0254		Light Duty Exhaust Fans With Heaters *(23 34 16 00-0242)*		
23 34 16 00-0255	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	147.66	17.78
23 34 16 00-0256	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	277.28	17.78
23 34 16 00-0257		Light Duty Exhaust Fans With Heaters And Lights *(23 34 16 00-0242)*		
23 34 16 00-0258	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	299.75	17.78
23 34 16 00-0259	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	492.68	17.78
23 34 16 00-0260		Heavy-Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0241)*		
23 34 16 00-0261		Heavy-Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0260)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0262	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	183.35	17.78
23 34 16 00-0263	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	210.44	17.78
23 34 16 00-0264	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	444.93	17.78
23 34 16 00-0265	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	457.49	17.78
23 34 16 00-0266	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	496.56	17.78
23 34 16 00-0267	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	521.53	17.78
23 34 16 00-0268	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	531.21	17.78
23 34 16 00-0269	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	618.44	17.78
23 34 16 00-0270	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	714.66	17.78
23 34 16 00-0271	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	769.46	17.78
23 34 16 00-0272	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	929.56	17.78
23 34 16 00-0273	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,214.75	17.78
23 34 16 00-0274		Heavy-Duty/Continuous Operation Kitchen Exhaust Fans *(23 34 16 00-0260)* Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0275	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	464.80	17.78
23 34 16 00-0276	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	707.46	17.78
23 34 16 00-0277	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	752.40	17.78
23 34 16 00-0278		Heavy-Duty/Continuous Operation Exhaust Fans With Lights *(23 34 16 00-0260)*		
23 34 16 00-0279	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	205.53	17.78
23 34 16 00-0280	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	230.98	17.78
23 34 16 00-0281		Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans *(23 34 16 00-0260)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0282	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	216.71	17.78
23 34 16 00-0283	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	233.55	17.78
23 34 16 00-0284	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	241.68	17.78
23 34 16 00-0285		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans *(23 34 16 00-0241)*		
23 34 16 00-0286	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,309.42	17.78
23 34 16 00-0287	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,309.42	17.78
23 34 16 00-0288	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,309.42	17.78
23 34 16 00-0289	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,443.98	17.78
23 34 16 00-0290		Room-To-Room Exhaust Fans *(23 34 16 00-0241)*		
23 34 16 00-0291	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	136.17	17.78
23 34 16 00-0292	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	273.75	17.78
23 34 16 00-0293	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	323.88	17.78
23 34 16 00-0294		Through-Wall Exhaust Fans *(23 34 16 00-0241)*		
23 34 16 00-0295	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	297.67	17.78
23 34 16 00-0296	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	366.77	17.78
23 34 16 00-0297	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	250.16	17.78
23 34 16 00-0298	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	359.63	17.78
23 34 16 00-0299	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	683.68	17.78
23 34 16 00-0300		Exhaust Fan Accessories *(23 34 16 00-0241)*		
23 34 16 00-0301		Exhaust Fan Controls *(23 34 16 00-0300)*		
23 34 16 00-0302	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	158.05	11.11
23 34 16 00-0303	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	96.93	11.11
23 34 16 00-0304	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	98.38	11.11
23 34 16 00-0305		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0300)*		
23 34 16 00-0306		Wall Caps For Exhaust Fans *(23 34 16 00-0305)*		
23 34 16 00-0307	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	255.14	33.17
23 34 16 00-0308	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	259.95	33.17
23 34 16 00-0309		Roof Caps For Exhaust Fans *(23 34 16 00-0305)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0310	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	205.48	33.17
23 34 16 00-0311	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	330.43	33.17
23 34 16 00-0312	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	109.43	33.17
23 34 16 00-0313	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	146.91	33.17
23 34 16 00-0314		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0241)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0315	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	45.90	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	561.05	87.52
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*175.36*	
		For Backdraft Damper, Add	*160.23*	
		For Solid State Speed Control, Add	*99.82*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	617.80	99.15
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*175.36*	
		For Backdraft Damper, Add	*160.23*	
		For Solid State Speed Control, Add	*99.82*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	928.02	115.68
		For 12" Roof Curb, Add	*182.21*	
		For Backdraft Damper, Add	*170.07*	
		For Solid State Speed Control, Add	*99.82*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	948.45	130.37
		For 12" Roof Curb, Add	*182.21*	
		For Backdraft Damper, Add	*170.07*	
		For Solid State Speed Control, Add	*99.82*	
		For Damper Motor, Add	*290.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,239.93	143.83
		For Solid State Speed Control, Add	*99.82*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,405.17	153.01
		For 12" Roof Curb, Add	*193.62*	
		For Backdraft Damper, Add	*193.44*	
		For Solid State Speed Control, Add	*170.59*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0009		**Belt Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,265.83	155.82
		For 12" Roof Curb, Add	*182.21*	
		For Backdraft Damper, Add	*170.07*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,389.78	165.42
		For 12" Roof Curb, Add	*193.62*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,936.64	197.69
		For 12" Roof Curb, Add	*193.62*	
		For Backdraft Damper, Add	*193.44*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,484.78	244.82
		For 12" Roof Curb, Add	*248.42*	
		For Backdraft Damper, Add	*247.28*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,312.61	306.03
		For 12" Roof Curb, Add	*273.53*	
		For Backdraft Damper, Add	*267.27*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,607.30	382.53
		For 12" Roof Curb, Add	*312.34*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,662.10	382.53
		For 12" Roof Curb, Add	*312.34*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,253.39	382.53
		For 12" Roof Curb, Add	*312.34*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	4,904.27	382.53
		For 12" Roof Curb, Add	*312.34*	
		For Backdraft Damper, Add	*297.42*	
		For Damper Motor, Add	*290.11*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,063.17	470.66
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	13,577.94	611.86
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,052.55	244.39
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,181.14	305.97
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	112.32	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	699.91	98.54
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*242.14*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*143.10*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	798.89	115.68
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*265.52*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*171.11*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,276.83	130.37
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*299.05*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*199.11*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)* Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,646.71	73.42
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*270.24*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*307.03*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,783.95	82.67
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*270.24*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*307.03*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,435.59	94.58
		For Solid State Speed Control, Add	*170.59*	
		For Backdraft Damper, Add	*343.51*	
		For Damper Motor, Add	*528.30*	
		For Interior Wall Grill, Add	*357.87*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	1,960.12	448.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	1,997.77	448.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	2,038.55	448.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	2,713.10	448.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	3,031.07	538.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated. Note: Includes housing, mounting brackets and manual controls.	3,266.38	538.60
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	3,580.16	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	4,519.81	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	4,639.04	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	4,955.91	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	2,584.46	448.63
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	2,633.09	448.63
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	2,653.48	448.63
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	2,692.70	448.63
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	4,461.73	538.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	4,703.31	538.60
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	4,927.68	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	5,763.79	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	5,851.64	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	6,193.62	621.23
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	1,794.50	353.76
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	3,680.93	395.07
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,066.34	395.07
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	4,416.72	474.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	4,879.21	474.03
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	5,888.44	631.94
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	6,505.10	631.94
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	7,175.97	769.96
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	7,927.52	769.96
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	9,016.32	967.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	10,885.56	967.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	10,304.76	1,105.66
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	12,440.58	1,105.66
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	11,774.79	1,263.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	14,215.72	1,263.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil 5®) *(23 34 39)*

23 34 39 00-0002	EA	8' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 8', PF5-8)	7,299.30	489.64
23 34 39 00-0003	EA	10' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 10', PF5-10)	7,457.67	520.24
23 34 39 00-0004	EA	12' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 12', PF5-12)	7,616.02	550.84
23 34 39 00-0005	EA	14' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 14', PF5-14)	7,774.39	581.44
23 34 39 00-0006	EA	16' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 16', PF5-16)	7,932.75	612.05
23 34 39 00-0007	EA	18' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 18', PF5-18)	8,091.11	642.65
23 34 39 00-0008	EA	20' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 20', PF5-20)	8,249.47	673.25
23 34 39 00-0009	EA	24' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 24', PF5-24)	8,504.99	703.86

23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil X4®) *(23 34 39)*

23 34 39 00-0011	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-12)	11,132.12	550.84
23 34 39 00-0012	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-14)	11,290.48	581.44
23 34 39 00-0013	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-16)	11,448.84	612.05
23 34 39 00-0014	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-18)	11,607.21	642.65
23 34 39 00-0015	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-20)	11,765.56	673.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 39 00-0016	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-24)	12,021.09	703.86

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	3,761.24	529.12
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,146.39	628.33
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,036.56	727.54
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,684.65	859.82
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	13,709.08	1,011.50
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	16,719.86	1,180.08
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	19,157.72	1,348.68
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	21,477.88	1,550.97
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,924.22	1,753.27

23 35 13 13-0011 Vacuum Tubing And Accessories *(23 35 13 13)*

23 35 13 13-0012 Vacuum Tubing *(23 35 13 13-0011)*

23 35 13 13-0013 Flexible Hose *(23 35 13 13-0012)*

23 35 13 13-0014	LF	2" Flexible Hose	11.39	1.10
23 35 13 13-0015	LF	3" Flexible Hose	13.84	1.22
23 35 13 13-0016	LF	4" Flexible Hose	14.98	1.35

23 35 13 13-0017 Galvanized Vacuum Tubing *(23 35 13 13-0012)*

23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	8.92	1.10
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	10.11	1.16
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	12.33	1.22
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	16.59	1.29
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	17.02	1.35
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	29.42	1.53
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	33.10	1.78
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	44.64	2.45
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	51.95	3.06
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	135.77	4.04

23 35 13 13-0028 Vacuum Fittings, Galvanized *(23 35 13 13-0011)*

23 35 13 13-0029 90 Degree Elbow *(23 35 13 13-0028)*

23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	42.20	7.04
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	54.20	7.53
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	69.68	8.20
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	83.51	8.87
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	100.90	9.79
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	176.01	10.89
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	237.46	12.24
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	436.01	16.34

23 35 13 13-0038 45 Degree Elbow *(23 35 13 13-0028)*

23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	38.76	7.04
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	51.37	7.53
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	60.17	8.20
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	72.78	8.87
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	90.99	9.79
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	141.60	10.89
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	186.86	12.24
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	351.00	16.34

23 35 13 13-0047 Wye *(23 35 13 13-0028)*

23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	78.40	11.63
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	96.61	12.55
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	120.81	13.47
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	149.64	15.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	205.26	16.22
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	362.82	18.06
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	486.87	20.50
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	992.59	22.34
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,385.57	24.48
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,756.10	27.42
23 35 13 13-0058		Reducer *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	41.94	8.20
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	46.97	8.87
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	61.81	9.79
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	66.13	10.89
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	78.21	12.24
23 35 13 13-0064		Air Gate Valve, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	359.19	16.34
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	375.66	17.44
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	433.41	18.79
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	496.88	20.08
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	561.80	21.30
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	664.97	24.30
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	767.63	27.24
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Overhead Tailpipe Exhaust System *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,698.40	130.37
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,031.81	266.24
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	5,715.42	322.54
23 35 16 16-0007		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,904.17	266.24
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,075.84	322.54
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,610.91	510.45
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,570.38	658.56
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	7,140.23	784.65
23 35 16 16-0013		Spiral Exhaust Duct Accessories *(23 35 16 16-0001)*		
23 35 16 16-0014		Flex Hose x Length *(23 35 16 16-0013)* Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	131.16	32.44
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	100.69	32.44
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	197.29	51.41
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	146.37	51.41
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	257.93	81.40
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	239.70	81.40
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	382.54	129.14
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	344.21	129.14
23 35 16 16-0023		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)*		
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	155.46	32.44
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	215.03	51.41
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	120.36	32.44
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	162.96	51.41
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,734.33	43.70
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,414.98	80.18
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,580.00	80.18
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	72.39	6.24
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	82.52	6.24
23 35 16 16-0033		Flexible Hose *(23 35 16 16-0013)*		
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	26.03	1.53
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	33.27	1.71
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	39.64	1.78
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	46.91	1.90
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	21.27	1.53
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	25.16	1.71
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	29.14	1.78
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	32.70	1.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0042		Accessories *(23 35 16 16-0001)*		
23 35 16 16-0043	EA	3" Tail Pipe Adapter	59.55	4.59
23 35 16 16-0044	EA	4" Tail Pipe Adapter	61.56	4.59
23 35 16 16-0045	EA	5" Tail Pipe Adapter	64.80	5.20
23 35 16 16-0046	EA	3" Bullnose (Guide)	31.86	3.06
23 35 16 16-0047	EA	4" Bullnose (Guide)	33.59	3.37
23 35 16 16-0048	EA	5" Bullnose (Guide)	35.66	3.67
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	204.99	34.70
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.17	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,282.32	244.64
23 35 19 00-0002	EA	Hose Extension Kit 5'	285.40	54.35
23 36		**Air Terminal Units** *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,962.25	98.05
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,384.98	105.59
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,550.96	109.36
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,724.48	116.90
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	3,095.46	120.67
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,636.28	98.05
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,977.33	105.59
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,388.50	111.25
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,384.40	25.13
		For Boxes With Motor, Add	*257.04*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,533.88	27.12
		For Boxes With Motor, Add	*285.13*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,586.85	29.76
		For Boxes With Motor, Add	*293.56*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,612.86	31.08
		For Boxes With Motor, Add	*297.77*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,625.69	34.40
		For Boxes With Motor, Add	*297.77*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,861.18	38.36
		For Boxes With Motor, Add	*341.31*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,942.31	42.99
		For Boxes With Motor, Add	*353.95*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,038.87	51.59
		For Boxes With Motor, Add	*366.72*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,134.28	59.53
		For Boxes With Motor, Add	*379.24*	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,989.00	25.13
		For Boxes With Motor, Add	*377.96*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,125.60	27.12
		For Boxes With Motor, Add	*403.47*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,212.18	29.76
		For Boxes With Motor, Add	*418.62*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,304.84	31.08
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,317.67	34.40
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,666.36	39.02
		For Boxes With Motor, Add	*502.35*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	2,911.44	42.99
		For Boxes With Motor, Add	*547.80*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,115.71	51.59
		For Boxes With Motor, Add	*582.09*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,228.27	59.53
		For Boxes With Motor, Add	*598.03*	
23 36 16		**Variable-Air-Volume Units** *(23 36)*		
23 36 16 00-0001		Variable Volume Terminal Unit *(23 36 16)*		
		Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0002		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	523.12	30.42
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	583.04	34.40
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	646.69	38.36
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	682.45	42.99
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	950.61	92.53
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,090.62	109.79
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,229.49	30.42
		For Fan Powered Variable Air Volume Box, Add	*1,407.82*	
		For Hot Water Coils, Add	*449.81*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,322.56	34.40
		For Fan Powered Variable Air Volume Box, Add	*1,506.37*	
		For Hot Water Coils, Add	*480.83*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,373.46	38.36
		For Fan Powered Variable Air Volume Box, Add	*1,550.94*	
		For Hot Water Coils, Add	*494.28*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,421.98	42.99
		For Fan Powered Variable Air Volume Box, Add	*1,592.36*	
		For Hot Water Coils, Add	*506.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,621.28	92.53
		For Fan Powered Variable Air Volume Box, Add	*1,780.83*	
		For Hot Water Coils, Add	*564.59*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	1,817.39	109.79
		For Fan Powered Variable Air Volume Box, Add	*1,916.73*	
		For Hot Water Coils, Add	*602.85*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,109.27	30.42
		For Hot Water Coils, Add	*806.56*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,181.94	34.40
		For Hot Water Coils, Add	*829.31*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,245.59	38.36
		For Hot Water Coils, Add	*847.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,342.55	42.99
		For Hot Water Coils, Add	*879.98*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,544.41	92.53
		For Hot Water Coils, Add	*938.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,595.41	92.53
		For Hot Water Coils, Add	*959.60*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,408.11	60.12
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,534.35	68.46
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,634.33	77.32
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,789.27	86.25
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,006.96	99.21
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,183.66	119.06
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	488.67	41.34
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	527.84	45.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	568.59	49.60
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	611.04	53.74
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	655.31	57.88
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	701.50	62.00
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	755.12	66.14
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	805.98	70.27
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	859.27	74.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	915.11	78.55
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	973.73	82.67
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,035.26	86.81
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,099.96	90.94
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,160.73	95.08
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,231.90	99.21
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	101.56	8.60
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	116.57	8.60
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	116.57	8.60
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	139.86	10.58
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	139.86	9.92
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	167.38	9.92
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	187.37	13.23
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	223.73	13.89
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	251.61	15.88
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	
23 37 13 13-0012		**Ceiling Diffusers With Louver Face** *(23 37 13 13-0001)*		
		Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	106.57	8.60
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	126.08	8.60
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	126.08	8.60
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	151.12	9.92
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	151.12	10.58
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	195.85	13.23
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	169.33	13.23
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	213.50	15.88
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	253.69	17.86
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	279.41	34.99
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	
23 37 13 13-0023		**Round Ceiling Diffusers With Fixed Pattern** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	196.40	8.60
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	204.73	8.60
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	228.41	10.58
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	249.23	9.92
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	368.21	11.90
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	388.93	12.57
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*763.49*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	409.82	13.23
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	479.73	13.23
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	577.66	15.22
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	654.81	15.88
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	787.09	17.86
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	208.89	8.60
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	230.40	8.60
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	258.48	10.58
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	282.54	10.58
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	422.34	11.90
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	405.35	12.57
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*900.88*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	477.83	13.23
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	560.69	13.89
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	635.03	15.22
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	779.72	15.88
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	944.84	17.86
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,050.08	37.24
		For Stainless Steel, Add	*2,195.26*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	144.76	9.92
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	159.05	9.92
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	176.62	9.92
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	193.74	9.92
		For Stainless Steel, Add	*346.61*	

23 37 13 13-0053 Drum Louver Diffusers, Drop Box *(23 37 13 13)*

23 37 13 13-0054 Drum Louver Diffusers, Four Way Drop Box *(23 37 13 13-0053)*

23 37 13 13-0055	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box	1,181.30	58.07
		Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0056	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box	1,273.94	66.60
		Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0057	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box	1,445.10	80.95
		Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0058	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.	1,515.56	90.61
23 37 13 13-0059	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.	1,611.33	98.42
23 37 13 13-0060	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.	1,955.30	110.38
23 37 13 13-0061	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.	2,219.36	122.43
23 37 13 13-0062	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.	2,595.76	148.29
23 37 13 13-0063	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.	2,726.86	148.82
23 37 13 13-0064	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.	3,158.92	162.97
23 37 13 13-0065	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.	4,020.29	180.83
23 37 13 13-0066		**Drum Louver Diffusers, Six Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0067	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.	1,924.18	73.75
23 37 13 13-0068	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.	2,027.68	87.17
23 37 13 13-0069	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.	2,259.28	99.88
23 37 13 13-0070	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.	2,808.10	135.91
23 37 13 13-0071	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.	3,255.32	147.56
23 37 13 13-0072	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.	4,092.51	165.61
23 37 13 13-0073	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.	5,302.28	201.99
23 37 13 13-0074	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.	6,188.35	223.22
23 37 13 13-0075		**Wall And Floor Diffusers** *(23 37 13 13)*		
23 37 13 13-0076		**Slot Type Linear Diffusers** *(23 37 13 13-0075)* Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0077	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	48.59	3.30
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0078	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	61.47	3.96
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0079	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	90.06	4.63
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0080	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	123.26	4.63
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	
23 37 13 13-0081	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	157.16	5.29
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	
23 37 13 13-0082	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	184.71	6.61
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	
23 37 13 13-0083		**Linear Bar Grilles And Registers** *(23 37 13 13-0075)* Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0084	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	182.91	3.96
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0085	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	219.59	4.63
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0086	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	238.91	4.63
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0087	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	291.11	6.61
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0088	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	403.81	8.60
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0089	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	463.19	9.92
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	

23 37 13 13-0090 Return/Exhaust Registers And Grilles *(23 37 13 13)*

23 37 13 13-0091 Return/Exhaust Registers With Frame *(23 37 13 13-0090)*

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0092	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	113.63	5.29
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	
23 37 13 13-0093	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	133.87	5.29
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	
23 37 13 13-0094	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	149.29	5.95
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0095	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	153.17	6.61
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0096	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	145.08	6.61
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0097	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	187.84	8.60
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	
23 37 13 13-0098	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	224.71	9.92
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0099	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	278.34	11.90
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0100	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	331.16	13.23
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0101	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	287.82	13.23
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	
23 37 13 13-0102	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	337.46	13.23
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0103	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	353.21	15.22
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0104	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	374.77	15.88
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	
23 37 13 13-0105	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	434.32	17.86
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0106	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	479.28	21.17
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	
23 37 13 13-0107	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	650.68	21.17
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0108	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	517.47	23.14
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0109	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	501.19	22.49
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	
23 37 13 13-0110	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	576.24	25.13
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0111	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	810.29	27.12
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0112	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	345.09	15.28
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0113	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	610.46	22.89
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	
23 37 13 13-0114	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	704.03	27.12
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	

23 37 13 13-0115 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0090)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0116	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	103.11	5.29
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0117	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	103.11	5.29
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0118	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	128.25	5.95
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0119	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	146.70	7.28
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0120	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	144.27	6.61
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0121	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	189.46	8.60
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0122	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	321.97	10.58
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0123	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	390.07	11.90
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0124	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	442.79	13.23
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	
23 37 13 13-0125	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	355.28	13.23
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0126	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	501.01	13.89
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0127	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	588.99	15.22
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0128	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	431.83	15.88
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0129	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	614.07	17.86
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0130	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	738.37	21.17
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	
23 37 13 13-0131	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	861.02	21.17
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0132	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	545.75	22.49
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0133	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	778.91	22.49
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0134	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	910.41	25.13
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	
23 37 13 13-0135	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,073.65	27.12
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0136	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,141.66	27.12
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0137 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0090)*

23 37 13 13-0138	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	44.12	6.49
23 37 13 13-0139	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	44.12	6.49
23 37 13 13-0140	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	49.69	6.49
23 37 13 13-0141	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.92	6.49
23 37 13 13-0142	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	49.69	6.49
23 37 13 13-0143	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.92	6.49
23 37 13 13-0144	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.27	8.51
23 37 13 13-0145	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	62.50	8.51
23 37 13 13-0146	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	58.04	8.51
23 37 13 13-0147	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	62.50	8.51
23 37 13 13-0148	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.73	8.51
23 37 13 13-0149	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.96	8.51
23 37 13 13-0150	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	63.62	8.51
23 37 13 13-0151	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.08	8.51
23 37 13 13-0152	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	70.31	8.51
23 37 13 13-0153	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	80.34	8.51
23 37 13 13-0154	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.08	8.51
23 37 13 13-0155	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	75.88	8.51
23 37 13 13-0156	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	80.34	8.51
23 37 13 13-0157	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.15	12.55
23 37 13 13-0158	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	100.38	12.55
23 37 13 13-0159	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.92	12.55
23 37 13 13-0160	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	119.88	14.57
23 37 13 13-0161	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.69	12.55
23 37 13 13-0162	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	131.03	14.57
23 37 13 13-0163	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	65.85	8.51
23 37 13 13-0164	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	95.92	12.55
23 37 13 13-0165	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	146.07	16.59
23 37 13 13-0166	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.69	12.55
23 37 13 13-0167	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.15	12.55
23 37 13 13-0168	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	113.19	14.57
		For Lay-In Installation, Deduct	*-30.78*	
23 37 13 13-0169	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	119.88	14.57
23 37 13 13-0170	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	132.69	16.59
23 37 13 13-0171	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	139.38	16.59
23 37 13 13-0172	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	147.19	16.59
23 37 13 13-0173	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	161.68	16.59
		For Lay-In Installation, Deduct	*-35.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0174	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	116.54	14.57
23 37 13 13-0175	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	205.60	18.18
23 37 13 13-0176	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	379.50	22.22
		For Lay-In Installation, Deduct	*-50.70*	

23 37 13 13-0177 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0178 Adjustable Curved Blade Register *(23 37 13 13-0177)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0179	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	91.27	5.29
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0180	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	95.43	5.29
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	
23 37 13 13-0181	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	98.53	7.28
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0182	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	113.80	6.61
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0183	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	136.42	8.60
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0184	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	168.73	9.92
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0185	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	168.73	9.92
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0186	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	206.98	13.23
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0187	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	288.67	13.89
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0188	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	506.45	28.05
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	
23 37 13 13-0189		Removable-Reversible Core Registers *(23 37 13 13-0177)*		
		Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0190	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	109.31	5.29
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0191	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	145.40	5.29
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0192	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	183.19	7.28
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0193	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	185.96	7.28
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0194	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	239.12	8.60
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0195	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	349.15	10.58
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0196	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	399.11	9.92
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0197	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	479.00	13.23
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0198	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	617.59	13.23
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	
23 37 13 13-0199		Adjustable Shutter Blade Registers *(23 37 13 13-0177)*		
		Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0200	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	182.41	5.29
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	
23 37 13 13-0201	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	214.79	5.29
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0202	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	222.05	7.28
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0203	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	231.30	6.61
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0204	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	283.53	8.60
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0205	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	383.39	9.92
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0206	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	462.03	10.58
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	
23 37 13 13-0207	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	569.67	13.23
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0208	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	808.19	13.89
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	
23 37 13 13-0209		**Air Conditioning And Ventilation** *(23 37 13 13-0177)*		
23 37 13 13-0210	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	97.30	13.89
		For Stainless Steel, Add	*156.49*	
23 37 13 13-0211	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	180.43	20.67
		For Stainless Steel, Add	*312.95*	
23 37 13 13-0212	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	289.70	28.93
		For Stainless Steel, Add	*521.60*	
23 37 13 13-0213	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	844.38	39.69
		For Stainless Steel, Add	*1,721.27*	
23 37 13 13-0214		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0177)*		
		Note: Egg crate design aluminum construction.		
23 37 13 13-0215	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	74.97	16.59
23 37 13 13-0216	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	87.83	16.59
23 37 13 13-0217	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	130.14	24.89
23 37 13 13-0218	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	194.44	24.89
23 37 13 13-0219	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	355.71	33.17
23 37 13 13-0220	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	744.22	33.07
23 37 13 13-0221		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0177)*		
		Note: Aluminum construction.		
23 37 13 13-0222	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	241.03	11.94
23 37 13 13-0223	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	282.66	11.94
23 37 13 13-0224	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	344.53	13.27
23 37 13 13-0225	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	418.53	13.27
23 37 13 13-0226	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	520.75	41.47
23 37 13 13-0227		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0177)*		
		Note: Egg crate design, plastic construction.		
23 37 13 13-0228	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	39.35	7.96
23 37 13 13-0229	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	61.01	8.02
23 37 13 13-0230		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0177)*		
		Note: Painted steel louvers and frame.		
23 37 13 13-0231	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	130.23	11.94
23 37 13 13-0232	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	153.13	11.94
23 37 13 13-0233	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	204.02	12.61
23 37 13 13-0234	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	301.17	15.06
23 37 13 13-0235	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	330.48	27.67
23 37 13 13-0236		**Stainless Steel Devices** *(23 37 13 13-0177)*		
23 37 13 13-0237		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0238	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	225.93	10.36
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0239	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	187.85	10.36
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0240		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0241	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	166.75	10.36
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0242	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	139.06	10.36
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0243		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0236)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0244	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	252.40	10.36
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0245	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	212.43	10.36
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0246		**304 Stainless Steel Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0247	SF	Up To 4 SF, 304 Stainless Steel Return Grille	166.75	10.36
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0248	SF	>4 SF, 304 Stainless Steel Return Grille	139.06	10.36
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0249		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0250	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	166.75	10.36
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0251	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	139.06	10.36
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0252		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0253	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	166.75	10.36
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0254	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	131.45	10.36
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0255		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0256	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	205.68	10.36
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0257	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	135.50	10.36
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0258		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0259	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	316.25	10.36
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0260	SF	>4 SF, 304 Stainless Steel, Door Grille	260.89	10.36
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0261		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0262	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	409.17	10.36
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0263	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	347.74	10.36
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0264		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0265	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	296.01	10.36
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0266	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	199.12	10.36
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0267		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0268	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	151.18	10.36
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0269	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	110.87	10.36
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0270		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0236)* Note: For frequent replacement.		
23 37 13 13-0271	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	113.80	10.36
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0272	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	52.03	10.36
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0273		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0236)*		
23 37 13 13-0274	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	291.34	10.36
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0275	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	224.03	10.36
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0276		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0277	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	90.44	10.36
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0278	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	90.44	10.36
		For 316 Stainless Steel, Add	*14.64*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0279		Supply Grille With Rotating Aluminum Drum And Aluminun Frame *(23 37 13 13-0177)* Note: Titus DL or equal		
23 37 13 13-0280	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	77.53	10.25
		For Adjustable Deflection Blades, Add	*3.71*	
		For Split Vane Supply Grille, Add	*5.56*	
		For Curved Frame For Round Duct Mounting, Add	*8.84*	
		For Stainless Steel, Add	*42.79*	
23 37 13 13-0281	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	92.86	12.11
		For Adjustable Deflection Blades, Add	*4.46*	
		For Split Vane Supply Grille, Add	*6.69*	
		For Curved Frame For Round Duct Mounting, Add	*10.64*	
		For Stainless Steel, Add	*51.50*	
23 37 13 13-0282	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	108.60	12.96
		For Adjustable Deflection Blades, Add	*5.37*	
		For Split Vane Supply Grille, Add	*8.06*	
		For Curved Frame For Round Duct Mounting, Add	*12.81*	
		For Stainless Steel, Add	*61.97*	
23 37 13 13-0283	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	120.80	13.89
		For Adjustable Deflection Blades, Add	*6.05*	
		For Split Vane Supply Grille, Add	*9.07*	
		For Curved Frame For Round Duct Mounting, Add	*14.42*	
		For Stainless Steel, Add	*69.79*	
23 37 13 13-0284	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	128.12	15.35
		For Adjustable Deflection Blades, Add	*6.33*	
		For Split Vane Supply Grille, Add	*9.49*	
		For Curved Frame For Round Duct Mounting, Add	*15.09*	
		For Stainless Steel, Add	*73.04*	
23 37 13 13-0285	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	149.69	16.87
		For Adjustable Deflection Blades, Add	*7.54*	
		For Split Vane Supply Grille, Add	*11.31*	
		For Curved Frame For Round Duct Mounting, Add	*17.98*	
		For Stainless Steel, Add	*86.98*	
23 37 13 13-0286	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	180.21	18.70
		For Adjustable Deflection Blades, Add	*9.28*	
		For Split Vane Supply Grille, Add	*13.92*	
		For Curved Frame For Round Duct Mounting, Add	*22.14*	
		For Stainless Steel, Add	*107.12*	
23 37 13 13-0287	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	216.94	20.57
		For Adjustable Deflection Blades, Add	*11.43*	
		For Split Vane Supply Grille, Add	*17.15*	
		For Curved Frame For Round Duct Mounting, Add	*27.26*	
		For Stainless Steel, Add	*131.92*	
23 37 13 13-0288	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	252.76	23.14
		For Adjustable Deflection Blades, Add	*13.42*	
		For Split Vane Supply Grille, Add	*20.13*	
		For Curved Frame For Round Duct Mounting, Add	*32.00*	
		For Stainless Steel, Add	*154.85*	
23 37 13 13-0289	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	277.48	25.79
		For Adjustable Deflection Blades, Add	*14.69*	
		For Split Vane Supply Grille, Add	*22.03*	
		For Curved Frame For Round Duct Mounting, Add	*35.02*	
		For Stainless Steel, Add	*169.46*	
23 37 13 13-0290	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	97.76	13.42
		For Adjustable Deflection Blades, Add	*4.61*	
		For Split Vane Supply Grille, Add	*6.92*	
		For Curved Frame For Round Duct Mounting, Add	*10.99*	
		For Stainless Steel, Add	*53.20*	
23 37 13 13-0291	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	114.15	14.42
		For Adjustable Deflection Blades, Add	*5.55*	
		For Split Vane Supply Grille, Add	*8.32*	
		For Curved Frame For Round Duct Mounting, Add	*13.23*	
		For Stainless Steel, Add	*64.02*	
23 37 13 13-0292	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	126.89	15.41
		For Adjustable Deflection Blades, Add	*6.25*	
		For Split Vane Supply Grille, Add	*9.37*	
		For Curved Frame For Round Duct Mounting, Add	*14.90*	
		For Stainless Steel, Add	*72.10*	
23 37 13 13-0293	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	134.66	17.06
		For Adjustable Deflection Blades, Add	*6.54*	
		For Split Vane Supply Grille, Add	*9.81*	
		For Curved Frame For Round Duct Mounting, Add	*15.59*	
		For Stainless Steel, Add	*75.45*	
23 37 13 13-0294	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	163.70	18.59
		For Adjustable Deflection Blades, Add	*8.23*	
		For Split Vane Supply Grille, Add	*12.34*	
		For Curved Frame For Round Duct Mounting, Add	*19.62*	
		For Stainless Steel, Add	*94.94*	
23 37 13 13-0295	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	195.97	20.70
		For Adjustable Deflection Blades, Add	*10.04*	
		For Split Vane Supply Grille, Add	*15.07*	
		For Curved Frame For Round Duct Mounting, Add	*23.95*	
		For Stainless Steel, Add	*115.89*	
23 37 13 13-0296	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	242.75	22.75
		For Adjustable Deflection Blades, Add	*12.82*	
		For Split Vane Supply Grille, Add	*19.23*	
		For Curved Frame For Round Duct Mounting, Add	*30.58*	
		For Stainless Steel, Add	*147.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0297	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	291.30	25.66
		For Stainless Steel, Add	*540.00*	
		For Adjustable Deflection Blades, Add	*15.60*	
		For Split Vane Supply Grille, Add	*23.40*	
		For Curved Frame For Round Duct Mounting, Add	*37.20*	
		For Stainless Steel, Add	*180.00*	
23 37 13 13-0298	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	310.51	28.58
		For Adjustable Deflection Blades, Add	*16.47*	
		For Split Vane Supply Grille, Add	*24.71*	
		For Curved Frame For Round Duct Mounting, Add	*39.28*	
		For Stainless Steel, Add	*190.05*	
23 37 13 13-0299	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	105.23	14.88
		For Adjustable Deflection Blades, Add	*4.91*	
		For Split Vane Supply Grille, Add	*7.36*	
		For Curved Frame For Round Duct Mounting, Add	*11.70*	
		For Stainless Steel, Add	*56.62*	
23 37 13 13-0300	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	122.76	15.94
		For Adjustable Deflection Blades, Add	*5.91*	
		For Split Vane Supply Grille, Add	*8.86*	
		For Curved Frame For Round Duct Mounting, Add	*14.08*	
		For Stainless Steel, Add	*68.14*	
23 37 13 13-0301	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	136.40	17.06
		For Adjustable Deflection Blades, Add	*6.65*	
		For Split Vane Supply Grille, Add	*9.98*	
		For Curved Frame For Round Duct Mounting, Add	*15.86*	
		For Stainless Steel, Add	*76.73*	
23 37 13 13-0302	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	144.82	18.85
		For Adjustable Deflection Blades, Add	*6.96*	
		For Split Vane Supply Grille, Add	*10.44*	
		For Curved Frame For Round Duct Mounting, Add	*16.60*	
		For Stainless Steel, Add	*80.30*	
23 37 13 13-0303	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	175.73	20.51
		For Adjustable Deflection Blades, Add	*8.76*	
		For Split Vane Supply Grille, Add	*13.14*	
		For Curved Frame For Round Duct Mounting, Add	*20.88*	
		For Stainless Steel, Add	*101.05*	
23 37 13 13-0304	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	210.46	23.01
		For Adjustable Deflection Blades, Add	*10.69*	
		For Split Vane Supply Grille, Add	*16.03*	
		For Curved Frame For Round Duct Mounting, Add	*25.49*	
		For Stainless Steel, Add	*123.35*	
23 37 13 13-0305	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	258.60	25.26
		For Adjustable Deflection Blades, Add	*13.53*	
		For Split Vane Supply Grille, Add	*20.29*	
		For Curved Frame For Round Duct Mounting, Add	*32.25*	
		For Stainless Steel, Add	*156.07*	
23 37 13 13-0306	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	297.47	28.51
		For Adjustable Deflection Blades, Add	*15.63*	
		For Split Vane Supply Grille, Add	*23.45*	
		For Curved Frame For Round Duct Mounting, Add	*37.28*	
		For Stainless Steel, Add	*180.39*	
23 37 13 13-0307	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	330.62	31.69
		For Adjustable Deflection Blades, Add	*17.38*	
		For Split Vane Supply Grille, Add	*26.06*	
		For Curved Frame For Round Duct Mounting, Add	*41.43*	
		For Stainless Steel, Add	*200.49*	
23 37 13 13-0308	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	118.70	16.07
		For Adjustable Deflection Blades, Add	*5.62*	
		For Split Vane Supply Grille, Add	*8.43*	
		For Curved Frame For Round Duct Mounting, Add	*13.41*	
		For Stainless Steel, Add	*64.88*	
23 37 13 13-0309	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	138.65	17.26
		For Adjustable Deflection Blades, Add	*6.77*	
		For Split Vane Supply Grille, Add	*10.15*	
		For Curved Frame For Round Duct Mounting, Add	*16.13*	
		For Stainless Steel, Add	*78.07*	
23 37 13 13-0310	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	154.15	18.46
		For Adjustable Deflection Blades, Add	*7.62*	
		For Split Vane Supply Grille, Add	*11.43*	
		For Curved Frame For Round Duct Mounting, Add	*18.17*	
		For Stainless Steel, Add	*87.93*	
23 37 13 13-0311	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	163.57	20.43
		For Adjustable Deflection Blades, Add	*7.97*	
		For Split Vane Supply Grille, Add	*11.96*	
		For Curved Frame For Round Duct Mounting, Add	*19.02*	
		For Stainless Steel, Add	*92.01*	
23 37 13 13-0312	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	200.32	22.95
		For Adjustable Deflection Blades, Add	*10.03*	
		For Split Vane Supply Grille, Add	*15.05*	
		For Curved Frame For Round Duct Mounting, Add	*23.93*	
		For Stainless Steel, Add	*115.79*	
23 37 13 13-0313	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	235.06	25.53
		For Adjustable Deflection Blades, Add	*11.96*	
		For Split Vane Supply Grille, Add	*17.95*	
		For Curved Frame For Round Duct Mounting, Add	*28.53*	
		For Stainless Steel, Add	*138.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0314	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	278.20	28.18
		For Adjustable Deflection Blades, Add	*14.42*	
		For Split Vane Supply Grille, Add	*21.63*	
		For Curved Frame For Round Duct Mounting, Add	*34.38*	
		For Stainless Steel, Add	*166.35*	
23 37 13 13-0315	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	318.12	30.89
		For Adjustable Deflection Blades, Add	*16.66*	
		For Split Vane Supply Grille, Add	*24.99*	
		For Curved Frame For Round Duct Mounting, Add	*39.73*	
		For Stainless Steel, Add	*192.25*	
23 37 13 13-0316	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	353.44	34.26
		For Adjustable Deflection Blades, Add	*18.52*	
		For Split Vane Supply Grille, Add	*27.78*	
		For Curved Frame For Round Duct Mounting, Add	*44.16*	
		For Stainless Steel, Add	*213.67*	
23 37 13 13-0317	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	402.93	39.08
		For Adjustable Deflection Blades, Add	*21.11*	
		For Split Vane Supply Grille, Add	*31.67*	
		For Curved Frame For Round Duct Mounting, Add	*50.34*	
		For Stainless Steel, Add	*243.59*	
23 37 13 13-0318	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	157.83	19.45
		For Adjustable Deflection Blades, Add	*7.73*	
		For Split Vane Supply Grille, Add	*11.60*	
		For Curved Frame For Round Duct Mounting, Add	*18.44*	
		For Stainless Steel, Add	*89.24*	
23 37 13 13-0319	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	175.48	20.77
		For Adjustable Deflection Blades, Add	*8.71*	
		For Split Vane Supply Grille, Add	*13.07*	
		For Curved Frame For Round Duct Mounting, Add	*20.77*	
		For Stainless Steel, Add	*100.50*	
23 37 13 13-0320	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	186.17	22.95
		For Adjustable Deflection Blades, Add	*9.11*	
		For Split Vane Supply Grille, Add	*13.67*	
		For Curved Frame For Round Duct Mounting, Add	*21.74*	
		For Stainless Steel, Add	*105.17*	
23 37 13 13-0321	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	227.38	25.47
		For Adjustable Deflection Blades, Add	*11.47*	
		For Split Vane Supply Grille, Add	*17.20*	
		For Curved Frame For Round Duct Mounting, Add	*27.35*	
		For Stainless Steel, Add	*132.35*	
23 37 13 13-0322	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	266.49	28.05
		For Adjustable Deflection Blades, Add	*13.68*	
		For Split Vane Supply Grille, Add	*20.51*	
		For Curved Frame For Round Duct Mounting, Add	*32.61*	
		For Stainless Steel, Add	*157.79*	
23 37 13 13-0323	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	315.52	31.02
		For Adjustable Deflection Blades, Add	*16.48*	
		For Split Vane Supply Grille, Add	*24.72*	
		For Curved Frame For Round Duct Mounting, Add	*39.30*	
		For Stainless Steel, Add	*190.14*	
23 37 13 13-0324	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	360.89	33.93
		For Adjustable Deflection Blades, Add	*19.04*	
		For Split Vane Supply Grille, Add	*28.57*	
		For Curved Frame For Round Duct Mounting, Add	*45.41*	
		For Stainless Steel, Add	*219.74*	
23 37 13 13-0325	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	400.98	37.70
		For Adjustable Deflection Blades, Add	*21.17*	
		For Split Vane Supply Grille, Add	*31.75*	
		For Curved Frame For Round Duct Mounting, Add	*50.47*	
		For Stainless Steel, Add	*244.23*	
23 37 13 13-0326	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	457.11	42.93
		For Adjustable Deflection Blades, Add	*24.13*	
		For Split Vane Supply Grille, Add	*36.19*	
		For Curved Frame For Round Duct Mounting, Add	*57.54*	
		For Stainless Steel, Add	*278.42*	

23 37 13 13-0327 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

Note: Includes storage and cleaning. Excludes ductwork.

23 37 13 13-0328	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	124.01	
23 37 13 13-0329	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	136.78	
23 37 13 13-0330	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	20.50	
23 37 13 13-0331	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	27.76	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Supply Or Return Grille *(23 37 13 43)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 43-0002	EA	8" x 4" Steel Security Grille	265.84	9.95
		For Anchoring Tabs, Add	*24.59*	
		For Rear Operated Opposed Blade Damper, Add	*88.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*61.48*	
		For Stainless Steel, Add	*307.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	296.31	10.28
		For Anchoring Tabs, Add	*27.57*	
		For Rear Operated Opposed Blade Damper, Add	*98.57*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.94*	
		For Stainless Steel, Add	*344.68*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	339.96	11.61
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*113.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	294.58	11.28
		For Anchoring Tabs, Add	*27.20*	
		For Rear Operated Opposed Blade Damper, Add	*97.46*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.01*	
		For Stainless Steel, Add	*340.03*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	314.54	11.94
		For Anchoring Tabs, Add	*29.07*	
		For Rear Operated Opposed Blade Damper, Add	*104.12*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*72.66*	
		For Stainless Steel, Add	*363.31*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	361.23	12.94
		For Anchoring Tabs, Add	*33.54*	
		For Rear Operated Opposed Blade Damper, Add	*119.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*83.84*	
		For Stainless Steel, Add	*419.20*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	404.22	13.93
		For Anchoring Tabs, Add	*37.64*	
		For Rear Operated Opposed Blade Damper, Add	*134.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*94.09*	
		For Stainless Steel, Add	*470.44*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	308.40	12.61
		For Anchoring Tabs, Add	*28.32*	
		For Rear Operated Opposed Blade Damper, Add	*101.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*70.80*	
		For Stainless Steel, Add	*353.99*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	344.60	13.93
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*113.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	395.02	14.93
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*130.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	430.56	15.93
		For Anchoring Tabs, Add	*39.87*	
		For Rear Operated Opposed Blade Damper, Add	*142.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*99.68*	
		For Stainless Steel, Add	*498.39*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	477.26	16.92
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*158.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	329.04	13.60
		For Anchoring Tabs, Add	*30.18*	
		For Rear Operated Opposed Blade Damper, Add	*108.36*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*75.46*	
		For Stainless Steel, Add	*377.29*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	372.00	14.60
		For Anchoring Tabs, Add	*34.28*	
		For Rear Operated Opposed Blade Damper, Add	*122.90*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*85.70*	
		For Stainless Steel, Add	*428.51*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	415.65	15.93
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*137.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	470.47	17.25
		For Anchoring Tabs, Add	*43.60*	
		For Rear Operated Opposed Blade Damper, Add	*156.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*108.99*	
		For Stainless Steel, Add	*544.96*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	518.51	18.91
		For Anchoring Tabs, Add	*48.07*	
		For Rear Operated Opposed Blade Damper, Add	*172.02*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*120.17*	
		For Stainless Steel, Add	*600.86*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	558.42	20.24
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*185.33*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	397.02	15.93
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*130.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	455.57	17.25
		For Anchoring Tabs, Add	*42.11*	
		For Rear Operated Opposed Blade Damper, Add	*150.82*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*105.27*	
		For Stainless Steel, Add	*526.34*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	491.76	18.58
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*162.83*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	557.09	19.57
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*185.20*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	589.56	20.90
		For Anchoring Tabs, Add	*54.78*	
		For Rear Operated Opposed Blade Damper, Add	*195.90*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*136.94*	
		For Stainless Steel, Add	*684.70*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	640.66	22.23
		For Anchoring Tabs, Add	*59.62*	
		For Rear Operated Opposed Blade Damper, Add	*213.12*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*149.05*	
		For Stainless Steel, Add	*745.25*	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	419.63	17.91
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*137.91*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	481.90	19.24
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*159.05*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	529.28	20.57
		For Anchoring Tabs, Add	*48.81*	
		For Rear Operated Opposed Blade Damper, Add	*174.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*122.04*	
		For Stainless Steel, Add	*610.18*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	584.10	21.89
		For Anchoring Tabs, Add	*54.03*	
		For Rear Operated Opposed Blade Damper, Add	*193.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*135.08*	
		For Stainless Steel, Add	*675.39*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	628.15	21.57
		For Anchoring Tabs, Add	*58.50*	
		For Rear Operated Opposed Blade Damper, Add	*209.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*146.26*	
		For Stainless Steel, Add	*731.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	689.76	22.56
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*230.14*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	740.19	23.55
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*247.29*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	449.04	19.57
		For Anchoring Tabs, Add	*40.99*	
		For Rear Operated Opposed Blade Damper, Add	*147.38*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*102.47*	
		For Stainless Steel, Add	*512.36*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	508.91	21.57
		For Anchoring Tabs, Add	*46.58*	
		For Rear Operated Opposed Blade Damper, Add	*167.34*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*116.45*	
		For Stainless Steel, Add	*582.23*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	563.07	22.56
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*185.79*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	621.62	23.89
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*205.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	686.95	24.89
		For Anchoring Tabs, Add	*63.72*	
		For Rear Operated Opposed Blade Damper, Add	*227.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*159.30*	
		For Stainless Steel, Add	*796.49*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	744.83	25.87
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*247.75*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	798.99	26.87
		For Anchoring Tabs, Add	*74.53*	
		For Rear Operated Opposed Blade Damper, Add	*266.21*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*186.31*	
		For Stainless Steel, Add	*931.56*	
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	864.32	27.87
		For Anchoring Tabs, Add	*80.86*	
		For Rear Operated Opposed Blade Damper, Add	*288.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*202.15*	
		For Stainless Steel, Add	*1,010.74*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	498.38	21.89
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*163.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	565.72	23.89
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*186.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	622.94	24.55
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*205.75*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	699.04	27.21
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*231.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	756.92	28.19
		For Anchoring Tabs, Add	*70.05*	
		For Rear Operated Opposed Blade Damper, Add	*250.82*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*175.13*	
		For Stainless Steel, Add	*875.66*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	829.71	29.19
		For Anchoring Tabs, Add	*77.13*	
		For Rear Operated Opposed Blade Damper, Add	*275.80*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*192.83*	
		For Stainless Steel, Add	*964.16*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	913.68	30.19
		For Anchoring Tabs, Add	*85.33*	
		For Rear Operated Opposed Blade Damper, Add	*304.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*213.33*	
		For Stainless Steel, Add	*1,066.64*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	971.56	31.19
		For Anchoring Tabs, Add	*90.92*	
		For Rear Operated Opposed Blade Damper, Add	*324.46*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*227.30*	
		For Stainless Steel, Add	*1,136.50*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,094.78	33.17
		For Anchoring Tabs, Add	*102.84*	
		For Rear Operated Opposed Blade Damper, Add	*366.59*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*257.11*	
		For Stainless Steel, Add	*1,285.55*	

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,337.96	38.36
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,400.95	43.92
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,752.80	54.64
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,867.09	58.13
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,180.93	67.66
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,582.93	43.65
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,736.97	49.20
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,033.78	52.91
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,185.88	64.12
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,538.27	68.78
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,890.45	73.02
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,902.07	49.81
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,167.50	56.75
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,432.93	63.70
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,742.54	71.83
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,096.46	81.08
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,300.14	60.25
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,388.62	62.57
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,654.03	69.52
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,007.87	78.77
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,361.74	88.03
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,848.32	100.79
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,288.31	59.40
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,662.73	69.12
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,037.21	78.84
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,453.25	89.62
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,827.70	99.35
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,389.63	65.88
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,703.00	74.54
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,016.43	83.14
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,486.52	96.11
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,839.08	105.83
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,992.60	88.56
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,321.03	98.29
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,795.49	112.31
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,160.43	123.08
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,561.88	135.00
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,621.07	100.79
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,989.89	111.05
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,392.28	122.23
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,794.61	133.47
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,833.98	162.37
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,236.36	173.55
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,144.52	125.07
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,546.56	137.18
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,443.51	164.23
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,062.08	182.88
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,433.27	194.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,928.11	209.01
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,794.15	235.13
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,977.40	140.02
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,179.77	173.82
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,046.64	198.22
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,298.27	205.30
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,137.16	228.85
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,948.07	251.66
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,510.47	202.13
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,042.51	218.66
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,574.48	235.20
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,410.44	261.13
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,947.78	264.56
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,581.35	227.85
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,504.06	255.56
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,227.31	277.32
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,825.79	295.32
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,450.79	283.67
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,908.84	302.39
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,616.90	325.61
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,818.13	327.13
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,481.10	382.56
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,984.52	352.73

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001 Universal Ventless Hood *(23 38 13 13)*

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	55,339.63	318.05

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,379.04	596.72
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	12,875.80	634.01
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	14,416.21	671.31
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	14,827.38	708.60
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	15,340.11	745.90
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,885.85	783.19
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	16,399.04	820.49
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,929.43	857.78
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	17,526.65	895.07
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,037.97	932.37
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	18,449.85	969.67
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,183.14	1,006.96
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	21,596.70	1,044.25
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	22,162.39	1,081.55
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	22,957.61	1,118.85
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,538.59	1,156.14
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	24,438.01	1,193.43

23 38 13 16-0020 Dry Extractor Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	17,702.73	596.72
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,233.18	634.01
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	19,874.67	671.31
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,420.62	708.60
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	20,967.05	745.90
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,479.09	783.19
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,025.97	820.49
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,539.52	857.78
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,018.81	895.07
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,732.29	932.37
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	24,565.35	969.67
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,450.26	1,006.96
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	27,375.26	1,044.25
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	28,277.89	1,081.55
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	30,100.78	1,118.85
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	31,945.30	1,156.14
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	33,771.31	1,193.43

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,050.50	596.72
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,614.64	634.01
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,289.83	671.31
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,852.62	708.60
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,449.59	745.90
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,995.33	783.19
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,559.06	820.49
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,123.15	857.78
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,619.28	895.07
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,400.15	932.37
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,300.60	969.67
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,252.90	1,006.96
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,245.29	1,044.25
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,215.31	1,081.55
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,223.52	1,118.85
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,191.98	1,156.14
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,158.79	1,193.43
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,867.79	298.36
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	56,710.77	303.43
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	58,389.80	310.81
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	60,050.68	318.05
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	61,717.47	328.19
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	63,380.04	336.25
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	65,025.53	344.76
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	66,701.64	350.65
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	68,366.52	359.89
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	70,039.13	372.95
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	71,721.07	390.70
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	73,390.49	402.19
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	75,069.75	418.59
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	76,742.63	431.80
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	78,417.22	445.90
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	80,093.72	460.96
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	81,772.30	477.01
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	83,441.45	488.41
23 38 13 16-0075		**Stainless Steel Exhaust Hood Material** *(23 38 13 16)* Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	34.57	8.49
		For Type 316 Stainless Steel, Add	*1.70*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	43.21	11.33
		For Type 316 Stainless Steel, Add	*2.12*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	60.11	15.29
		For Type 316 Stainless Steel, Add	*2.96*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	75.85	18.68
		For Type 316 Stainless Steel, Add	*3.81*	
23 38 13 16-0080		**Kitchen Exhaust Hood** *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) Note: Ductwork connections by others.	9,071.40	1,224.09
		For Type 316 Stainless Steel, Add	*662.32*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) Note: Ductwork connections by others.	8,581.76	979.27
		For Type 316 Stainless Steel, Add	*662.32*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) Note: Ductwork connections by others.	4,753.22	489.64
		For Type 316 Stainless Steel, Add	*377.40*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	5,889.64	734.46
		For Type 316 Stainless Steel, Add	*442.07*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	5,417.57	612.05
		For Type 316 Stainless Steel, Add	*419.35*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0001		**Disposable Air Filters** *(23 41 13)*		
23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	9.79	
23 41 13 00-0003		**Disposable Fiberglass Air Filters** *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.09	3.19
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.09	3.19
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.79	3.19
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.51	3.33
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.51	3.33
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.51	3.33
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.51	3.33
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.75	3.33
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.08	3.48
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.06	3.48
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.38	3.48
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.38	3.48
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.38	3.48
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.04	3.48
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.08	3.48
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.95	3.69
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.49	3.69
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.97	3.69
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.95	3.69
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.97	3.69
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.87	3.69
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.02	3.78
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.02	3.78
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.46	3.78
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.12	3.83
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.77	3.83
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.17	3.83
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.15	3.83
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.54	3.83
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.54	3.83
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.23	3.83
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.93	3.83
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.35	3.98
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.97	3.98
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.35	3.98
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.63	3.98
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.50	3.98
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.65	3.98
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.97	4.18
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	9.98	4.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.35	4.18
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.56	4.18
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.15	4.18
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.69	4.18
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.30	4.18
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.27	4.23
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.34	4.28
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.41	4.33
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.06	4.33
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.69	4.33
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.47	4.38
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.14	4.38
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	11.52	3.33
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	10.42	3.33
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.66	3.48
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.93	3.69
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.93	3.69
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.17	3.78
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.00	3.83
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	12.83	3.83
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.24	3.83
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.15	3.98
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.52	4.18
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.24	4.18
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.24	4.18
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.73	4.33
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.79	4.38

23 41 13 00-0071 Disposable Pleated Air Filters *(23 41 13)*

23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	10.63	3.33
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.93	3.33
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	23.68	3.33
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	14.75	3.48
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.39	3.48
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	13.18	3.48
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	13.18	3.48
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	23.87	3.48
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	17.04	3.69
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.66	3.69
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	18.77	3.69
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	14.28	3.69
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	22.60	3.69
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.92	3.78
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	17.24	3.83
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	13.58	3.83
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.66	3.83
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	14.27	3.83
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	22.80	3.83
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	24.54	3.98
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	16.82	3.98
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.44	3.98
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	16.17	3.98
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	24.72	3.98
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.85	4.18
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	16.25	4.18
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	16.01	4.18
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	18.81	4.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	23.90	4.28
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.46	4.33
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	30.70	4.33
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.74	4.38
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	13.34	3.33
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	18.54	3.48
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	13.99	3.48
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	13.70	3.48
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.50	3.69
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	15.35	3.69
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.63	3.78
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	19.60	3.83
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	14.17	3.83
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.87	3.83
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	15.26	3.83
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	23.21	3.98
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.04	3.98
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	16.82	3.98
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	17.67	3.98
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	15.93	4.18
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.48	4.18
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	17.21	4.18
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	27.26	4.18
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	18.65	4.33
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	21.13	4.38
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	23.45	3.48
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	25.26	3.83
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	27.35	3.83
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	29.70	3.98
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	27.70	4.18
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	30.63	4.18
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	30.89	4.18
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.04	4.33
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	21.12	3.33
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	21.12	3.33
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	28.69	3.33
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	22.44	3.48
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	21.76	3.48
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	21.65	3.48
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.92	3.48
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	25.87	3.69
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	22.20	3.69
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.08	3.69
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.32	3.69
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	35.25	3.69
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	20.99	3.78
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	31.74	3.83
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	19.22	3.83
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.24	3.83
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	23.70	3.83
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.91	3.83
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	33.59	3.98
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.72	3.98
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.48	3.98
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	26.44	3.98
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.64	3.98
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.35	4.18
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	27.25	4.18
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	27.56	4.18
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.96	4.18
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	36.94	4.28
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.18	4.33
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.77	4.33
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.59	4.38
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	21.57	3.33
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	22.74	3.48
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	21.40	3.48
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	25.91	3.48
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	22.51	3.69
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	23.82	3.69
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	23.13	3.78
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	32.50	3.83
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.66	3.83
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	26.84	3.83
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	31.04	3.83
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	38.00	3.98
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	29.09	3.98
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	33.92	3.98
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.71	3.98
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.12	4.18
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	34.81	4.18
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.21	4.18
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	35.01	4.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.47	4.38
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	44.88	3.48
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	45.65	3.83
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	55.28	3.83
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	55.01	3.98
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	54.52	4.18
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	60.57	4.18
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	60.57	4.18
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	68.03	4.33
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.29	3.19
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.29	3.19
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.29	3.19
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	3.33
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.07	3.33
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	3.33
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	3.33
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.49	3.33
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.26	3.48
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.68	3.48
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.26	3.48
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.26	3.48
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.68	3.48
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.68	3.48
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.09	3.48
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.53	3.69
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.95	3.69
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.53	3.69
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.53	3.69
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.53	3.69
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.95	3.69
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.66	3.78
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.08	3.78
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.08	3.78
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.73	3.83
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.15	3.83
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.73	3.83
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.73	3.83
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.73	3.83
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.15	3.83
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.15	3.83
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.74	3.83
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.93	3.98
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.76	3.98
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	27.93	3.98
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.76	3.98
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.76	3.98
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.94	3.98
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.02	4.18
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.19	4.18
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.19	4.18
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	28.19	4.18
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.61	4.18
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.20	4.18
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.20	4.18
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.09	4.23
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	29.74	4.28
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.64	4.33
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.64	4.33
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.23	4.33
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	4.38
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.29	4.38
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.43	4.48
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	976.15	9.95
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	73.60	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	71.08	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.07	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	126.64	

23 41 19 Washable Air Filters *(23 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	48.36	
23 41 33		**High-Efficiency Particulate Filtration** *(23 41)*		
23 41 33 00-0001		High Efficiency Particulate Air (HEPA) Filters *(23 41 33)* Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*		
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	114.49	9.29
		For Removal And Replacement In Existing Equipment, Add	*1.86*	
		For >10 To 25, Deduct	*-2.86*	
		For >25 To 50, Deduct	*-5.72*	
		For >50 To 100, Deduct	*-8.59*	
		For >100, Deduct	*-11.45*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	155.11	10.62
		For Removal And Replacement In Existing Equipment, Add	*2.12*	
		For >10 To 25, Deduct	*-3.88*	
		For >25 To 50, Deduct	*-7.76*	
		For >50 To 100, Deduct	*-11.63*	
		For >100, Deduct	*-15.51*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	181.79	12.28
		For Removal And Replacement In Existing Equipment, Add	*2.46*	
		For >10 To 25, Deduct	*-4.54*	
		For >25 To 50, Deduct	*-9.09*	
		For >50 To 100, Deduct	*-13.63*	
		For >100, Deduct	*-18.18*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	208.49	13.93
		For Removal And Replacement In Existing Equipment, Add	*2.79*	
		For >10 To 25, Deduct	*-5.21*	
		For >25 To 50, Deduct	*-10.42*	
		For >50 To 100, Deduct	*-15.64*	
		For >100, Deduct	*-20.85*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	141.77	9.95
		For Removal And Replacement In Existing Equipment, Add	*1.99*	
		For >10 To 25, Deduct	*-3.54*	
		For >25 To 50, Deduct	*-7.09*	
		For >50 To 100, Deduct	*-10.63*	
		For >100, Deduct	*-14.18*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	193.31	11.61
		For Removal And Replacement In Existing Equipment, Add	*2.32*	
		For >10 To 25, Deduct	*-4.83*	
		For >25 To 50, Deduct	*-9.67*	
		For >50 To 100, Deduct	*-14.50*	
		For >100, Deduct	*-19.33*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	232.07	13.27
		For Removal And Replacement In Existing Equipment, Add	*2.66*	
		For >10 To 25, Deduct	*-5.80*	
		For >25 To 50, Deduct	*-11.60*	
		For >50 To 100, Deduct	*-17.41*	
		For >100, Deduct	*-23.21*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	274.14	16.59
		For Removal And Replacement In Existing Equipment, Add	*3.32*	
		For >10 To 25, Deduct	*-6.85*	
		For >25 To 50, Deduct	*-13.71*	
		For >50 To 100, Deduct	*-20.56*	
		For >100, Deduct	*-27.41*	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	97.53	8.30
		For Removal And Replacement In Existing Equipment, Add	*1.66*	
		For >10 To 25, Deduct	*-2.44*	
		For >25 To 50, Deduct	*-4.88*	
		For >50 To 100, Deduct	*-7.31*	
		For >100, Deduct	*-9.75*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	137.53	9.95
		For Removal And Replacement In Existing Equipment, Add	*1.99*	
		For >10 To 25, Deduct	*-3.44*	
		For >25 To 50, Deduct	*-6.88*	
		For >50 To 100, Deduct	*-10.31*	
		For >100, Deduct	*-13.75*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	216.48	11.61
		For Removal And Replacement In Existing Equipment, Add	*2.32*	
		For >10 To 25, Deduct	*-5.41*	
		For >25 To 50, Deduct	*-10.82*	
		For >50 To 100, Deduct	*-16.24*	
		For >100, Deduct	*-21.65*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	281.10	13.27
		For Removal And Replacement In Existing Equipment, Add	*2.66*	
		For >10 To 25, Deduct	*-7.03*	
		For >25 To 50, Deduct	*-14.06*	
		For >50 To 100, Deduct	*-21.08*	
		For >100, Deduct	*-28.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	94.14	6.64
		For Removal And Replacement In Existing Equipment, Add	*1.33*	
		For >10 To 25, Deduct	*-2.35*	
		For >25 To 50, Deduct	*-4.71*	
		For >50 To 100, Deduct	*-7.06*	
		For >100, Deduct	*-9.41*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	124.48	8.96
		For Removal And Replacement In Existing Equipment, Add	*1.79*	
		For >10 To 25, Deduct	*-3.11*	
		For >25 To 50, Deduct	*-6.22*	
		For >50 To 100, Deduct	*-9.34*	
		For >100, Deduct	*-12.45*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	169.98	10.62
		For Removal And Replacement In Existing Equipment, Add	*2.12*	
		For >10 To 25, Deduct	*-4.25*	
		For >25 To 50, Deduct	*-8.50*	
		For >50 To 100, Deduct	*-12.75*	
		For >100, Deduct	*-17.00*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	199.60	12.44
		For Removal And Replacement In Existing Equipment, Add	*2.49*	
		For >10 To 25, Deduct	*-4.99*	
		For >25 To 50, Deduct	*-9.98*	
		For >50 To 100, Deduct	*-14.97*	
		For >100, Deduct	*-19.96*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	228.56	13.93
		For Removal And Replacement In Existing Equipment, Add	*2.79*	
		For >10 To 25, Deduct	*-5.71*	
		For >25 To 50, Deduct	*-11.43*	
		For >50 To 100, Deduct	*-17.14*	
		For >100, Deduct	*-22.86*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	155.30	9.95
		For Removal And Replacement In Existing Equipment, Add	*1.99*	
		For >10 To 25, Deduct	*-3.88*	
		For >25 To 50, Deduct	*-7.77*	
		For >50 To 100, Deduct	*-11.65*	
		For >100, Deduct	*-15.53*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	212.21	11.61
		For Removal And Replacement In Existing Equipment, Add	*2.32*	
		For >10 To 25, Deduct	*-5.31*	
		For >25 To 50, Deduct	*-10.61*	
		For >50 To 100, Deduct	*-15.92*	
		For >100, Deduct	*-21.22*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	254.91	13.27
		For Removal And Replacement In Existing Equipment, Add	*2.66*	
		For >10 To 25, Deduct	*-6.37*	
		For >25 To 50, Deduct	*-12.75*	
		For >50 To 100, Deduct	*-19.12*	
		For >100, Deduct	*-25.49*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	313.65	16.59
		For Removal And Replacement In Existing Equipment, Add	*3.32*	
		For >10 To 25, Deduct	*-7.84*	
		For >25 To 50, Deduct	*-15.68*	
		For >50 To 100, Deduct	*-23.52*	
		For >100, Deduct	*-31.37*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	236.64	49.58
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	430.12	98.54
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	439.37	98.54
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	445.53	98.54
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	488.69	98.54
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	542.63	98.54
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	823.24	197.69
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	954.25	197.69
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,120.70	197.69
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	262.84	49.58
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	474.82	98.54
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	485.60	98.54
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	493.31	98.54
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	544.17	98.54
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	611.98	98.54
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	931.13	197.69
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,094.50	197.69
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,301.02	197.69

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	174.49	64.27
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	217.61	64.27

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	169.54	64.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	201.35	64.27

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.34	4.98
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	41.88	4.98
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	42.20	4.98
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	42.20	4.98
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	46.25	4.98
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.89	4.98
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	52.96	5.64
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.41	5.64
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.79	5.64
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	53.79	5.64
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	58.26	5.64
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	70.72	5.64
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	22.84	4.98
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	24.77	4.98
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	24.84	4.98
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	27.36	4.98
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	29.59	4.98
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	26.57	5.64
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	29.92	5.64
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	30.63	5.64
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	34.79	5.64
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	37.43	5.64
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	65.35	5.97

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,181.27
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,649.35
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,190.33
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	928.86
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,681.13
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,696.23

23 43 23 00-0008 Surface Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,680.19
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	3,889.58
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,505.69

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,666.16

23 43 23 00-0014 Duct Mounted, Ionization System *(23 43 23)*

23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	11,308.12	265.41
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	15,383.98	331.76

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,775.79	134.65
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,295.30	146.89
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,192.17	162.20
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	6,846.25	188.21

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,577.22	146.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,625.36	162.20
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,358.11	189.74
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,744.71	212.69
23 51 13 13-0012		Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*		
23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	463.08	45.90
23 51 13 16		**Vent Dampers** *(23 51 13)*		
23 51 13 16-0001		Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,034.86	27.18
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,140.01	28.83
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,265.30	30.60
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,352.18	32.63
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,479.96	34.96
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,569.44	37.64
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,739.60	40.81
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,911.88	44.51
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,157.50	46.67
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,324.16	48.96
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,550.68	51.41
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	2,906.86	81.40
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,203.03	86.45
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,480.93	91.81
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,532.18	94.87
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,643.03	97.93
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,726.68	104.05
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	3,896.86	107.04
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,058.84	113.16
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,233.67	122.41
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,458.54	126.61
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,676.23	128.53
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	4,906.94	134.65
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,139.15	140.77
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,372.11	146.89
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,603.96	153.01
23 51 13 19		**Barometric Dampers** *(23 51 13)*		
23 51 13 19-0001		Barometric Dampers *(23 51 13 19)*		
23 51 13 19-0002	EA	6" x 6" Barometric Damper	514.77	5.29
23 51 13 19-0003	EA	12" x 12" Barometric Damper	747.02	7.28
23 51 13 19-0004	EA	18" x 18" Barometric Damper	992.40	11.24
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,147.84	21.17
23 51 13 19-0006	EA	6" Diameter Barometric Damper	239.88	5.29
		For Stainless Steel, Add	*263.22*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	284.41	5.95
		For Stainless Steel, Add	*312.72*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	329.91	6.61
		For Stainless Steel, Add	*362.66*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	411.94	6.61
		For Stainless Steel, Add	*459.41*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	552.10	7.94
		For Stainless Steel, Add	*625.90*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	706.71	8.60
		For Stainless Steel, Add	*807.23*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	895.12	9.26
		For Stainless Steel, Add	*1,029.50*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,072.20	9.92
		For Stainless Steel, Add	*1,237.38*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,248.10	11.24
		For Stainless Steel, Add	*1,444.81*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,656.22	11.90
		For Stainless Steel, Add	*1,930.32*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,977.21	13.23
		For Stainless Steel, Add	*2,310.54*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,393.90	13.23
		For Stainless Steel, Add	*2,807.74*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,959.88	15.22
		For Stainless Steel, Add	*3,480.42*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,791.69	15.88
		For Stainless Steel, Add	*4,474.84*	
23 51 16		**Fabricated Breechings and Accessories** *(23 51)*		
23 51 16 00-0001		Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*		
23 51 16 00-0002		Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	20.92	5.45
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*3.56*	
		For 3" To 4" Wall Instead Of 1", Add	*6.02*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	23.02	5.75
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*4.10*	
		For 3" To 4" Wall Instead Of 1", Add	*6.85*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	25.79	6.12
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*4.71*	
		For 3" To 4" Wall Instead Of 1", Add	*7.82*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	28.51	6.55
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*5.33*	
		For 3" To 4" Wall Instead Of 1", Add	*8.79*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	35.34	6.98
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*7.18*	
		For 3" To 4" Wall Instead Of 1", Add	*11.63*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	39.29	7.53
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*7.99*	
		For 3" To 4" Wall Instead Of 1", Add	*12.93*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	63.40	8.08
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*14.91*	
		For 3" To 4" Wall Instead Of 1", Add	*23.40*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	79.78	8.94
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*19.48*	
		For 3" To 4" Wall Instead Of 1", Add	*30.33*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	119.88	9.30
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*31.30*	
		For 3" To 4" Wall Instead Of 1", Add	*48.12*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	154.56	9.79
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*41.49*	
		For 3" To 4" Wall Instead Of 1", Add	*63.46*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	194.14	10.28
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*53.05*	
		For 3" To 4" Wall Instead Of 1", Add	*80.87*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	239.94	16.34
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*63.92*	
		For 3" To 4" Wall Instead Of 1", Add	*97.90*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	295.27	17.26
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*79.87*	
		For 3" To 4" Wall Instead Of 1", Add	*121.98*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	356.56	18.36
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*97.71*	
		For 3" To 4" Wall Instead Of 1", Add	*148.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	420.59	18.97
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*116.70*	
		For 3" To 4" Wall Instead Of 1", Add	*177.42*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	441.69	19.59
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*122.72*	
		For 3" To 4" Wall Instead Of 1", Add	*186.53*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	469.02	20.99
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*130.23*	
		For 3" To 4" Wall Instead Of 1", Add	*197.96*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	536.07	21.79
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*149.95*	
		For 3" To 4" Wall Instead Of 1", Add	*227.64*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	605.42	22.58
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*170.34*	
		For 3" To 4" Wall Instead Of 1", Add	*258.33*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	638.06	23.50
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*179.68*	
		For 3" To 4" Wall Instead Of 1", Add	*272.45*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	694.73	24.48
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*196.19*	
		For 3" To 4" Wall Instead Of 1", Add	*297.35*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	769.05	25.52
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*217.95*	
		For 3" To 4" Wall Instead Of 1", Add	*330.11*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	804.55	26.69
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*228.01*	
		For 3" To 4" Wall Instead Of 1", Add	*345.35*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	894.52	27.97
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*254.36*	
		For 3" To 4" Wall Instead Of 1", Add	*385.04*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	973.96	29.38
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*277.50*	
		For 3" To 4" Wall Instead Of 1", Add	*419.92*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,075.30	30.91
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*307.16*	
		For 3" To 4" Wall Instead Of 1", Add	*464.60*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	60.59	10.89
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*12.78*	
		For 3" To 4" Wall Instead Of 1", Add	*20.52*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.38	11.51
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*14.77*	
		For 3" To 4" Wall Instead Of 1", Add	*23.60*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	77.84	12.24
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*17.26*	
		For 3" To 4" Wall Instead Of 1", Add	*27.41*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	87.44	13.04
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*19.76*	
		For 3" To 4" Wall Instead Of 1", Add	*31.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.33	13.95
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*25.56*	
		For 3" To 4" Wall Instead Of 1", Add	*40.08*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	129.86	15.06
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*31.43*	
		For 3" To 4" Wall Instead Of 1", Add	*49.03*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	253.04	16.34
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*67.73*	
		For 3" To 4" Wall Instead Of 1", Add	*103.64*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	311.94	17.81
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*84.68*	
		For 3" To 4" Wall Instead Of 1", Add	*129.25*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	416.44	18.67
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*115.60*	
		For 3" To 4" Wall Instead Of 1", Add	*175.74*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	521.04	19.59
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*146.54*	
		For 3" To 4" Wall Instead Of 1", Add	*222.25*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	686.06	20.63
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*195.50*	
		For 3" To 4" Wall Instead Of 1", Add	*295.83*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	957.74	32.62
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*270.99*	
		For 3" To 4" Wall Instead Of 1", Add	*410.57*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,285.30	34.58
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*368.30*	
		For 3" To 4" Wall Instead Of 1", Add	*556.78*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,456.75	36.72
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*418.65*	
		For 3" To 4" Wall Instead Of 1", Add	*632.56*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	46.55	10.89
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*8.53*	
		For 3" To 4" Wall Instead Of 1", Add	*14.15*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	51.65	11.51
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*9.73*	
		For 3" To 4" Wall Instead Of 1", Add	*16.04*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	57.47	12.24
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*11.12*	
		For 3" To 4" Wall Instead Of 1", Add	*18.21*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	64.79	13.04
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*12.91*	
		For 3" To 4" Wall Instead Of 1", Add	*21.00*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.07	13.95
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*17.33*	
		For 3" To 4" Wall Instead Of 1", Add	*27.74*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.67	15.06
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*19.67*	
		For 3" To 4" Wall Instead Of 1", Add	*31.39*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	173.38	16.34
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*43.85*	
		For 3" To 4" Wall Instead Of 1", Add	*67.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	211.66	17.81
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*54.60*	
		For 3" To 4" Wall Instead Of 1", Add	*84.12*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	281.81	18.67
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*75.21*	
		For 3" To 4" Wall Instead Of 1", Add	*115.15*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	344.04	19.59
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*93.42*	
		For 3" To 4" Wall Instead Of 1", Add	*142.58*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	448.09	20.63
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*124.12*	
		For 3" To 4" Wall Instead Of 1", Add	*188.76*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	528.66	32.56
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*142.32*	
		For 3" To 4" Wall Instead Of 1", Add	*217.55*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	759.64	34.58
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*210.60*	
		For 3" To 4" Wall Instead Of 1", Add	*320.23*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	944.78	36.72
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*265.08*	
		For 3" To 4" Wall Instead Of 1", Add	*402.21*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,777.82	37.95
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*514.38*	
		For 3" To 4" Wall Instead Of 1", Add	*776.32*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,826.99	39.17
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*528.52*	
		For 3" To 4" Wall Instead Of 1", Add	*797.68*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,925.33	41.62
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*556.80*	
		For 3" To 4" Wall Instead Of 1", Add	*840.40*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,158.93	42.84
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*626.27*	
		For 3" To 4" Wall Instead Of 1", Add	*944.76*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,361.02	45.29
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*685.67*	
		For 3" To 4" Wall Instead Of 1", Add	*1,034.17*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,427.83	48.96
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*703.88*	
		For 3" To 4" Wall Instead Of 1", Add	*1,061.94*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,605.02	50.68
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*756.18*	
		For 3" To 4" Wall Instead Of 1", Add	*1,140.61*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,779.77	51.41
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*808.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,218.78*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,901.16	53.86
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*843.44*	
		For 3" To 4" Wall Instead Of 1", Add	*1,271.88*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,080.18	56.31
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*895.92*	
		For 3" To 4" Wall Instead Of 1", Add	*1,350.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,316.85	58.76
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*965.70*	
		For 3" To 4" Wall Instead Of 1", Add	*1,455.89*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,438.23	61.21
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,000.89*	
		For 3" To 4" Wall Instead Of 1", Add	*1,508.98*	
23 51 16 00-0071		**Tees** *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	83.58	14.51
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*17.81*	
		For 3" To 4" Wall Instead Of 1", Add	*28.53*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	87.21	15.06
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*18.64*	
		For 3" To 4" Wall Instead Of 1", Add	*29.83*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	91.04	15.67
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*19.48*	
		For 3" To 4" Wall Instead Of 1", Add	*31.18*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	98.46	16.34
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*21.37*	
		For 3" To 4" Wall Instead Of 1", Add	*34.10*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	122.14	17.02
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*28.12*	
		For 3" To 4" Wall Instead Of 1", Add	*44.31*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	132.11	17.81
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*30.73*	
		For 3" To 4" Wall Instead Of 1", Add	*48.32*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	284.11	18.67
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*75.91*	
		For 3" To 4" Wall Instead Of 1", Add	*116.19*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	334.82	19.59
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*90.66*	
		For 3" To 4" Wall Instead Of 1", Add	*138.43*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	520.10	21.79
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*145.15*	
		For 3" To 4" Wall Instead Of 1", Add	*220.45*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	720.56	24.48
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*203.93*	
		For 3" To 4" Wall Instead Of 1", Add	*308.95*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	899.91	27.97
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*255.99*	
		For 3" To 4" Wall Instead Of 1", Add	*387.48*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,204.52	34.58
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*344.09*	
		For 3" To 4" Wall Instead Of 1", Add	*520.45*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,507.75	45.17
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*429.74*	
		For 3" To 4" Wall Instead Of 1", Add	*650.26*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,744.72	47.74
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*499.55*	
		For 3" To 4" Wall Instead Of 1", Add	*755.29*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,434.08	51.41
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*704.51*	
		For 3" To 4" Wall Instead Of 1", Add	*1,063.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,727.20	53.43
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*791.46*	
		For 3" To 4" Wall Instead Of 1", Add	*1,193.86*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,964.99	56.31
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*861.35*	
		For 3" To 4" Wall Instead Of 1", Add	*1,299.06*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,432.17	58.76
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,000.28*	
		For 3" To 4" Wall Instead Of 1", Add	*1,507.77*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,495.98	61.21
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,018.19*	
		For 3" To 4" Wall Instead Of 1", Add	*1,534.94*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,082.64	65.31
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,192.13*	
		For 3" To 4" Wall Instead Of 1", Add	*1,796.36*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,160.67	73.45
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,211.46*	
		For 3" To 4" Wall Instead Of 1", Add	*1,826.38*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,532.69	83.97
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,317.83*	
		For 3" To 4" Wall Instead Of 1", Add	*1,987.24*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,971.09	97.93
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,442.36*	
		For 3" To 4" Wall Instead Of 1", Add	*2,175.79*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,404.93	110.17
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,566.44*	
		For 3" To 4" Wall Instead Of 1", Add	*2,363.42*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,932.87	113.84
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,722.98*	
		For 3" To 4" Wall Instead Of 1", Add	*2,598.69*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,287.98	117.51
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,827.66*	
		For 3" To 4" Wall Instead Of 1", Add	*2,756.17*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	39.16	8.51
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*7.49*	
		For 3" To 4" Wall Instead Of 1", Add	*12.30*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	41.07	8.94
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*7.87*	
		For 3" To 4" Wall Instead Of 1", Add	*12.91*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	57.10	9.79
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*12.23*	
		For 3" To 4" Wall Instead Of 1", Add	*19.58*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	59.80	10.89
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*12.50*	
		For 3" To 4" Wall Instead Of 1", Add	*20.12*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	76.84	11.51
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*17.30*	
		For 3" To 4" Wall Instead Of 1", Add	*27.39*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	94.00	12.24
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*22.08*	
		For 3" To 4" Wall Instead Of 1", Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	257.43	13.95
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*70.24*	
		For 3" To 4" Wall Instead Of 1", Add	*107.11*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	500.19	17.50
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*141.32*	
		For 3" To 4" Wall Instead Of 1", Add	*214.16*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	951.59	20.99
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*274.99*	
		For 3" To 4" Wall Instead Of 1", Add	*415.10*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,595.09	29.38
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*463.84*	
		For 3" To 4" Wall Instead Of 1", Add	*699.43*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,382.78	30.91
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*699.38*	
		For 3" To 4" Wall Instead Of 1", Add	*1,052.93*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,675.29	32.62
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*786.27*	
		For 3" To 4" Wall Instead Of 1", Add	*1,183.48*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,025.95	34.58
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*890.50*	
		For 3" To 4" Wall Instead Of 1", Add	*1,340.07*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,204.26	36.72
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*942.91*	
		For 3" To 4" Wall Instead Of 1", Add	*1,418.96*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,383.29	39.17
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*995.40*	
		For 3" To 4" Wall Instead Of 1", Add	*1,497.99*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,620.76	41.99
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,065.25*	
		For 3" To 4" Wall Instead Of 1", Add	*1,603.12*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	13.49	4.59
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*1.76*	
		For 3" To 4" Wall Instead Of 1", Add	*3.21*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	16.86	5.88
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*2.11*	
		For 3" To 4" Wall Instead Of 1", Add	*3.90*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	22.32	7.90
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*2.75*	
		For 3" To 4" Wall Instead Of 1", Add	*5.11*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	28.15	9.79
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*3.55*	
		For 3" To 4" Wall Instead Of 1", Add	*6.55*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	42.49	13.22
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*6.14*	
		For 3" To 4" Wall Instead Of 1", Add	*10.86*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	54.38	16.40
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*8.11*	
		For 3" To 4" Wall Instead Of 1", Add	*14.22*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	71.63	19.59
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*11.70*	
		For 3" To 4" Wall Instead Of 1", Add	*19.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	98.72	23.26
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*17.99*	
		For 3" To 4" Wall Instead Of 1", Add	*29.89*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	145.83	25.71
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*30.90*	
		For 3" To 4" Wall Instead Of 1", Add	*49.56*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	40.44	10.89
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*6.70*	
		For 3" To 4" Wall Instead Of 1", Add	*11.40*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	45.88	11.51
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*8.00*	
		For 3" To 4" Wall Instead Of 1", Add	*13.44*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	61.21	13.04
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*11.84*	
		For 3" To 4" Wall Instead Of 1", Add	*19.39*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	76.72	15.06
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*15.49*	
		For 3" To 4" Wall Instead Of 1", Add	*25.11*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	148.03	16.34
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*36.25*	
		For 3" To 4" Wall Instead Of 1", Add	*56.41*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	180.52	17.81
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*45.26*	
		For 3" To 4" Wall Instead Of 1", Add	*70.11*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	216.11	19.59
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*55.04*	
		For 3" To 4" Wall Instead Of 1", Add	*85.01*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	261.96	21.79
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*67.69*	
		For 3" To 4" Wall Instead Of 1", Add	*104.26*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	418.58	24.48
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*113.33*	
		For 3" To 4" Wall Instead Of 1", Add	*173.05*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	445.88	32.62
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*117.44*	
		For 3" To 4" Wall Instead Of 1", Add	*180.24*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	566.05	41.99
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*148.83*	
		For 3" To 4" Wall Instead Of 1", Add	*228.49*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	675.73	48.96
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*178.24*	
		For 3" To 4" Wall Instead Of 1", Add	*273.48*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	15.27	4.59
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*2.29*	
		For 3" To 4" Wall Instead Of 1", Add	*4.01*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	19.08	5.88
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*2.79*	
		For 3" To 4" Wall Instead Of 1", Add	*4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	22.60	6.86
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*3.35*	
		For 3" To 4" Wall Instead Of 1", Add	*5.89*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	26.15	7.83
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*3.93*	
		For 3" To 4" Wall Instead Of 1", Add	*6.87*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	33.21	9.79
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*5.07*	
		For 3" To 4" Wall Instead Of 1", Add	*8.82*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	46.73	13.22
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*7.41*	
		For 3" To 4" Wall Instead Of 1", Add	*12.77*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	57.45	16.40
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*9.03*	
		For 3" To 4" Wall Instead Of 1", Add	*15.60*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	76.86	19.59
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*13.27*	
		For 3" To 4" Wall Instead Of 1", Add	*22.35*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	108.65	23.26
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*20.97*	
		For 3" To 4" Wall Instead Of 1", Add	*34.36*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	170.68	25.71
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*38.35*	
		For 3" To 4" Wall Instead Of 1", Add	*60.74*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	30.91	5.75
		For 2" Wall Instead Of 1", Add	*6.40*	
		For 3" To 4" Wall Instead Of 1", Add	*10.31*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.81	6.12
		For 2" Wall Instead Of 1", Add	*7.41*	
		For 3" To 4" Wall Instead Of 1", Add	*11.87*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	39.09	6.55
		For 2" Wall Instead Of 1", Add	*8.46*	
		For 3" To 4" Wall Instead Of 1", Add	*13.51*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	69.46	11.94
		For 2" Wall Instead Of 1", Add	*14.87*	
		For 3" To 4" Wall Instead Of 1", Add	*23.79*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.00	13.95
		For 2" Wall Instead Of 1", Add	*17.32*	
		For 3" To 4" Wall Instead Of 1", Add	*27.73*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	98.61	15.79
		For 2" Wall Instead Of 1", Add	*21.69*	
		For 3" To 4" Wall Instead Of 1", Add	*34.50*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.44	11.94
		For 2" Wall Instead Of 1", Add	*15.46*	
		For 3" To 4" Wall Instead Of 1", Add	*24.68*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.81	13.95
		For 2" Wall Instead Of 1", Add	*18.77*	
		For 3" To 4" Wall Instead Of 1", Add	*29.89*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	101.72	15.79
		For 2" Wall Instead Of 1", Add	*22.62*	
		For 3" To 4" Wall Instead Of 1", Add	*35.90*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	120.86	18.12
		For 2" Wall Instead Of 1", Add	*27.19*	
		For 3" To 4" Wall Instead Of 1", Add	*43.05*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	123.97	18.12
		For 2" Wall Instead Of 1", Add	*28.13*	
		For 3" To 4" Wall Instead Of 1", Add	*44.45*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	142.54	20.81
		For 2" Wall Instead Of 1", Add	*32.36*	
		For 3" To 4" Wall Instead Of 1", Add	*51.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	164.37	23.32
		For 2" Wall Instead Of 1", Add	*37.65*	
		For 3" To 4" Wall Instead Of 1", Add	*59.39*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	48.98	5.88
		For 2" Wall Instead Of 1", Add	*11.74*	
		For 3" To 4" Wall Instead Of 1", Add	*18.35*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	79.85	7.90
		For 2" Wall Instead Of 1", Add	*20.01*	
		For 3" To 4" Wall Instead Of 1", Add	*31.00*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	36.81	5.88
		For 2" Wall Instead Of 1", Add	*8.09*	
		For 3" To 4" Wall Instead Of 1", Add	*12.88*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	68.40	7.90
		For 2" Wall Instead Of 1", Add	*16.57*	
		For 3" To 4" Wall Instead Of 1", Add	*25.85*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	19.08	5.88
		For 2" Wall Instead Of 1", Add	*2.79*	
		For 3" To 4" Wall Instead Of 1", Add	*4.91*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	22.60	6.86
		For 2" Wall Instead Of 1", Add	*3.35*	
		For 3" To 4" Wall Instead Of 1", Add	*5.89*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	26.15	7.83
		For 2" Wall Instead Of 1", Add	*3.93*	
		For 3" To 4" Wall Instead Of 1", Add	*6.87*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	111.07	6.55
		For 316 Stainless Steel, Add	*17.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.94*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	134.46	7.53
		For 316 Stainless Steel, Add	*20.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	149.91	8.14
		For 316 Stainless Steel, Add	*23.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.91*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	169.90	8.87
		For 316 Stainless Steel, Add	*26.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.53*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	193.26	9.30
		For 316 Stainless Steel, Add	*30.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	204.21	9.79
		For 316 Stainless Steel, Add	*32.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*35.94*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	227.78	10.34
		For 316 Stainless Steel, Add	*36.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.40*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	272.05	16.34
		For 316 Stainless Steel, Add	*41.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*46.25*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	344.00	18.36
		For 316 Stainless Steel, Add	*53.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*59.62*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	391.60	19.59
		For 316 Stainless Steel, Add	*61.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	438.80	21.73
		For 316 Stainless Steel, Add	*69.20*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	490.50	23.50
		For 316 Stainless Steel, Add	*77.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.18*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.02	26.75
		For 316 Stainless Steel, Add	*88.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	656.89	30.97
		For 316 Stainless Steel, Add	*104.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.89*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	571.47	13.53
		For 316 Stainless Steel, Add	*107.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*53.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*107.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	631.03	15.06
		For 316 Stainless Steel, Add	*118.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*59.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*118.68*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	720.59	16.34
		For 316 Stainless Steel, Add	*135.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*135.95*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	816.19	17.81
		For 316 Stainless Steel, Add	*154.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*77.17*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*154.34*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	952.06	18.67
		For 316 Stainless Steel, Add	*181.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,051.87	19.59
		For 316 Stainless Steel, Add	*200.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,221.60	20.63
		For 316 Stainless Steel, Add	*234.01*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*234.01*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,390.97	32.62
		For 316 Stainless Steel, Add	*261.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*130.94*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*261.87*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,721.55	36.72
		For 316 Stainless Steel, Add	*325.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*162.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*325.95*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,103.76	39.17
		For 316 Stainless Steel, Add	*401.17*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*401.17*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,807.19	41.93
		For 316 Stainless Steel, Add	*540.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*270.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*540.46*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,186.88	48.96
		For 316 Stainless Steel, Add	*612.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*306.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*612.89*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,730.21	53.43
		For 316 Stainless Steel, Add	*919.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,927.58	58.76
		For 316 Stainless Steel, Add	*1,156.14*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*578.07*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,156.14*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	369.71	13.04
		For 316 Stainless Steel, Add	*67.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*67.42*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	422.09	15.06
		For 316 Stainless Steel, Add	*76.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	469.85	16.34
		For 316 Stainless Steel, Add	*85.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	537.61	17.81
		For 316 Stainless Steel, Add	*98.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	609.39	18.67
		For 316 Stainless Steel, Add	*112.55*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.55*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	686.92	19.59
		For 316 Stainless Steel, Add	*127.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.59*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	773.07	20.63
		For 316 Stainless Steel, Add	*144.31*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*72.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*144.31*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	906.24	32.62
		For 316 Stainless Steel, Add	*164.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*164.92*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,150.44	36.72
		For 316 Stainless Steel, Add	*211.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*105.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*211.73*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,295.86	39.17
		For 316 Stainless Steel, Add	*239.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*119.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*239.59*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,706.77	41.93
		For 316 Stainless Steel, Add	*320.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*160.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*320.38*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,281.47	48.96
		For 316 Stainless Steel, Add	*431.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*215.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*431.81*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,058.68	53.43
		For 316 Stainless Steel, Add	*585.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,116.78	58.76
		For 316 Stainless Steel, Add	*793.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*396.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*793.98*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.65	16.34
		For 316 Stainless Steel, Add	*77.84*	
		For Tee Cap, Add	*85.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	451.24	17.81
		For 316 Stainless Steel, Add	*89.48*	
		For Tee Cap, Add	*96.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*81.35*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	523.02	18.67
		For 316 Stainless Steel, Add	*104.81*	
		For Tee Cap, Add	*111.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.28*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	606.13	19.59
		For 316 Stainless Steel, Add	*122.58*	
		For Tee Cap, Add	*128.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*55.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*111.44*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	711.87	21.79
		For 316 Stainless Steel, Add	*144.64*	
		For Tee Cap, Add	*150.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*131.49*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	799.42	24.48
		For 316 Stainless Steel, Add	*162.42*	
		For Tee Cap, Add	*169.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*147.65*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	933.51	27.97
		For 316 Stainless Steel, Add	*190.00*	
		For Tee Cap, Add	*197.19*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*172.72*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,061.46	34.58
		For 316 Stainless Steel, Add	*214.51*	
		For Tee Cap, Add	*225.25*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.51*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*195.01*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,334.27	48.96
		For 316 Stainless Steel, Add	*266.61*	
		For Tee Cap, Add	*285.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*242.37*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,637.88	53.43
		For 316 Stainless Steel, Add	*330.96*	
		For Tee Cap, Add	*347.60*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*150.44*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*300.87*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,208.43	58.76
		For 316 Stainless Steel, Add	*453.54*	
		For Tee Cap, Add	*463.72*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*206.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*412.31*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,461.65	65.31
		For 316 Stainless Steel, Add	*505.64*	
		For Tee Cap, Add	*516.83*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*229.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,936.11	97.93
		For 316 Stainless Steel, Add	*812.08*	
		For Tee Cap, Add	*823.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*369.13*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*738.26*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,960.15	117.51
		For 316 Stainless Steel, Add	*1,026.60*	
		For Tee Cap, Add	*1,036.10*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*466.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*933.27*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	795.95	13.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*152.67*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	865.05	15.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*165.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	946.25	16.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,047.42	17.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,174.92	18.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*112.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*225.66*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,302.60	19.59
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,458.40	20.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*140.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*281.37*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,669.55	32.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*317.59*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,069.79	36.72
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*197.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*395.59*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,326.64	39.17
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*222.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*445.74*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,667.96	41.99
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*256.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*512.60*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,047.59	48.96
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,894.46	53.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*376.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*752.19*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,743.60	58.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	511.26	15.06
		For 316 Stainless Steel, Add	*59.20*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	551.54	17.81
		For 316 Stainless Steel, Add	*63.38*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	603.33	19.59
		For 316 Stainless Steel, Add	*69.30*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	650.62	21.79
		For 316 Stainless Steel, Add	*74.52*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	840.45	23.07
		For 316 Stainless Steel, Add	*97.85*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	740.95	24.48
		For 316 Stainless Steel, Add	*84.97*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	798.01	26.13
		For 316 Stainless Steel, Add	*91.59*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	877.44	36.72
		For 316 Stainless Steel, Add	*98.20*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	982.36	41.93
		For 316 Stainless Steel, Add	*109.69*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,129.77	45.17
		For 316 Stainless Steel, Add	*127.11*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,264.54	48.90
		For 316 Stainless Steel, Add	*142.78*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,400.45	58.70
		For 316 Stainless Steel, Add	*156.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,820.74	65.25
		For 316 Stainless Steel, Add	*207.20*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,272.89	73.39
		For 316 Stainless Steel, Add	*261.18*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	358.40	8.51
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	377.13	9.30
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	406.14	9.79
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	424.15	10.28
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	469.41	10.59
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	514.68	10.83
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	629.70	11.20
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	768.43	20.99
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	975.82	22.58
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,173.11	23.50
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,454.16	24.48
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,654.75	26.75
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,103.66	27.97
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,706.12	29.38

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	394.57	8.51
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	457.92	9.30
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	534.28	9.79
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	616.37	10.28
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	722.90	10.59
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	823.95	10.89
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	919.45	11.20
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,083.19	20.99
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,296.20	22.58
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,409.88	23.50
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,607.34	24.48
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,877.53	26.69
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,298.63	27.97
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,678.21	29.38

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	587.94	15.67
		For 316 Stainless Steel, Add	*109.76*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	645.60	18.67
		For 316 Stainless Steel, Add	*119.79*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	708.96	20.63
		For 316 Stainless Steel, Add	*131.49*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	754.03	23.01
		For 316 Stainless Steel, Add	*139.29*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	844.04	24.48
		For 316 Stainless Steel, Add	*156.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	895.49	26.13
		For 316 Stainless Steel, Add	*166.04*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	961.49	28.03
		For 316 Stainless Steel, Add	*178.30*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,045.13	39.17
		For 316 Stainless Steel, Add	*189.44*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,171.64	45.23
		For 316 Stainless Steel, Add	*211.73*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,362.13	48.96
		For 316 Stainless Steel, Add	*247.94*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,637.89	53.43
		For 316 Stainless Steel, Add	*300.87*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,890.54	65.31
		For 316 Stainless Steel, Add	*345.45*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,885.90	73.45
		For 316 Stainless Steel, Add	*540.46*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,551.81	83.48
		For 316 Stainless Steel, Add	*668.61*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	94.35	6.55
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.60*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	117.78	6.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.03*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.06*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	135.86	7.53
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.40*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	190.29	8.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	250.72	8.94
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*45.69*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	324.25	9.36
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*60.18*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	206.76	13.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.82*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	229.96	13.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.00*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	260.53	15.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.57*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	330.55	16.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	398.32	17.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	470.06	18.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*84.69*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	163.24	13.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.12*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	181.20	13.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	204.81	15.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	258.12	16.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.46*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	309.86	17.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.07*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	364.23	18.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.52*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	361.34	13.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	463.98	13.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	522.38	15.06
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*48.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*96.95*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	723.32	16.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*68.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*136.51*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,005.62	17.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*96.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*192.23*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,300.25	18.67
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	132.91	13.04
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	143.60	13.95
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	171.36	15.06
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	220.53	16.34
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	268.76	17.81
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	325.20	18.67
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	164.95	13.04
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	185.38	13.95
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	202.00	15.06
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	251.16	16.34
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	316.16	17.81
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	386.47	18.61
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	144.06	13.04
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	186.77	13.95
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	241.01	15.06
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	405.80	16.34
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	565.49	17.81
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	731.95	18.67
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	231.76	13.04
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	259.20	13.95
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	281.39	15.06
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	361.17	16.34
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	431.75	17.81
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	536.94	18.67
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	205.97	24.89
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	228.29	24.89
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	27.76	7.57
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	33.43	7.97
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	39.12	8.85
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	50.27	10.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	34.61	8.68
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	45.68	9.14
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	59.14	10.15
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	74.93	11.95
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	65.56	11.49
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	81.73	12.08
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	106.29	13.42
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	142.39	15.80
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	97.48	16.94
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	115.97	17.83
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	160.64	19.82
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	215.94	23.32

23 51 16 00-0390 Polypropylene Flue/Vent Elbows *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	34.79	9.20
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	43.84	9.68
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	60.71	10.04
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	74.02	10.45
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	34.79	9.20
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	43.84	9.68
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	60.71	10.04
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	74.02	10.45
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	34.79	9.20
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	43.84	9.68
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	60.71	10.04
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	74.02	10.45
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	34.79	9.20
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	43.84	9.68
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	59.60	10.04
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	76.76	10.45

23 51 16 00-0407 Polypropylene Flue/Vent Tees *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	151.16	13.80
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	198.07	14.53
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	238.23	15.06
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	262.98	15.67

23 51 16 00-0412 Polypropylene Flue/Vent Adaptors *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	45.59	9.20
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	75.30	9.68
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	91.17	10.04
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	133.57	10.45

23 51 16 00-0417 Polypropylene Flue/Vent Increases *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	52.66	9.45
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	59.05	9.86
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	127.52	10.24
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	80.38	9.45
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	56.79	9.86
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	186.73	10.24

23 51 16 00-0424 Polypropylene Flue/Vent Reducers *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	52.66	9.45
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	59.05	9.86
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	164.43	10.24

23 51 16 00-0428 Polypropylene Flue/Vent Test Ports *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	61.61	13.80
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	71.82	14.53
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	130.37	15.06
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	140.35	15.67

23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	243.20	15.06
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	321.05	18.82
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	190.69	15.67
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	292.78	19.59
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	337.04	9.86
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	393.51	10.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	99.04	13.80
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	125.81	14.53
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	148.61	15.06
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	173.85	15.67
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	199.26	15.06
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	222.32	15.67
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	66.60	4.60
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	88.52	4.85
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	107.30	5.02
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	143.91	5.22
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	115.25	13.80
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	148.28	14.53
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	176.47	15.06
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	219.65	15.67
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	174.61	9.20
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	149.59	9.68
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	193.09	10.04
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	425.16	9.68
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	454.82	10.04
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	534.55	10.45
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	92.42	9.20
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	99.36	9.20
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	106.30	9.20
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	113.24	9.20
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	100.58	9.68
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	107.52	9.68
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	114.46	9.68
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	121.40	9.68
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	115.33	10.04
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.27	10.04
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.22	10.04
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	99.29	9.20
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	133.20	9.68
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	106.57	13.80
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	150.72	14.53
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	184.23	15.06
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	205.60	15.67
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	29.21	7.97
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	36.90	8.85
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	36.43	9.14
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	49.15	10.15
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	59.89	12.08
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	79.34	17.83
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	101.31	19.82
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	34.78	7.97
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	47.97	9.14
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	86.88	12.08
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	36.99	9.20
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	46.61	9.68
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	64.27	10.04
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	35.95	9.20
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	45.92	9.68
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	63.05	10.04
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	27.51	4.60
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	33.56	4.85
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	38.79	5.02
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	90.44	4.85
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	104.91	5.22
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	14.14	2.31
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	12.80	2.43
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	13.14	2.51
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	24.69	2.61
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	29.32	3.45
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	35.68	3.63
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	42.73	3.76
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	27.39	3.45
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	26.39	3.76
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	34.11	3.92
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	17.97	3.63
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	30.00	9.20
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	34.42	9.68
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	38.21	10.04
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	44.92	10.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.46	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.98	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.75	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	11.15	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	10.53	2.31
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	12.46	2.43
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	13.71	2.51
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	15.64	2.61
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	73.56	4.60
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	75.04	4.85
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	51.53	5.02
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	65.58	3.45
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	67.42	3.63
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	93.83	3.76
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	166.32	3.92
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	11.28	0.81
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	9.43	0.81
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.98	0.96
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	11.66	0.96
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	20.77	1.17
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	17.20	1.17
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	69.00	9.20
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	80.59	9.20
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	191.17	9.68
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	372.17	10.04
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	84.00	9.20
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	233.51	9.68
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	649.84	10.04
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	99.39	9.20
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	88.28	9.68
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	114.96	10.04
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	95.70	9.12
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	102.24	8.94
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	111.80	9.36
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	166.11	9.79
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	186.05	10.89
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	591.74	11.51
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	605.06	12.24

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001		**Packaged Electric Steam Boiler** *(23 52 13)*		
		Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,370.21	417.21
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,025.38	486.75
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	9,765.63	521.52
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	10,940.66	556.28
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,085.23	591.05
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,174.12	660.59
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,263.06	730.12
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	16,850.36	764.89
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	17,583.96	799.66
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,402.67	869.20
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,423.95	903.97
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	25,537.69	968.44
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	26,606.80	1,040.18
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	28,764.49	1,111.92
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	31,010.09	1,219.52
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	32,907.18	1,255.40
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	34,580.38	1,291.26
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	36,371.39	1,327.13
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	38,162.75	1,362.99
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	40,847.94	1,434.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	43,583.34	1,506.47
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	46,282.86	1,542.34
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	51,721.01	1,578.21
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	55,712.92	1,649.95
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	57,055.51	1,721.68
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	63,156.85	1,829.28
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	65,067.78	1,936.89
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	67,050.43	2,044.49
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	71,563.66	2,152.10
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	73,538.90	2,223.84
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	76,148.64	2,367.31
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	78,762.09	2,510.78
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	86,451.53	2,654.26
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	91,251.71	2,797.73

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,303.79	382.45
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,741.61	417.21
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,179.43	451.98
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,578.04	486.75
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,019.72	521.52
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,380.93	556.28
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	9,818.75	591.05
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,475.47	625.82
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	10,963.10	660.59
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,313.35	695.35
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,121.80	730.12
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	12,854.53	764.89
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	14,155.74	799.66
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	14,935.88	834.43
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	15,642.38	869.20
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	17,121.95	903.97
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	18,702.73	968.44
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	20,219.27	1,040.18
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	21,818.49	1,111.92
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	23,406.77	1,219.52
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	25,006.00	1,291.26
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	26,406.35	1,362.99
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	28,165.39	1,398.87
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	30,066.21	1,434.73
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	31,879.47	1,506.47
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	33,815.18	1,506.47
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	37,178.05	1,542.34
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	38,995.98	1,578.21
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	41,092.90	1,649.95
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	42,861.20	1,685.81
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	44,633.14	1,721.68
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	45,882.64	1,829.28
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	48,234.94	1,936.89
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	56,666.90	2,044.49
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	62,340.53	2,152.10
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	64,969.61	2,223.84
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	67,813.58	2,367.31
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	70,657.57	2,510.78
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	78,753.54	2,654.26
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	83,856.50	2,797.73
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	86,043.75	2,869.47
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	88,231.01	2,941.21
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	88,517.95	3,048.80
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	95,225.02	3,120.55
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	99,671.26	3,228.15
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	106,955.93	3,443.36
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	114,776.77	3,802.05
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	123,537.59	4,232.46
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	130,822.26	4,662.88

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,643.62	278.14
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,214.76	370.48
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,049.28	417.15
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	14,896.77	440.37
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,805.15	509.91
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	22,992.08	556.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	31,265.38	648.90
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	43,783.79	741.67
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	53,735.44	811.20
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	78,023.61	950.20
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	86,037.11	1,019.74
23 52 16 13-0013		**Buderus SB615 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	40,419.03	602.59
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	42,300.95	648.90
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	47,231.59	741.67
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	50,995.40	834.36
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	56,626.17	903.89
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	64,953.24	950.20
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	78,217.82	1,019.74
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Rated by gross rated output.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	80,122.56	1,112.43
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	93,059.09	1,158.81
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	108,087.18	1,205.18
23 52 16 13-0025		**AERCO Benchmark Stainless-Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0026	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	50,793.77	950.20
23 52 16 13-0027	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	60,510.20	1,019.74
23 52 16 13-0028	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	87,721.63	1,135.66
23 52 16 13-0029	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	93,626.73	1,135.66
23 52 16 13-0030		**Laars Neotherm Stainless Steel Condensing Boiler** *(23 52 16 13)* Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0031	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,753.20	301.30
23 52 16 13-0032	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	9,982.95	347.68
23 52 16 13-0033	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,118.05	417.15
23 52 16 13-0034	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,384.66	463.53
23 52 16 13-0035	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,759.08	509.91
23 52 16 13-0036	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,856.15	556.21
23 52 16 13-0037	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	25,216.43	602.59
23 52 16 13-0038	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	28,041.73	648.90
23 52 16 13-0039	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	30,483.26	695.29
23 52 16 13-0040	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	33,063.88	787.98
23 52 16 13-0041	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	47,750.72	834.36
23 52 16 13-0042	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	63,811.11	973.43
23 52 16 13-0043		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,135.27	417.15
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,880.30	463.53
23 52 16 13-0046		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	18,019.24	533.05
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,717.49	556.21
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	28,067.00	602.59
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	33,883.39	625.75
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	41,651.32	672.13
23 52 16 13-0052		**Lochinvar Crest Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	52,941.02	787.83
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	54,429.04	903.89
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	59,737.59	961.68
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	65,046.17	1,019.74
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	76,626.09	1,066.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	85,058.86	1,112.43
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	105,006.91	1,158.81
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	116,202.78	1,205.12
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	143,112.51	1,251.43
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	48,165.57	950.20
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	74,749.28	1,135.66
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,725.68	672.13
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,671.32	834.36
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	51,173.96	1,019.74
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	89,060.36	1,205.18
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,446.86	880.66
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	60,921.27	1,019.74
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	91,134.25	1,205.18
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,049.18	301.30
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,838.79	347.68
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,914.80	417.15
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,138.12	463.53
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	14,599.48	533.05
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)* Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	20,337.06	509.91
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	22,918.16	579.44
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	25,810.31	695.29
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	38,787.36	787.98
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	40,493.02	834.36
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	63,603.93	950.20
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	68,895.73	1,019.74
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,155.50	1,112.43
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	94,538.05	1,135.66
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	107,754.52	1,205.18
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	5,692.00	278.14
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,608.37	324.45
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,591.73	393.99
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,297.63	440.37
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	267.65	69.54
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	374.55	69.54
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	888.88	69.54
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	9,362.93	509.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	11,683.38	533.05
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,118.06	625.75
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,547.72	625.75
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,758.93	672.13
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,188.59	672.13
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,264.17	787.98
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,155.96	834.36
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,215.25	880.66
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,844.18	880.66
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	49,288.42	903.89
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	49,917.34	903.89
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	758.99	69.54
23 52 16 16-0040		Buderus GB312 Aluminum Condensing Boilers *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	13,709.21	509.91
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	16,037.71	556.21
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	20,203.84	614.14
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	23,270.00	672.13
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	27,920.42	741.67
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	30,840.58	811.20
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	476.20	34.77
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	239.95	34.77
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	359.24	34.77
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	802.31	34.77
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)* Note: Rated by gross rated output.		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	46,401.86	880.66
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	52,359.79	973.43
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	57,390.60	1,019.74
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	62,003.79	1,066.12
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*		
		Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	16,063.71	440.37
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,695.95	556.21
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	39,504.71	648.90
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	51,890.38	834.36
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	69,459.80	973.43
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	75,854.57	1,019.74
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	96,923.82	1,112.43
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	106,106.62	1,135.66
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*		
		Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)	14,982.43	2,280.76
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)	16,625.44	2,432.81
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)	18,443.55	2,584.86
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)	20,119.49	2,736.91
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)	21,651.30	2,888.97
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)	23,825.84	3,041.01
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)	25,458.83	3,193.06
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)	26,711.43	3,345.12
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)	27,958.86	3,497.16
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)	29,431.91	3,649.22
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)	13,164.31	286.94
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)	14,745.25	286.94
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)	16,791.35	358.68
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)	18,403.36	358.68
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)	20,163.35	430.42
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)	22,295.26	430.42
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)	24,153.35	502.15
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)	25,632.13	573.90
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)	26,820.70	573.90
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)	28,516.94	645.63
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)	15,906.15	2,280.76
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler	17,714.29	2,432.81
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler	19,432.67	2,584.86
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler	21,376.73	2,736.91
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler	22,942.87	2,888.97
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler	25,326.68	3,041.01
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler	26,747.13	3,193.06
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler	28,122.35	3,345.12
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler	29,371.42	3,497.16
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,888.61	3,649.22
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	14,088.02	286.94
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	15,834.10	286.94
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	17,780.46	358.68
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	19,660.60	358.68
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	21,454.92	430.42
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	23,796.10	430.42
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	25,441.65	502.15
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	27,043.05	573.90
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	28,233.26	573.90
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	29,973.63	645.63
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	25,839.81	3,421.14
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	28,921.21	3,630.21
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	32,803.78	3,839.28
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	36,190.63	4,048.35
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	39,097.43	4,257.42
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	43,439.53	4,466.49
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	46,376.80	4,675.56
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	48,941.78	4,884.62
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	52,462.91	5,093.70
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	55,238.62	5,302.76
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	59,131.14	5,511.84
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	61,758.16	5,720.90
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	64,562.59	5,929.98
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	67,719.54	6,139.04
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	70,234.89	6,348.11
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	24,176.24	502.15
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	27,406.00	573.90
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	31,456.49	645.63
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	34,975.64	717.37
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	37,741.89	717.37
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	42,237.06	789.11
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	45,037.64	789.11
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	47,750.78	860.84
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	51,136.66	860.84
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	54,060.73	932.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	56,885.02	1,004.31
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	59,376.61	1,004.31
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	62,330.07	1,076.05
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	65,349.73	1,076.05
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	68,048.13	1,147.79
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	26,977.70	3,421.14
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	30,052.56	3,630.21
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	34,229.41	3,839.28
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	37,760.13	4,048.35
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	40,506.71	4,257.42
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	44,760.53	4,466.49
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	48,359.93	4,675.56
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	50,924.92	4,884.62
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	54,406.81	5,093.70
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	58,017.95	5,302.76
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	62,051.07	5,511.84
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	65,660.66	5,720.90
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	67,480.89	5,929.98
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	70,549.55	6,139.04
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	73,095.97	6,348.11
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	25,314.13	502.15
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	28,537.35	573.90
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	32,865.77	645.63
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	36,545.14	717.37
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	39,154.44	717.37
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	43,558.06	789.11
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	47,020.78	789.11
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	49,733.92	860.84
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	53,080.56	860.84
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	56,848.23	932.58
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	59,804.95	1,004.31
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	61,644.22	1,004.31
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	65,248.37	1,076.05
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	68,179.74	1,076.05
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	70,876.51	1,147.79
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	77,278.54	6,652.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,188.52	7,032.34
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,450.92	7,412.47
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,572.50	7,792.60
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	102,754.11	8,172.72
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	109,937.60	8,552.85
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	115,730.99	8,932.97
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	121,318.76	9,313.10
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	130,758.74	9,693.23
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	136,343.10	10,073.36
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	141,057.32	10,453.48
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	150,149.19	10,833.61
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	155,785.06	11,213.73
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	165,096.11	11,593.86
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	171,058.24	11,973.99
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	177,632.10	12,354.12
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	183,202.34	12,734.24
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	188,948.70	13,114.37
23 52 23 00-0131		**Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	76,180.92	932.58
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	83,133.34	1,004.31
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	89,435.08	1,076.05
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	95,599.46	1,147.79
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	101,534.15	1,147.79
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	107,544.95	1,219.52
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	113,092.16	1,219.52
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	118,721.92	1,291.26
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	127,914.97	1,291.26
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	133,543.10	1,362.99
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	138,009.64	1,362.99
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	147,144.71	1,434.73
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	152,533.34	1,434.73
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	161,916.91	1,506.47
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	167,601.46	1,506.47
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	174,215.48	1,578.21
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	179,540.34	1,578.21
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	185,327.05	1,649.95
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	72,399.99	6,652.21
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	79,309.98	7,032.34
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	87,831.81	7,412.47
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	93,363.19	7,792.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	99,142.62	8,172.72
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	105,876.50	8,552.85
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	111,973.99	8,932.97
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	117,565.03	9,313.10
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	128,172.33	9,693.23
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	133,758.32	10,073.36
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	139,343.94	10,453.48
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	150,160.64	10,833.61
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	155,796.50	11,213.73
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	165,370.77	11,593.86
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	171,331.27	11,973.99
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	177,764.53	12,354.12
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	183,334.76	12,734.24
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	189,090.94	13,114.37
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	71,037.53	932.58
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	77,989.95	1,004.31
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	86,551.11	1,076.05
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	92,125.30	1,147.79
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	97,657.80	1,147.79
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	103,219.00	1,219.52
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	109,070.31	1,219.52
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	114,700.07	1,291.26
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	125,063.70	1,291.26
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	130,690.19	1,362.99
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	136,031.41	1,362.99
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	146,891.30	1,434.73
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	152,279.93	1,434.73
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	161,894.03	1,506.47
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	167,609.64	1,506.47
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	174,083.05	1,578.21
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	179,407.92	1,578.21
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	185,204.43	1,649.95
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	78,812.07	6,652.21
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	85,723.69	7,032.34
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,404.62	7,412.47
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	98,691.33	7,792.60
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	104,835.34	8,172.72
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	110,706.00	8,552.85
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	118,283.07	8,932.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	124,273.03	9,313.10
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	133,969.68	9,693.23
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	139,554.04	10,073.36
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	144,382.71	10,453.48
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	153,585.75	10,833.61
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	160,856.52	11,213.73
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	171,043.87	11,593.86
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	176,956.96	11,973.99
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	183,834.91	12,354.12
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	189,406.78	12,734.24
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	195,158.05	13,114.37

23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*

23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	77,833.81	932.58
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	84,787.86	1,004.31
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	91,513.04	1,076.05
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	97,839.28	1,147.79
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	103,736.36	1,147.79
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	108,432.70	1,219.52
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	115,763.59	1,219.52
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	121,793.90	1,291.26
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	131,246.89	1,291.26
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	136,871.75	1,362.99
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	141,454.38	1,362.99
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	150,700.62	1,434.73
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	157,725.78	1,434.73
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	167,952.97	1,506.47
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	173,621.16	1,506.47
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	180,537.63	1,578.21
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	185,864.14	1,578.21
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	191,657.38	1,649.95

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Package Oil Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,690.38	573.90
		For Steam System, Add	*3,108.52*	
23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,116.44	645.63
		For Steam System, Add	*3,165.04*	
23 52 33 16-0004	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,542.50	717.37
		For Steam System, Add	*3,221.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0005	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,416.20	789.11
		For Steam System, Add	*3,367.60*	
23 52 33 16-0006	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,298.93	860.84
		For Steam System, Add	*3,515.45*	
23 52 33 16-0007	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,911.89	932.58
		For Steam System, Add	*3,809.35*	
23 52 33 16-0008	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,972.70	968.44
		For Steam System, Add	*4,007.16*	
23 52 33 16-0009	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,033.51	1,004.31
		For Steam System, Add	*4,204.98*	
23 52 33 16-0010	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,985.57	1,076.05
		For Steam System, Add	*4,566.69*	
23 52 33 16-0011	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	26,937.64	1,147.79
		For Steam System, Add	*4,928.41*	
23 52 33 16-0012	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	29,259.25	1,291.26
		For Steam System, Add	*5,335.35*	
23 52 33 16-0013	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	31,354.79	1,434.73
		For Steam System, Add	*5,697.06*	
23 52 33 16-0014	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	34,663.30	1,506.47
		For Steam System, Add	*6,330.07*	
23 52 33 16-0015	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	36,615.36	1,578.21
		For Steam System, Add	*6,691.79*	
23 52 33 16-0016	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	39,471.73	1,649.95
		For Steam System, Add	*7,234.37*	
23 52 33 16-0017	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	44,136.68	1,721.68
		For Steam System, Add	*8,138.66*	
23 52 33 16-0018	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	47,362.59	1,865.16
		For Steam System, Add	*8,726.46*	
23 52 33 16-0019	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	50,588.50	2,008.63
		For Steam System, Add	*9,314.25*	
23 52 33 16-0020	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	54,040.48	2,152.10
		For Steam System, Add	*9,947.26*	
23 52 33 16-0021	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	59,888.84	2,295.57
		For Steam System, Add	*11,059.54*	
23 52 33 16-0022	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	62,300.90	2,439.04
		For Steam System, Add	*11,484.56*	

23 52 33 16-0023 Package Gas Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0024	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,311.29	573.90
		For Steam System, Add	*3,032.70*	
		For LP Gas Burner, Add	*758.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0025	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,730.46	645.63
		For Steam System, Add	*3,087.84*	
		For LP Gas Burner, Add	*771.96*	
23 52 33 16-0026	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,149.63	717.37
		For Steam System, Add	*3,142.98*	
		For LP Gas Burner, Add	*785.75*	
23 52 33 16-0027	EA	430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,009.93	789.11
		For Steam System, Add	*3,286.34*	
		For LP Gas Burner, Add	*821.59*	
23 52 33 16-0028	EA	520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,870.22	860.84
		For Steam System, Add	*3,429.71*	
		For LP Gas Burner, Add	*857.43*	
23 52 33 16-0029	EA	600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,447.34	932.58
		For Steam System, Add	*3,716.44*	
		For LP Gas Burner, Add	*929.11*	
23 52 33 16-0030	EA	680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,484.02	968.44
		For Steam System, Add	*3,909.43*	
		For LP Gas Burner, Add	*977.36*	
23 52 33 16-0031	EA	770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,520.71	1,004.31
		For Steam System, Add	*4,102.42*	
		For LP Gas Burner, Add	*1,025.60*	
23 52 33 16-0032	EA	860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,428.66	1,076.05
		For Steam System, Add	*4,455.31*	
		For LP Gas Burner, Add	*1,113.83*	
23 52 33 16-0033	EA	1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	26,336.61	1,147.79
		For Steam System, Add	*4,808.21*	
		For LP Gas Burner, Add	*1,202.05*	
23 52 33 16-0034	EA	1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,608.60	1,291.26
		For Steam System, Add	*5,205.22*	
		For LP Gas Burner, Add	*1,301.30*	
23 52 33 16-0035	EA	1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,660.03	1,434.73
		For Steam System, Add	*5,558.11*	
		For LP Gas Burner, Add	*1,389.53*	
23 52 33 16-0036	EA	1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	33,891.34	1,506.47
		For Steam System, Add	*6,175.68*	
		For LP Gas Burner, Add	*1,543.92*	
23 52 33 16-0037	EA	2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	35,799.29	1,578.21
		For Steam System, Add	*6,528.58*	
		For LP Gas Burner, Add	*1,632.14*	
23 52 33 16-0038	EA	2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	38,589.49	1,649.95
		For Steam System, Add	*7,057.92*	
		For LP Gas Burner, Add	*1,764.48*	
23 52 33 16-0039	EA	2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	43,144.16	1,721.68
		For Steam System, Add	*7,940.16*	
		For LP Gas Burner, Add	*1,985.04*	
23 52 33 16-0040	EA	2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	46,298.39	1,865.16
		For Steam System, Add	*8,513.62*	
		For LP Gas Burner, Add	*2,128.40*	
23 52 33 16-0041	EA	3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	49,452.62	2,008.63
		For Steam System, Add	*9,087.07*	
		For LP Gas Burner, Add	*2,271.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0042	EA	3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	52,827.40	2,152.10
		For Steam System, Add	*9,704.64*	
		For LP Gas Burner, Add	*2,426.16*	
23 52 33 16-0043	EA	4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	57,216.76	2,295.57
		For Steam System, Add	*10,525.12*	
		For LP Gas Burner, Add	*2,631.28*	
23 52 33 16-0044	EA	5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	59,576.98	2,439.04
		For Steam System, Add	*10,939.78*	
		For LP Gas Burner, Add	*2,734.94*	

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,702.30	1,721.68
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,766.89	1,865.16
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,174.86	2,008.63
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,360.46	2,152.10
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,111.84	2,295.57
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	117,777.45	2,439.04
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	131,217.35	2,582.52
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	152,035.86	2,869.47
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,215.00	3,156.41
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	190,001.28	3,479.23
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	206,787.66	3,802.05
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	216,664.53	4,447.67
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	264,575.01	5,093.31
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	313,687.47	5,738.94
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	363,201.00	6,456.30
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	411,840.68	6,994.33

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,752.64	789.11
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,276.18	860.84
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,022.92	932.58
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,510.78	1,076.05
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,679.20	1,147.79
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,961.00	1,219.52
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,958.92	1,255.40
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,629.13	1,291.26
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,515.75	1,434.73
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	135,968.67	1,578.21
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,115.93	1,739.61
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,261.72	1,901.02
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	170,441.17	2,223.84
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,794.19	2,546.65
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,580.19	2,869.47
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,042.69	3,192.29
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,085.97	3,515.09
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	378,813.54	3,837.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,174.72	4,160.73
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,333.52	4,483.54
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	759,541.73	4,806.36
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	826,690.42	5,129.17
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,243.32	789.11
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,352.19	860.84
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,583.79	932.58
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,430.31	1,076.05
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,045.82	1,147.79
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,657.95	1,219.52
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,133.22	1,255.40
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,180.54	1,291.26
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,632.52	1,434.73
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,095.74	1,578.21
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,256.73	1,739.61
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,416.25	1,901.02
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	170,602.58	2,223.84
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,993.37	2,546.65
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,793.11	2,869.47
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,296.82	3,192.29
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,395.04	3,515.09
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,177.56	3,837.91
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,590.25	4,160.73
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,800.57	4,483.54
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	760,280.02	4,806.36
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	827,498.09	5,129.17
23 52 39 13-0048		15 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,163.96	789.11
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,869.00	860.84
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,835.53	932.58
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,006.80	1,076.05
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,893.61	1,147.79
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,777.04	1,219.52
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,520.18	1,255.40
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,263.81	1,291.26
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,378.58	1,434.73
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,504.60	1,578.21
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,187.59	1,739.61
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,865.68	1,901.02
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,340.48	2,223.84
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,235.45	2,546.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,680.82	2,869.47
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,819.21	3,192.29
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	336,283.60	3,515.09
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	394,336.12	3,837.91
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	449,922.66	4,160.73
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	503,210.67	4,483.54
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	791,159.58	4,806.36
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	861,122.71	5,129.17

23 52 39 13-0071 125 PSI Water Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*

23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,363.72	860.84
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,022.01	932.58
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,995.59	1,076.05
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,818.00	1,147.79
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,812.17	1,219.52
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,237.42	1,255.40
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,111.09	1,291.26
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,873.24	1,434.73
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	158,974.38	1,578.21
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	168,917.53	1,739.61
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,576.76	1,901.02
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	211,576.02	2,223.84
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	246,477.02	2,546.65
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	265,254.85	2,869.47
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	296,002.00	3,192.29
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,818.17	3,515.09
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,012.34	3,837.91
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,565.38	4,160.73
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	538,651.61	4,483.54
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	847,537.58	4,806.36
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	922,515.17	5,129.17

23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*

23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,797.53	860.84
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,631.61	932.58
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,345.04	1,076.05
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,398.18	1,147.79
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,444.51	1,219.52
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,350.55	1,255.40
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,917.28	1,291.26
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,014.04	1,434.73
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,125.48	1,578.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,078.93	1,739.61
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,745.03	1,901.02
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	211,778.64	2,223.84
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	246,713.97	2,546.65
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	265,508.99	2,869.47
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	296,287.04	3,192.29
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,165.02	3,515.09
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,421.01	3,837.91
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	482,032.43	4,160.73
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	539,173.61	4,483.54
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	848,365.06	4,806.36
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	923,416.97	5,129.17
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,234.71	860.84
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,250.16	932.58
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,133.80	1,076.05
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,732.98	1,147.79
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,328.79	1,219.52
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,784.30	1,255.40
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,240.29	1,291.26
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,859.05	1,434.73
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	165,492.49	1,578.21
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,834.00	1,739.61
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,709.59	1,901.02
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,233.64	2,223.84
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	256,570.13	2,546.65
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,093.19	2,869.47
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	308,100.69	3,192.29
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	374,588.66	3,515.09
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	439,382.52	3,837.91
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	501,425.36	4,160.73
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	560,891.49	4,483.54
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	882,916.28	4,806.36
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	961,035.33	5,129.17
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,725.55	860.84
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,409.17	932.58
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,772.76	1,076.05
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,105.37	1,147.79
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,585.70	1,219.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,442.17	1,255.40
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	135,771.10	1,291.26
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,651.70	1,434.73
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,864.42	1,578.21
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,761.82	1,739.61
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,657.76	1,901.02
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	218,904.60	2,223.84
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,078.78	2,546.65
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	288,497.61	2,869.47
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	340,729.02	3,192.29
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,799.06	3,515.09
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	487,845.95	3,837.91
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	556,836.18	4,160.73
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	622,954.35	4,483.54
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	981,639.70	4,806.36
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,068,529.11	5,129.17
23 52 39 13-0161		150 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,022.64	860.84
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,040.03	932.58
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,765.05	1,076.05
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,383.34	1,147.79
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,994.83	1,219.52
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,466.02	1,255.40
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,584.16	1,291.26
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,799.37	1,434.73
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,032.70	1,578.21
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,947.27	1,739.61
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,860.38	1,901.02
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,114.09	2,223.84
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,336.35	2,546.65
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	288,775.78	2,869.47
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	341,058.71	3,192.29
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	416,200.87	3,515.09
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	488,319.87	3,837.91
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	557,375.35	4,160.73
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	623,558.77	4,483.54
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	982,600.96	4,806.36
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,069,579.57	5,129.17
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,094.50	860.84
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,066.60	932.58
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,316.21	1,076.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,284.79	1,147.79
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,246.56	1,219.52
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,071.48	1,255.40
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,893.44	1,291.26
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,970.63	1,434.73
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,062.50	1,578.21
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,653.62	1,739.61
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,246.69	1,901.02
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,874.73	2,223.84
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,051.05	2,546.65
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	300,328.43	2,869.47
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	354,737.13	3,192.29
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,959.76	3,515.09
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	508,025.31	3,837.91
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	579,907.13	4,160.73
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	648,793.28	4,483.54
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,022,741.42	4,806.36
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,113,287.62	5,129.17

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	6,176.74	868.09
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	6,566.29	1,022.70
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,101.69	1,058.53
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,321.80	1,097.37
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,734.36	1,172.79
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	13,097.49	1,270.84
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,867.80	1,357.57
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	17,058.50	1,546.12
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,821.07	1,659.25
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,297.13	1,772.38

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,129.83	740.11
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,399.85	868.09
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,385.57	1,022.70
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,282.20	1,058.53
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,457.02	1,097.37
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	14,003.22	1,172.79
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	18,533.92	1,270.84
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	18,940.58	1,357.57
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,893.91	1,453.80
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,508.25	1,546.12
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,077.52	1,659.25
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	25,982.28	1,772.38

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	11,289.41	1,022.70
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	14,917.04	1,171.65
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	19,939.63	1,340.98
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	24,067.52	1,546.87
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	25,522.24	1,659.25
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	26,890.57	1,772.38
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	29,867.86	2,036.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	38,991.92	2,338.18
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	51,039.21	2,701.72
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	64,960.67	3,101.29
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	83,822.07	3,568.14
23 53 16 00-0038		Duplex Vacuum Condensate Pumps *(23 53 16)*		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,189.48	603.36
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	34,926.96	641.07
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,784.82	678.78
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,470.19	716.49
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,130.53	754.20
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,613.45	791.92

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,150.16	61.21
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,540.78	76.51
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,028.38	91.81
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,150.16	61.21
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,397.01	68.86
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,520.57	76.51
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,571.37	84.16
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,028.38	91.81
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	155.59	11.11
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	182.26	12.22
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	196.81	13.34
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	302.31	14.45
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	326.96	15.56

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,016.86	53.56
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,128.28	61.21
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,464.04	68.86
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,862.72	84.16
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,044.89	91.81
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,275.52	53.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,479.92	61.21
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,611.10	68.86
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	2,945.53	76.51
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,066.84	84.16
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,218.69	91.81
23 54 16 13-0015		**Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,972.30	53.56
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,265.62	61.21
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,407.67	76.51
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,559.51	84.16
23 54 16 13-0020		**Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,671.61	53.56
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,791.13	61.21
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,104.67	68.86
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,347.74	84.16
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,580.43	91.81
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,770.29	53.56
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,843.33	61.21
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,053.80	68.86
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,074.01	68.86
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,256.18	76.51
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,361.55	84.16
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,491.17	91.81
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,149.88	53.56
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,245.15	61.21
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,429.34	68.86
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,431.36	68.86
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,567.05	76.51
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,581.47	84.16
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,765.66	91.81
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,170.09	53.56
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,251.21	61.21
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,520.28	68.86
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,670.12	76.51
23 54 16 13-0047		**75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,206.44	45.90
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,525.16	57.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,974.04	45.90
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,106.55	49.76
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,067.28	53.56
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,119.06	57.41
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,204.09	57.41
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)*		
		Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,842.71	119.35
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,134.40	146.89
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,455.60	211.16
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,896.25	238.70
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,547.68	275.43
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,933.57	330.50
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,481.91	440.67
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
		Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,216.94	119.35
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,503.04	146.89
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,962.02	211.16
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,493.90	238.70
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,579.14	275.43
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,052.54	330.50
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,539.44	440.67
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)*		
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,623.74	61.21
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,760.00	84.16
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,328.46	99.46
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,135.89	84.16
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,100.10	99.46
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,521.54	84.16
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,182.96	99.46
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	156.59	15.30
23 54 19 00-0002	EA	1" Furnace External Filter Rack	51.32	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	283.35	
23 55		**Fuel-Fired Heaters** *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)*		
		Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*		
		Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	986.63	75.42
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,066.71	82.96
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,154.95	82.96
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,459.47	99.55
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,474.34	99.55

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*		
		Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,046.04	67.33
		For Stainless Steel Housing, Add	*210.51*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,136.72	67.33
		For Stainless Steel Housing, Add	*233.18*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,240.35	67.33
		For Stainless Steel Housing, Add	*259.08*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,364.94	67.33
		For Stainless Steel Housing, Add	*290.23*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,504.77	73.45
		For Stainless Steel Housing, Add	*323.40*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,613.64	79.57
		For Stainless Steel Housing, Add	*348.28*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,732.74	85.69
		For Stainless Steel Housing, Add	*621.92*	
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)*		
		Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	97.95	3.77
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	112.60	4.53
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	138.86	5.28
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	79.11	3.02
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	101.67	3.77
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	124.22	4.53
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 13		**Oil-Fired Unit Heaters** *(23 55 33)*		
23 55 33 13-0001		Oil Fired Unit Heater *(23 55 33 13)*		
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,924.95	347.68
		For 3 Phase, 460 Volt, Add	*674.62*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,353.04	382.45
		For 3 Phase, 460 Volt, Add	*720.88*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,821.96	417.21
		For 3 Phase, 460 Volt, Add	*772.37*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		Gas Fired Unit Heaters *(23 55 33 16)*		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)*		
		Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,733.58	130.38
		For 90 Percent Efficiency, Add	*828.40*	
		For Stainless Steel Heat Exchanger, Add	*216.37*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*95.20*	
		For 90 Degree, Downward Air Deflection Hood, Add	*142.19*	
		For 3 Phase, 460 Volt, Add	*319.00*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,955.67	156.45
		For 90 Percent Efficiency, Add	*885.33*	
		For Stainless Steel Heat Exchanger, Add	*231.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.43*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.75*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.96*	
		For 3 Phase, 460 Volt, Add	*340.92*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,007.47	156.45
		For Blower Unit Model, Add	*255.99*	
		For 90 Percent Efficiency, Add	*902.69*	
		For Stainless Steel Heat Exchanger, Add	*235.78*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.74*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.94*	
		For 3 Phase, 460 Volt, Add	*347.60*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,254.48	182.53
		For Blower Unit Model, Add	*274.50*	
		For 90 Percent Efficiency, Add	*967.96*	
		For Stainless Steel Heat Exchanger, Add	*252.83*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*111.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*166.14*	
		For 3 Phase, 460 Volt, Add	*372.74*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,559.49	208.60
		For Blower Unit Model, Add	*298.52*	
		For 90 Percent Efficiency, Add	*1,052.67*	
		For Stainless Steel Heat Exchanger, Add	*274.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.42*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.98*	
		For 90 Degree, Downward Air Deflection Hood, Add	*180.68*	
		For 3 Phase, 460 Volt, Add	*405.36*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,825.99	221.64
		For Blower Unit Model, Add	*321.36*	
		For 90 Percent Efficiency, Add	*1,133.22*	
		For Stainless Steel Heat Exchanger, Add	*295.99*	
		For 30 Degree, Downward Air Deflection Hood, Add	*81.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*130.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*194.51*	
		For 3 Phase, 460 Volt, Add	*436.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,956.59	221.64
		For Blower Unit Model, Add	*333.77*	
		For 90 Percent Efficiency, Add	*1,176.97*	
		For Stainless Steel Heat Exchanger, Add	*307.42*	
		For 30 Degree, Downward Air Deflection Hood, Add	*84.32*	
		For 60 Degree, Downward Air Deflection Hood, Add	*135.26*	
		For 90 Degree, Downward Air Deflection Hood, Add	*202.02*	
		For 3 Phase, 460 Volt, Add	*453.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,075.85	221.64
		For Blower Unit Model, Add	*345.10*	
		For 90 Percent Efficiency, Add	*1,216.92*	
		For Stainless Steel Heat Exchanger, Add	*317.85*	
		For 30 Degree, Downward Air Deflection Hood, Add	*87.18*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.86*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.88*	
		For 3 Phase, 460 Volt, Add	*468.61*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,648.02	234.69
		For Blower Unit Model, Add	*396.98*	
		For 90 Percent Efficiency, Add	*1,399.86*	
		For Stainless Steel Heat Exchanger, Add	*365.64*	
		For 30 Degree, Downward Air Deflection Hood, Add	*100.29*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.88*	
		For 90 Degree, Downward Air Deflection Hood, Add	*240.27*	
		For 3 Phase, 460 Volt, Add	*539.05*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,157.92	234.69
		For Blower Unit Model, Add	*445.42*	
		For 90 Percent Efficiency, Add	*1,570.68*	
		For Stainless Steel Heat Exchanger, Add	*410.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.53*	
		For 60 Degree, Downward Air Deflection Hood, Add	*180.51*	
		For 90 Degree, Downward Air Deflection Hood, Add	*269.59*	
		For 3 Phase, 460 Volt, Add	*604.83*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,580.76	234.69
		For Blower Unit Model, Add	*485.59*	
		For 90 Percent Efficiency, Add	*1,712.33*	
		For Stainless Steel Heat Exchanger, Add	*447.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*293.91*	
		For 3 Phase, 460 Volt, Add	*659.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,723.27	260.76
		For Blower Unit Model, Add	*589.16*	
		For 90 Percent Efficiency, Add	*2,077.57*	
		For Stainless Steel Heat Exchanger, Add	*542.65*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*238.77*	
		For 90 Degree, Downward Air Deflection Hood, Add	*356.60*	
		For 3 Phase, 460 Volt, Add	*800.02*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,680.89	260.76
		For Blower Unit Model, Add	*680.14*	
		For 90 Percent Efficiency, Add	*2,398.37*	
		For Stainless Steel Heat Exchanger, Add	*626.44*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.82*	
		For 60 Degree, Downward Air Deflection Hood, Add	*275.63*	
		For 90 Degree, Downward Air Deflection Hood, Add	*411.66*	
		For 3 Phase, 460 Volt, Add	*923.55*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,222.16	286.83
		For Blower Unit Model, Add	*726.61*	
		For 90 Percent Efficiency, Add	*2,562.24*	
		For Stainless Steel Heat Exchanger, Add	*669.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*183.56*	
		For 60 Degree, Downward Air Deflection Hood, Add	*294.47*	
		For 90 Degree, Downward Air Deflection Hood, Add	*439.79*	
		For 3 Phase, 460 Volt, Add	*986.66*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	433.66	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	584.51	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	21,621.26	1,206.73
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	29,681.68	1,282.15
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	40,189.49	1,595.58

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,538.13	188.56
		For Bronze Head And Tube Sheet, Add	*1,029.03*	
		For Copper Nickel Tubes, Add	*228.67*	
		For Double Wall Tube Bundles, Add	*343.01*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,764.45	188.56
		For Bronze Head And Tube Sheet, Add	*1,558.25*	
		For Copper Nickel Tubes, Add	*346.28*	
		For Double Wall Tube Bundles, Add	*519.42*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,734.59	263.97
		For Bronze Head And Tube Sheet, Add	*2,410.87*	
		For Copper Nickel Tubes, Add	*535.75*	
		For Double Wall Tube Bundles, Add	*803.62*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	8,921.11	263.97
		For Bronze Head And Tube Sheet, Add	*3,675.11*	
		For Copper Nickel Tubes, Add	*816.69*	
		For Double Wall Tube Bundles, Add	*1,225.04*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,788.41	310.73
		For Bronze Head And Tube Sheet, Add	*4,880.54*	
		For Copper Nickel Tubes, Add	*1,084.57*	
		For Double Wall Tube Bundles, Add	*1,626.85*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,498.98	395.56
		For Bronze Head And Tube Sheet, Add	*6,409.39*	
		For Copper Nickel Tubes, Add	*1,424.31*	
		For Double Wall Tube Bundles, Add	*2,136.46*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,077.19	593.70
		For Bronze Head And Tube Sheet, Add	*7,850.03*	
		For Copper Nickel Tubes, Add	*1,744.45*	
		For Double Wall Tube Bundles, Add	*2,616.68*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,220.31	593.70
		For Bronze Head And Tube Sheet, Add	*12,230.76*	
		For Copper Nickel Tubes, Add	*2,717.95*	
		For Double Wall Tube Bundles, Add	*4,076.92*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,017.04	188.56
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,437.51	188.56
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,288.48	226.26
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	9,989.61	245.12
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	10,966.18	245.12
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,377.55	263.97
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,176.56	263.97
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,803.07	301.68
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	23,051.06	339.39
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,938.85	339.39
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,669.54	400.75
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,876.83	440.75
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,462.56	480.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,060.82	188.56
		For Copper Nickel Tubes, Add	*280.94*	
		For Double Wall Tube Bundles, Add	*421.41*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,287.13	188.56
		For Copper Nickel Tubes, Add	*398.55*	
		For Double Wall Tube Bundles, Add	*597.82*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,453.28	263.97
		For Copper Nickel Tubes, Add	*607.62*	
		For Double Wall Tube Bundles, Add	*911.43*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,257.73	263.97
		For Copper Nickel Tubes, Add	*875.49*	
		For Double Wall Tube Bundles, Add	*1,313.24*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,436.15	301.68
		For Copper Nickel Tubes, Add	*1,078.03*	
		For Double Wall Tube Bundles, Add	*1,617.05*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,298.33	301.68
		For Copper Nickel Tubes, Add	*1,450.44*	
		For Double Wall Tube Bundles, Add	*2,175.66*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	18,992.93	296.85
		For Copper Nickel Tubes, Add	*1,803.25*	
		For Double Wall Tube Bundles, Add	*2,704.88*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,641.53	296.85
		For Copper Nickel Tubes, Add	*2,247.53*	
		For Double Wall Tube Bundles, Add	*3,371.30*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,231.76	296.85
		For Copper Nickel Tubes, Add	*2,874.75*	
		For Double Wall Tube Bundles, Add	*4,312.13*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,446.52	150.84
		For Copper Nickel Tubes, Add	*314.48*	
		For Double Wall Tube Bundles, Add	*471.73*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,396.94	251.37
		For Copper Nickel Tubes, Add	*889.41*	
		For Double Wall Tube Bundles, Add	*1,334.12*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,678.35	327.93
		For Copper Nickel Tubes, Add	*1,202.37*	
		For Double Wall Tube Bundles, Add	*1,803.55*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,536.48	396.94
		For Copper Nickel Tubes, Add	*1,274.42*	
		For Double Wall Tube Bundles, Add	*1,911.64*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,334.44	471.47
		For Copper Nickel Tubes, Add	*1,537.63*	
		For Double Wall Tube Bundles, Add	*2,306.45*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	837.41	71.59
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,028.92	71.59
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,415.82	89.46
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,810.81	89.46
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,050.20	89.46
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,071.32	93.07
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,085.28	93.07
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,295.10	100.22
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,469.02	107.38
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,698.78	114.54
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,109.73	114.54
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,507.06	121.71
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,569.27	128.86
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,624.30	132.41
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	4,531.85	693.16
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	7,339.69	792.14
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	10,147.64	891.20
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	13,833.90	965.40
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	17,520.40	1,039.73
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	21,024.48	1,247.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	25,621.25	1,341.02
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	30,057.53	1,417.83
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	39,905.99	1,599.61
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	47,549.84	1,641.56
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	60,245.47	1,683.44
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	63,399.89	1,704.45
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	66,419.40	1,725.40
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	72,066.74	1,767.28
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	77,182.45	1,809.30
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	82,105.26	1,984.16
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	86,158.81	2,028.57
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	89,655.41	2,054.39
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	92,675.80	2,117.95
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	95,139.74	2,162.36
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	97,625.47	2,221.61
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	100,057.50	2,245.50
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	102,510.18	2,282.66
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	105,146.60	2,436.60
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	107,746.31	2,567.96

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,523.59	71.59
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,582.34	71.59
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,676.89	89.46
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,735.60	89.46
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,764.98	89.46
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,819.13	93.07
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,883.75	93.07
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,021.41	100.22
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,153.23	107.38
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,343.75	114.54
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,461.25	114.54
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,651.77	121.71
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,194.77	128.86
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,525.00	132.41

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	4,137.13	356.48
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,387.40	445.60
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,451.89	542.48
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	18,558.10	623.84
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,486.38	693.16
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,688.40	779.80
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	29,605.59	891.20
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,641.86	891.20
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	47,861.35	1,039.73
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	54,008.57	1,114.00
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	57,085.89	1,167.45
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	58,630.64	1,225.14
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	60,361.57	1,229.88
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	63,414.96	1,287.75
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	66,510.81	1,341.02

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,469.93	114.41
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,538.38	121.77
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,569.62	128.80
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,598.47	132.48
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,975.38	167.27
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,868.77	250.90
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,417.56	292.72
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	4,938.94	334.54
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	5,973.50	401.44
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,077.78	451.62
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,346.00	501.80
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	11,822.87	669.07
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	13,198.65	836.34
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	13,938.44	1,003.60

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	67,905.06	1,704.45
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	70,044.09	1,725.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	74,690.45	1,767.28
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	79,282.63	1,809.30
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	85,011.99	1,984.16
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	90,402.24	2,028.57
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	95,713.47	2,054.39
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	101,123.67	2,117.95
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	106,515.15	2,162.36
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	114,137.32	2,221.61
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	119,464.07	2,245.50
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	121,893.63	2,282.66
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	137,116.77	2,436.60
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	152,227.41	2,567.96

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,147.47	618.21
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	16,588.61	662.38
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	29,606.43	706.54
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,161.02	750.69
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	41,813.14	794.86
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,337.10	883.17
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,529.25	945.62
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,138.75	1,135.85
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	54,546.11	1,230.50
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	62,610.01	1,325.16
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	70,818.91	1,467.14
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	74,879.55	1,526.21
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	84,655.26	1,621.60
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	92,591.85	1,716.98

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	6,793.03	618.21
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	14,571.24	662.38
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,079.96	706.54
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	24,940.23	750.69
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	26,800.50	794.86
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	31,825.31	883.17
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	35,995.75	945.62
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	46,392.02	1,135.85
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,078.56	1,230.50
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	56,480.45	1,325.16
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	64,890.62	1,467.14
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	68,763.22	1,526.21
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	75,488.43	1,621.60
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	86,230.11	1,716.98

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	49,994.72	5,518.75
		For Gas Fired Engine Driven, Add	*9,171.55*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	57,093.09	5,817.06
		For Gas Fired Engine Driven, Add	*10,546.50*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	66,932.35	6,330.27
		For Gas Fired Engine Driven, Add	*12,437.40*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	75,385.94	6,725.95
		For Gas Fired Engine Driven, Add	*14,068.80*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	95,777.87	7,421.73
		For Gas Fired Engine Driven, Add	*18,042.87*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	106,454.29	7,686.77
		For Gas Fired Engine Driven, Add	*20,138.42*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	115,805.87	8,278.06
		For Gas Fired Engine Driven, Add	*21,920.08*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	142,537.69	8,857.24
		For Gas Fired Engine Driven, Add	*27,163.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	144,304.76	9,037.45
		For Gas Fired Engine Driven, Add	*27,506.01*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	146,556.65	9,430.42
		For Gas Fired Engine Driven, Add	*27,897.47*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	163,592.01	9,859.09
		For Gas Fired Engine Driven, Add	*31,240.28*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	181,931.48	10,328.59
		For Gas Fired Engine Driven, Add	*34,837.79*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	202,692.73	10,844.99
		For Gas Fired Engine Driven, Add	*38,912.61*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	219,672.45	11,415.80
		For Gas Fired Engine Driven, Add	*42,222.98*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	243,297.62	12,049.99
		For Gas Fired Engine Driven, Add	*46,852.93*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,117.56	483.27
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,342.55	705.79
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,180.93	764.89
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	17,619.62	917.87
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,933.24	1,079.89
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	40,910.78	1,624.69
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	50,836.13	1,960.86
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	70,943.45	2,145.48

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,165.30	483.27
		For >10 To 25, Deduct	*-193.00*	
		For >25 To 50, Deduct	*-321.67*	
		For >50, Deduct	*-514.67*	
		For Low Ambient Protection, 0 Degree F, Add	*1,019.32*	
		For Winter Start Control, Add	*330.53*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,589.22	573.67
		For >10 To 25, Deduct	*-231.60*	
		For >25 To 50, Deduct	*-386.00*	
		For >50, Deduct	*-617.60*	
		For Low Ambient Protection, 0 Degree F, Add	*834.90*	
		For Winter Start Control, Add	*241.32*	
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,224.97	705.79
		For >10 To 25, Deduct	*-304.66*	
		For >25 To 50, Deduct	*-507.76*	
		For >50, Deduct	*-812.42*	
		For Low Ambient Protection, 0 Degree F, Add	*978.31*	
		For Winter Start Control, Add	*310.08*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,091.53	734.30
		For >10 To 25, Deduct	*-389.37*	
		For >25 To 50, Deduct	*-648.95*	
		For >50, Deduct	*-1,038.32*	
		For Low Ambient Protection, 0 Degree F, Add	*1,186.67*	
		For Winter Start Control, Add	*370.84*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	16,961.65	764.89
		For >10 To 25, Deduct	*-474.08*	
		For >25 To 50, Deduct	*-790.14*	
		For >50, Deduct	*-1,264.22*	
		For Low Ambient Protection, 0 Degree F, Add	*1,237.90*	
		For Winter Start Control, Add	*273.92*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,960.15	917.87
		For >10 To 25, Deduct	*-617.08*	
		For >25 To 50, Deduct	*-1,028.47*	
		For >50, Deduct	*-1,645.56*	
		For Low Ambient Protection, 0 Degree F, Add	*1,581.84*	
		For Winter Start Control, Add	*344.77*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,069.29	987.40
		For >10 To 25, Deduct	*-707.24*	
		For >25 To 50, Deduct	*-1,178.73*	
		For >50, Deduct	*-1,885.96*	
		For Low Ambient Protection, 0 Degree F, Add	*1,670.29*	
		For Winter Start Control, Add	*385.22*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	28,832.15	1,077.80
		For >10 To 25, Deduct	*-816.04*	
		For >25 To 50, Deduct	*-1,360.07*	
		For >50, Deduct	*-2,176.11*	
		For Low Ambient Protection, 0 Degree F, Add	*1,767.76*	
		For Winter Start Control, Add	*435.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	39,945.54	1,292.37
		For >10 To 25, Deduct	*-1,138.57*	
		For >25 To 50, Deduct	*-1,897.62*	
		For >50, Deduct	*-3,036.20*	
		For Low Ambient Protection, 0 Degree F, Add	*2,395.90*	
		For Winter Start Control, Add	*578.83*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	48,424.17	1,624.69
		For >10 To 25, Deduct	*-1,377.56*	
		For >25 To 50, Deduct	*-2,295.93*	
		For >50, Deduct	*-3,673.48*	
		For Low Ambient Protection, 0 Degree F, Add	*2,463.14*	
		For Winter Start Control, Add	*480.15*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	55,976.10	1,793.17
		For >10 To 25, Deduct	*-1,598.51*	
		For >25 To 50, Deduct	*-2,664.18*	
		For >50, Deduct	*-4,262.69*	
		For Low Ambient Protection, 0 Degree F, Add	*2,804.45*	
		For Winter Start Control, Add	*535.66*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	72,970.49	1,960.86
		For >10 To 25, Deduct	*-2,098.39*	
		For >25 To 50, Deduct	*-3,497.32*	
		For >50, Deduct	*-5,595.72*	
		For Low Ambient Protection, 0 Degree F, Add	*3,553.86*	
		For Winter Start Control, Add	*652.13*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	101,260.12	1,765.55
		For >10 To 25, Deduct	*-2,929.98*	
		For >25 To 50, Deduct	*-4,883.30*	
		For >50, Deduct	*-7,813.28*	
		For Low Ambient Protection, 0 Degree F, Add	*3,828.51*	
		For Winter Start Control, Add	*847.74*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	125,474.62	1,825.40
		For >10 To 25, Deduct	*-3,652.76*	
		For >25 To 50, Deduct	*-6,087.93*	
		For >50, Deduct	*-9,740.69*	
		For Low Ambient Protection, 0 Degree F, Add	*4,581.75*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,378.53	198.42
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-62.43*	
		For >25 To 50, Deduct	*-104.05*	
		For >50, Deduct	*-166.47*	
		For 15 SEER, Add	*499.42*	
		For 16 SEER, Add	*853.17*	
		For 18 SEER, Add	*1,789.57*	
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,544.18	220.57
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-66.40*	
		For >25 To 50, Deduct	*-110.67*	
		For >50, Deduct	*-177.08*	
		For 15 SEER, Add	*531.24*	
		For 16 SEER, Add	*907.53*	
		For 18 SEER, Add	*1,903.59*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,682.87	242.64
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-69.57*	
		For >25 To 50, Deduct	*-115.96*	
		For >50, Deduct	*-185.53*	
		For 15 SEER, Add	*556.58*	
		For 16 SEER, Add	*950.83*	
		For 18 SEER, Add	*1,994.43*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,109.20	264.56
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-81.37*	
		For >25 To 50, Deduct	*-135.62*	
		For >50, Deduct	*-216.99*	
		For 15 SEER, Add	*650.97*	
		For 16 SEER, Add	*1,112.07*	
		For 18 SEER, Add	*2,332.63*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,279.35	286.75
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-85.48*	
		For >25 To 50, Deduct	*-142.47*	
		For >50, Deduct	*-227.96*	
		For 15 SEER, Add	*683.87*	
		For 16 SEER, Add	*1,168.27*	
		For 18 SEER, Add	*2,450.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	3,676.46	308.81
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-96.40*	
		For >25 To 50, Deduct	*-160.67*	
		For >50, Deduct	*-257.08*	
		For 15 SEER, Add	*771.24*	
		For 16 SEER, Add	*1,317.53*	
		For 18 SEER, Add	*2,763.59*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,184.71	330.70
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-110.66*	
		For >25 To 50, Deduct	*-184.43*	
		For >50, Deduct	*-295.09*	
		For 15 SEER, Add	*885.28*	
		For 16 SEER, Add	*1,512.35*	
		For 18 SEER, Add	*3,172.25*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	204.02	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	765.06	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	1,460.83	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	210,831.90	7,529.29
		For Two Stage Unit, Add	*141,558.89*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	267,333.13	8,671.65
		For Two Stage Unit, Add	*180,195.87*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	341,114.53	9,322.02
		For Two Stage Unit, Add	*231,322.55*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	379,395.83	9,972.40
		For Two Stage Unit, Add	*257,599.16*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	424,843.69	10,261.45
		For Two Stage Unit, Add	*289,181.42*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	479,804.49	10,622.77
		For Two Stage Unit, Add	*327,364.92*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	515,042.31	10,984.09
		For Two Stage Unit, Add	*351,742.34*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	614,813.35	11,562.20
		For Two Stage Unit, Add	*421,119.58*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	689,497.12	11,923.52
		For Two Stage Unit, Add	*473,109.16*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	838,142.00	12,284.84
		For Two Stage Unit, Add	*576,871.52*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	908,906.68	13,152.01
		For Two Stage Unit, Add	*625,713.07*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	974,596.13	13,946.91
		For Two Stage Unit, Add	*671,059.76*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,045,190.23	14,728.77
		For Two Stage Unit, Add	*719,850.15*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,198,833.54	15,088.01
		For Two Stage Unit, Add	*827,084.33*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,313,893.06	15,950.19
		For Two Stage Unit, Add	*906,965.00*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,537,213.39	16,668.65
		For Two Stage Unit, Add	*1,062,714.45*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,800,041.59	17,171.59
		For Two Stage Unit, Add	*1,246,291.85*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	248,415.05	4,000.56
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	352,921.99	5,368.84
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	442,451.83	5,677.98
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16		**Water-Cooled Centrifugal Water Chillers** *(23 64 16)*		
23 64 16 16-0001		Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)* Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	164,085.67	4,123.01
		For 208/230 Voltage Motor Rating, Add	*6,298.51*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	179,691.34	4,227.43
		For 208/230 Voltage Motor Rating, Add	*6,915.94*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	198,577.77	4,334.89
		For 208/230 Voltage Motor Rating, Add	*7,664.58*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	216,929.41	4,508.68
		For 208/230 Voltage Motor Rating, Add	*8,387.48*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	234,767.41	4,763.26
		For 208/230 Voltage Motor Rating, Add	*9,084.64*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	251,950.67	5,010.91
		For 208/230 Voltage Motor Rating, Add	*9,756.06*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	268,532.19	5,285.67
		For 208/230 Voltage Motor Rating, Add	*10,401.67*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	284,449.48	5,546.32
		For 208/230 Voltage Motor Rating, Add	*11,021.61*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	299,684.51	5,783.99
		For 208/230 Voltage Motor Rating, Add	*11,615.74*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	314,195.74	5,971.66
		For 208/230 Voltage Motor Rating, Add	*12,184.13*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	328,237.16	6,267.51
		For 208/230 Voltage Motor Rating, Add	*12,726.78*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	341,548.43	6,509.30
		For 208/230 Voltage Motor Rating, Add	*13,243.69*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	354,211.14	6,748.00
		For 208/230 Voltage Motor Rating, Add	*13,734.86*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	366,143.95	6,932.84
		For 208/230 Voltage Motor Rating, Add	*14,200.30*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	387,878.22	7,178.69
		For 208/230 Voltage Motor Rating, Add	*15,053.87*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	406,894.37	7,334.77
		For 208/230 Voltage Motor Rating, Add	*15,804.49*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	423,666.42	7,697.32
		For 208/230 Voltage Motor Rating, Add	*16,452.08*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	437,873.32	8,065.36
		For 208/230 Voltage Motor Rating, Add	*16,996.71*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	449,569.48	8,470.25
		For 208/230 Voltage Motor Rating, Add	*17,438.53*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	477,661.14	8,878.90
		For 208/230 Voltage Motor Rating, Add	*18,535.94*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	505,552.64	9,286.25
		For 208/230 Voltage Motor Rating, Add	*19,625.43*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	533,305.22	9,732.70
		For 208/230 Voltage Motor Rating, Add	*20,706.85*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	560,926.55	10,224.24
		For 208/230 Voltage Motor Rating, Add	*21,780.12*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	588,055.11	10,649.40
		For 208/230 Voltage Motor Rating, Add	*22,845.24*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	637,162.21	12,287.82
		For 208/230 Voltage Motor Rating, Add	*24,705.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	684,350.27	13,930.91
		For 208/230 Voltage Motor Rating, Add	*26,488.45*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	729,111.82	15,261.88
		For 208/230 Voltage Motor Rating, Add	*28,194.30*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	771,130.00	16,081.37
		For 208/230 Voltage Motor Rating, Add	*29,822.94*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	811,169.62	16,874.07
		For 208/230 Voltage Motor Rating, Add	*31,374.13*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	848,815.31	17,363.21
		For 208/230 Voltage Motor Rating, Add	*32,848.87*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	885,672.74	18,574.56
		For 208/230 Voltage Motor Rating, Add	*34,246.16*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	920,114.53	19,480.63
		For 208/230 Voltage Motor Rating, Add	*35,566.23*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	953,054.16	20,656.21
		For 208/230 Voltage Motor Rating, Add	*36,809.09*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	983,371.36	21,393.93
		For 208/230 Voltage Motor Rating, Add	*37,974.88*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,048,411.21	22,604.93
		For 208/230 Voltage Motor Rating, Add	*40,551.75*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,104,238.05	23,961.19
		For 208/230 Voltage Motor Rating, Add	*42,646.35*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	155,414.38	3,468.66
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	196,051.47	4,031.59
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	246,226.04	4,123.01
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	321,351.19	4,763.26
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	324,166.03	4,508.68
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	487,244.16	5,971.66
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	431,383.45	5,546.32
		For 5 Year Parts Only Compressor Warranty, Add	*14,666.67*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	599,985.05	7,178.69
		For 5 Year Parts Only Compressor Warranty, Add	*14,666.67*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	537,640.73	6,267.51
		For 5 Year Parts Only Compressor Warranty, Add	*17,333.33*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	720,380.87	7,697.32
		For 5 Year Parts Only Compressor Warranty, Add	*17,333.33*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	640,788.23	6,932.84
		For 5 Year Parts Only Compressor Warranty, Add	*20,000.00*	
		For Marine Water Box Connections, Add	*6,903.99*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	825,675.68	8,878.90
		For 5 Year Parts Only Compressor Warranty, Add	*20,000.00*	
		For Marine Water Box Connections, Add	*6,903.99*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0001		**Packaged Air-Cooled Scroll Water Chillers** *(23 64 23 13)* Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.		
23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	31,079.49	1,100.10
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	46,009.26	1,114.20
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	50,243.31	1,191.78
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	55,325.46	1,276.40
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	56,142.78	1,361.02
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	59,203.11	1,459.75
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	67,818.01	1,579.63
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	72,818.25	1,713.62
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	76,952.17	1,762.98
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	80,374.94	1,840.55
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	83,072.16	1,904.02
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	95,913.63	2,143.78
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	103,180.40	2,348.29
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	105,115.54	2,355.35
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	111,403.81	2,362.39
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	117,531.52	2,369.44
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	123,735.50	2,376.50
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	130,252.39	2,383.55
23 64 23 16		**Water-Cooled Scroll Water Chillers** *(23 64 23)*		
23 64 23 16-0001		**Packaged Water Cooled Scroll Water Chillers** *(23 64 23 16)* Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	38,245.45	1,306.41
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	44,226.43	1,345.87
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	49,085.74	1,477.49
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	60,335.20	1,921.69
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	66,772.67	2,105.98
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	70,014.28	2,326.84
23 64 26		**Rotary-Screw Water Chillers** *(23 64)*		
23 64 26 13		**Air-Cooled, Rotary-Screw Water Chillers** *(23 64 26)*		
23 64 26 13-0001		**Packaged Air-Cooled Rotary-Screw Water Chillers** *(23 64 26 13)* Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.		
23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	110,990.35	2,700.88
		For Aluminum Fins Instead Of Copper, Deduct	*-1,604.14*	
		For 208/230 Voltage Motor Rating, Add	*4,277.70*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	119,254.57	2,933.60
		For Aluminum Fins Instead Of Copper, Deduct	*-1,722.92*	
		For 208/230 Voltage Motor Rating, Add	*4,594.45*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	125,468.79	3,060.53
		For Aluminum Fins Instead Of Copper, Deduct	*-1,813.17*	
		For 208/230 Voltage Motor Rating, Add	*4,835.12*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	129,976.87	3,293.24
		For Aluminum Fins Instead Of Copper, Deduct	*-1,875.61*	
		For 208/230 Voltage Motor Rating, Add	*5,001.62*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	139,583.15	3,455.44
		For Aluminum Fins Instead Of Copper, Deduct	*-2,016.11*	
		For 208/230 Voltage Motor Rating, Add	*5,376.28*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	148,486.67	3,525.96
		For Aluminum Fins Instead Of Copper, Deduct	*-2,147.97*	
		For 208/230 Voltage Motor Rating, Add	*5,727.91*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	156,830.08	3,645.84
		For Aluminum Fins Instead Of Copper, Deduct	*-2,270.47*	
		For 208/230 Voltage Motor Rating, Add	*6,054.59*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	161,885.77	3,723.42
		For Aluminum Fins Instead Of Copper, Deduct	*-2,344.51*	
		For 208/230 Voltage Motor Rating, Add	*6,252.03*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	171,083.43	3,800.98
		For Aluminum Fins Instead Of Copper, Deduct	*-2,480.68*	
		For 208/230 Voltage Motor Rating, Add	*6,615.14*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	178,634.66	3,920.86
		For Aluminum Fins Instead Of Copper, Deduct	*-2,591.30*	
		For 208/230 Voltage Motor Rating, Add	*6,910.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	188,434.61	4,076.01
		For Aluminum Fins Instead Of Copper, Deduct	*-2,734.81*	
		For 208/230 Voltage Motor Rating, Add	*7,292.82*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	197,085.22	4,160.64
		For Aluminum Fins Instead Of Copper, Deduct	*-2,862.77*	
		For 208/230 Voltage Motor Rating, Add	*7,634.05*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	211,511.90	4,231.15
		For Aluminum Fins Instead Of Copper, Deduct	*-3,077.48*	
		For 208/230 Voltage Motor Rating, Add	*8,206.61*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	221,110.89	4,273.46
		For Aluminum Fins Instead Of Copper, Deduct	*-3,220.62*	
		For 208/230 Voltage Motor Rating, Add	*8,588.31*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	230,709.86	4,308.72
		For Aluminum Fins Instead Of Copper, Deduct	*-3,363.75*	
		For 208/230 Voltage Motor Rating, Add	*8,970.01*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	259,464.49	4,393.34
		For Aluminum Fins Instead Of Copper, Deduct	*-3,793.17*	
		For 208/230 Voltage Motor Rating, Add	*10,115.12*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	273,898.23	4,477.96
		For Aluminum Fins Instead Of Copper, Deduct	*-4,007.88*	
		For 208/230 Voltage Motor Rating, Add	*10,687.67*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	293,096.19	4,548.49
		For Aluminum Fins Instead Of Copper, Deduct	*-4,294.15*	
		For 208/230 Voltage Motor Rating, Add	*11,451.08*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	321,836.72	4,626.06
		For Aluminum Fins Instead Of Copper, Deduct	*-4,723.57*	
		For 208/230 Voltage Motor Rating, Add	*12,596.19*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	351,250.09	4,682.48
		For Aluminum Fins Instead Of Copper, Deduct	*-5,163.40*	
		For 208/230 Voltage Motor Rating, Add	*13,769.06*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	71,407.43	3,251.87
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	77,690.98	3,378.34
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	83,136.22	3,468.66
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,813.85	3,615.00
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	92,508.81	3,714.36
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	98,237.77	3,818.64
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	133,848.72	3,925.36
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,001.27	4,031.59
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	142,837.84	4,131.39
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	144,108.94	4,338.00
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	142,830.23	4,547.20
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	151,294.10	4,644.54
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	164,744.10	4,746.14
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	175,112.95	4,963.36
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	184,927.54	5,164.25
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	196,382.71	5,368.84
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	215,571.25	5,844.69
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	231,122.45	6,428.59
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	243,049.09	7,071.73

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	19,224.01	1,170.61
		For Counter Flow Type, Add	*1,310.11*	
		For Stainless Steel Cooling Tower, Add	*13,974.46*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	26,670.56	1,431.54
		For Counter Flow Type, Add	*1,840.04*	
		For Stainless Steel Cooling Tower, Add	*19,627.06*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	33,313.22	1,798.24
		For Counter Flow Type, Add	*2,281.65*	
		For Stainless Steel Cooling Tower, Add	*24,337.55*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	38,483.72	2,009.80
		For Counter Flow Type, Add	*2,644.05*	
		For Stainless Steel Cooling Tower, Add	*28,203.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	44,014.45	2,263.66
		For Counter Flow Type, Add	*3,028.17*	
		For Stainless Steel Cooling Tower, Add	*32,300.53*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	49,498.63	2,538.69
		For Counter Flow Type, Add	*3,406.70*	
		For Stainless Steel Cooling Tower, Add	*36,338.10*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	55,571.78	2,827.82
		For Counter Flow Type, Add	*3,827.28*	
		For Stainless Steel Cooling Tower, Add	*40,824.28*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	60,636.23	3,187.47
		For Counter Flow Type, Add	*4,163.74*	
		For Stainless Steel Cooling Tower, Add	*44,413.23*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	65,992.70	3,540.07
		For Counter Flow Type, Add	*4,522.64*	
		For Stainless Steel Cooling Tower, Add	*48,241.44*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	71,964.13	4,188.84
		For Counter Flow Type, Add	*4,892.75*	
		For Stainless Steel Cooling Tower, Add	*52,189.28*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	78,118.34	4,640.16
		For Counter Flow Type, Add	*5,299.31*	
		For Stainless Steel Cooling Tower, Add	*56,525.93*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	82,294.05	4,936.35
		For Counter Flow Type, Add	*5,579.69*	
		For Stainless Steel Cooling Tower, Add	*59,516.72*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	87,187.46	5,225.48
		For Counter Flow Type, Add	*5,909.15*	
		For Stainless Steel Cooling Tower, Add	*63,030.90*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	91,989.19	5,479.34
		For Counter Flow Type, Add	*6,238.60*	
		For Stainless Steel Cooling Tower, Add	*66,545.07*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	97,531.57	5,733.21
		For Counter Flow Type, Add	*6,624.13*	
		For Stainless Steel Cooling Tower, Add	*70,657.41*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	103,359.61	6,043.49
		For Counter Flow Type, Add	*7,023.68*	
		For Stainless Steel Cooling Tower, Add	*74,919.29*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	110,021.74	6,353.78
		For Counter Flow Type, Add	*7,486.32*	
		For Stainless Steel Cooling Tower, Add	*79,854.09*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	116,526.94	6,621.75
		For Counter Flow Type, Add	*7,941.95*	
		For Stainless Steel Cooling Tower, Add	*84,714.12*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	123,039.20	6,889.72
		For Counter Flow Type, Add	*8,397.58*	
		For Stainless Steel Cooling Tower, Add	*89,574.15*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	135,647.66	7,178.86
		For Counter Flow Type, Add	*9,308.83*	
		For Stainless Steel Cooling Tower, Add	*99,294.22*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	149,377.68	7,460.93
		For Counter Flow Type, Add	*10,304.21*	
		For Stainless Steel Cooling Tower, Add	*109,911.53*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	155,041.82	7,616.07
		For Counter Flow Type, Add	*10,724.79*	
		For Stainless Steel Cooling Tower, Add	*114,397.71*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	161,827.51	7,714.80
		For Counter Flow Type, Add	*11,229.48*	
		For Stainless Steel Cooling Tower, Add	*119,781.14*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	169,364.29	8,109.71
		For Counter Flow Type, Add	*11,748.20*	
		For Stainless Steel Cooling Tower, Add	*125,314.10*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	178,209.52	8,504.61
		For Counter Flow Type, Add	*12,365.05*	
		For Stainless Steel Cooling Tower, Add	*131,893.83*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	187,111.18	8,934.79
		For Counter Flow Type, Add	*12,981.90*	
		For Stainless Steel Cooling Tower, Add	*138,473.57*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	197,508.23	9,364.95
		For Counter Flow Type, Add	*13,710.90*	
		For Stainless Steel Cooling Tower, Add	*146,249.62*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	208,190.94	9,858.58
		For Counter Flow Type, Add	*14,453.93*	
		For Stainless Steel Cooling Tower, Add	*154,175.22*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	220,361.98	10,352.22
		For Counter Flow Type, Add	*15,309.11*	
		For Stainless Steel Cooling Tower, Add	*163,297.13*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers
(23 65 14 13)
Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	9,624.36	789.82
		For Polymer Coating Over Galvanized Components, Add	*1,265.95*	
		For Stainless Steel Support Structure, Add	*2,531.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	11,489.52	853.29
		For Polymer Coating Over Galvanized Components, Add	*1,530.91*	
		For Stainless Steel Support Structure, Add	*3,061.82*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	13,803.64	959.06
		For Polymer Coating Over Galvanized Components, Add	*1,854.76*	
		For Stainless Steel Support Structure, Add	*3,709.52*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	15,325.62	1,057.79
		For Polymer Coating Over Galvanized Components, Add	*2,060.84*	
		For Stainless Steel Support Structure, Add	*4,121.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	18,242.66	1,170.61
		For Polymer Coating Over Galvanized Components, Add	*2,473.01*	
		For Stainless Steel Support Structure, Add	*4,946.02*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	21,329.65	1,262.30
		For Polymer Coating Over Galvanized Components, Add	*2,915.96*	
		For Stainless Steel Support Structure, Add	*5,831.92*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	24,511.59	1,431.54
		For Polymer Coating Over Galvanized Components, Add	*3,356.23*	
		For Stainless Steel Support Structure, Add	*6,712.46*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	30,369.16	1,798.24
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	33,062.91	2,009.80
		For Polymer Coating Over Galvanized Components, Add	*4,474.97*	
		For Stainless Steel Support Structure, Add	*8,949.94*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	51,373.97	2,263.66
		For Polymer Coating Over Galvanized Components, Add	*7,160.28*	
		For Stainless Steel Support Structure, Add	*14,320.55*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	62,072.09	2,827.82
		For Polymer Coating Over Galvanized Components, Add	*8,629.60*	
		For Stainless Steel Support Structure, Add	*17,259.20*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	79,228.30	4,640.16
		For Polymer Coating Over Galvanized Components, Add	*10,765.11*	
		For Stainless Steel Support Structure, Add	*21,530.21*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	30,369.16	1,798.24
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	40,603.08	2,263.66
		For Polymer Coating Over Galvanized Components, Add	*5,544.64*	
		For Stainless Steel Support Structure, Add	*11,089.29*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	51,646.37	2,827.82
		For Polymer Coating Over Galvanized Components, Add	*7,065.74*	
		For Stainless Steel Support Structure, Add	*14,131.48*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	61,076.59	3,540.07
		For Polymer Coating Over Galvanized Components, Add	*8,307.85*	
		For Stainless Steel Support Structure, Add	*16,615.71*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	72,108.72	4,640.16
		For Polymer Coating Over Galvanized Components, Add	*9,697.17*	
		For Stainless Steel Support Structure, Add	*19,394.34*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	80,317.99	5,225.48
		For Polymer Coating Over Galvanized Components, Add	*10,787.87*	
		For Stainless Steel Support Structure, Add	*21,575.75*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	89,680.75	5,733.21
		For Polymer Coating Over Galvanized Components, Add	*12,070.64*	
		For Stainless Steel Support Structure, Add	*24,141.28*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	101,797.07	6,353.78
		For Polymer Coating Over Galvanized Components, Add	*13,738.94*	
		For Stainless Steel Support Structure, Add	*27,477.88*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	115,094.92	6,889.72
		For Polymer Coating Over Galvanized Components, Add	*15,603.51*	
		For Stainless Steel Support Structure, Add	*31,207.02*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	123,497.57	7,263.48
		For Polymer Coating Over Galvanized Components, Add	*16,795.15*	
		For Stainless Steel Support Structure, Add	*33,590.31*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	132,604.96	7,460.93
		For Polymer Coating Over Galvanized Components, Add	*18,092.50*	
		For Stainless Steel Support Structure, Add	*36,185.01*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	151,453.20	7,714.80
		For Polymer Coating Over Galvanized Components, Add	*20,902.82*	
		For Stainless Steel Support Structure, Add	*41,805.63*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	166,059.44	8,504.61
		For Polymer Coating Over Galvanized Components, Add	*22,907.58*	
		For Stainless Steel Support Structure, Add	*45,815.16*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	183,488.90	9,364.95
		For Polymer Coating Over Galvanized Components, Add	*25,318.91*	
		For Stainless Steel Support Structure, Add	*50,637.81*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,882.01	789.82
		For Polymer Coating Over Galvanized Components, Add	*1,004.59*	
		For Stainless Steel Support Structure, Add	*2,009.19*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,557.23	803.92
		For Polymer Coating Over Galvanized Components, Add	*1,103.76*	
		For Stainless Steel Support Structure, Add	*2,207.52*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,302.42	874.44
		For Polymer Coating Over Galvanized Components, Add	*1,198.61*	
		For Stainless Steel Support Structure, Add	*2,397.23*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,975.54	916.75
		For Polymer Coating Over Galvanized Components, Add	*1,440.06*	
		For Stainless Steel Support Structure, Add	*2,880.12*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,504.93	959.06
		For Polymer Coating Over Galvanized Components, Add	*1,659.95*	
		For Stainless Steel Support Structure, Add	*3,319.90*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,990.95	1,008.43
		For Polymer Coating Over Galvanized Components, Add	*1,871.22*	
		For Stainless Steel Support Structure, Add	*3,742.44*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,354.94	1,057.79
		For Polymer Coating Over Galvanized Components, Add	*2,065.24*	
		For Stainless Steel Support Structure, Add	*4,130.48*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,869.70	1,114.20
		For Polymer Coating Over Galvanized Components, Add	*2,280.82*	
		For Stainless Steel Support Structure, Add	*4,561.63*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,341.07	1,170.61
		For Polymer Coating Over Galvanized Components, Add	*2,487.77*	
		For Stainless Steel Support Structure, Add	*4,975.54*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,263.20	1,262.30
		For Polymer Coating Over Galvanized Components, Add	*2,905.99*	
		For Stainless Steel Support Structure, Add	*5,811.99*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,429.39	1,361.02
		For Polymer Coating Over Galvanized Components, Add	*3,358.71*	
		For Stainless Steel Support Structure, Add	*6,717.41*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,879.08	1,431.54
		For Polymer Coating Over Galvanized Components, Add	*3,561.35*	
		For Stainless Steel Support Structure, Add	*7,122.70*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,413.38	1,551.42
		For Polymer Coating Over Galvanized Components, Add	*3,763.99*	
		For Stainless Steel Support Structure, Add	*7,527.99*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,516.52	1,671.30
		For Polymer Coating Over Galvanized Components, Add	*3,901.96*	
		For Stainless Steel Support Structure, Add	*7,803.93*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,542.77	1,798.24
		For Polymer Coating Over Galvanized Components, Add	*4,147.72*	
		For Stainless Steel Support Structure, Add	*8,295.45*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,657.35	2,009.80
		For Polymer Coating Over Galvanized Components, Add	*4,264.14*	
		For Stainless Steel Support Structure, Add	*8,528.27*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	36,837.82	2,263.66
		For Polymer Coating Over Galvanized Components, Add	*4,979.85*	
		For Stainless Steel Support Structure, Add	*9,959.71*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	40,666.80	2,538.69
		For Polymer Coating Over Galvanized Components, Add	*5,488.62*	
		For Stainless Steel Support Structure, Add	*10,977.24*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,655.64	2,827.82
		For Polymer Coating Over Galvanized Components, Add	*5,717.13*	
		For Stainless Steel Support Structure, Add	*11,434.26*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	49,385.07	3,187.47
		For Polymer Coating Over Galvanized Components, Add	*6,639.81*	
		For Stainless Steel Support Structure, Add	*13,279.61*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	54,095.38	3,540.07
		For Polymer Coating Over Galvanized Components, Add	*7,260.67*	
		For Stainless Steel Support Structure, Add	*14,521.34*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	57,460.25	4,188.84
		For Polymer Coating Over Galvanized Components, Add	*7,609.91*	
		For Stainless Steel Support Structure, Add	*15,219.82*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	61,872.85	4,640.16
		For Polymer Coating Over Galvanized Components, Add	*8,161.79*	
		For Stainless Steel Support Structure, Add	*16,323.58*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	70,801.52	5,225.48
		For Polymer Coating Over Galvanized Components, Add	*9,360.40*	
		For Stainless Steel Support Structure, Add	*18,720.80*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	78,079.83	5,733.21
		For Polymer Coating Over Galvanized Components, Add	*10,330.50*	
		For Stainless Steel Support Structure, Add	*20,661.01*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	86,288.84	6,353.78
		For Polymer Coating Over Galvanized Components, Add	*11,412.71*	
		For Stainless Steel Support Structure, Add	*22,825.41*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	94,054.72	6,889.72
		For Polymer Coating Over Galvanized Components, Add	*12,447.48*	
		For Stainless Steel Support Structure, Add	*24,894.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	107,906.16	7,460.93
		For Polymer Coating Over Galvanized Components, Add	*14,387.68*	
		For Stainless Steel Support Structure, Add	*28,775.37*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	121,844.73	7,714.80
		For Polymer Coating Over Galvanized Components, Add	*16,461.55*	
		For Stainless Steel Support Structure, Add	*32,923.09*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	136,307.99	8,504.61
		For Polymer Coating Over Galvanized Components, Add	*18,444.86*	
		For Stainless Steel Support Structure, Add	*36,889.73*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	150,251.72	9,364.95
		For Polymer Coating Over Galvanized Components, Add	*20,333.33*	
		For Stainless Steel Support Structure, Add	*40,666.66*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	163,782.24	10,352.22
		For Polymer Coating Over Galvanized Components, Add	*22,131.25*	
		For Stainless Steel Support Structure, Add	*44,262.50*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	179,712.95	10,852.90
		For Polymer Coating Over Galvanized Components, Add	*24,403.44*	
		For Stainless Steel Support Structure, Add	*48,806.89*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	195,083.98	11,318.34
		For Polymer Coating Over Galvanized Components, Add	*26,598.03*	
		For Stainless Steel Support Structure, Add	*53,196.06*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	207,271.11	12,291.50
		For Polymer Coating Over Galvanized Components, Add	*28,197.62*	
		For Stainless Steel Support Structure, Add	*56,395.24*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	218,967.48	13,335.17
		For Polymer Coating Over Galvanized Components, Add	*29,706.67*	
		For Stainless Steel Support Structure, Add	*59,413.33*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	230,151.91	14,435.28
		For Polymer Coating Over Galvanized Components, Add	*31,125.17*	
		For Stainless Steel Support Structure, Add	*62,250.34*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	240,498.92	15,429.60
		For Polymer Coating Over Galvanized Components, Add	*32,444.51*	
		For Stainless Steel Support Structure, Add	*64,889.02*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	250,446.26	16,564.96
		For Polymer Coating Over Galvanized Components, Add	*33,668.99*	
		For Stainless Steel Support Structure, Add	*67,337.98*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	260,072.07	17,876.63
		For Polymer Coating Over Galvanized Components, Add	*34,802.93*	
		For Stainless Steel Support Structure, Add	*69,605.87*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	269,029.75	19,188.27
		For Polymer Coating Over Galvanized Components, Add	*35,837.71*	
		For Stainless Steel Support Structure, Add	*71,675.42*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	278,131.31	20,979.47
		For Polymer Coating Over Galvanized Components, Add	*36,781.94*	
		For Stainless Steel Support Structure, Add	*73,563.88*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	95,967.49	1,798.24
		For Induced Draft Counter Flow Type, Add	*4,653.81*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	108,810.36	1,995.69
		For Induced Draft Counter Flow Type, Add	*5,279.03*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	118,829.13	2,263.66
		For Induced Draft Counter Flow Type, Add	*5,759.52*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	131,695.23	2,827.82
		For Induced Draft Counter Flow Type, Add	*6,357.69*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	148,726.13	3,540.07
		For Induced Draft Counter Flow Type, Add	*7,151.76*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	170,003.18	4,640.16
		For Induced Draft Counter Flow Type, Add	*8,127.11*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	184,995.11	5,225.48
		For Induced Draft Counter Flow Type, Add	*8,829.81*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	199,860.10	5,733.21
		For Induced Draft Counter Flow Type, Add	*9,532.51*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	230,322.03	6,889.72
		For Induced Draft Counter Flow Type, Add	*10,962.53*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	260,574.44	7,460.93
		For Induced Draft Counter Flow Type, Add	*12,429.31*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	323,879.74	8,109.71
		For Induced Draft Counter Flow Type, Add	*15,524.06*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	421,325.32	10,352.22
		For Induced Draft Counter Flow Type, Add	*20,254.24*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	39,892.81	1,170.61
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	56,988.35	1,431.54
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	66,865.34	1,798.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	75,838.97	2,009.80
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	83,119.05	2,263.66
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	99,527.90	2,827.82
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	116,856.06	3,540.07
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	137,952.80	4,640.16
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	150,839.55	5,225.48
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	171,264.75	5,733.21
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	198,213.17	6,889.72
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	224,172.79	7,460.93
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	278,412.44	8,109.71
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	355,286.50	10,239.39

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	69,745.34	1,798.24
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	75,390.64	2,009.80
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	81,111.33	2,263.66
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	95,731.75	2,827.82
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	104,970.57	3,540.07

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,124.73	733.39
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,342.90	768.66
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,163.65	789.82
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,937.96	803.92
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,959.38	874.44
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,427.21	916.75
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,606.71	959.06
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,129.64	1,057.79
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,431.10	1,170.61
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,988.44	1,262.30
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	16,239.22	1,361.02
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,604.99	1,551.42
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	21,250.09	1,798.24
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	26,521.06	2,009.80
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,776.78	2,263.66
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	36,408.84	2,538.69
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	40,610.57	2,827.82
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	44,811.91	3,187.47
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,812.12	3,540.07
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	58,006.24	4,640.16
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	65,980.06	5,225.48
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	73,422.57	5,733.21
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	89,356.09	6,748.69
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	102,565.47	7,460.93
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	111,115.82	5,733.21
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	125,205.07	8,504.61
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	145,771.19	7,087.18

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,077.80
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,215.97
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,211.45
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,409.48
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,516.88
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,688.87
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,860.85
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,914.75
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,126.70	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,412.25	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,700.87	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,906.66	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	31,528.29	133.68
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	44,008.88	177.23
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	50,369.70	214.37
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	59,621.11	267.96
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	69,310.83	356.21
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	89,459.68	535.99
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	101,025.05	603.70
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	138,767.94	801.88
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	179,683.91	932.21

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,552.23	502.68
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	11,653.07	603.36
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	14,583.15	754.20
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,081.13	861.68
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	18,965.78	905.05
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,178.76	1,005.74
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	31,166.41	1,055.88
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,066.48	1,131.31
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	47,414.10	1,292.70
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	52,851.37	1,659.25
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	71,289.24	1,885.51
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	84,768.67	2,262.61

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,738.49	377.10
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,157.12	502.83
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	46,177.33	754.20

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,572.18	325.10
		For Flat Filter Box And Throwaway Filters, Add	*234.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*454.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*678.77*	
		For Manual Roll Filter, Add	*1,205.71*	
		For Automatic Roll Filter, Add	*1,311.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*573.38*	
		For Electric Heating Coil, Add	*994.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*994.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*889.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*784.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*655.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,205.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,100.32*	
		For Hot Water Heating Coil, Copper Fins, Add	*784.16*	
		For Variable Air Volume, Add	*295.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*965.10*	
		For 2 Coils, Independent Circuits, Add	*299.37*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,285.97	390.12
		For Flat Filter Box And Throwaway Filters, Add	*400.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*784.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,174.42*	
		For Manual Roll Filter, Add	*2,106.69*	
		For Automatic Roll Filter, Add	*2,293.15*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*987.96*	
		For Electric Heating Coil, Add	*1,733.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,733.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,547.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,360.87*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,146.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,106.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,920.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,360.87*	
		For Variable Air Volume, Add	*522.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,029.81*	
		For 2 Coils, Independent Circuits, Add	*503.18*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,884.11	418.98
		For Flat Filter Box And Throwaway Filters, Add	*458.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*899.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,345.53*	
		For Manual Roll Filter, Add	*2,416.94*	
		For Automatic Roll Filter, Add	*2,631.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,131.25*	
		For Electric Heating Coil, Add	*1,988.37*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,988.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,774.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,559.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,315.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,416.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,202.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,559.81*	
		For Variable Air Volume, Add	*599.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,058.95*	
		For 2 Coils, Independent Circuits, Add	*574.12*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,551.12	450.21
		For Flat Filter Box And Throwaway Filters, Add	*522.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,026.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,536.68*	
		For Manual Roll Filter, Add	*2,763.65*	
		For Automatic Roll Filter, Add	*3,009.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,291.29*	
		For Electric Heating Coil, Add	*2,272.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,272.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,027.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,782.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,504.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,763.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,518.26*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,782.08*	
		For Variable Air Volume, Add	*687.10*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,090.28*	
		For 2 Coils, Independent Circuits, Add	*653.27*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,343.91	484.34
		For Flat Filter Box And Throwaway Filters, Add	*599.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,178.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,764.95*	
		For Manual Roll Filter, Add	*3,178.15*	
		For Automatic Roll Filter, Add	*3,460.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,482.31*	
		For Electric Heating Coil, Add	*2,612.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,612.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,330.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,047.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,730.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,178.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,895.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,047.59*	
		For Variable Air Volume, Add	*791.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,123.78*	
		For 2 Coils, Independent Circuits, Add	*747.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,272.78	520.51
		For Flat Filter Box And Throwaway Filters, Add	*690.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,357.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,033.12*	
		For Manual Roll Filter, Add	*3,665.42*	
		For Automatic Roll Filter, Add	*3,991.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,706.66*	
		For Electric Heating Coil, Add	*3,012.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,012.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,686.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,359.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,995.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,665.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,338.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,359.58*	
		For Variable Air Volume, Add	*914.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,160.50*	
		For 2 Coils, Independent Circuits, Add	*857.86*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,984.23	559.58
		For Flat Filter Box And Throwaway Filters, Add	*758.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,493.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,235.73*	
		For Manual Roll Filter, Add	*4,032.35*	
		For Automatic Roll Filter, Add	*4,391.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,876.40*	
		For Electric Heating Coil, Add	*3,313.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,313.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,954.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,595.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,195.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,032.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,673.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,595.05*	
		For Variable Air Volume, Add	*1,006.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,198.40*	
		For 2 Coils, Independent Circuits, Add	*942.15*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,748.96	603.06
		For Flat Filter Box And Throwaway Filters, Add	*831.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,637.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,452.42*	
		For Manual Roll Filter, Add	*4,424.33*	
		For Automatic Roll Filter, Add	*4,818.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,058.04*	
		For Electric Heating Coil, Add	*3,635.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,635.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,241.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,846.80*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,409.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,424.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,029.95*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,846.80*	
		For Variable Air Volume, Add	*1,104.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,223.73*	
		For 2 Coils, Independent Circuits, Add	*1,032.65*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,600.09	646.55
		For Flat Filter Box And Throwaway Filters, Add	*913.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,799.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,695.29*	
		For Manual Roll Filter, Add	*4,864.39*	
		For Automatic Roll Filter, Add	*5,298.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,261.47*	
		For Electric Heating Coil, Add	*3,996.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,996.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,562.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,129.11*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,649.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,864.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,430.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,129.11*	
		For Variable Air Volume, Add	*1,214.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,258.03*	
		For 2 Coils, Independent Circuits, Add	*1,133.54*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,370.32	694.96
		For Flat Filter Box And Throwaway Filters, Add	*987.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,945.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,912.54*	
		For Manual Roll Filter, Add	*5,256.92*	
		For Automatic Roll Filter, Add	*5,725.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,443.66*	
		For Electric Heating Coil, Add	*4,319.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,319.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,850.29*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,381.41*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,862.90*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,256.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,788.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,381.41*	
		For Variable Air Volume, Add	*1,312.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,296.04*	
		For 2 Coils, Independent Circuits, Add	*1,224.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,190.61	747.79
		For Flat Filter Box And Throwaway Filters, Add	*1,065.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,099.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,143.55*	
		For Manual Roll Filter, Add	*5,674.17*	
		For Automatic Roll Filter, Add	*6,180.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,637.43*	
		For Electric Heating Coil, Add	*4,661.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,661.92*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,155.80*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,649.68*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,090.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,674.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,168.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,649.68*	
		For Variable Air Volume, Add	*1,417.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,337.48*	
		For 2 Coils, Independent Circuits, Add	*1,321.51*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,024.14	865.58
		For Flat Filter Box And Throwaway Filters, Add	*1,240.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,444.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,659.94*	
		For Manual Roll Filter, Add	*6,606.85*	
		For Automatic Roll Filter, Add	*7,196.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,070.56*	
		For Electric Heating Coil, Add	*5,428.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,428.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,838.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,249.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,598.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,606.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,017.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,249.32*	
		For Variable Air Volume, Add	*1,650.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,430.08*	
		For 2 Coils, Independent Circuits, Add	*1,538.17*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,598.88	930.20
		For Flat Filter Box And Throwaway Filters, Add	*1,293.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,546.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,813.82*	
		For Manual Roll Filter, Add	*6,881.23*	
		For Automatic Roll Filter, Add	*7,494.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,200.34*	
		For Electric Heating Coil, Add	*5,654.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,654.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,040.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,427.30*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,747.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,881.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,267.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,427.30*	
		For Variable Air Volume, Add	*1,717.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,481.08*	
		For 2 Coils, Independent Circuits, Add	*1,605.28*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,179.82	999.68
		For Flat Filter Box And Throwaway Filters, Add	*1,346.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,650.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,968.32*	
		For Manual Roll Filter, Add	*7,156.24*	
		For Automatic Roll Filter, Add	*7,793.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,330.73*	
		For Electric Heating Coil, Add	*5,881.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,881.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,243.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,605.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,896.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,156.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,518.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,605.90*	
		For Variable Air Volume, Add	*1,785.24*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,535.48*	
		For 2 Coils, Independent Circuits, Add	*1,673.02*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,452.62	1,154.11
		For Flat Filter Box And Throwaway Filters, Add	*1,462.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,876.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,305.93*	
		For Manual Roll Filter, Add	*7,756.77*	
		For Automatic Roll Filter, Add	*8,446.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,615.77*	
		For Electric Heating Coil, Add	*6,376.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,376.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,686.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,996.10*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,223.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,756.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,066.61*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,996.10*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,599.70*	
		For 2 Coils, Independent Circuits, Add	*1,821.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,452.62	1,154.11
		For Flat Filter Box And Throwaway Filters, Add	*1,462.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,876.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,305.93*	
		For Manual Roll Filter, Add	*7,756.77*	
		For Automatic Roll Filter, Add	*8,446.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,615.77*	
		For Electric Heating Coil, Add	*6,376.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,376.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,686.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,996.10*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,223.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,756.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,066.61*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,996.10*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,599.70*	
		For 2 Coils, Independent Circuits, Add	*1,821.33*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,836.78	1,325.60
		For Flat Filter Box And Throwaway Filters, Add	*1,588.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,121.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,672.22*	
		For Manual Roll Filter, Add	*8,407.89*	
		For Automatic Roll Filter, Add	*9,155.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,925.08*	
		For Electric Heating Coil, Add	*6,913.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,913.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,166.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,419.35*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,577.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,407.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,660.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,419.35*	
		For Variable Air Volume, Add	*2,091.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,697.64*	
		For 2 Coils, Independent Circuits, Add	*1,982.53*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,611.18	1,438.17
		For Flat Filter Box And Throwaway Filters, Add	*1,658.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,255.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,872.35*	
		For Manual Roll Filter, Add	*8,761.39*	
		For Automatic Roll Filter, Add	*9,539.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,094.54*	
		For Electric Heating Coil, Add	*7,205.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,205.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,427.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,650.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,769.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,761.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,983.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,650.16*	
		For Variable Air Volume, Add	*2,177.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,762.00*	
		For 2 Coils, Independent Circuits, Add	*2,072.24*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,377.03	1,545.04
		For Flat Filter Box And Throwaway Filters, Add	*1,727.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,388.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,071.63*	
		For Manual Roll Filter, Add	*9,114.05*	
		For Automatic Roll Filter, Add	*9,922.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,263.15*	
		For Electric Heating Coil, Add	*7,497.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,497.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,688.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,880.12*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,961.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,114.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,305.56*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,880.12*	
		For Variable Air Volume, Add	*2,263.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,822.95*	
		For 2 Coils, Independent Circuits, Add	*2,161.10*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,145.45	1,653.96
		For Flat Filter Box And Throwaway Filters, Add	*1,796.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,521.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,271.17*	
		For Manual Roll Filter, Add	*9,466.95*	
		For Automatic Roll Filter, Add	*10,306.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,432.01*	
		For Electric Heating Coil, Add	*7,788.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,788.64*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,949.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,110.33*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,153.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,466.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,627.80*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,110.33*	
		For Variable Air Volume, Add	*2,349.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,884.93*	
		For 2 Coils, Independent Circuits, Add	*2,250.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,027.69	1,780.33
		For Flat Filter Box And Throwaway Filters, Add	*1,875.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,674.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,499.62*	
		For Manual Roll Filter, Add	*9,870.69*	
		For Automatic Roll Filter, Add	*10,744.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,625.41*	
		For Electric Heating Coil, Add	*8,122.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,122.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,248.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,373.83*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,372.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,870.69*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,996.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,373.83*	
		For Variable Air Volume, Add	*2,447.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,957.37*	
		For 2 Coils, Independent Circuits, Add	*2,352.45*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,917.33	1,907.54
		For Flat Filter Box And Throwaway Filters, Add	*1,955.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,828.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,728.81*	
		For Manual Roll Filter, Add	*10,275.15*	
		For Automatic Roll Filter, Add	*11,184.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,819.54*	
		For Electric Heating Coil, Add	*8,456.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,456.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,547.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,638.08*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,592.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,275.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,365.89*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,638.08*	
		For Variable Air Volume, Add	*2,545.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,999.59*	
		For 2 Coils, Independent Circuits, Add	*2,455.44*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,822.22	2,054.18
		For Flat Filter Box And Throwaway Filters, Add	*2,035.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,982.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,959.52*	
		For Manual Roll Filter, Add	*10,681.15*	
		For Automatic Roll Filter, Add	*11,625.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,015.20*	
		For Electric Heating Coil, Add	*8,792.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,792.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,848.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,903.85*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,812.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,681.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,736.82*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,903.85*	
		For Variable Air Volume, Add	*2,644.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,060.72*	
		For 2 Coils, Independent Circuits, Add	*2,559.95*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,847.62	2,225.33
		For Flat Filter Box And Throwaway Filters, Add	*2,126.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,157.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,219.82*	
		For Manual Roll Filter, Add	*11,138.63*	
		For Automatic Roll Filter, Add	*12,122.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,236.05*	
		For Electric Heating Coil, Add	*9,171.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,171.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,187.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,203.58*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,061.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,138.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,154.87*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,203.58*	
		For Variable Air Volume, Add	*2,754.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,131.71*	
		For 2 Coils, Independent Circuits, Add	*2,678.27*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,858.99	2,375.91
		For Flat Filter Box And Throwaway Filters, Add	*2,216.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,330.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,478.71*	
		For Manual Roll Filter, Add	*11,594.71*	
		For Automatic Roll Filter, Add	*12,617.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,455.50*	
		For Electric Heating Coil, Add	*9,548.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,548.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,525.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,501.91*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,308.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,594.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,571.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,501.91*	
		For Variable Air Volume, Add	*2,864.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,198.49*	
		For 2 Coils, Independent Circuits, Add	*2,795.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,133.67	2,300.51
		For Flat Filter Box And Throwaway Filters, Add	*2,249.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,400.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,585.05*	
		For Manual Roll Filter, Add	*11,799.65*	
		For Automatic Roll Filter, Add	*12,842.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,542.13*	
		For Electric Heating Coil, Add	*9,713.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,713.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,670.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,627.97*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,421.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,799.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,756.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,627.97*	
		For Variable Air Volume, Add	*2,920.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,162.58*	
		For 2 Coils, Independent Circuits, Add	*2,830.54*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,898.25	2,552.34
		For Flat Filter Box And Throwaway Filters, Add	*2,307.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,505.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,740.38*	
		For Manual Roll Filter, Add	*12,053.58*	
		For Automatic Roll Filter, Add	*13,116.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,677.74*	
		For Electric Heating Coil, Add	*9,928.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,928.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,865.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,803.02*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,558.11*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,053.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,990.94*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,803.02*	
		For Variable Air Volume, Add	*2,975.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,273.64*	
		For 2 Coils, Independent Circuits, Add	*2,914.88*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,299.44	2,654.86
		For Flat Filter Box And Throwaway Filters, Add	*2,441.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,769.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,134.66*	
		For Manual Roll Filter, Add	*12,765.56*	
		For Automatic Roll Filter, Add	*13,891.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,008.48*	
		For Electric Heating Coil, Add	*10,513.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,513.20*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,387.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,260.84*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,945.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,765.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,639.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,260.84*	
		For Variable Air Volume, Add	*3,153.30*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,155.17*	
		For 2 Coils, Independent Circuits, Add	*3,080.42*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,736.90	2,757.68
		For Flat Filter Box And Throwaway Filters, Add	*2,576.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,034.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,532.56*	
		For Manual Roll Filter, Add	*13,481.15*	
		For Automatic Roll Filter, Add	*14,670.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,342.84*	
		For Electric Heating Coil, Add	*11,101.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,101.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,912.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,722.28*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,335.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,481.15*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,291.43*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,722.28*	
		For Variable Air Volume, Add	*3,331.21*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,188.51*	
		For 2 Coils, Independent Circuits, Add	*3,249.58*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,315.98	2,863.74
		For Flat Filter Box And Throwaway Filters, Add	*2,727.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,333.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,979.68*	
		For Manual Roll Filter, Add	*14,289.79*	
		For Automatic Roll Filter, Add	*15,551.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,717.66*	
		For Electric Heating Coil, Add	*11,765.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,765.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,503.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,241.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,775.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,289.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,027.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,241.71*	
		For Variable Air Volume, Add	*3,533.66*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,215.11*	
		For 2 Coils, Independent Circuits, Add	*3,436.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,927.45	2,969.92
		For Flat Filter Box And Throwaway Filters, Add	*2,880.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,634.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,430.05*	
		For Manual Roll Filter, Add	*15,101.67*	
		For Automatic Roll Filter, Add	*16,436.00*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,095.72*	
		For Electric Heating Coil, Add	*12,433.02*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,433.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,098.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,764.37*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,218.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,101.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,767.35*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,764.37*	
		For Variable Air Volume, Add	*3,736.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,248.19*	
		For 2 Coils, Independent Circuits, Add	*3,626.48*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	34,699.56	3,183.96
		For Flat Filter Box And Throwaway Filters, Add	*3,242.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,348.25*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,007.03*	
		For Manual Roll Filter, Add	*16,132.24*	
		For Automatic Roll Filter, Add	*17,036.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,484.79*	
		For Electric Heating Coil, Add	*7,087.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,514.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,007.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,499.61*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,764.64*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,529.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,021.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,007.03*	
		For Variable Air Volume, Add	*4,220.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,531.47*	
		For 2 Coils, Independent Circuits, Add	*4,072.92*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	38,661.37	3,431.45
		For Flat Filter Box And Throwaway Filters, Add	*3,620.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,092.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,301.52*	
		For Manual Roll Filter, Add	*18,037.59*	
		For Automatic Roll Filter, Add	*19,049.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,240.29*	
		For Electric Heating Coil, Add	*7,915.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,988.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,301.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,614.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,681.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,362.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,675.68*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,301.52*	
		For Variable Air Volume, Add	*4,723.82*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,595.97*	
		For 2 Coils, Independent Circuits, Add	*4,540.97*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	43,073.22	3,676.73
		For Flat Filter Box And Throwaway Filters, Add	*4,044.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,931.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,761.53*	
		For Manual Roll Filter, Add	*20,190.39*	
		For Automatic Roll Filter, Add	*21,324.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,089.01*	
		For Electric Heating Coil, Add	*8,845.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,652.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,761.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,870.69*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,717.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,434.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,543.21*	
		For Hot Water Heating Coil, Copper Fins, Add	*13,761.53*	
		For Variable Air Volume, Add	*5,294.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,654.87*	
		For 2 Coils, Independent Circuits, Add	*5,063.66*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,032.09	3,959.74
		For Flat Filter Box And Throwaway Filters, Add	*5,120.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,071.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*17,497.58*	
		For Manual Roll Filter, Add	*25,721.75*	
		For Automatic Roll Filter, Add	*27,173.08*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,240.96*	
		For Electric Heating Coil, Add	*11,208.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,916.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,497.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,078.71*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,377.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*24,754.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,335.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*17,497.58*	
		For Variable Air Volume, Add	*6,772.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,724.56*	
		For 2 Coils, Independent Circuits, Add	*6,370.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	60,720.91	4,226.44
		For Flat Filter Box And Throwaway Filters, Add	*5,770.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,359.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*19,743.99*	
		For Manual Roll Filter, Add	*29,040.88*	
		For Automatic Roll Filter, Add	*30,681.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,540.85*	
		For Electric Heating Coil, Add	*12,634.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,478.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,743.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,009.61*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*13,973.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*27,947.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,212.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*19,743.99*	
		For Variable Air Volume, Add	*7,656.26*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,670.00*	
		For 2 Coils, Independent Circuits, Add	*7,165.84*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	66,663.67	4,551.26
		For Flat Filter Box And Throwaway Filters, Add	*6,341.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,487.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,707.65*	
		For Manual Roll Filter, Add	*31,935.72*	
		For Automatic Roll Filter, Add	*33,740.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,682.88*	
		For Electric Heating Coil, Add	*13,886.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,715.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,707.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,699.39*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,366.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*30,732.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*27,724.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*21,707.65*	
		For Variable Air Volume, Add	*8,423.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,739.78*	
		For 2 Coils, Independent Circuits, Add	*7,869.67*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,229.12	6,080.21
		For Flat Filter Box And Throwaway Filters, Add	*6,969.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,727.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,865.03*	
		For Manual Roll Filter, Add	*35,113.68*	
		For Automatic Roll Filter, Add	*37,098.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,939.76*	
		For Electric Heating Coil, Add	*15,263.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,173.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,865.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,556.61*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,895.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,790.31*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,481.88*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,865.03*	
		For Variable Air Volume, Add	*9,263.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,824.09*	
		For 2 Coils, Independent Circuits, Add	*8,646.28*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	78,956.20	5,242.33
		For Flat Filter Box And Throwaway Filters, Add	*7,521.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,818.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,763.30*	
		For Manual Roll Filter, Add	*37,913.33*	
		For Automatic Roll Filter, Add	*40,057.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,042.69*	
		For Electric Heating Coil, Add	*16,472.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,336.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,763.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,189.77*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,241.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,483.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,910.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,763.30*	
		For Variable Air Volume, Add	*10,005.90*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,887.82*	
		For 2 Coils, Independent Circuits, Add	*9,325.03*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	85,205.62	5,608.01
		For Flat Filter Box And Throwaway Filters, Add	*8,118.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,996.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,812.40*	
		For Manual Roll Filter, Add	*40,930.85*	
		For Automatic Roll Filter, Add	*43,245.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,237.30*	
		For Electric Heating Coil, Add	*17,780.65*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,670.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,812.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*23,954.03*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,693.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,387.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,529.14*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,812.40*	
		For Variable Air Volume, Add	*10,803.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,834.78*	
		For 2 Coils, Independent Circuits, Add	*10,063.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	91,996.44	6,055.08
		For Flat Filter Box And Throwaway Filters, Add	*8,767.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,274.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,036.15*	
		For Manual Roll Filter, Add	*44,204.97*	
		For Automatic Roll Filter, Add	*46,705.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,534.25*	
		For Electric Heating Coil, Add	*19,201.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,203.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,036.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,868.85*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,269.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,538.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,370.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,036.15*	
		For Variable Air Volume, Add	*11,668.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,911.30*	
		For 2 Coils, Independent Circuits, Add	*10,866.56*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	95,803.49	6,339.48
		For Flat Filter Box And Throwaway Filters, Add	*9,128.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,985.56*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,271.34*	
		For Manual Roll Filter, Add	*46,021.22*	
		For Automatic Roll Filter, Add	*48,624.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,256.75*	
		For Electric Heating Coil, Add	*19,992.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,609.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,271.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,933.15*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,142.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*44,285.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,947.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*31,271.34*	
		For Variable Air Volume, Add	*12,146.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,959.94*	
		For 2 Coils, Independent Circuits, Add	*11,315.63*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	99,403.92	6,583.31
		For Flat Filter Box And Throwaway Filters, Add	*9,470.53*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,659.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,442.06*	
		For Manual Roll Filter, Add	*47,743.20*	
		For Automatic Roll Filter, Add	*50,443.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,941.06*	
		For Electric Heating Coil, Add	*20,741.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,942.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,442.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,941.73*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,971.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,943.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,442.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,442.06*	
		For Variable Air Volume, Add	*12,600.94*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,004.66*	
		For 2 Coils, Independent Circuits, Add	*11,740.53*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	107,284.81	7,030.33
		For Flat Filter Box And Throwaway Filters, Add	*10,226.09*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,150.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,037.73*	
		For Manual Roll Filter, Add	*51,568.03*	
		For Automatic Roll Filter, Add	*54,485.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,452.18*	
		For Electric Heating Coil, Add	*22,396.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*39,899.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,037.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,175.88*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*24,811.64*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*49,623.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*44,761.43*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,037.73*	
		For Variable Air Volume, Add	*13,613.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,085.98*	
		For 2 Coils, Independent Circuits, Add	*12,673.22*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	117,671.98	7,517.98
		For Flat Filter Box And Throwaway Filters, Add	*11,229.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,136.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*38,497.52*	
		For Manual Roll Filter, Add	*56,674.13*	
		For Automatic Roll Filter, Add	*59,881.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,459.33*	
		For Electric Heating Coil, Add	*24,597.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,843.58*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,497.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,151.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,267.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,535.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,189.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*38,497.52*	
		For Variable Air Volume, Add	*14,968.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,975.07*	
		For 2 Coils, Independent Circuits, Add	*13,905.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	129,224.18	8,127.55
		For Flat Filter Box And Throwaway Filters, Add	*12,341.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,335.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*42,325.77*	
		For Manual Roll Filter, Add	*62,320.05*	
		For Automatic Roll Filter, Add	*65,848.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*24,683.76*	
		For Electric Heating Coil, Add	*27,036.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,206.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,325.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*36,445.10*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*29,983.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*59,967.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,087.11*	
		For Hot Water Heating Coil, Copper Fins, Add	*42,325.77*	
		For Variable Air Volume, Add	*16,465.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,061.08*	
		For 2 Coils, Independent Circuits, Add	*15,274.69*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	142,021.42	8,818.39
		For Flat Filter Box And Throwaway Filters, Add	*13,571.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,763.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,552.40*	
		For Manual Roll Filter, Add	*68,550.57*	
		For Automatic Roll Filter, Add	*72,432.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*27,142.25*	
		For Electric Heating Coil, Add	*29,730.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*53,022.45*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*46,552.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,082.35*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*32,981.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,962.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*59,492.50*	
		For Hot Water Heating Coil, Copper Fins, Add	*46,552.40*	
		For Variable Air Volume, Add	*18,116.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,162.04*	
		For 2 Coils, Independent Circuits, Add	*16,790.16*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,055.83	731.36
		For Economizer, Panel, Controls And Damper(s), Add	*1,371.22*	
		For Flat Filter Box And Throwaway Filters, Add	*753.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,475.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,857.27*	
		For Manual Roll Filter, Add	*3,960.64*	
		For Automatic Roll Filter, Add	*3,960.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*805.58*	
		For Electric Heating Coil, Add	*945.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,259.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,259.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,960.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,960.64*	
		For 2 Coils, Independent Circuits, Add	*945.81*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,029.21	916.27
		For Economizer, Panel, Controls And Damper(s), Add	*1,556.29*	
		For Flat Filter Box And Throwaway Filters, Add	*937.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,835.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,310.95*	
		For Manual Roll Filter, Add	*4,927.02*	
		For Automatic Roll Filter, Add	*4,927.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,002.92*	
		For Electric Heating Coil, Add	*1,177.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,055.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,055.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,927.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,927.02*	
		For 2 Coils, Independent Circuits, Add	*1,177.33*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,698.62	975.19
		For Economizer, Panel, Controls And Damper(s), Add	*1,615.11*	
		For Flat Filter Box And Throwaway Filters, Add	*1,200.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,358.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,965.70*	
		For Manual Roll Filter, Add	*6,357.39*	
		For Automatic Roll Filter, Add	*6,357.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,269.86*	
		For Electric Heating Coil, Add	*1,495.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,226.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,226.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,357.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,357.39*	
		For 2 Coils, Independent Circuits, Add	*1,495.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,147.60	1,044.27
		For Economizer, Panel, Controls And Damper(s), Add	*1,684.00*	
		For Flat Filter Box And Throwaway Filters, Add	*1,240.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,435.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,063.19*	
		For Manual Roll Filter, Add	*6,560.04*	
		For Automatic Roll Filter, Add	*6,560.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,314.76*	
		For Electric Heating Coil, Add	*1,547.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,394.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,394.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,560.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,560.04*	
		For 2 Coils, Independent Circuits, Add	*1,547.88*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,577.92	1,119.45
		For Economizer, Panel, Controls And Damper(s), Add	*1,759.50*	
		For Flat Filter Box And Throwaway Filters, Add	*1,477.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,907.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,654.59*	
		For Manual Roll Filter, Add	*7,848.18*	
		For Automatic Roll Filter, Add	*7,848.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,557.79*	
		For Electric Heating Coil, Add	*1,837.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,450.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,450.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,848.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,848.18*	
		For 2 Coils, Independent Circuits, Add	*1,837.36*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,392.27	1,198.81
		For Economizer, Panel, Controls And Damper(s), Add	*1,838.76*	
		For Flat Filter Box And Throwaway Filters, Add	*1,553.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,055.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,841.19*	
		For Manual Roll Filter, Add	*8,245.12*	
		For Automatic Roll Filter, Add	*8,245.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,639.23*	
		For Electric Heating Coil, Add	*1,932.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,777.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,777.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,245.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,245.12*	
		For 2 Coils, Independent Circuits, Add	*1,932.82*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,253.18	1,280.03
		For Economizer, Panel, Controls And Damper(s), Add	*1,919.93*	
		For Flat Filter Box And Throwaway Filters, Add	*1,633.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,212.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,039.02*	
		For Manual Roll Filter, Add	*8,666.44*	
		For Automatic Roll Filter, Add	*8,666.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,725.32*	
		For Electric Heating Coil, Add	*2,033.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,123.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,123.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,666.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,666.44*	
		For 2 Coils, Independent Circuits, Add	*2,033.81*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,354.60	1,373.55
		For Economizer, Panel, Controls And Damper(s), Add	*1,826.89*	
		For Flat Filter Box And Throwaway Filters, Add	*1,837.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,616.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,544.95*	
		For Manual Roll Filter, Add	*9,763.94*	
		For Automatic Roll Filter, Add	*9,763.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,935.46*	
		For Electric Heating Coil, Add	*2,283.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,024.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,024.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,763.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,763.94*	
		For 2 Coils, Independent Circuits, Add	*2,283.39*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,207.09	1,470.97
		For Economizer, Panel, Controls And Damper(s), Add	*1,905.82*	
		For Flat Filter Box And Throwaway Filters, Add	*2,015.63*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,968.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,986.55*	
		For Manual Roll Filter, Add	*10,718.23*	
		For Automatic Roll Filter, Add	*10,718.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,120.71*	
		For Electric Heating Coil, Add	*2,502.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,807.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,807.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,718.23*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,718.23*	
		For 2 Coils, Independent Circuits, Add	*2,502.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,396.59	1,571.05
		For Economizer, Panel, Controls And Damper(s), Add	*1,981.62*	
		For Flat Filter Box And Throwaway Filters, Add	*2,127.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,188.21*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,263.25*	
		For Manual Roll Filter, Add	*11,310.44*	
		For Automatic Roll Filter, Add	*11,310.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,239.66*	
		For Electric Heating Coil, Add	*2,642.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,294.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,294.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,310.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,310.44*	
		For 2 Coils, Independent Circuits, Add	*2,642.80*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,791.04	1,678.45
		For Economizer, Panel, Controls And Damper(s), Add	*2,069.41*	
		For Flat Filter Box And Throwaway Filters, Add	*2,359.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,646.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,837.92*	
		For Manual Roll Filter, Add	*12,555.56*	
		For Automatic Roll Filter, Add	*12,555.56*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,479.10*	
		For Electric Heating Coil, Add	*2,926.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,316.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,316.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,555.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,555.56*	
		For 2 Coils, Independent Circuits, Add	*2,926.95*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,360.28	1,796.30
		For Economizer, Panel, Controls And Damper(s), Add	*2,161.26*	
		For Flat Filter Box And Throwaway Filters, Add	*2,507.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,938.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,205.18*	
		For Manual Roll Filter, Add	*13,343.49*	
		For Automatic Roll Filter, Add	*13,343.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,636.03*	
		For Electric Heating Coil, Add	*3,111.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,964.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,964.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,343.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,343.49*	
		For 2 Coils, Independent Circuits, Add	*3,111.92*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,945.01	1,950.61
		For Economizer, Panel, Controls And Damper(s), Add	*2,281.40*	
		For Flat Filter Box And Throwaway Filters, Add	*2,755.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,427.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,818.60*	
		For Manual Roll Filter, Add	*14,666.79*	
		For Automatic Roll Filter, Add	*14,666.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,894.50*	
		For Electric Heating Coil, Add	*3,417.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,050.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,050.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,666.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,666.79*	
		For 2 Coils, Independent Circuits, Add	*3,417.71*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,088.94	2,101.02
		For Economizer, Panel, Controls And Damper(s), Add	*2,400.11*	
		For Flat Filter Box And Throwaway Filters, Add	*2,958.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,827.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,322.21*	
		For Manual Roll Filter, Add	*15,748.83*	
		For Automatic Roll Filter, Add	*15,748.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,108.89*	
		For Electric Heating Coil, Add	*3,670.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,939.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,939.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,748.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,748.83*	
		For 2 Coils, Independent Circuits, Add	*3,670.67*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,510.60	2,271.65
		For Economizer, Panel, Controls And Damper(s), Add	*2,235.48*	
		For Flat Filter Box And Throwaway Filters, Add	*3,089.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,081.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,641.84*	
		For Manual Roll Filter, Add	*16,423.41*	
		For Automatic Roll Filter, Add	*16,423.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,251.06*	
		For Electric Heating Coil, Add	*3,836.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,496.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,496.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,423.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,423.41*	
		For 2 Coils, Independent Circuits, Add	*3,836.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,192.36	2,450.34
		For Economizer, Panel, Controls And Damper(s), Add	*2,341.00*	
		For Flat Filter Box And Throwaway Filters, Add	*3,444.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,783.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,522.72*	
		For Manual Roll Filter, Add	*18,329.67*	
		For Automatic Roll Filter, Add	*18,329.67*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,619.24*	
		For Electric Heating Coil, Add	*4,273.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,060.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,060.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,329.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,329.67*	
		For 2 Coils, Independent Circuits, Add	*4,273.03*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,999.43	2,641.34
		For Economizer, Panel, Controls And Damper(s), Add	*2,450.34*	
		For Flat Filter Box And Throwaway Filters, Add	*3,611.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,109.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,933.48*	
		For Manual Roll Filter, Add	*19,200.55*	
		For Automatic Roll Filter, Add	*19,200.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,799.94*	
		For Electric Heating Coil, Add	*4,484.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,778.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,778.19*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,200.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,200.55*	
		For 2 Coils, Independent Circuits, Add	*4,484.41*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,006.52	2,860.90
		For Economizer, Panel, Controls And Damper(s), Add	*2,569.58*	
		For Flat Filter Box And Throwaway Filters, Add	*3,796.95*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,471.69*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,390.54*	
		For Manual Roll Filter, Add	*20,170.30*	
		For Automatic Roll Filter, Add	*20,170.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,000.65*	
		For Electric Heating Coil, Add	*4,719.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,577.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,577.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,170.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,170.30*	
		For 2 Coils, Independent Circuits, Add	*4,719.30*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,143.93	3,088.29
		For Economizer, Panel, Controls And Damper(s), Add	*2,504.42*	
		For Flat Filter Box And Throwaway Filters, Add	*3,993.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,854.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,873.77*	
		For Manual Roll Filter, Add	*21,192.53*	
		For Automatic Roll Filter, Add	*21,192.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,214.39*	
		For Electric Heating Coil, Add	*4,968.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,419.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,419.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,192.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,192.53*	
		For 2 Coils, Independent Circuits, Add	*4,968.98*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,262.58	3,206.32
		For Economizer, Panel, Controls And Damper(s), Add	*2,557.38*	
		For Flat Filter Box And Throwaway Filters, Add	*4,096.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,055.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,126.96*	
		For Manual Roll Filter, Add	*21,728.35*	
		For Automatic Roll Filter, Add	*21,728.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,326.26*	
		For Electric Heating Coil, Add	*5,099.68*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,861.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,861.22*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,728.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,728.35*	
		For 2 Coils, Independent Circuits, Add	*5,099.68*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,354.69	3,320.74
		For Economizer, Panel, Controls And Damper(s), Add	*2,602.37*	
		For Flat Filter Box And Throwaway Filters, Add	*4,198.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,254.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,377.49*	
		For Manual Roll Filter, Add	*22,261.52*	
		For Automatic Roll Filter, Add	*22,261.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,435.47*	
		For Electric Heating Coil, Add	*5,227.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,300.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,300.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,261.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,261.52*	
		For 2 Coils, Independent Circuits, Add	*5,227.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,696.06	3,454.20
		For Economizer, Panel, Controls And Damper(s), Add	*2,389.56*	
		For Flat Filter Box And Throwaway Filters, Add	*4,822.22*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,496.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,931.85*	
		For Manual Roll Filter, Add	*25,656.33*	
		For Automatic Roll Filter, Add	*25,656.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,069.61*	
		For Electric Heating Coil, Add	*5,984.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,081.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,081.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,656.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,656.33*	
		For 2 Coils, Independent Circuits, Add	*5,984.57*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	57,015.58	3,591.04
		For Economizer, Panel, Controls And Damper(s), Add	*2,633.18*	
		For Flat Filter Box And Throwaway Filters, Add	*5,444.93*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,735.89*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*13,484.02*	
		For Manual Roll Filter, Add	*29,048.96*	
		For Automatic Roll Filter, Add	*29,048.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,701.56*	
		For Electric Heating Coil, Add	*6,739.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,860.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,860.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,048.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,048.96*	
		For 2 Coils, Independent Circuits, Add	*6,739.22*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	66,340.24	3,726.48
		For Economizer, Panel, Controls And Damper(s), Add	*2,666.11*	
		For Flat Filter Box And Throwaway Filters, Add	*6,367.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,576.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*15,786.97*	
		For Manual Roll Filter, Add	*34,092.85*	
		For Automatic Roll Filter, Add	*34,092.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,634.02*	
		For Electric Heating Coil, Add	*7,854.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,990.89*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,990.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,092.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*34,092.85*	
		For 2 Coils, Independent Circuits, Add	*7,854.42*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	75,667.58	3,860.58
		For Economizer, Panel, Controls And Damper(s), Add	*2,699.50*	
		For Flat Filter Box And Throwaway Filters, Add	*7,291.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,417.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,090.18*	
		For Manual Roll Filter, Add	*39,137.02*	
		For Automatic Roll Filter, Add	*39,137.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,566.76*	
		For Electric Heating Coil, Add	*8,969.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,121.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,121.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,137.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,137.02*	
		For 2 Coils, Independent Circuits, Add	*8,969.88*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	85,248.83	4,185.69
		For Economizer, Panel, Controls And Damper(s), Add	*2,781.17*	
		For Flat Filter Box And Throwaway Filters, Add	*8,225.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,309.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,415.49*	
		For Manual Roll Filter, Add	*32,306.10*	
		For Automatic Roll Filter, Add	*40,233.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,524.88*	
		For Electric Heating Coil, Add	*10,110.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,306.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,306.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,451.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,233.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,233.18*	
		For 2 Coils, Independent Circuits, Add	*10,110.30*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	91,915.77	4,551.43
		For Economizer, Panel, Controls And Damper(s), Add	*2,734.96*	
		For Flat Filter Box And Throwaway Filters, Add	*8,868.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,270.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,008.98*	
		For Manual Roll Filter, Add	*34,826.39*	
		For Automatic Roll Filter, Add	*43,371.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,191.58*	
		For Electric Heating Coil, Add	*10,900.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,826.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*34,826.39*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,736.52*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*43,371.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*43,371.33*	
		For 2 Coils, Independent Circuits, Add	*10,900.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	110,613.59	4,916.99
		For Economizer, Panel, Controls And Damper(s), Add	*2,818.40*	
		For Flat Filter Box And Throwaway Filters, Add	*10,710.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,030.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,600.00*	
		For Manual Roll Filter, Add	*42,138.64*	
		For Automatic Roll Filter, Add	*52,497.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,061.36*	
		For Electric Heating Coil, Add	*13,133.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*42,138.64*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,138.64*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,420.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*52,497.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*52,497.73*	
		For 2 Coils, Independent Circuits, Add	*13,133.18*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	125,514.41	5,323.54
		For Economizer, Panel, Controls And Damper(s), Add	*2,904.14*	
		For Flat Filter Box And Throwaway Filters, Add	*12,171.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,219.62*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,239.46*	
		For Manual Roll Filter, Add	*47,927.48*	
		For Automatic Roll Filter, Add	*59,719.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,551.44*	
		For Electric Heating Coil, Add	*14,909.84*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,927.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,927.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,343.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*59,719.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*59,719.50*	
		For 2 Coils, Independent Circuits, Add	*14,909.84*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	136,100.57	5,730.09
		For Economizer, Panel, Controls And Damper(s), Add	*2,993.41*	
		For Flat Filter Box And Throwaway Filters, Add	*13,200.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,759.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,796.73*	
		For Manual Roll Filter, Add	*51,983.40*	
		For Automatic Roll Filter, Add	*64,774.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,610.06*	
		For Electric Heating Coil, Add	*16,168.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*51,983.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*51,983.40*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,401.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*64,774.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*64,774.51*	
		For 2 Coils, Independent Circuits, Add	*16,168.28*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	151,546.73	6,705.05
		For Economizer, Panel, Controls And Damper(s), Add	*3,026.16*	
		For Flat Filter Box And Throwaway Filters, Add	*14,676.21*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,966.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,451.29*	
		For Manual Roll Filter, Add	*57,747.90*	
		For Automatic Roll Filter, Add	*71,945.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,154.67*	
		For Electric Heating Coil, Add	*17,994.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,747.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,747.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,352.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,945.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,945.64*	
		For 2 Coils, Independent Circuits, Add	*17,994.22*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	151,904.64	6,949.05
		For Economizer, Panel, Controls And Damper(s), Add	*3,070.90*	
		For Flat Filter Box And Throwaway Filters, Add	*14,694.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,991.52*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,487.08*	
		For Manual Roll Filter, Add	*57,783.69*	
		For Automatic Roll Filter, Add	*71,981.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,190.46*	
		For Electric Heating Coil, Add	*18,030.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,783.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,783.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,388.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,981.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,981.43*	
		For 2 Coils, Independent Circuits, Add	*18,030.01*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	159,010.85	7,192.65
		For Economizer, Panel, Controls And Damper(s), Add	*3,115.64*	
		For Flat Filter Box And Throwaway Filters, Add	*15,386.83*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,028.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*38,209.94*	
		For Manual Roll Filter, Add	*60,518.80*	
		For Automatic Roll Filter, Add	*75,391.38*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,901.09*	
		For Electric Heating Coil, Add	*18,875.60*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*60,518.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*60,518.80*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,773.66*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*75,391.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*75,391.38*	
		For 2 Coils, Independent Circuits, Add	*18,875.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	166,014.89	7,721.17
		For Economizer, Panel, Controls And Damper(s), Add	*3,207.86*	
		For Flat Filter Box And Throwaway Filters, Add	*16,050.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,020.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,850.29*	
		For Manual Roll Filter, Add	*63,099.10*	
		For Automatic Roll Filter, Add	*78,598.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,601.49*	
		For Electric Heating Coil, Add	*19,701.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*63,099.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*63,099.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,100.69*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*78,598.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*78,598.30*	
		For 2 Coils, Independent Circuits, Add	*19,701.33*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	179,346.92	8,127.55
		For Economizer, Panel, Controls And Damper(s), Add	*3,274.93*	
		For Flat Filter Box And Throwaway Filters, Add	*17,356.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,977.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,102.82*	
		For Manual Roll Filter, Add	*68,270.95*	
		For Automatic Roll Filter, Add	*85,049.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,934.69*	
		For Electric Heating Coil, Add	*21,290.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*68,270.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*68,270.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,713.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*85,049.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*85,049.70*	
		For 2 Coils, Independent Circuits, Add	*21,290.44*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	193,023.22	8,574.56
		For Economizer, Panel, Controls And Damper(s), Add	*3,126.49*	
		For Flat Filter Box And Throwaway Filters, Add	*18,689.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,972.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,416.07*	
		For Manual Roll Filter, Add	*73,529.81*	
		For Automatic Roll Filter, Add	*91,605.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,302.32*	
		For Electric Heating Coil, Add	*22,917.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*73,529.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*73,529.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,378.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*91,605.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*91,605.64*	
		For 2 Coils, Independent Circuits, Add	*22,917.49*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	208,216.12	9,102.85
		For Economizer, Panel, Controls And Damper(s), Add	*3,199.72*	
		For Flat Filter Box And Throwaway Filters, Add	*20,171.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*30,192.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*50,104.46*	
		For Manual Roll Filter, Add	*79,387.30*	
		For Automatic Roll Filter, Add	*98,909.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,821.61*	
		For Electric Heating Coil, Add	*24,725.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*79,387.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*79,387.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,343.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*98,909.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*98,909.20*	
		For 2 Coils, Independent Circuits, Add	*24,725.99*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	224,191.48	9,346.67
		For Economizer, Panel, Controls And Damper(s), Add	*3,232.87*	
		For Flat Filter Box And Throwaway Filters, Add	*21,752.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*32,562.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*54,048.56*	
		For Manual Roll Filter, Add	*85,677.98*	
		For Automatic Roll Filter, Add	*106,764.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,419.15*	
		For Electric Heating Coil, Add	*26,636.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*85,677.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*85,677.98*	
		For Steam Heating Coil, Aluminum Fins, Add	*43,505.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*106,764.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*106,764.26*	
		For 2 Coils, Independent Circuits, Add	*26,636.40*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,376.71	325.04
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,437.64	390.06
23 73 13 00-0091	EA	750 CFM Return Air Fan	4,637.49	406.31
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,355.28	430.70
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	5,504.82	451.02
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	5,614.12	471.33
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	5,890.04	495.72
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	6,607.82	520.10
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	6,923.85	544.49
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,079.21	568.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	7,447.31	629.83
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	7,614.38	662.34
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	7,775.51	690.79
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	7,982.75	723.35
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	8,155.44	759.92
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	8,443.73	849.33
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	9,513.69	1,007.81
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	9,778.30	1,024.07
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	9,904.35	1,028.13
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	10,490.33	1,044.39
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	10,746.84	1,056.58
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	11,329.12	1,097.39
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	12,160.52	1,117.48
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	13,934.08	1,149.24
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	15,267.43	1,210.95
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	18,476.00	1,263.66
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	19,386.55	1,307.72
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	20,316.70	1,345.10
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	21,434.43	1,479.22
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	22,955.94	1,560.37
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	26,142.58	1,625.34
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	31,034.69	1,787.89
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	38,492.75	2,031.72
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	47,515.62	2,105.04
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	49,809.04	2,165.82
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	50,938.04	2,222.71
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	53,443.99	2,320.18
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	56,138.30	2,434.44
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	60,490.82	2,553.85
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	63,134.60	2,689.23
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	65,076.96	2,842.37
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	70,123.00	2,972.48
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	75,588.51	3,114.65
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	81,516.32	3,271.57
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	89,436.14	3,445.84

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	1,488.56	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	2,019.27	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	2,511.94	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	4,583.20	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,937.74	1,163.57
		For High Heat, Add	*416.70*	
		For Unit Without Heat, Deduct	*-374.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*438.63*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,851.08	1,216.46
		For High Heat, Add	*496.77*	
		For Unit Without Heat, Deduct	*-423.65*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*522.91*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,426.90	1,269.34
		For High Heat, Add	*639.77*	
		For Unit Without Heat, Deduct	*-505.97*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*673.44*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,295.42	1,348.68
		For High Heat, Add	*807.23*	
		For Unit Without Heat, Deduct	*-604.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*849.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,196.71	1,428.02
		For High Heat, Add	*882.81*	
		For Unit Without Heat, Deduct	*-655.04*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*929.27*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	13,200.83	1,533.79
		For High Heat, Add	*1,059.80*	
		For Unit Without Heat, Deduct	*-762.29*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,115.58*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,134.40	1,613.13
		For High Heat, Add	*1,328.44*	
		For Unit Without Heat, Deduct	*-914.26*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,398.36*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	16,985.71	1,718.90
		For High Heat, Add	*1,395.91*	
		For Unit Without Heat, Deduct	*-963.88*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,469.38*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,193.47	1,857.48
		For High Heat, Add	*1,778.07*	
		For Unit Without Heat, Deduct	*-1,183.52*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,871.65*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,038.00	1,996.57
		For High Heat, Add	*1,935.71*	
		For Unit Without Heat, Deduct	*-1,285.01*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,037.59*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	26,526.27	2,135.32
		For High Heat, Add	*2,249.51*	
		For Unit Without Heat, Deduct	*-1,468.67*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,367.91*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,099.24	2,274.25
		For High Heat, Add	*2,571.36*	
		For Variable Volume, Add	*1,218.01*	
		For Unit Without Heat, Deduct	*-1,656.58*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,571.36*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	33,536.40	2,505.55
		For High Heat, Add	*2,868.58*	
		For Variable Volume, Add	*1,358.80*	
		For Unit Without Heat, Deduct	*-1,843.86*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,868.58*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,691.59	2,737.03
		For High Heat, Add	*3,044.01*	
		For Variable Volume, Add	*1,441.90*	
		For Unit Without Heat, Deduct	*-1,967.05*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*3,044.01*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,268.49	2,994.95
		For High Heat, Add	*3,256.16*	
		For Variable Volume, Add	*1,542.39*	
		For Unit Without Heat, Deduct	*-2,113.08*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*3,256.16*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,808.63	3,252.70
		For High Heat, Add	*3,559.81*	
		For Variable Volume, Add	*1,686.23*	
		For Unit Without Heat, Deduct	*-2,307.28*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*3,559.81*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	48,446.70	3,794.82
		For High Heat, Add	*4,121.76*	
		For Variable Volume, Add	*1,952.41*	
		For Unit Without Heat, Deduct	*-2,675.32*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*4,121.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	55,633.29	4,336.93
		For High Heat, Add	*4,735.82*	
		For Variable Volume, Add	*2,243.28*	
		For Unit Without Heat, Deduct	*-3,070.79*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*4,735.82*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,666.47	4,892.26
		For High Heat, Add	*5,143.63*	
		For Variable Volume, Add	*2,436.45*	
		For Unit Without Heat, Deduct	*-3,359.48*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*5,143.63*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	70,220.08	5,447.61
		For High Heat, Add	*5,980.88*	
		For Variable Volume, Add	*2,833.05*	
		For Unit Without Heat, Deduct	*-3,874.18*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*5,980.88*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	78,320.38	5,976.50
		For High Heat, Add	*6,683.41*	
		For Variable Volume, Add	*3,165.83*	
		For Unit Without Heat, Deduct	*-4,314.45*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*6,683.41*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	84,631.75	6,505.40
		For High Heat, Add	*7,216.00*	
		For Variable Volume, Add	*3,418.11*	
		For Unit Without Heat, Deduct	*-4,665.28*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*7,216.00*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	90,625.41	7,034.29
		For High Heat, Add	*7,718.40*	
		For Variable Volume, Add	*3,656.09*	
		For Unit Without Heat, Deduct	*-5,000.22*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*7,718.40*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	97,462.40	7,563.18
		For High Heat, Add	*8,300.92*	
		For Variable Volume, Add	*3,932.02*	
		For Unit Without Heat, Deduct	*-5,377.33*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*8,300.92*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	105,640.23	8,144.97
		For High Heat, Add	*9,004.13*	
		For Variable Volume, Add	*4,265.11*	
		For Unit Without Heat, Deduct	*-5,825.01*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*9,004.13*	

23 74 16 13-0027 Electric Cooling, Electric Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0028	EA	25 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	50,782.22	2,737.03
		For High Heat, Add	*4,477.62*	
		For Variable Volume, Add	*2,120.98*	
		For Unit Without Heat, Deduct	*-2,721.58*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*4,477.62*	
23 74 16 13-0029	EA	27.5 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	54,410.82	2,994.95
		For High Heat, Add	*4,789.68*	
		For Variable Volume, Add	*2,268.80*	
		For Unit Without Heat, Deduct	*-2,920.20*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*4,789.68*	
23 74 16 13-0030	EA	30 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	59,456.33	3,252.70
		For High Heat, Add	*5,236.34*	
		For Variable Volume, Add	*2,480.37*	
		For Unit Without Heat, Deduct	*-3,189.66*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*5,236.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0031	EA	35 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	68,880.25	3,794.82
		For High Heat, Add	*6,062.95*	
		For Variable Volume, Add	*2,871.92*	
		For Unit Without Heat, Deduct	*-3,697.00*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*6,062.95*	
23 74 16 13-0032	EA	40 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	79,111.01	4,336.93
		For High Heat, Add	*6,966.20*	
		For Variable Volume, Add	*3,299.78*	
		For Unit Without Heat, Deduct	*-4,244.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*6,966.20*	
23 74 16 13-0033	EA	45 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	86,165.90	4,892.26
		For High Heat, Add	*7,566.07*	
		For Variable Volume, Add	*3,583.93*	
		For Unit Without Heat, Deduct	*-4,634.45*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*7,566.07*	
23 74 16 13-0034	EA	50 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	99,870.17	5,447.61
		For High Heat, Add	*8,797.64*	
		For Variable Volume, Add	*4,167.30*	
		For Unit Without Heat, Deduct	*-5,356.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*8,797.64*	
23 74 16 13-0035	EA	55 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	111,453.27	5,976.50
		For High Heat, Add	*9,831.04*	
		For Variable Volume, Add	*4,656.81*	
		For Unit Without Heat, Deduct	*-5,971.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*9,831.04*	
23 74 16 13-0036	EA	60 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	120,404.93	6,505.40
		For High Heat, Add	*10,614.45*	
		For Variable Volume, Add	*5,027.90*	
		For Unit Without Heat, Deduct	*-6,453.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*10,614.45*	
23 74 16 13-0037	EA	65 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	128,889.25	7,034.29
		For High Heat, Add	*11,353.47*	
		For Variable Volume, Add	*5,377.96*	
		For Unit Without Heat, Deduct	*-6,913.42*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*11,353.47*	
23 74 16 13-0038	EA	70 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	138,614.08	7,563.18
		For High Heat, Add	*12,210.33*	
		For Variable Volume, Add	*5,783.84*	
		For Unit Without Heat, Deduct	*-7,434.92*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*12,210.33*	
23 74 16 13-0039	EA	75 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	150,278.02	8,144.97
		For High Heat, Add	*13,244.72*	
		For Variable Volume, Add	*6,273.81*	
		For Unit Without Heat, Deduct	*-8,056.90*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*13,244.72*	

23 74 16 13-0040 Electric Cooling, Gas Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0041	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,929.85	1,057.79
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*451.95*	
23 74 16 13-0042	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	6,948.40	1,216.46
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*532.65*	
23 74 16 13-0043	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,940.12	1,401.57
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*707.14*	
23 74 16 13-0044	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	10,261.42	1,507.35
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*825.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0045	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	11,721.55	1,626.35
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
		For High Efficiency, Add	*955.31*	
23 74 16 13-0046	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	13,988.16	1,705.68
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,171.39*	
23 74 16 13-0047	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	17,832.89	1,414.80
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,538.24*	
23 74 16 13-0048	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	18,335.01	1,904.02
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*1,579.63*	
23 74 16 13-0049	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	23,338.97	2,062.68
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,058.87*	
23 74 16 13-0050	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	25,418.72	2,221.36
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,245.69*	
23 74 16 13-0051	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	29,813.04	2,380.02
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*2,663.97*	
23 74 16 13-0052	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	38,422.73	2,538.69
		For Variable Volume, Add	*1,576.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*3,328.59*	
23 74 16 13-0053	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	47,310.17	2,803.14
		For Variable Volume, Add	*1,960.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*4,139.40*	
23 74 16 13-0054	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	56,197.61	3,032.33
		For Variable Volume, Add	*2,344.84*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*4,950.21*	
23 74 16 13-0055	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	57,673.22	3,332.04
		For Variable Volume, Add	*2,395.37*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*5,056.90*	
23 74 16 13-0056	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	60,055.55	3,596.48
		For Variable Volume, Add	*2,486.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*5,249.72*	
23 74 16 13-0057	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	66,599.43	4,204.71
		For Variable Volume, Add	*2,744.69*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*5,794.35*	
23 74 16 13-0058	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	73,828.33	4,812.93
		For Variable Volume, Add	*3,033.50*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*6,404.05*	
23 74 16 13-0059	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	79,630.40	5,421.16
		For Variable Volume, Add	*3,258.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*6,878.21*	
23 74 16 13-0060	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	84,704.60	6,029.39
		For Variable Volume, Add	*3,449.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*7,283.21*	
23 74 16 13-0061	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	93,154.08	6,637.62
		For Variable Volume, Add	*3,793.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*8,008.87*	
23 74 16 13-0062	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	101,212.90	7,245.84
		For Variable Volume, Add	*4,119.83*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*8,697.42*	
23 74 16 13-0063	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	109,597.08	7,549.96
		For Variable Volume, Add	*4,478.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*9,455.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0064	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	118,095.53	7,840.85
		For Variable Volume, Add	*4,843.85*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*10,225.90*	
23 74 16 13-0065	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	130,470.21	8,144.97
		For Variable Volume, Add	*5,382.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*11,362.97*	
23 74 16 13-0066	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	155,040.74	8,462.31
		For Variable Volume, Add	*6,469.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*13,656.98*	
23 74 16 13-0067	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	181,163.01	9,943.20
		For Variable Volume, Add	*7,555.74*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*15,951.01*	
23 74 16 13-0068	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	202,806.56	12,111.67
		For Variable Volume, Add	*8,399.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*17,732.48*	

23 74 16 13-0069 Electric Cooling, Gas Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0070	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	80,736.05	3,032.33
		For Variable Volume, Add	*3,449.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
		For High Efficiency, Add	*7,281.36*	
23 74 16 13-0071	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	82,740.50	3,332.04
		For Variable Volume, Add	*3,523.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*7,438.29*	
23 74 16 13-0072	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	86,078.67	3,596.48
		For Variable Volume, Add	*3,657.75*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*7,721.92*	
23 74 16 13-0073	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	95,322.29	4,204.71
		For Variable Volume, Add	*4,037.22*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
		For High Efficiency, Add	*8,523.02*	
23 74 16 13-0074	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	105,573.53	4,812.93
		For Variable Volume, Add	*4,462.03*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*9,419.85*	
23 74 16 13-0075	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	113,726.00	5,421.16
		For Variable Volume, Add	*4,792.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*10,117.29*	
23 74 16 13-0076	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	120,807.83	6,029.39
		For Variable Volume, Add	*5,074.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	
		For High Efficiency, Add	*10,713.02*	
23 74 16 13-0077	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	132,854.44	6,637.62
		For Variable Volume, Add	*5,580.19*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*11,780.41*	
23 74 16 13-0078	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	144,326.41	7,245.84
		For Variable Volume, Add	*6,059.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,473.40*	
		For High Efficiency, Add	*12,793.20*	
23 74 16 13-0079	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	156,467.91	7,549.96
		For Variable Volume, Add	*6,588.06*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*13,908.12*	
23 74 16 13-0080	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	168,785.81	7,840.85
		For Variable Volume, Add	*7,124.91*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,699.88*	
		For High Efficiency, Add	*15,041.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0081	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	186,797.00	8,144.97
		For Variable Volume, Add	*7,917.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*16,714.02*	
23 74 16 13-0082	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	222,739.02	8,462.31
		For Variable Volume, Add	*9,515.52*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*20,088.32*	
23 74 16 13-0083	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	260,232.93	9,943.20
		For Variable Volume, Add	*11,113.89*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*23,462.66*	
23 74 16 13-0084	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	290,707.28	12,111.67
		For Variable Volume, Add	*12,355.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,012.45*	
		For High Efficiency, Add	*26,083.05*	

23 74 16 13-0085 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0086 Packaged Rooftop Heat Pump Units *(23 74 16 13-0085)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0087	EA	2 Ton Packaged Rooftop Heat Pump	6,491.05	952.00
		For Economizer With Outside Air Control, Add	*1,731.23*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*261.09*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0088	EA	2.5 Ton Packaged Rooftop Heat Pump	6,815.79	1,023.45
		For Economizer With Outside Air Control, Add	*1,827.04*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*272.56*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0089	EA	3 Ton Packaged Rooftop Heat Pump	7,197.90	1,094.81
		For Economizer With Outside Air Control, Add	*1,934.89*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*286.91*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0090	EA	3.5 Ton Packaged Rooftop Heat Pump	7,721.17	1,178.09
		For Economizer With Outside Air Control, Add	*1,830.97*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*307.52*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0091	EA	4 Ton Packaged Rooftop Heat Pump	8,244.70	1,261.45
		For Economizer With Outside Air Control, Add	*1,956.62*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*328.14*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0092	EA	5 Ton Packaged Rooftop Heat Pump	8,832.56	1,356.65
		For Economizer With Outside Air Control, Add	*2,098.45*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*280.95*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0093	EA	6 Ton Packaged Rooftop Heat Pump	9,992.94	1,463.70
		For Economizer With Outside Air Control, Add	*2,342.83*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*241.24*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0094	EA	7.5 Ton Packaged Rooftop Heat Pump	13,159.65	1,535.13
		For Economizer With Outside Air Control, Add	*2,356.95*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*333.38*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0095	EA	8.5 Ton Packaged Rooftop Heat Pump	14,775.47	1,654.09
		For Economizer With Outside Air Control, Add	*2,485.44*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*377.10*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0096	EA	10 Ton Packaged Rooftop Heat Pump	15,944.28	1,713.62
		For Economizer With Outside Air Control, Add	*2,508.36*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.19*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0097	EA	12.5 Ton Packaged Rooftop Heat Pump	18,613.77	1,856.42
		For Economizer With Outside Air Control, Add	*2,851.47*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*322.77*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0098	EA	15 Ton Packaged Rooftop Heat Pump	21,283.25	1,999.22
		For Economizer With Outside Air Control, Add	*3,194.58*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*372.35*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0099	EA	17.5 Ton Packaged Rooftop Heat Pump	23,923.33	2,142.02
		For Economizer With Outside Air Control, Add	*3,534.74*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*421.35*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0100	EA	20 Ton Packaged Rooftop Heat Pump	26,563.43	2,284.82
		For Economizer With Outside Air Control, Add	*3,874.92*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*470.34*	
		For Unit Without Roof Curb, Deduct	*-851.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0101		**Heating Only Packaged Rooftop Units** *(23 74 16 13-0085)* Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0102	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	6,342.43	952.00
		For Gas Heat, Add	*418.58*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0103	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,470.59	1,094.81
		For Gas Heat, Add	*493.75*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0104	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	10,413.75	1,261.45
		For Gas Heat, Add	*695.32*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0105	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,801.27	1,356.65
		For Gas Heat, Add	*789.91*	
		For Unit Without Roof Curb, Deduct	*-709.51*	
23 74 16 13-0106	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,914.78	1,535.13
		For Gas Heat, Add	*933.10*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0107	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,733.73	1,654.09
		For Gas Heat, Add	*1,057.25*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0108	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	18,813.87	1,713.62
		For Gas Heat, Add	*1,271.27*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0109	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	24,618.27	1,999.22
		For Gas Heat, Add	*1,669.97*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0110	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	32,910.24	2,142.02
		For Gas Heat, Add	*2,246.60*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0111	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	38,588.81	2,284.82
		For Gas Heat, Add	*2,640.29*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0112	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	50,534.27	2,522.82
		For Gas Heat, Add	*3,470.12*	
		For Unit Without Roof Curb, Deduct	*-851.41*	
23 74 16 13-0113	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	63,322.85	3,210.39
		For Gas Heat, Add	*4,352.63*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
23 74 16 13-0114	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	70,879.33	3,236.83
		For Gas Heat, Add	*4,875.24*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
23 74 16 13-0115	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	86,427.24	3,784.27
		For Gas Heat, Add	*5,948.99*	
		For Unit Without Roof Curb, Deduct	*-1,250.15*	
23 74 16 13-0116	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	112,113.30	4,879.09
		For Gas Heat, Add	*7,717.82*	
		For Unit Without Roof Curb, Deduct	*-1,968.34*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001		**Make-Up Air Units** *(23 74 23 13)* Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1033 for crane lifting equipment.		
23 74 23 13-0002		**Gas-Fired Electric Spark Make-Up Air Units** *(23 74 23 13-0001)* Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1034 for crane lifting equipment.		
23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,672.77	317.34
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,443.16*	
		For Equipment Base Roof Curb, Add	*1,068.23*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,301.66	359.64
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,208.91*	
		For Equipment Base Roof Curb, Add	*1,394.55*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	15,886.75	423.11
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,554.47*	
		For Equipment Base Roof Curb, Add	*1,964.69*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	15,962.56	451.33
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,561.34*	
		For Equipment Base Roof Curb, Add	*1,972.58*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	22,037.07	507.74
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,357.25*	
		For Equipment Base Roof Curb, Add	*2,729.25*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	33,678.73	634.68
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,786.28*	
		For Equipment Base Roof Curb, Add	*4,178.11*	
23 74 23 13-0009		**Electric Make-Up Air Units** *(23 74 23 13-0001)* Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1034 for crane lifting equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	18,570.41	317.34
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,412.45*	
		For Equipment Base Roof Curb, Add	*2,305.43*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	26,748.59	359.64
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,842.99*	
		For Equipment Base Roof Curb, Add	*3,325.42*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	33,198.18	423.11
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,747.90*	
		For Equipment Base Roof Curb, Add	*4,128.62*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	43,033.23	507.74
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*12,656.10*	
		For Equipment Base Roof Curb, Add	*5,353.77*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	69,981.49	634.68
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*20,677.11*	
		For Equipment Base Roof Curb, Add	*8,715.95*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,272.72	183.62
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,510.00	214.22
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,035.57	244.82
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,193.51	275.43
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,544.95	306.03
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,722.24	336.62

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,912.99	210.49
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,005.99	217.30
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,503.93	301.78
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,008.71	356.24
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,428.30	521.52
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,728.39	556.28
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,733.65	625.82
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,288.72	782.27
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,910.26	1,022.59
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,199.13	1,043.03
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,688.26	1,158.95
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	15,230.64	1,810.84
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,322.94	1,889.56
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,429.56	1,975.43

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,928.02	114.76
		For >35 To 70, Deduct	*-50.96*	
		For >70 To 100, Deduct	*-84.93*	
		For >100, Deduct	*-118.90*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,048.37	160.65
		For >35 To 70, Deduct	*-51.82*	
		For >70 To 100, Deduct	*-86.37*	
		For >100, Deduct	*-120.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,165.98	171.21
		For >35 To 70, Deduct	*-54.69*	
		For >70 To 100, Deduct	*-91.16*	
		For >100, Deduct	*-127.62*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,342.44	184.03
		For >35 To 70, Deduct	*-59.24*	
		For >70 To 100, Deduct	*-98.73*	
		For >100, Deduct	*-138.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0007		Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*		
23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,100.89	142.55
		For >35 To 70, Deduct	*-54.49*	
		For >70 To 100, Deduct	*-90.81*	
		For >100, Deduct	*-127.14*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,201.97	160.65
		For >35 To 70, Deduct	*-56.43*	
		For >70 To 100, Deduct	*-94.05*	
		For >100, Deduct	*-131.67*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,277.28	171.21
		For >35 To 70, Deduct	*-58.03*	
		For >70 To 100, Deduct	*-96.72*	
		For >100, Deduct	*-135.41*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,489.37	184.03
		For >35 To 70, Deduct	*-63.64*	
		For >70 To 100, Deduct	*-106.07*	
		For >100, Deduct	*-148.50*	
23 81 13 11-0012		Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*		
		Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	91.92	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	105.20	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	118.49	
23 81 13 11-0016		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*		
		Note: Includes storage and cleaning.		
23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	122.41	
23 81 13 13		**Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)*		
23 81 13 13-0001		Single Package Vertical Wall Cooling Unit *(23 81 13 13)*		
		Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1034 for crane lifting equipment.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,045.84	138.89
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,600.20	145.50
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	11,338.48	152.12
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	13,062.50	165.35
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,421.23	191.80
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	17,541.30	238.10
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,410.07	264.56
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	21,368.20	297.63
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	23,988.94	357.16
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	31,047.17	443.14
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	36,884.25	595.26
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	51,964.52	727.54
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	59,807.77	866.44
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	71,634.39	972.26
23 81 16		**Room Air-Conditioners** *(23 81)*		
		Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		Window Unit, Room Air-Conditioners *(23 81 16)*		
23 81 16 00-0002		Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0003		Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	558.99	64.27
		For >10 To 50, Deduct	*-21.52*	
		For >50 To 75, Deduct	*-30.13*	
		For >75 To 100, Deduct	*-43.05*	
		For >100, Deduct	*-51.66*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	602.25	64.27
		For >10 To 50, Deduct	*-23.69*	
		For >50 To 75, Deduct	*-33.16*	
		For >75 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-56.85*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	710.40	64.27
		For >10 To 50, Deduct	*-29.09*	
		For >50 To 75, Deduct	*-40.73*	
		For >75 To 100, Deduct	*-58.19*	
		For >100, Deduct	*-69.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	861.82	64.27
		For >10 To 50, Deduct	*-36.66*	
		For >50 To 75, Deduct	*-51.33*	
		For >75 To 100, Deduct	*-73.33*	
		For >100, Deduct	*-87.99*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	1,056.50	64.27
		For >10 To 50, Deduct	*-46.40*	
		For >50 To 75, Deduct	*-64.96*	
		For >75 To 100, Deduct	*-92.80*	
		For >100, Deduct	*-111.36*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,272.81	64.27
		For >10 To 50, Deduct	*-57.21*	
		For >50 To 75, Deduct	*-80.10*	
		For >75 To 100, Deduct	*-114.43*	
		For >100, Deduct	*-137.31*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	1,186.29	64.27
		For >10 To 50, Deduct	*-52.89*	
		For >50 To 75, Deduct	*-74.04*	
		For >75 To 100, Deduct	*-105.78*	
		For >100, Deduct	*-126.93*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,294.44	64.27
		For >10 To 50, Deduct	*-58.30*	
		For >50 To 75, Deduct	*-81.61*	
		For >75 To 100, Deduct	*-116.59*	
		For >100, Deduct	*-139.91*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,380.96	64.27
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,467.49	64.27
		For >10 To 50, Deduct	*-66.95*	
		For >50 To 75, Deduct	*-93.73*	
		For >75 To 100, Deduct	*-133.90*	
		For >100, Deduct	*-160.68*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,640.54	64.27
		For >10 To 50, Deduct	*-75.60*	
		For >50 To 75, Deduct	*-105.84*	
		For >75 To 100, Deduct	*-151.20*	
		For >100, Deduct	*-181.44*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,662.17	64.27
		For >10 To 50, Deduct	*-76.68*	
		For >50 To 75, Deduct	*-107.35*	
		For >75 To 100, Deduct	*-153.36*	
		For >100, Deduct	*-184.04*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,899.19	64.27
		For >10 To 50, Deduct	*-88.53*	
		For >50 To 75, Deduct	*-123.95*	
		For >75 To 100, Deduct	*-177.07*	
		For >100, Deduct	*-212.48*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,319.19	64.27
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,451.62	64.27
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,511.81	64.27
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,535.89	64.27
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	1,752.59	64.27
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,294.35	64.27
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	2,474.93	64.27
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,715.71	64.27

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,380.96	64.27
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,618.91	64.27
		For >10 To 50, Deduct	*-74.52*	
		For >50 To 75, Deduct	*-104.33*	
		For >75 To 100, Deduct	*-149.04*	
		For >100, Deduct	*-178.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,748.69	64.27
		For >10 To 50, Deduct	*-81.01*	
		For >50 To 75, Deduct	*-113.41*	
		For >75 To 100, Deduct	*-162.02*	
		For >100, Deduct	*-194.42*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	2,224.57	64.27
		For >10 To 50, Deduct	*-104.80*	
		For >50 To 75, Deduct	*-146.72*	
		For >75 To 100, Deduct	*-209.60*	
		For >100, Deduct	*-251.52*	
23 81 16 00-0032		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,596.08	64.27
23 81 16 00-0034		Accessories *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	583.93	41.48
23 81 16 00-0036		Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*		
		Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	76.51	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	187.27	
23 81 16 00-0039		Through-The-Wall, Room Air-Conditioners *(23 81 16)*		
		Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0041		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	993.53	45.90
		For >10 To 50, Deduct	*-45.09*	
		For >50 To 75, Deduct	*-63.12*	
		For >75 To 100, Deduct	*-90.17*	
		For >100, Deduct	*-108.21*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,077.80	45.90
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,234.31	45.90
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,077.80	45.90
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,234.31	45.90
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 16 00-0047		Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0048		Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,270.43	45.90
		For >10 To 50, Deduct	*-58.93*	
		For >50 To 75, Deduct	*-82.50*	
		For >75 To 100, Deduct	*-117.86*	
		For >100, Deduct	*-141.43*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,366.74	45.90
		For >10 To 50, Deduct	*-63.75*	
		For >50 To 75, Deduct	*-89.25*	
		For >75 To 100, Deduct	*-127.49*	
		For >100, Deduct	*-152.99*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	41,731.69	1,306.35
		For Liebert Unit, Add	*4,971.25*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	46,072.71	1,428.83
		For Liebert Unit, Add	*5,489.70*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	69,819.06	1,632.94
		For Liebert Unit, Add	*8,423.79*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	74,421.21	1,735.00
		For Liebert Unit, Add	*8,980.08*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	79,023.36	1,837.06
		For Liebert Unit, Add	*9,536.38*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	92,888.46	2,204.47
		For Liebert Unit, Add	*11,195.26*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	105,126.06	2,449.41
		For Liebert Unit, Add	*12,685.37*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	116,323.30	2,530.20
		For Liebert Unit, Add	*14,067.61*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	126,204.98	2,612.71
		For Liebert Unit, Add	*15,285.20*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	136,292.31	2,939.29
		For Liebert Unit, Add	*16,490.07*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,920.38	895.12
		For Liebert Unit, Add	*2,965.86*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,738.52	991.51
		For Liebert Unit, Add	*3,177.06*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,673.57	1,510.23
		For Liebert Unit, Add	*3,832.49*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,228.98	1,530.12
		For Liebert Unit, Add	*4,023.63*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,532.56	1,591.32
		For Liebert Unit, Add	*4,175.33*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,213.84	1,744.33
		For Liebert Unit, Add	*4,236.01*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	38,354.46	1,897.35
		For Liebert Unit, Add	*4,478.72*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,987.23	816.47
		For Liebert Unit, Add	*2,220.88*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,961.91	857.30
		For Liebert Unit, Add	*2,460.05*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,514.42	898.12
		For Liebert Unit, Add	*3,271.53*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	29,625.18	979.76
		For Liebert Unit, Add	*3,519.24*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,189.84	1,020.71
		For Liebert Unit, Add	*3,707.16*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	32,754.52	1,061.41
		For Liebert Unit, Add	*3,895.08*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,973.24	1,143.06
		For Liebert Unit, Add	*4,031.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	35,442.26	1,224.71
		For Liebert Unit, Add	*4,202.59*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,438.31	1,306.35
		For Liebert Unit, Add	*4,312.68*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	41,496.95	1,551.29
		For Liebert Unit, Add	*4,897.32*	
23 81 23 12-0031	EA	30 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	49,860.04	1,701.00
		For Liebert Unit, Add	*5,913.73*	

23 81 23 12-0032 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0033	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	52,064.49	895.12
		For Drycooler, Add	*18,401.60*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	55,978.26	991.51
		For Drycooler, Add	*19,790.69*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	73,539.82	1,110.86
		For Drycooler, Add	*25,961.11*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	85,175.58	1,230.21
		For Drycooler, Add	*30,057.50*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	90,005.65	1,289.89
		For Drycooler, Add	*31,759.96*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	96,167.86	1,349.57
		For Drycooler, Add	*33,928.66*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	102,746.00	1,409.55
		For Drycooler, Add	*36,242.95*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	110,401.22	1,462.80
		For Drycooler, Add	*38,934.21*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	117,618.45	1,530.12
		For Drycooler, Add	*41,474.01*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	129,176.68	1,591.32
		For Drycooler, Add	*45,531.33*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	133,749.62	1,744.33
		For Drycooler, Add	*47,161.24*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0044	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	163,471.41	1,897.35
		For Drycooler, Add	*57,593.70*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0045 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	1,224.09	
23 81 23 12-0047	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,020.07	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,785.98	388.03
		For Liebert Unit, Add	*2,025.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,495.01	466.01
		For Liebert Unit, Add	*2,224.54*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,034.44	583.22
		For Liebert Unit, Add	*2,520.01*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	25,907.71	680.41
		For Liebert Unit, Add	*3,110.96*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,451.52	739.54
		For Liebert Unit, Add	*4,292.84*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,204.13	201.98
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,372.35	220.34
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,029.44	244.82
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,361.09	269.30
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,478.89	293.79
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,468.20	306.03
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,120.09	326.22

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	924.97	97.93
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	972.82	104.05
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,021.78	110.17
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,172.87	116.29
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,256.62	122.41
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,835.01	146.89
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,140.54	159.13
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	5,174.25	171.38

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,920.28	293.79
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,212.81	350.70
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,959.85	367.22

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,483.93	244.82
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,091.63	269.30
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,813.16	318.26
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,763.94	350.70
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,735.42	367.22

23 81 26 13-0030 Ductless Split System Accessories *(23 81 26 13-0002)*

23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	12.19	0.88
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	16.27	0.97
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	20.76	1.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.83	1.64
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.69	1.80
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.20	1.99
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.08	3.29
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	92.76	3.61
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.78	3.97
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	72.59	3.50
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	86.05	3.85
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	139.30	4.24
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.08	3.29
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	92.76	3.61
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.78	3.97
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	63.68	5.48
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.06	6.02
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	121.72	6.62
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.97	1.10
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.68	3.29
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	70.44	3.61
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	34.72	3.29
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	50.60	3.61
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	54.18	3.97
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	209.16	4.38
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	237.77	4.82
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	84.45	16.42
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	95.21	17.51
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	148.13	18.61
23 81 26 13-0060	EA	End Cap, Set of 4	24.77	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	186.43	32.85
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	197.30	35.04
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.01	0.09
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.13	0.09
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	855.59	75.42
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	886.63	81.07
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,078.36	86.74
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,244.73	92.39
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,466.52	96.16
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,654.49	99.94
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,776.70	107.47
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,776.75	113.13
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,084.88	77.31
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,265.48	81.64
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,466.65	86.74
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,518.77	89.86
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,589.62	94.27
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,599.51	99.17
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,609.22	104.08
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	924.20	77.31
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,125.54	86.74
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,313.35	94.27
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,606.41	104.08
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		
23 81 26 16-0002		Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	19,195.73	321.32
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	20,726.78	382.53
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	23,263.64	459.03
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	28,868.59	474.33
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	38,759.65	489.64
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	40,198.89	504.94
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	41,638.14	520.24
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	44,083.19	550.84
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	46,528.24	581.44
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	52,163.80	612.05
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	57,799.36	642.65
23 81 26 16-0014		Indoor Units *(23 81 26 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,824.27	99.46
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,911.81	107.11
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,987.31	114.76
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,080.86	122.41
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,223.09	145.36
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,449.22	175.97
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,652.00	191.27
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,729.07	109.41
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,812.12	117.82
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,961.39	126.24
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,219.01	134.65
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,353.78	159.90
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,637.82	193.56
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,829.23	201.98
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	4,044.71	210.39
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,490.12	231.43
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,981.88	254.57
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,381.93	280.03
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,936.88	308.03
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,901.46	338.83
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	3,097.44	126.24
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,262.35	134.65
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,400.73	159.90
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,777.48	193.56
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,065.18	210.39
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	5,037.92	231.43
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,795.29	109.41
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,932.52	117.82
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,154.02	126.24
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,315.33	134.65
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,547.25	117.82
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,672.44	126.24
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,803.64	134.65

23 81 26 16-0048 Controllers For Outdoor Units *(23 81 26 16-0001)*

23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	10,597.91	91.81
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	12,253.86	107.11
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	13,530.56	122.41
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	16,077.45	137.71
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,883.38	61.21
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	9,068.87	91.81
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	13,868.18	137.71

23 81 26 16-0056 Energy Recovery Units *(23 81 26 16-0001)*

23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	7,431.48	91.81
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	14,270.00	91.81
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	14,439.05	107.11
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,861.93	76.51
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,692.76	79.57
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,433.31	82.63
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	8,232.12	91.81

23 81 26 16-0064 Piping Specialties *(23 81 26 16-0001)*

23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	1,071.53	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	237.10	28.63
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	237.10	28.63
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	264.95	30.14
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	338.71	33.90
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	435.06	48.98
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	713.61	97.95
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	138.49	12.06
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	151.14	16.58

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0001		**Single Package Thru-Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-1034 for crane lifting equipment.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,204.69	99.21
		For Unit Economizer, Add	*300.98*	
		For >35 To 70, Deduct	*-60.39*	
		For >70 To 100, Deduct	*-100.64*	
		For >100, Deduct	*-140.90*	
		For Low Ambient Protection, 0 Degree F, Add	*229.11*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,441.57	105.83
		For Unit Economizer, Add	*333.62*	
		For >35 To 70, Deduct	*-67.10*	
		For >70 To 100, Deduct	*-111.83*	
		For >100, Deduct	*-156.56*	
		For Low Ambient Protection, 0 Degree F, Add	*252.55*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,320.27	105.83
		For Unit Economizer, Add	*596.64*	
		For >35 To 70, Deduct	*-123.46*	
		For >70 To 100, Deduct	*-205.76*	
		For >100, Deduct	*-288.07*	
		For Low Ambient Protection, 0 Degree F, Add	*421.63*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,736.07	105.83
		For Unit Economizer, Add	*654.32*	
		For >35 To 70, Deduct	*-135.53*	
		For >70 To 100, Deduct	*-225.89*	
		For >100, Deduct	*-316.25*	
		For Low Ambient Protection, 0 Degree F, Add	*190.10*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,375.54	112.44
		For Unit Economizer, Add	*743.32*	
		For >35 To 70, Deduct	*-154.32*	
		For >70 To 100, Deduct	*-257.20*	
		For >100, Deduct	*-360.08*	
		For Low Ambient Protection, 0 Degree F, Add	*212.19*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,643.92	119.06
		For Unit Economizer, Add	*780.89*	
		For >35 To 70, Deduct	*-162.37*	
		For >70 To 100, Deduct	*-270.62*	
		For >100, Deduct	*-378.87*	
		For Low Ambient Protection, 0 Degree F, Add	*761.49*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,372.84	119.06
		For Unit Economizer, Add	*882.41*	
		For >35 To 70, Deduct	*-183.84*	
		For >70 To 100, Deduct	*-306.41*	
		For >100, Deduct	*-428.97*	
		For Low Ambient Protection, 0 Degree F, Add	*857.84*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,050.42	125.67
		For Unit Economizer, Add	*977.01*	
		For >35 To 70, Deduct	*-203.97*	
		For >70 To 100, Deduct	*-339.95*	
		For >100, Deduct	*-475.94*	
		For Low Ambient Protection, 0 Degree F, Add	*946.71*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,118.92	145.50
		For Unit Economizer, Add	*1,125.01*	
		For >35 To 70, Deduct	*-234.84*	
		For >70 To 100, Deduct	*-391.40*	
		For >100, Deduct	*-547.95*	
		For Low Ambient Protection, 0 Degree F, Add	*1,090.38*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,066.99	171.96
		For Unit Economizer, Add	*2,095.36*	
		For >35 To 70, Deduct	*-441.49*	
		For >70 To 100, Deduct	*-735.82*	
		For >100, Deduct	*-1,030.15*	
		For Low Ambient Protection, 0 Degree F, Add	*2,000.77*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,409.01	218.26
		For Unit Economizer, Add	*2,699.54*	
		For >35 To 70, Deduct	*-568.98*	
		For >70 To 100, Deduct	*-948.29*	
		For >100, Deduct	*-1,327.61*	
		For Low Ambient Protection, 0 Degree F, Add	*300.44*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	23,749.47	244.72
		For Unit Economizer, Add	*3,305.35*	
		For >35 To 70, Deduct	*-697.80*	
		For >70 To 100, Deduct	*-1,163.00*	
		For >100, Deduct	*-1,628.20*	
		For Low Ambient Protection, 0 Degree F, Add	*354.96*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,355.62	277.79
		For Unit Economizer, Add	*4,087.83*	
		For >35 To 70, Deduct	*-864.20*	
		For >70 To 100, Deduct	*-1,440.33*	
		For >100, Deduct	*-2,016.47*	
		For Low Ambient Protection, 0 Degree F, Add	*425.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	39,242.70	297.63
		For Unit Economizer, Add	*5,470.17*	
		For >35 To 70, Deduct	*-1,159.42*	
		For >70 To 100, Deduct	*-1,932.37*	
		For >100, Deduct	*-2,705.32*	
		For Low Ambient Protection, 0 Degree F, Add	*535.29*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	47,347.16	324.09
		For Unit Economizer, Add	*6,602.68*	
		For >35 To 70, Deduct	*-1,400.97*	
		For >70 To 100, Deduct	*-2,334.95*	
		For >100, Deduct	*-3,268.93*	
		For Low Ambient Protection, 0 Degree F, Add	*629.03*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1034 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,405.02	132.28
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,178.93	145.50
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,476.86	152.12
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,297.79	165.35
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,905.88	191.80
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,425.48	218.26
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,127.36	244.72
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,279.03	271.17
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,551.22	324.09

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,632.20	64.27
		For >10 To 50, Deduct	*-75.18*	
		For >50 To 75, Deduct	*-105.26*	
		For >75 To 100, Deduct	*-150.37*	
		For >100, Deduct	*-180.44*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	1,848.90	64.27
		For >10 To 50, Deduct	*-86.02*	
		For >50 To 75, Deduct	*-120.43*	
		For >75 To 100, Deduct	*-172.04*	
		For >100, Deduct	*-206.44*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	2,173.96	64.27
		For >10 To 50, Deduct	*-102.27*	
		For >50 To 75, Deduct	*-143.18*	
		For >75 To 100, Deduct	*-204.54*	
		For >100, Deduct	*-245.45*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,535.13	64.27
		For >10 To 50, Deduct	*-120.33*	
		For >50 To 75, Deduct	*-168.46*	
		For >75 To 100, Deduct	*-240.66*	
		For >100, Deduct	*-288.79*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,655.68	45.90
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	1,655.68	45.90
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*325.11*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,351.98	150.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,537.50	150.84
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,429.31	165.93
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,752.19	181.01
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,235.85	196.09
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,585.29	211.17
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,739.13	226.26
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,552.61	241.35
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,201.17	256.43
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,334.42	271.51

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Split System Heat Pump *(23 81 49)*

See CSI section 23 23 16 00-0001 for piping.

23 81 49 00-0002 Air-Cooled, Outdoor Section *(23 81 49 00-0001)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0003	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,749.40	196.44
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*831.21*	
		For Winterstart Control, Add	*207.83*	
		For 15 SEER, Add	*801.32*	
		For 16 SEER, Add	*1,291.01*	
		For 18 SEER, Add	*1,958.78*	
23 81 49 00-0004	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	4,869.23	218.26
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*854.23*	
		For Winterstart Control, Add	*214.61*	
		For 15 SEER, Add	*816.94*	
		For 16 SEER, Add	*1,316.17*	
		For 18 SEER, Add	*1,996.95*	
23 81 49 00-0005	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,293.13	253.32
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*930.52*	
		For Winterstart Control, Add	*234.74*	
		For 15 SEER, Add	*883.71*	
		For 16 SEER, Add	*1,423.76*	
		For 18 SEER, Add	*2,160.18*	
23 81 49 00-0006	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,751.37	291.02
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*747.49*	
		For Winterstart Control, Add	*256.51*	
		For 15 SEER, Add	*955.88*	
		For 16 SEER, Add	*1,540.02*	
		For 18 SEER, Add	*2,336.58*	
23 81 49 00-0007	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,929.85	302.26
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*771.11*	
		For Winterstart Control, Add	*264.67*	
		For 15 SEER, Add	*984.95*	
		For 16 SEER, Add	*1,586.87*	
		For 18 SEER, Add	*2,407.67*	
23 81 49 00-0008	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	6,602.28	347.23
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*856.76*	
		For Winterstart Control, Add	*293.85*	
		For 15 SEER, Add	*1,099.12*	
		For 16 SEER, Add	*1,770.81*	
		For 18 SEER, Add	*2,686.74*	
23 81 49 00-0009	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	7,540.45	381.96
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*486.15*	
		For Winterstart Control, Add	*124.51*	
		For 15 SEER, Add	*1,259.06*	
		For 16 SEER, Add	*2,028.49*	
		For 18 SEER, Add	*3,077.71*	
23 81 49 00-0010	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	7,534.57	428.43
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*499.14*	
		For Winterstart Control, Add	*130.43*	
23 81 49 00-0011	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	10,535.57	514.12
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*264.51*	
		For Winterstart Control, Add	*171.56*	
23 81 49 00-0012	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	13,972.59	599.81
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*294.30*	
		For Winterstart Control, Add	*216.66*	
23 81 49 00-0013	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	25,736.86	642.65
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*310.07*	
		For Winterstart Control, Add	*339.98*	

23 81 49 00-0014 Indoor Section, Horizontal Upflow *(23 81 49 00-0001)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,277.16	65.49
		For Additional 5 KW Electric Heat, Add	*121.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,389.73	81.59
		For Additional 5 KW Electric Heat, Add	*130.81*	
23 81 49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,423.95	98.54
		For Additional 5 KW Electric Heat, Add	*132.52*	
23 81 49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,954.47	115.37
		For Additional 5 KW Electric Heat, Add	*183.90*	
23 81 49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	1,983.95	130.06
		For Additional 5 KW Electric Heat, Add	*185.37*	
23 81 49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,190.99	149.34
		For Additional 5 KW Electric Heat, Add	*204.17*	
23 81 49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	4,822.95	244.82
		For Additional 5 KW Electric Heat, Add	*457.81*	
23 81 49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,282.07	275.43
		For Additional 5 KW Electric Heat, Add	*700.67*	
23 81 49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,376.95	306.03
		For Additional 5 KW Electric Heat, Add	*1,007.09*	
23 81 49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	11,755.09	367.22
		For Additional 5 KW Electric Heat, Add	*1,138.78*	

23 81 49 00-0025 Ductless Split System Heat Pumps *(23 81 49 00-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

23 81 49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,428.57	201.98
23 81 49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,679.83	220.34
23 81 49 00-0029	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,316.72	244.82
23 81 49 00-0030	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,838.02	269.30
23 81 49 00-0031	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,657.69	293.79
23 81 49 00-0032	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,638.77	306.03
23 81 49 00-0033	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,305.25	326.22

23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0035	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	974.35	97.93
23 81 49 00-0036	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,023.31	104.05
23 81 49 00-0037	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,073.40	110.17
23 81 49 00-0038	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,241.32	116.29
23 81 49 00-0039	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,323.95	122.41
23 81 49 00-0040	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,250.22	146.89
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,886.80	159.13
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	6,528.73	171.38

23 81 49 00-0043 Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

Note: Excludes hangers.

23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,099.83	293.79
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,397.97	350.70
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,072.07	367.22

23 81 49 00-0047 Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

Note: Excludes hangers.

23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,932.80	244.82
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,469.80	269.30
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,992.71	318.26
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,949.10	350.70
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,847.63	367.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001 Chilled Water Cooling Coils *(23 82 16 11)*

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*

23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,104.47	37.71
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,528.11	51.29
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,713.02	80.70
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,633.20	115.39
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,917.11	141.80
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,581.98	171.96
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,003.84	199.11
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,523.96	351.76
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,830.54	133.72
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,089.59	227.70
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,793.03	282.83
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,349.41	341.58
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,976.37	397.77

23 82 16 11-0016 4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*

23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,595.15	78.44
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,207.26	113.13
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,659.51	188.56
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,816.29	279.81
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,837.21	343.16
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,289.86	419.33
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,270.13	503.05
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,836.81	585.57
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,437.55	252.74
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,084.70	380.12
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,897.33	471.38
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,802.01	567.91
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,662.88	663.92

23 82 16 11-0030 6 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*

23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,692.99	99.55
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,277.88	147.83
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,703.95	251.90
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,661.96	377.10
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,126.02	471.38
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,400.06	579.98
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,236.38	685.58
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,263.41	798.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,991.59	345.35
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,050.60	517.99
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,155.97	648.62
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,224.26	779.17
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,302.22	906.48
23 82 16 11-0044		8 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,627.89	119.92
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,569.05	184.03
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,173.10	328.08
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,676.47	503.05
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,756.41	629.00
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,755.06	754.20
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	17,035.63	837.92
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,942.51	971.94
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,055.35	420.85
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,406.90	632.70
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,684.24	788.15
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,884.75	942.76
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,143.73	1,109.13
23 82 16 11-0058		Hot Water Heating Coils *(23 82 16 11)*		
		Note: Flanged construction.		
23 82 16 11-0059		1 Row Hot Water Heating Coils *(23 82 16 11-0058)*		
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,551.06	101.82
		For 10 Fins Per Inch, Add	*26.94*	
		For 12 Fins Per Inch, Add	*67.36*	
		For 230 PSIG Heavy-Duty, Add	*330.60*	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,342.13	130.48
		For 10 Fins Per Inch, Add	*41.64*	
		For 12 Fins Per Inch, Add	*104.10*	
		For 230 PSIG Heavy-Duty, Add	*494.43*	
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,808.62	179.50
		For 10 Fins Per Inch, Add	*48.99*	
		For 12 Fins Per Inch, Add	*122.47*	
		For 230 PSIG Heavy-Duty, Add	*597.64*	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,258.48	251.90
		For 10 Fins Per Inch, Add	*55.11*	
		For 12 Fins Per Inch, Add	*137.78*	
		For 230 PSIG Heavy-Duty, Add	*701.98*	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,665.21	301.68
		For 10 Fins Per Inch, Add	*61.24*	
		For 12 Fins Per Inch, Add	*153.09*	
		For 230 PSIG Heavy-Duty, Add	*793.38*	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,244.71	377.10
		For 10 Fins Per Inch, Add	*69.81*	
		For 12 Fins Per Inch, Add	*174.53*	
		For 230 PSIG Heavy-Duty, Add	*924.36*	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,757.18	418.58
		For 10 Fins Per Inch, Add	*78.38*	
		For 12 Fins Per Inch, Add	*195.96*	
		For 230 PSIG Heavy-Duty, Add	*1,035.24*	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	5,944.68	486.69
		For 10 Fins Per Inch, Add	*99.35*	
		For 12 Fins Per Inch, Add	*248.39*	
		For 230 PSIG Heavy-Duty, Add	*1,286.63*	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,566.64	210.88
		For 10 Fins Per Inch, Add	*42.90*	
		For 12 Fins Per Inch, Add	*107.24*	
		For 230 PSIG Heavy-Duty, Add	*555.51*	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,849.92	316.39
		For 10 Fins Per Inch, Add	*64.34*	
		For 12 Fins Per Inch, Add	*160.86*	
		For 230 PSIG Heavy-Duty, Add	*833.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,782.95	478.54
		For 10 Fins Per Inch, Add	*96.52*	
		For 12 Fins Per Inch, Add	*241.29*	
		For 230 PSIG Heavy-Duty, Add	*1,252.30*	
23 82 16 11-0071	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,739.21	554.57
		For 10 Fins Per Inch, Add	*112.60*	
		For 12 Fins Per Inch, Add	*281.50*	
		For 230 PSIG Heavy-Duty, Add	*1,458.75*	
23 82 16 11-0072	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	302.36	27.91
		For 10 Fins Per Inch, Add	*4.93*	
		For 12 Fins Per Inch, Add	*12.33*	
		For 230 PSIG Heavy-Duty, Add	*66.05*	

23 82 16 11-0073 2 Row Hot Water Heating Coils *(23 82 16 11-0058)*

23 82 16 11-0074	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,578.41	125.95
		For 10 Fins Per Inch, Add	*46.54*	
		For 12 Fins Per Inch, Add	*116.35*	
		For 230 PSIG Heavy-Duty, Add	*540.82*	
23 82 16 11-0075	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,723.44	167.43
		For 10 Fins Per Inch, Add	*47.76*	
		For 12 Fins Per Inch, Add	*119.41*	
		For 230 PSIG Heavy-Duty, Add	*578.21*	
23 82 16 11-0076	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,625.90	251.90
		For 10 Fins Per Inch, Add	*62.46*	
		For 12 Fins Per Inch, Add	*156.15*	
		For 230 PSIG Heavy-Duty, Add	*775.46*	
23 82 16 11-0077	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,270.04	359.00
		For 10 Fins Per Inch, Add	*71.04*	
		For 12 Fins Per Inch, Add	*177.59*	
		For 230 PSIG Heavy-Duty, Add	*925.84*	
23 82 16 11-0078	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,867.71	443.47
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,062.27*	
23 82 16 11-0079	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,057.84	538.50
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,119.31*	
23 82 16 11-0080	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	5,666.08	629.00
		For 10 Fins Per Inch, Add	*88.18*	
		For 12 Fins Per Inch, Add	*220.45*	
		For 230 PSIG Heavy-Duty, Add	*1,258.92*	
23 82 16 11-0081	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	7,050.35	730.82
		For 10 Fins Per Inch, Add	*111.77*	
		For 12 Fins Per Inch, Add	*279.44*	
		For 230 PSIG Heavy-Duty, Add	*1,556.23*	
23 82 16 11-0082	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,043.50	315.33
		For 10 Fins Per Inch, Add	*48.26*	
		For 12 Fins Per Inch, Add	*120.64*	
		For 230 PSIG Heavy-Duty, Add	*671.76*	
23 82 16 11-0083	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,566.82	473.71
		For 10 Fins Per Inch, Add	*72.39*	
		For 12 Fins Per Inch, Add	*180.97*	
		For 230 PSIG Heavy-Duty, Add	*1,008.11*	
23 82 16 11-0084	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,857.41	714.23
		For 10 Fins Per Inch, Add	*108.58*	
		For 12 Fins Per Inch, Add	*271.45*	
		For 230 PSIG Heavy-Duty, Add	*1,514.32*	
23 82 16 11-0085	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,002.48	834.30
		For 10 Fins Per Inch, Add	*126.68*	
		For 12 Fins Per Inch, Add	*316.69*	
		For 230 PSIG Heavy-Duty, Add	*1,767.36*	

23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,107.65	95.79
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,744.51	95.03
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,394.29	101.82
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,957.28	110.87
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,967.52	116.15
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,836.07	122.18
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,989.50	137.27
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,512.99	153.86
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,185.43	184.03
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,755.42	193.08
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,735.92	204.39
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,091.44	279.81
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	13,949.58	343.16
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,323.80	359.00
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,178.50	418.58

23 82 16 12 Steam Air Coils *(23 82 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0001		Steam Heating Coils *(23 82 16 12)* Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,569.06	70.89
		For 2 Row Coil, Add	*798.91*	
		For 4 Row Coil, Add	*2,115.87*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,797.43	98.05
		For 2 Row Coil, Add	*878.41*	
		For 4 Row Coil, Add	*2,322.18*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,559.34	175.73
		For 2 Row Coil, Add	*1,137.96*	
		For 4 Row Coil, Add	*2,998.31*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,405.10	251.90
		For 2 Row Coil, Add	*1,422.09*	
		For 4 Row Coil, Add	*3,740.29*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,852.52	301.68
		For 2 Row Coil, Add	*1,576.43*	
		For 4 Row Coil, Add	*4,141.46*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,350.24	377.10
		For 2 Row Coil, Add	*1,755.91*	
		For 4 Row Coil, Add	*4,604.50*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	5,867.63	418.58
		For 2 Row Coil, Add	*1,927.89*	
		For 4 Row Coil, Add	*5,054.45*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,352.19	488.50
		For 2 Row Coil, Add	*2,401.05*	
		For 4 Row Coil, Add	*6,301.84*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,174.33	210.88
		For 2 Row Coil, Add	*1,036.66*	
		For 4 Row Coil, Add	*2,720.85*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,761.48	316.39
		For 2 Row Coil, Add	*1,554.99*	
		For 4 Row Coil, Add	*4,081.25*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,140.59	473.71
		For 2 Row Coil, Add	*2,331.68*	
		For 4 Row Coil, Add	*6,119.89*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,334.43	554.57
		For 2 Row Coil, Add	*2,722.15*	
		For 4 Row Coil, Add	*7,144.47*	
23 82 16 13		**Refrigerant Air Coils** *(23 82 16)*		
23 82 16 13-0001		Direct Expansion Cooling Coils *(23 82 16 13)* Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002		2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,015.67	56.56
		For 10 Fins Per Inch, Add	*38.05*	
		For 12 Fins Per Inch, Add	*95.11*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,960.02	77.69
		For 10 Fins Per Inch, Add	*76.09*	
		For 12 Fins Per Inch, Add	*190.23*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,422.71	122.18
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,471.93	175.73
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,493.83	214.95
		For 10 Fins Per Inch, Add	*141.26*	
		For 12 Fins Per Inch, Add	*353.14*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,336.36	260.20
		For 10 Fins Per Inch, Add	*156.32*	
		For 12 Fins Per Inch, Add	*390.81*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,549.63	301.68
		For 10 Fins Per Inch, Add	*178.93*	
		For 12 Fins Per Inch, Add	*447.31*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,043.37	351.76
		For 10 Fins Per Inch, Add	*226.80*	
		For 12 Fins Per Inch, Add	*566.99*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,627.14	133.72
		For 10 Fins Per Inch, Add	*87.19*	
		For 12 Fins Per Inch, Add	*217.98*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,838.40	227.70
		For 10 Fins Per Inch, Add	*107.66*	
		For 12 Fins Per Inch, Add	*269.15*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,052.25	341.58
		For 10 Fins Per Inch, Add	*127.38*	
		For 12 Fins Per Inch, Add	*318.45*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,656.07	397.77
		For 10 Fins Per Inch, Add	*137.21*	
		For 12 Fins Per Inch, Add	*343.03*	
23 82 16 13-0015		4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,387.20	78.44
		For 10 Fins Per Inch, Add	*64.60*	
		For 12 Fins Per Inch, Add	*161.50*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,839.53	113.13
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,498.24	188.56
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,809.86	279.81
		For 10 Fins Per Inch, Add	*145.02*	
		For 12 Fins Per Inch, Add	*362.56*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,972.71	343.16
		For 10 Fins Per Inch, Add	*165.74*	
		For 12 Fins Per Inch, Add	*414.35*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,631.83	419.33
		For 10 Fins Per Inch, Add	*195.88*	
		For 12 Fins Per Inch, Add	*489.69*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,741.13	503.05
		For 10 Fins Per Inch, Add	*214.71*	
		For 12 Fins Per Inch, Add	*536.78*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,212.73	585.57
		For 10 Fins Per Inch, Add	*200.83*	
		For 12 Fins Per Inch, Add	*502.08*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,379.43	252.74
		For 10 Fins Per Inch, Add	*137.48*	
		For 12 Fins Per Inch, Add	*343.70*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,247.65	380.12
		For 10 Fins Per Inch, Add	*169.75*	
		For 12 Fins Per Inch, Add	*424.37*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,705.04	668.60
		For 10 Fins Per Inch, Add	*247.36*	
		For 12 Fins Per Inch, Add	*618.39*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,654.45	779.17
		For 10 Fins Per Inch, Add	*281.92*	
		For 12 Fins Per Inch, Add	*704.81*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,342.01	98.80
		For 10 Fins Per Inch, Add	*82.87*	
		For 12 Fins Per Inch, Add	*207.18*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,910.15	147.83
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,000.63	251.90
		For 10 Fins Per Inch, Add	*129.96*	
		For 12 Fins Per Inch, Add	*324.89*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,758.76	377.10
		For 10 Fins Per Inch, Add	*160.09*	
		For 12 Fins Per Inch, Add	*400.23*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,584.12	471.38
		For 10 Fins Per Inch, Add	*212.83*	
		For 12 Fins Per Inch, Add	*532.07*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,025.90	579.98
		For 10 Fins Per Inch, Add	*237.31*	
		For 12 Fins Per Inch, Add	*593.28*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,120.29	685.58
		For 10 Fins Per Inch, Add	*274.98*	
		For 12 Fins Per Inch, Add	*687.45*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,956.85	798.93
		For 10 Fins Per Inch, Add	*247.18*	
		For 12 Fins Per Inch, Add	*617.95*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,150.81	345.35
		For 10 Fins Per Inch, Add	*169.20*	
		For 12 Fins Per Inch, Add	*423.01*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,481.92	517.99
		For 10 Fins Per Inch, Add	*208.92*	
		For 12 Fins Per Inch, Add	*522.30*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,905.01	772.76
		For 10 Fins Per Inch, Add	*247.19*	
		For 12 Fins Per Inch, Add	*617.98*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,126.45	906.48
		For 10 Fins Per Inch, Add	*266.27*	
		For 12 Fins Per Inch, Add	*665.67*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,418.85	119.17
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,394.87	184.03
		For 10 Fins Per Inch, Add	*120.54*	
		For 12 Fins Per Inch, Add	*301.35*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,366.68	328.08
		For 10 Fins Per Inch, Add	*174.22*	
		For 12 Fins Per Inch, Add	*435.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,211.99	503.05
		For 10 Fins Per Inch, Add	*224.13*	
		For 12 Fins Per Inch, Add	*560.32*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,582.25	629.00
		For 10 Fins Per Inch, Add	*266.50*	
		For 12 Fins Per Inch, Add	*666.26*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,858.33	754.20
		For 10 Fins Per Inch, Add	*307.00*	
		For 12 Fins Per Inch, Add	*767.50*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	19,474.39	837.92
		For 10 Fins Per Inch, Add	*355.97*	
		For 12 Fins Per Inch, Add	*889.92*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,847.63	971.94
		For 10 Fins Per Inch, Add	*278.08*	
		For 12 Fins Per Inch, Add	*695.19*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,359.48	420.85
		For 10 Fins Per Inch, Add	*190.35*	
		For 12 Fins Per Inch, Add	*475.89*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,017.14	632.70
		For 10 Fins Per Inch, Add	*235.03*	
		For 12 Fins Per Inch, Add	*587.58*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,809.01	952.25
		For 10 Fins Per Inch, Add	*278.09*	
		For 12 Fins Per Inch, Add	*695.22*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,196.00	1,109.13
		For 10 Fins Per Inch, Add	*299.56*	
		For 12 Fins Per Inch, Add	*748.89*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	561.51	47.13
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	569.36	50.80
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	578.63	55.70
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	581.75	57.53
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	589.76	61.21
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	598.97	66.10
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	695.91	74.06
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	703.37	77.73
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	709.48	80.18
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	718.43	85.08
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	795.21	89.97
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	812.63	98.54
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	829.94	107.11
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	850.91	115.68
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,274.90	161.58
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,544.73	171.99
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,778.38	197.08
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,316.16	218.50
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,459.80	237.48
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,790.31	260.74
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,752.25	278.49
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,236.55	299.30
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,450.74	323.16
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,294.48	351.31

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,001.05	67.33
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,023.60	73.45
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,037.09	73.45
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,118.31	80.79
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,174.95	80.79
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,205.10	80.79
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,255.93	89.97
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,296.03	100.99
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,326.18	100.99
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,489.86	115.68
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,971.65	115.68
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,088.94	125.47
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,483.42	134.65
23 82 16 14-0041	EA	35 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,677.61	134.65
23 82 16 14-0042	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,001.88	134.65
23 82 16 14-0043	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,287.32	140.77
23 82 16 14-0044	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,467.08	140.77

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0002		**Horizontal Fan Coil Units With Electric Heating Coil** *(23 82 19 00-0001)*		
23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,871.24	122.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.16*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,255.34	142.55
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.23*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,885.82	160.65
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.05*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,467.53	184.03
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.40*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,080.51	193.08
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.01*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,646.22	204.39
		For 2-Way Valve Instead Of 3-Way, Deduct	*-95.58*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,870.47	221.74
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.27*	
23 82 19 00-0010		**Horizontal Fan Coil Units With Hot Water Heating Coil** *(23 82 19 00-0001)*		
23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,332.77	122.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.16*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,864.83	142.55
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.23*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,046.20	160.65
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.05*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,516.22	184.03
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.40*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,958.12	193.83
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.01*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,404.17	204.39
		For 2-Way Valve Instead Of 3-Way, Deduct	*-95.58*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,076.36	221.74
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.27*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,827.54	230.04
		For 2-Way Valve Instead Of 3-Way, Deduct	*-99.50*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,248.84	239.46
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.92*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,274.47	248.89
		For 2-Way Valve Instead Of 3-Way, Deduct	*-102.33*	
23 82 19 00-0021		**Floor Mounted Vertical Fan Coil Units** *(23 82 19)*		
		Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0022		**Vertical Fan Coil Units With Electric Heating Coil** *(23 82 19 00-0021)*		
23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,756.98	121.43
		For Fan Coil Units Without Cabinet, Deduct	*-389.22*	
		For Thru-Wall Sleeve, Add	*103.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.16*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,141.08	142.55
		For Fan Coil Units Without Cabinet, Deduct	*-442.70*	
		For Thru-Wall Sleeve, Add	*111.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.23*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,748.69	160.65
		For Fan Coil Units Without Cabinet, Deduct	*-530.21*	
		For Thru-Wall Sleeve, Add	*119.19*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.05*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,309.84	184.03
		For Fan Coil Units Without Cabinet, Deduct	*-609.69*	
		For Thru-Wall Sleeve, Add	*128.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.40*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,899.99	193.83
		For Fan Coil Units Without Cabinet, Deduct	*-696.32*	
		For Thru-Wall Sleeve, Add	*132.35*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.01*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,406.26	204.39
		For Fan Coil Units Without Cabinet, Deduct	*-920.17*	
		For Thru-Wall Sleeve, Add	*136.54*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-95.58*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,584.82	221.74
		For Fan Coil Units Without Cabinet, Deduct	*-1,093.36*	
		For Thru-Wall Sleeve, Add	*143.73*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.27*	
23 82 19 00-0030		**Vertical Fan Coil Units With Hot Water Heating Coil** *(23 82 19 00-0021)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,154.81	121.43
		For Fan Coil Units Without Cabinet, Deduct	*-598.89*	
		For Thru-Wall Sleeve, Add	*103.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-47.16*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,665.51	142.55
		For Fan Coil Units Without Cabinet, Deduct	*-671.37*	
		For Thru-Wall Sleeve, Add	*111.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-49.23*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,797.06	160.65
		For Fan Coil Units Without Cabinet, Deduct	*-837.47*	
		For Thru-Wall Sleeve, Add	*119.19*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-51.05*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,626.34	184.03
		For Fan Coil Units Without Cabinet, Deduct	*-957.16*	
		For Thru-Wall Sleeve, Add	*128.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.40*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,427.50	193.83
		For Fan Coil Units Without Cabinet, Deduct	*-1,075.45*	
		For Thru-Wall Sleeve, Add	*132.35*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-94.01*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,013.02	204.39
		For Fan Coil Units Without Cabinet, Deduct	*-1,311.19*	
		For Thru-Wall Sleeve, Add	*136.54*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-95.58*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,613.60	221.74
		For Fan Coil Units Without Cabinet, Deduct	*-1,547.68*	
		For Thru-Wall Sleeve, Add	*143.73*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-98.27*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,665.77	230.04
		For Fan Coil Units Without Cabinet, Deduct	*-1,703.86*	
		For Thru-Wall Sleeve, Add	*147.01*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-99.50*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,925.29	239.46
		For Fan Coil Units Without Cabinet, Deduct	*-1,890.90*	
		For Thru-Wall Sleeve, Add	*150.78*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-100.92*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,802.76	239.46
		For Fan Coil Units Without Cabinet, Deduct	*-2,020.64*	
		For Thru-Wall Sleeve, Add	*154.55*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-102.33*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	320.67

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	22.61
23 82 29 00-0003	EA	Cap Radiator	47.66

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	55.75
		For Wall Support Bracket, Add	*24.32*
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	82.71
		For Wall Support Bracket, Add	*25.29*
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	97.51
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	125.16
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	75.05

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	133.85	3.32
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	80.84	3.32

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	70.28	3.32
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	43.78	3.32

23 82 29 00-0016 Removal And Reinstallation Of Radiator *(23 82 29)*

Note: Includes storage and cleaning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	56.56	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	37.71	

23 82 33 Convectors *(23 82)*

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System *(23 82 33)*

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	571.31	82.96
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*43.71*	
		For Snap-On Inlet Grille, Add	*35.14*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*155.96*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	681.77	90.50
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*47.14*	
		For Snap-On Inlet Grille, Add	*37.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	781.02	107.10
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*54.64*	
		For Snap-On Inlet Grille, Add	*42.42*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*216.62*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	939.60	124.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*62.56*	
		For Snap-On Inlet Grille, Add	*47.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*262.87*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,119.38	149.33
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*73.86*	
		For Snap-On Inlet Grille, Add	*55.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*312.61*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,263.77	164.27
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*80.64*	
		For Snap-On Inlet Grille, Add	*59.76*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*355.24*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,458.64	199.11
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*96.47*	
		For Snap-On Inlet Grille, Add	*70.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*404.97*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,599.30	211.56
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*102.14*	
		For Snap-On Inlet Grille, Add	*74.09*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*447.60*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,738.47	236.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*113.44*	
		For Snap-On Inlet Grille, Add	*81.62*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*483.12*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,918.30	261.33
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*124.76*	
		For Snap-On Inlet Grille, Add	*89.17*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*532.85*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,057.49	286.22
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*136.07*	
		For Snap-On Inlet Grille, Add	*96.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0014		**26" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	658.80	109.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*55.10*	
		For Snap-On Inlet Grille, Add	*42.73*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.30*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	775.22	126.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*63.02*	
		For Snap-On Inlet Grille, Add	*48.01*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*204.80*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	943.33	148.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*72.94*	
		For Snap-On Inlet Grille, Add	*54.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.07*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,115.90	166.00
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*80.63*	
		For Snap-On Inlet Grille, Add	*59.75*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*303.50*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,310.96	186.66
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*89.93*	
		For Snap-On Inlet Grille, Add	*65.95*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*360.92*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,474.97	202.20
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*96.94*	
		For Snap-On Inlet Grille, Add	*70.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*410.14*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,681.85	230.41
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.79*	
		For Snap-On Inlet Grille, Add	*79.19*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*467.56*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,843.34	244.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*116.05*	
		For Snap-On Inlet Grille, Add	*83.37*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*516.78*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,993.16	266.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*125.84*	
		For Snap-On Inlet Grille, Add	*89.89*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*557.79*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,190.19	288.26
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*135.74*	
		For Snap-On Inlet Grille, Add	*96.49*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*615.21*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,337.07	308.09
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*144.64*	
		For Snap-On Inlet Grille, Add	*102.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*656.23*	
23 82 33 00-0026		**32" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	745.65	132.74
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*66.30*	
		For Snap-On Inlet Grille, Add	*50.20*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	886.95	160.65
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*78.99*	
		For Snap-On Inlet Grille, Add	*58.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*225.28*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,076.59	187.79
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*91.32*	
		For Snap-On Inlet Grille, Add	*66.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*277.27*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,263.06	204.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*98.76*	
		For Snap-On Inlet Grille, Add	*71.84*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*333.85*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,468.16	220.53
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*106.15*	
		For Snap-On Inlet Grille, Add	*76.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*397.01*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,647.12	236.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*113.44*	
		For Snap-On Inlet Grille, Add	*81.62*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*451.15*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,857.91	256.36
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*122.54*	
		For Snap-On Inlet Grille, Add	*87.69*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*514.31*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,037.63	272.80
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*130.05*	
		For Snap-On Inlet Grille, Add	*92.70*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.45*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,193.68	291.20
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*138.19*	
		For Snap-On Inlet Grille, Add	*98.13*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*613.56*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,401.25	308.62
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*146.33*	
		For Snap-On Inlet Grille, Add	*103.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*676.73*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,552.39	323.56
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.00*	
		For Snap-On Inlet Grille, Add	*108.00*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*721.84*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	623.49	65.48
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	702.75	65.48

23 82 33 00-0042 6" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	739.32	65.48
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	861.25	65.48
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	967.93	65.48
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,135.58	65.48

23 82 36 Finned-Tube Radiation Heaters *(23 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0001		**Finned Tube Baseboard Units** *(23 82 36)* Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002		**3/4" IPS Steel Tube With Steel Fins** *(23 82 36 00-0001)*		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	315.59	29.41
		For 90 Degree Corner, Add	*38.46*	
		For Valve Enclosure, Add	*38.46*	
		For Filler Piece, Add	*31.46*	
		For End Cap, Add	*26.50*	
		For Copper Tube With Aluminum Fins, Add	*9.53*	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	431.34	44.50
		For 90 Degree Corner, Add	*44.28*	
		For Valve Enclosure, Add	*44.28*	
		For Filler Piece, Add	*37.28*	
		For End Cap, Add	*30.28*	
		For Copper Tube With Aluminum Fins, Add	*14.30*	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	535.13	58.83
		For 90 Degree Corner, Add	*47.71*	
		For Valve Enclosure, Add	*47.71*	
		For Filler Piece, Add	*40.71*	
		For End Cap, Add	*32.51*	
		For Copper Tube With Aluminum Fins, Add	*19.06*	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	666.25	82.36
		For 90 Degree Corner, Add	*57.06*	
		For Valve Enclosure, Add	*57.06*	
		For Filler Piece, Add	*50.06*	
		For End Cap, Add	*38.59*	
		For Copper Tube With Aluminum Fins, Add	*23.70*	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	795.85	98.95
		For 90 Degree Corner, Add	*66.56*	
		For Valve Enclosure, Add	*66.56*	
		For Filler Piece, Add	*59.56*	
		For End Cap, Add	*44.77*	
		For Copper Tube With Aluminum Fins, Add	*28.22*	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	917.31	105.59
		For 90 Degree Corner, Add	*70.34*	
		For Valve Enclosure, Add	*70.34*	
		For Filler Piece, Add	*63.34*	
		For End Cap, Add	*47.22*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,010.56	116.68
		For 90 Degree Corner, Add	*76.67*	
		For Valve Enclosure, Add	*76.67*	
		For Filler Piece, Add	*69.67*	
		For End Cap, Add	*51.34*	
		For Copper Tube With Aluminum Fins, Add	*37.25*	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,156.90	131.98
		For 90 Degree Corner, Add	*85.42*	
		For Valve Enclosure, Add	*85.42*	
		For Filler Piece, Add	*78.42*	
		For End Cap, Add	*57.02*	
		For Copper Tube With Aluminum Fins, Add	*42.89*	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,276.73	145.18
		For 90 Degree Corner, Add	*92.97*	
		For Valve Enclosure, Add	*92.97*	
		For Filler Piece, Add	*85.97*	
		For End Cap, Add	*61.93*	
		For Copper Tube With Aluminum Fins, Add	*47.40*	
23 82 36 00-0012		**1" IPS Steel Tube With Steel Fins** *(23 82 36 00-0001)*		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	389.86	29.41
		For 90 Degree Corner, Add	*38.46*	
		For Valve Enclosure, Add	*38.46*	
		For Filler Piece, Add	*31.46*	
		For End Cap, Add	*26.50*	
		For Copper Tube With Aluminum Fins, Add	*13.62*	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	542.75	44.50
		For 90 Degree Corner, Add	*44.28*	
		For Valve Enclosure, Add	*44.28*	
		For Filler Piece, Add	*37.28*	
		For End Cap, Add	*30.28*	
		For Copper Tube With Aluminum Fins, Add	*20.42*	
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	683.68	58.83
		For 90 Degree Corner, Add	*47.71*	
		For Valve Enclosure, Add	*47.71*	
		For Filler Piece, Add	*40.71*	
		For End Cap, Add	*32.51*	
		For Copper Tube With Aluminum Fins, Add	*27.23*	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	851.04	82.36
		For 90 Degree Corner, Add	*57.08*	
		For Valve Enclosure, Add	*57.08*	
		For Filler Piece, Add	*50.08*	
		For End Cap, Add	*38.60*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,015.60	98.95
		For 90 Degree Corner, Add	*66.54*	
		For Valve Enclosure, Add	*66.54*	
		For Filler Piece, Add	*59.54*	
		For End Cap, Add	*44.75*	
		For Copper Tube With Aluminum Fins, Add	*40.31*	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,181.17	105.59
		For 90 Degree Corner, Add	*70.34*	
		For Valve Enclosure, Add	*70.34*	
		For Filler Piece, Add	*63.34*	
		For End Cap, Add	*47.22*	
		For Copper Tube With Aluminum Fins, Add	*48.37*	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,300.57	116.68
		For 90 Degree Corner, Add	*76.63*	
		For Valve Enclosure, Add	*76.63*	
		For Filler Piece, Add	*69.63*	
		For End Cap, Add	*51.31*	
		For Copper Tube With Aluminum Fins, Add	*53.21*	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,491.12	131.98
		For 90 Degree Corner, Add	*85.42*	
		For Valve Enclosure, Add	*85.42*	
		For Filler Piece, Add	*78.42*	
		For End Cap, Add	*57.02*	
		For Copper Tube With Aluminum Fins, Add	*61.27*	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,645.69	145.18
		For 90 Degree Corner, Add	*92.88*	
		For Valve Enclosure, Add	*92.88*	
		For Filler Piece, Add	*85.88*	
		For End Cap, Add	*61.87*	
		For Copper Tube With Aluminum Fins, Add	*67.72*	

23 82 36 00-0022 1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*

23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	464.13	29.41
		For 90 Degree Corner, Add	*38.46*	
		For Valve Enclosure, Add	*38.46*	
		For Filler Piece, Add	*31.46*	
		For End Cap, Add	*26.50*	
		For Copper Tube With Aluminum Fins, Add	*17.70*	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	654.15	44.50
		For 90 Degree Corner, Add	*44.28*	
		For Valve Enclosure, Add	*44.28*	
		For Filler Piece, Add	*37.28*	
		For End Cap, Add	*30.28*	
		For Copper Tube With Aluminum Fins, Add	*26.55*	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	832.22	58.83
		For 90 Degree Corner, Add	*47.71*	
		For Valve Enclosure, Add	*47.71*	
		For Filler Piece, Add	*40.71*	
		For End Cap, Add	*32.51*	
		For Copper Tube With Aluminum Fins, Add	*35.40*	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,035.74	82.36
		For 90 Degree Corner, Add	*57.08*	
		For Valve Enclosure, Add	*57.08*	
		For Filler Piece, Add	*50.08*	
		For End Cap, Add	*38.60*	
		For Copper Tube With Aluminum Fins, Add	*44.02*	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,235.47	98.95
		For 90 Degree Corner, Add	*66.54*	
		For Valve Enclosure, Add	*66.54*	
		For Filler Piece, Add	*59.54*	
		For End Cap, Add	*44.75*	
		For Copper Tube With Aluminum Fins, Add	*52.40*	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,445.02	105.59
		For 90 Degree Corner, Add	*70.34*	
		For Valve Enclosure, Add	*70.34*	
		For Filler Piece, Add	*63.34*	
		For End Cap, Add	*47.22*	
		For Copper Tube With Aluminum Fins, Add	*62.88*	
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,590.80	116.68
		For 90 Degree Corner, Add	*76.63*	
		For Valve Enclosure, Add	*76.63*	
		For Filler Piece, Add	*69.63*	
		For End Cap, Add	*51.31*	
		For Copper Tube With Aluminum Fins, Add	*69.17*	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,825.33	131.98
		For 90 Degree Corner, Add	*85.42*	
		For Valve Enclosure, Add	*85.42*	
		For Filler Piece, Add	*78.42*	
		For End Cap, Add	*57.02*	
		For Copper Tube With Aluminum Fins, Add	*79.65*	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,015.07	145.18
		For 90 Degree Corner, Add	*92.88*	
		For Valve Enclosure, Add	*92.88*	
		For Filler Piece, Add	*85.88*	
		For End Cap, Add	*61.87*	
		For Copper Tube With Aluminum Fins, Add	*88.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0032		Electric Baseboard Heating *(23 82 36)* Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0033		Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*		
23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	100.68	36.37
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	104.34	36.37
23 82 36 00-0036		Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*		
23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	137.25	36.37
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	146.40	36.37
23 82 39		**Unit Heaters** *(23 82)*		
23 82 39 13		**Cabinet Unit Heaters** *(23 82 39)*		
23 82 39 13-0001		Electric Cabinet Unit Heaters *(23 82 39 13)* Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002		Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,497.11	82.67
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,526.35	82.67
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,555.59	82.67
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,584.81	82.67
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,614.05	82.67
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,643.30	82.67
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,673.70	82.67
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	110.46	54.89
23 82 39 13-0011		Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,688.05	99.21
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,746.53	99.21
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,804.99	99.21
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,863.48	99.21
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,921.94	99.21
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,980.42	99.21
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,038.88	99.21
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	132.28	66.14
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,611.41	132.28
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,669.87	132.28
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,728.35	132.28
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,786.81	132.28
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,845.30	132.28
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,903.76	132.28
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	165.35	82.67
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,417.82	165.35
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,505.52	165.35
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,593.23	165.35
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,680.93	165.35
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,768.65	165.35
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,856.36	165.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,944.06	165.35
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	220.91	110.46
23 82 39 13-0037		**Electric Cabinet Unit Heaters, 78" Cabinet Length** *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,341.15	198.42
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,458.10	198.42
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,575.04	198.42
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,691.99	198.42
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,808.93	198.42
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,925.88	198.42
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,042.82	198.42
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	264.56	132.28
23 82 39 13-0046		**Removal and Reinstallation of Cabinet Unit Heaters** *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	207.40	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	358.26	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	427.63	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	578.48	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		**Hydronic Unit Heaters Using Steam Or Hot Water** *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		**Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt** *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,408.48	75.42
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,411.90	75.42
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,609.09	75.42
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,889.71	113.13
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,990.60	113.13
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,140.82	113.13
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,511.98	150.84
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,814.63	150.84
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,007.23	150.84
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,163.15	150.84
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,499.95	188.56
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,552.71	188.56
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,603.15	188.56
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,740.42	226.26
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,134.79	226.26
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,694.13	263.97
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,122.54	263.97
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,431.76	301.68
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,899.18	301.68
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	278.92	18.85
23 82 39 16-0023		**Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt** *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,025.02	75.42
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,133.91	113.13
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,332.26	113.13
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,821.54	150.84
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,016.40	150.84
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,387.33	226.26
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,685.40	226.26
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,935.34	226.26
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,352.47	263.97
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,648.27	263.97
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,246.68	263.97
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,943.14	339.39
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	7,933.33	339.39
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,543.22	339.39
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,760.48	377.10
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	395.98	18.85
23 82 39 16-0040		**Removal and Reinstallation of Propeller Unit Heaters** *(23 82 39 16)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	452.52	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	603.36	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	912.73	66.14
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	912.73	66.14
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,239.61	82.67
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,410.64	99.21
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,089.97	132.28
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,113.64	165.35
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,373.14	198.42
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,540.68	231.49
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,166.44	66.14
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,116.92	66.14
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,312.12	82.67
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,504.98	99.21
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,278.64	132.28

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	376.19	41.34
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	444.94	46.30
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	756.25	46.30
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	440.13	41.34
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	545.85	46.30
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	874.77	46.30
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	578.38	54.57
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,179.50	57.88
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,344.02	57.88
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,573.98	61.18
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,718.44	61.18
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	663.83	54.57
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,314.11	57.88
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,478.62	57.88
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	615.79	41.34

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	271.53	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	558.17	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	8.38	0.31
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.02	0.31
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.46	0.31
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	8.38	0.31
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	10.10	0.31
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.73	0.31
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	10.72	0.31
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.01	0.31
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.31	0.31
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.72	0.31
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	11.01	0.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.31	0.31
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	13.66	0.31
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.24	0.31
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.54	0.31
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	13.66	0.31
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	14.24	0.31
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.54	0.31
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	250.64	24.45
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	250.64	24.45
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	210.63	4.45
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	574.65	11.11
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	637.41	11.11

23 83 33 Electric Radiant Heaters *(23 83)*

23 83 33 00-0001 Residential Wall Heaters *(23 83 33)*

23 83 33 00-0002	EA	750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	394.65	66.14
23 83 33 00-0003	EA	1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	394.65	66.14
23 83 33 00-0004	EA	1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	460.24	66.14
23 83 33 00-0005	EA	1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	460.24	66.14
23 83 33 00-0006	EA	2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	473.36	66.14
23 83 33 00-0007	EA	2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	473.36	66.14
23 83 33 00-0008	EA	3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	525.84	66.14
23 83 33 00-0009	EA	4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	552.07	66.14

23 83 33 00-0010 Commercial Wall Heaters *(23 83 33)*

23 83 33 00-0011	EA	750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	499.60	66.14
23 83 33 00-0012	EA	1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	499.60	66.14
23 83 33 00-0013	EA	1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	499.60	66.14
23 83 33 00-0014	EA	1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	552.07	66.14
23 83 33 00-0015	EA	2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	591.43	66.14
23 83 33 00-0016	EA	2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	591.43	66.14
23 83 33 00-0017	EA	3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	788.20	66.14
23 83 33 00-0018	EA	4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	788.20	66.14

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,440.16	310.73
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,131.49	311.49

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,009.92	199.11
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*613.03*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,009.92	199.11
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*613.03*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	2,981.12	199.11
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*904.39*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,056.54	248.89
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*929.53*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,578.03	199.11
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,383.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,653.45	248.89
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,408.60*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,148.63	248.89
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,157.16*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,242.91	311.49
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,188.59*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	534.71	37.71

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,348.76	33.07
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,964.88	38.57
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,998.98	44.10

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	446.43	71.66
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	559.74	71.66
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	627.72	71.66

END OF SECTION 23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

25 Integrated Automation

25 50 Integrated Automation Facility Controls *(25)*

25 55 Integrated Automation Control of HVAC *(25 50)*

See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002		EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	485.48	
			For Up To 20, Add	*114.32*	
			For >20 To 50, Add	*91.46*	
			For >50 To 100, Add	*45.73*	
26 01 10 91-0003		EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	649.39	
			For Up To 20, Add	*155.30*	
			For >20 To 50, Add	*124.24*	
			For >50 To 100, Add	*62.12*	
26 01 10 91-0004		EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	1,009.97	
			For Up To 20, Add	*245.45*	
			For >20 To 50, Add	*196.36*	
			For >50 To 100, Add	*98.18*	
26 01 10 91-0005		EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	483.69	
			For Up To 20, Add	*113.88*	
			For >20 To 50, Add	*91.10*	
			For >50 To 100, Add	*45.55*	
26 01 10 91-0006		EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	636.04	
			For Up To 20, Add	*151.96*	
			For >20 To 50, Add	*121.57*	
			For >50 To 100, Add	*60.79*	
26 01 10 91-0007		EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	980.33	
			For Up To 20, Add	*238.04*	
			For >20 To 50, Add	*190.43*	
			For >50 To 100, Add	*95.21*	
26 01 10 91-0008		EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	367.47	
			For Up To 20, Add	*84.82*	
			For >20 To 50, Add	*67.86*	
			For >50 To 100, Add	*33.93*	
26 01 10 91-0009		EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	544.49	
			For Up To 20, Add	*129.08*	
			For >20 To 50, Add	*103.26*	
			For >50 To 100, Add	*51.63*	
26 01 10 91-0010		EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	802.64	
			For Up To 20, Add	*193.61*	
			For >20 To 50, Add	*154.89*	
			For >50 To 100, Add	*77.45*	
26 01 10 91-0011		EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	726.04	
			For Up To 20, Add	*174.46*	
			For >20 To 50, Add	*139.57*	
			For >50 To 100, Add	*69.79*	
26 01 10 91-0012		EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,022.20	
			For Up To 20, Add	*248.50*	
			For >20 To 50, Add	*198.80*	
			For >50 To 100, Add	*99.40*	
26 01 10 91-0013		EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,926.76	
			For Up To 20, Add	*474.64*	
			For >20 To 50, Add	*379.71*	
			For >50 To 100, Add	*189.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	843.76	
		For Up To 20, Add	*203.89*	
		For >20 To 50, Add	*163.11*	
		For >50 To 100, Add	*81.56*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,272.58	
		For Up To 20, Add	*311.10*	
		For >20 To 50, Add	*248.88*	
		For >50 To 100, Add	*124.44*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	16.00
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	16.00
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	4.45
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	3.24

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	9.20
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	9.20

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	52.80
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	71.30
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	110.91
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	19.39
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	19.39
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	17.74
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	17.74
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	29.19
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	33.11
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	32.10
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	35.09
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	35.73
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	16.95
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	16.95
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	19.31
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	19.31

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	3.26
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	5.34
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	7.69
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	10.64
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	6.66
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	12.57
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.89*
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	16.70
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.89*
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	15.05
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.89*
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	30.72
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.89*
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	69.11
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	80.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.04*	

26 01 50 51-0031 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	63.29	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	19.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.96*	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	42.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.49*	

26 01 50 51-0035 Fluorescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	6.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	9.63	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	11.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0039	EA	4', 32 Watt, T8 Fluorescent Lamp	11.16	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0040	EA	4', 30 Watt, T8 Fluorescent Lamp	16.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0041	EA	4', 28 Watt, T8 Fluorescent Lamp	13.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0042	EA	4', 25 Watt, T8 Fluorescent Lamp	13.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0043	EA	4', 44 Watt, T8HO Fluorescent Lamp	25.66	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0044	EA	8', 59 Watt, T8 Fluorescent Lamp	17.71	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0045	EA	18", 15 Watt, T12 Fluorescent Lamp	13.88	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0046	EA	2', 20 Watt, T12 Fluorescent Lamp	8.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0047	EA	3', 30 Watt, T12 Fluorescent Lamp	9.90	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0048	EA	4', 34 Watt, T12 Fluorescent Lamp	9.99	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0049	EA	4', 40 Watt, T12 Fluorescent Lamp	9.62	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0050	EA	8', 60 Watt, T12 Fluorescent Lamp	18.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0051	EA	8', 75 Watt, T12 Fluorescent Lamp	14.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0052	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	14.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0053	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	10.39	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0054	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	9.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0055	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	11.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0056	EA	6", 4 Watt, T5 Fluorescent Lamp	8.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0057	EA	9", 6 Watt, T5 Fluorescent Lamp	8.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0058	EA	12", 8 Watt, T5 Fluorescent Lamp	8.58	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0059	EA	21", 13 Watt, T5 Fluorescent Lamp	9.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0060	EA	24", 14 Watt, T5 Fluorescent Lamp	11.77	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0061	EA	34", 21 Watt, T5 Fluorescent Lamp	12.54	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0062	EA	46", 28 Watt, T5 Fluorescent Lamp	11.90	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0063	EA	46", 54 Watt, T5HO Fluorescent Lamp	13.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0064	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	7.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*	
26 01 50 51-0065	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	9.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*	
26 01 50 51-0066	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	23.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*	
26 01 50 51-0067	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	22.01	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.49*	
26 01 50 51-0068	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	20.91	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.49*	
26 01 50 51-0069	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	8.26	
26 01 50 51-0070	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	6.52	
26 01 50 51-0071	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	7.06	
26 01 50 51-0072	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	42.98	
26 01 50 51-0073	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	47.29	
26 01 50 51-0074	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	94.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0075	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	113.59	
26 01 50 51-0076	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	117.56	
26 01 50 51-0077	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	38.91	
26 01 50 51-0078	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	40.81	
26 01 50 51-0079	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	47.96	
26 01 50 51-0080		Metal Halide Lamps *(26 01 50 51-0001)*		
26 01 50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp	38.27	
26 01 50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp	35.97	
26 01 50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp	43.22	
26 01 50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp	41.58	
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	41.10	
26 01 50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp	41.43	
26 01 50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp	52.98	
26 01 50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp	64.05	
26 01 50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp	63.60	
26 01 50 51-0090		High Pressure Sodium Lamps *(26 01 50 51-0001)*		
26 01 50 51-0091	EA	35 Watt, High Pressure Sodium Lamp	28.93	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0092	EA	50 Watt, High Pressure Sodium Lamp	28.93	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0093	EA	70 Watt, High Pressure Sodium Lamp	29.91	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0094	EA	100 Watt, High Pressure Sodium Lamp	31.80	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0095	EA	150 Watt, High Pressure Sodium Lamp	29.91	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0096	EA	250 Watt, High Pressure Sodium Lamp	29.91	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0097	EA	400 Watt, High Pressure Sodium Lamp	27.11	
		For Enclosed And Gasket Light Fixtures, Add	*1.13*	
26 01 50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp	80.18	
26 01 50 51-0099		Low Pressure Sodium Lamps *(26 01 50 51-0001)*		
26 01 50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp	96.97	
26 01 50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp	109.96	
26 01 50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp	112.89	
26 01 50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp	115.81	
26 01 50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp	127.52	
26 01 50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp	180.20	
26 01 50 51-0106		LED Lamps *(26 01 50 51-0001)*		
26 01 50 51-0107		LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0106)*		
26 01 50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	21.74	
26 01 50 51-0109		LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0106)*		
26 01 50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	33.11	
26 01 50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	33.11	
26 01 50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	63.64	
26 01 50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	40.82	
26 01 50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	82.72	
26 01 50 51-0115		LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0106)*		
26 01 50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	42.89	
26 01 50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	36.44	
26 01 50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	53.57	
26 01 50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	42.16	
26 01 50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	61.20	
26 01 50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	42.16	
26 01 50 51-0122		LED Lamps, Medium Base, PAR *(26 01 50 51-0106)*		
26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	48.99	
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	72.69	
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	72.69	
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	68.87	
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	65.06	
26 01 50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	65.06	
26 01 50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	142.14	
26 01 50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	72.69	
26 01 50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	68.87	
26 01 50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	72.69	
26 01 50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	72.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0134		**LED Lamps, GU Base, MR16** *(26 01 50 51-0106)*		
26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	28.81	
26 01 50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	42.89	
26 01 50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	48.99	
26 01 50 51-0138		**LED Lamps, PL Series** *(26 01 50 51-0106)*		
26 01 50 51-0139	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	13.00	
26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	16.36	
26 01 50 51-0141	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	12.83	
26 01 50 51-0142	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	15.04	
26 01 50 51-0143	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	15.04	
26 01 50 51-0144	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	19.02	
26 01 50 51-0145	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	15.04	
26 01 50 51-0146	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	15.04	
26 01 50 51-0147	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	15.04	
26 01 50 51-0148	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	15.04	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	17.69	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	17.69	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	17.69	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	17.69	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	16.36	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	16.36	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	16.36	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	17.25	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	17.25	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	17.44	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	17.44	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	17.44	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	17.44	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	18.13	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	18.13	
26 01 50 51-0164	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	18.13	
26 01 50 51-0165	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	18.13	
26 01 50 51-0166	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	18.13	
26 01 50 51-0167	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	18.13	
26 01 50 51-0168	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	18.13	
26 01 50 51-0169	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	18.13	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	25.04	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	25.04	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	25.04	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	23.45	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	23.45	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	23.45	
26 01 50 51-0176	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	22.77	
26 01 50 51-0177		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0106)*		
26 01 50 51-0178	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	53.95	
26 01 50 51-0179	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	53.95	
26 01 50 51-0180	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	70.30	
26 01 50 51-0181	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	70.30	
26 01 50 51-0182	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	40.71	
26 01 50 51-0183	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	40.71	
26 01 50 51-0184	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	40.71	
26 01 50 51-0185	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	40.71	
26 01 50 51-0186	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	42.48	
26 01 50 51-0187	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	42.48	
26 01 50 51-0188	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	42.48	
26 01 50 51-0189	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	42.48	
26 01 50 51-0190	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	49.56	
26 01 50 51-0191	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	49.56	
26 01 50 51-0192	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	49.56	
26 01 50 51-0193	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	49.56	
26 01 50 51-0194	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	58.40	
26 01 50 51-0195	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	58.40	
26 01 50 51-0196	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	58.40	
26 01 50 51-0197	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	58.40	
26 01 50 51-0198	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	77.85	
26 01 50 51-0199	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	77.85	
26 01 50 51-0200	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	77.85	
26 01 50 51-0201	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	77.85	
26 01 50 51-0202	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	94.66	
26 01 50 51-0203	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	94.66	
26 01 50 51-0204	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	94.66	
26 01 50 51-0205	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	94.66	
26 01 50 51-0206	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	106.15	
26 01 50 51-0207	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	106.15	
26 01 50 51-0208	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	106.15	
26 01 50 51-0209	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	106.15	
26 01 50 51-0210	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	147.71	
26 01 50 51-0211	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	147.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0212	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	147.71	
26 01 50 51-0213	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	147.71	
26 01 50 51-0214	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	153.02	
26 01 50 51-0215	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	153.02	
26 01 50 51-0216	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	153.02	
26 01 50 51-0217	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	153.02	
26 01 50 51-0218	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	183.97	
26 01 50 51-0219	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	183.97	
26 01 50 51-0220	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	183.97	
26 01 50 51-0221	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	183.97	
26 01 50 51-0222	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	221.11	
26 01 50 51-0223	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	221.11	
26 01 50 51-0224	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	221.11	
26 01 50 51-0225	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	221.11	
26 01 50 51-0226	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	68.51	
26 01 50 51-0227	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	74.70	
26 01 50 51-0228	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	74.70	
26 01 50 51-0229	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	68.51	
26 01 50 51-0230	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	87.96	
26 01 50 51-0231	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	80.01	
26 01 50 51-0232	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	97.69	
26 01 50 51-0233	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	96.65	
26 01 50 51-0234	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	99.02	
26 01 50 51-0235	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	99.02	
26 01 50 51-0236	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	57.04	
26 01 50 51-0237	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	57.04	
26 01 50 51-0238	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	65.22	
26 01 50 51-0239	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	65.22	
26 01 50 51-0240	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	70.66	
26 01 50 51-0241	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	70.66	
26 01 50 51-0242	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	78.83	
26 01 50 51-0243	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	78.83	
26 01 50 51-0244	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	79.25	
26 01 50 51-0245	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	86.51	
26 01 50 51-0246	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	109.41	
26 01 50 51-0247	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	121.26	
26 01 50 51-0248	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	43.17	
26 01 50 51-0249	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	49.54	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	52.72	
26 01 50 51-0251	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	58.65	
26 01 50 51-0252	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	72.02	
26 01 50 51-0253	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	85.63	
26 01 50 51-0254	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	119.64	
26 01 50 51-0255	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	126.44	
26 01 50 51-0256	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	137.33	
26 01 50 51-0257	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	144.13	
26 01 50 51-0258	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	210.79	
26 01 50 51-0259	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	55.08	

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0106)*

26 01 50 51-0261	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	198.77	
26 01 50 51-0262	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	198.77	
26 01 50 51-0263	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	198.77	
26 01 50 51-0264	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	53.95	
26 01 50 51-0265	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	53.95	
26 01 50 51-0266	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	53.95	
26 01 50 51-0267	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	70.30	
26 01 50 51-0268	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	70.30	
26 01 50 51-0269	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	70.30	
26 01 50 51-0270	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	136.63	
26 01 50 51-0271	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	147.71	
26 01 50 51-0272	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	147.71	
26 01 50 51-0273	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	147.71	
26 01 50 51-0274	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	147.71	
26 01 50 51-0275	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	153.02	
26 01 50 51-0276	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	153.02	
26 01 50 51-0277	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	153.02	
26 01 50 51-0278	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	153.02	
26 01 50 51-0279	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	183.97	
26 01 50 51-0280	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	183.97	
26 01 50 51-0281	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	183.97	
26 01 50 51-0282	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	183.97	
26 01 50 51-0283	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	221.11	
26 01 50 51-0284	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	221.11	
26 01 50 51-0285	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	221.11	
26 01 50 51-0286	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	221.11	
26 01 50 51-0287	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	74.70	
26 01 50 51-0288	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	74.70	
26 01 50 51-0289	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	87.96	
26 01 50 51-0290	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	86.74	
26 01 50 51-0291	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	97.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0292	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	96.65	
26 01 50 51-0293	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	99.02	
26 01 50 51-0294	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	95.94	
26 01 50 51-0295	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	216.19	
26 01 50 51-0296	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	74.67	
26 01 50 51-0297	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	74.67	
26 01 50 51-0298	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	85.67	
26 01 50 51-0299	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	85.67	
26 01 50 51-0300	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	92.29	
26 01 50 51-0301	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	92.29	
26 01 50 51-0302	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	56.93	
26 01 50 51-0303	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	56.93	
26 01 50 51-0304	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	65.22	
26 01 50 51-0305	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	65.22	
26 01 50 51-0306	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	70.66	
26 01 50 51-0307	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	70.66	
26 01 50 51-0308	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	78.83	
26 01 50 51-0309	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	78.83	
26 01 50 51-0310	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	147.70	
26 01 50 51-0311	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	171.93	
26 01 50 51-0312	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	206.42	
26 01 50 51-0313	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	409.50	
26 01 50 51-0314	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	386.31	
26 01 50 51-0315	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	409.50	
26 01 50 51-0316	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	411.31	
26 01 50 51-0317	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	56.53	
26 01 50 51-0318	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	56.53	
26 01 50 51-0319	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	56.53	
26 01 50 51-0320	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	175.04	
26 01 50 51-0321	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	423.22	
26 01 50 51-0322	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	167.03	
26 01 50 51-0323	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	199.03	
26 01 50 51-0324	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	80.67	
26 01 50 51-0325	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	288.55	

26 01 50 51-0326 LED Lamps, 2G11 Base *(26 01 50 51-0106)*

26 01 50 51-0327	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	45.75	

26 01 50 51-0328 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0106)*

26 01 50 51-0329	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	19.92	

26 01 50 51-0330 LED Lamps, G24 Base *(26 01 50 51-0106)*

26 01 50 51-0331	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	27.41	

26 01 50 51-0332 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0106)*

26 01 50 51-0333	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	37.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0334	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	51.25	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0335	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	40.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.26*	
26 01 50 51-0336	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	44.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0337	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	50.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0338	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	28.55	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0339	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	28.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0340	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	24.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0341	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	25.11	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.26*	
26 01 50 51-0342	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	24.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	
26 01 50 51-0343	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	25.86	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.33*	

26 01 50 51-0344 Filament LED Lamps *(26 01 50 51-0106)*

26 01 50 51-0345	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	15.07	
26 01 50 51-0346	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	15.07	
26 01 50 51-0347	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	14.19	
26 01 50 51-0348	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	14.19	
26 01 50 51-0349	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	15.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0350	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	15.60	
26 01 50 51-0351	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	12.42	
26 01 50 51-0352	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	12.42	
26 01 50 51-0353	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	12.95	
26 01 50 51-0354	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	16.84	
26 01 50 51-0355	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	19.15	

26 01 50 51-0356 Other Lamps *(26 01 50 51-0106)*

26 01 50 51-0357	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	14.05	
26 01 50 51-0358	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	14.05	
26 01 50 51-0359	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	14.05	
26 01 50 51-0360	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	14.93	
26 01 50 51-0361	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	14.93	
26 01 50 51-0362	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	14.93	

26 01 50 51-0363 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0106)*

26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	44.90	
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	19.96	

26 01 50 51-0366 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0375 for recycling hazardous lamps.

26 01 50 51-0367	EA	Removal Of 2' Length Linear Fluorescent Lamps	1.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.52*	
26 01 50 51-0368	EA	Removal Of 3' Length Linear Fluorescent Lamps	1.80	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.59*	
26 01 50 51-0369	EA	Removal Of 4' Length Linear Fluorescent Lamps	2.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.67*	
26 01 50 51-0370	EA	Removal Of 6' Length Linear Fluorescent Lamps	2.25	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.74*	
26 01 50 51-0371	EA	Removal Of 8' Length Linear Fluorescent Lamps	2.47	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-0.82*	
26 01 50 51-0372	EA	Removal Of Compact Fluorescent Lamps	1.34	
		For >25 To 40, Deduct	*-0.13*	
		For >40, Deduct	*-0.27*	
26 01 50 51-0373	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	2.14	
		For >25 To 40, Deduct	*-0.21*	
		For >40, Deduct	*-0.43*	
26 01 50 51-0374	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	3.82	
		For >25 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-0.76*	

26 01 50 51-0375 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0376	EA	Recycle 2' Length Linear Fluorescent Lamps	1.83	
26 01 50 51-0377	EA	Recycle 3' Length Linear Fluorescent Lamps	2.35	
26 01 50 51-0378	EA	Recycle 4' Length Linear Fluorescent Lamps	2.86	
26 01 50 51-0379	EA	Recycle 6' Length Linear Fluorescent Lamps	4.05	
26 01 50 51-0380	EA	Recycle 8' Length Linear Fluorescent Lamps	5.07	
26 01 50 51-0381	EA	Recycle Compact Fluorescent Lamps	4.67	
26 01 50 51-0382	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.67	
26 01 50 51-0383	EA	Recycle High Intensity Discharge (HID) Lamps	7.38	

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	108.67	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	110.92	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*7.00*	

26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	108.67	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	110.92	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0011		**28 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	108.67	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	110.92	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0014		**35 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	108.67	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	110.92	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0017		**54 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	108.53	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	110.78	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	154.89	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	157.14	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0022		**High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		**12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	88.79	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	91.04	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0026		**24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	120.57	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	122.82	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0029		**39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	120.57	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	122.82	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0032		**54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	88.79	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	91.04	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0035		**Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0036		**Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		**28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	109.09	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0039		**Dimming To 5%, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		**54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	421.65	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	411.89	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0043		**T8 Fluorescent Ballasts** *(26 01 50 52-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)* Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	39.42	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	80.39	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	41.67	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	82.64	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.12	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	91.19	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.04	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.34	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	39.42	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	80.39	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	41.67	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	82.64	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.12	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	91.19	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.04	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.34	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0063		28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	39.42	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	80.39	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	41.67	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	82.64	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.12	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	91.19	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.04	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.34	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0072		32 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	39.42	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	80.39	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	41.67	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	82.64	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	51.12	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	91.19	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.04	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.34	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0081		**40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	71.71	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*7.28*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	80.39	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	73.96	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*7.28*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	82.64	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	93.29	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	91.19	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	95.54	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	98.34	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0090		**96 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	88.79	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
		For High Ballast Factor, Add	*15.60*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	91.04	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
		For High Ballast Factor, Add	*15.60*	
26 01 50 52-0093		**High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094		**48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	110.77	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	148.74	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	113.02	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	150.99	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0099		**60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	110.77	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	148.74	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	113.02	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	150.99	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0104		**72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	110.77	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	148.74	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	113.02	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	150.99	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0109		**96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	110.77	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	148.74	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	113.02	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	150.99	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0114		**Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
26 01 50 52-0115		**Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		**17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.46	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	133.16	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	135.40	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0123		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.46	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	133.16	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	135.40	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0130		**28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.46	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	133.16	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	135.40	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0137		**32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.46	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	133.16	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	135.40	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.46	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	133.16	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	135.40	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.96	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	125.20	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	127.44	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.96	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	125.20	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	127.44	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0166		28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.96	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	125.20	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	127.44	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0173		32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.96	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	125.20	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	127.44	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	
26 01 50 52-0180		40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	56.34	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	58.59	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	63.96	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	81.19	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	125.20	17.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	127.44	20.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.06*	

26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	139.89	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	142.14	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	169.73	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.98	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	139.89	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	142.14	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	169.73	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.98	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	139.89	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	142.14	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	169.73	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.98	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	139.89	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	142.14	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	169.73	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	171.98	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0208 T10 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0209 T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*

26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	61.90	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	64.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	79.15	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	

26 01 50 52-0214 T12 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0215 T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*

26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	39.42	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	61.90	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	41.67	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	64.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	51.12	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	58.04	15.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0223		**30 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	61.90	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	64.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	79.15	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0227		**34 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	61.90	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	64.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	79.15	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0231		**40 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	61.90	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	64.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	79.15	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	
26 01 50 52-0235		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.37	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	91.04	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0238		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	111.19	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	113.44	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	111.19	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	113.44	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	111.19	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	113.44	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	111.19	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	113.44	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	167.56	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	295.06	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	374.89	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	268.37	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,382.98	13.48
		For Factory Installation In New Fixtures, Deduct	*-19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	382.39	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	661.25	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	348.60	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	489.39	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	372.20	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	422.97	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	460.52	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	382.20	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	390.18	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	335.88	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	348.60	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	341.73	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	650.33	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	821.62	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,566.71	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,078.06	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	531.73	11.23
		For Factory Installation In New Fixtures, Deduct	*-18.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	700.89	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,068.38	11.23
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	115.74	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	188.27	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	231.77	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	262.82	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	270.67	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	361.57	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	434.50	8.98
		For Factory Installation In New Fixtures, Deduct	*-17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	101.95	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	104.20	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	101.95	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	104.20	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	130.09	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.34	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	98.59	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	130.09	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	195.38	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.34	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	230.57	13.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.04*	

26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	130.09	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.34	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	130.09	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	132.34	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	

26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0307)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	202.06	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	204.31	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	202.06	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	204.31	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	202.06	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	219.85	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	219.85	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0320		**42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	202.06	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	219.85	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0323		**55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	332.27	8.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	371.06	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0326		**High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0327		**Magnetic High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0326)*		
26 01 50 52-0328		**Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0329		**Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	231.63	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	238.61	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	238.61	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	218.73	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	218.73	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	351.94	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	351.94	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	469.27	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	529.12	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0339		**High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0328)*		
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	204.04	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	219.65	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	212.91	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	259.83	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	253.12	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	296.66	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	296.66	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	369.08	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	369.08	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	623.18	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	623.18	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	10.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.35*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	19.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.02*	

26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	308.52	11.23
		For Pulse Start Ballast, Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	327.89	11.23
		For Pulse Start Ballast, Add	*31.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	293.86	11.23
		For Pulse Start Ballast, Add	*27.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	349.78	11.23
		For Pulse Start Ballast, Add	*33.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	506.50	11.23
		For Pulse Start Ballast, Add	*49.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	381.91	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	412.10	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	671.32	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,063.25	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,191.94	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,147.42	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	

26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*

26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	838.96	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	959.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,284.46	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,277.46	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,808.26	12.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.99*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,808.26	12.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.99*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,229.65	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,456.15	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0381		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,611.89	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,532.07	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,984.65	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,984.65	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0386		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0387		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	949.39	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,029.82	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,021.90	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,075.78	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,738.00	12.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.99*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,149.47	12.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.99*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,621.25	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,471.22	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0396		**High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,241.24	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,342.69	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,031.48	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,740.46	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0401		**Electronic High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0326)*		
26 01 50 52-0402		**Electronic Low Frequency High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0401)*		
26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	347.09	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	347.09	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	397.95	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,110.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,110.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,110.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,110.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,110.47	11.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0411		**Owner Supplied Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	8.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	11.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.37*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	13.03	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.91*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	13.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.18*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	15.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	16.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.99*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	67.14	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	113.08	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	157.62	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	51.92	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	15.61	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	16.69	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	21.37	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	6.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	6.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	7.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	9.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	11.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	7.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	40.66	

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	75.01
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	75.01
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	75.01
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	55.64
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	55.64
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	55.64
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	63.80
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	63.80
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	63.80

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	260.60
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	272.84
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	285.08
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	298.20
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	333.89
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	347.02
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	380.67
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	392.91
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	406.03
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	428.46
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	450.76
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	474.21
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	486.45
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	506.84
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	528.59
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	554.08
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	592.83
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	610.16
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	638.57
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	678.34
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	698.74
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	744.94
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	789.81
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	819.24
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	863.09
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	946.58
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	956.78
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	980.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0042		**LED Lighting Retrofits For Existing Fixtures (Optilumen)** *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	97.69	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	97.69	
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	97.69	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	102.79	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	112.98	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	133.38	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	133.38	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	133.38	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	97.69	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	97.69	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	97.69	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	97.69	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	97.69	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	97.69	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	102.79	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	102.79	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	102.79	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	108.90	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	108.90	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	108.90	
26 01 50 81-0073		**LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)** *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	269.98	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	269.98	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	240.40	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	240.40	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	103.62	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	103.62	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	122.99	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	122.99	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	137.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	137.27	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	142.36	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	142.36	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	74.04	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	74.04	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	86.28	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	86.28	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	77.10	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	77.10	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	89.34	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	89.34	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	76.08	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	76.08	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	85.26	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	85.26	

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	22.62	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	125.45	5.04
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	127.47	6.04
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	166.65	5.04
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	168.67	6.04
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	80.16	4.03
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	16.55	4.03
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	18.96	4.03
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	66.69	6.04

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	81.98
		For Specular Ballast Cover, Add	*13.28*
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	89.64
		For Specular Ballast Cover, Add	*14.82*
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	133.42
		For Specular Ballast Cover, Add	*23.57*
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	158.02
		For Specular Ballast Cover, Add	*28.49*

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	88.42
		For Specular Reflector, Add	*17.05*
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	96.85
		For Specular Reflector, Add	*17.05*
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	142.43
		For Specular Reflector, Add	*17.05*
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	188.74
		For Specular Reflector, Add	*17.05*

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	109.60
		For Specular Reflector, Add	*17.05*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	117.25	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	119.18	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	137.57	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	173.86	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	124.98	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	141.12	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	154.74	
		For Specular Reflector, Add	*17.05*	

26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

26 01 50 81-0129 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	149.14
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	149.14
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	149.14
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.66
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	149.14
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	149.14
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	149.14
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.66
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	150.21
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	150.21
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	150.21
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	166.73
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	150.21
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	150.21
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	150.21
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	166.73

26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	222.23
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	233.46

26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	333.98
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	342.95
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	333.98
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	342.95
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	387.80
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	401.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	432.66	

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	306.53	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	319.04	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	322.79	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	335.30	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	222.07	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	228.01	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	237.52	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	243.46	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	310.03	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	376.59	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	266.49	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	190.01	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	274.91	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	198.35	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	290.06	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	219.51	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	322.54	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	245.85	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	330.41	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	253.80	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	345.37	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	274.85	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	649.43	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	725.92	

26 01 50 81-0184 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,485.67	

26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0188	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	80.72	
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-6.55*	
		For >100, Deduct	*-10.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0189	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	132.77	
		For >25 To 50, Deduct	*-6.64*	
		For >50 To 100, Deduct	*-10.46*	
		For >100, Deduct	*-15.28*	
26 01 50 81-0190	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	88.91	
		For >25 To 50, Deduct	*-4.45*	
		For >50 To 100, Deduct	*-7.20*	
		For >100, Deduct	*-11.00*	
26 01 50 81-0191	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	78.75	
		For >25 To 50, Deduct	*-3.94*	
		For >50 To 100, Deduct	*-6.43*	
		For >100, Deduct	*-9.99*	
26 01 50 81-0192	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	112.45	
		For >25 To 50, Deduct	*-5.62*	
		For >50 To 100, Deduct	*-8.99*	
		For >100, Deduct	*-13.47*	
26 01 50 81-0193	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	157.56	
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-12.37*	
		For >100, Deduct	*-17.98*	
26 01 50 81-0194	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	86.13	
		For >25 To 50, Deduct	*-4.31*	
		For >50 To 100, Deduct	*-7.02*	
		For >100, Deduct	*-10.84*	
26 01 50 81-0195	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	86.13	
		For >25 To 50, Deduct	*-4.31*	
		For >50 To 100, Deduct	*-7.02*	
		For >100, Deduct	*-10.84*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	121.47	
		For >25 To 50, Deduct	*-6.07*	
		For >50 To 100, Deduct	*-9.67*	
		For >100, Deduct	*-14.37*	
26 01 50 81-0197	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	97.41	
		For >25 To 50, Deduct	*-4.87*	
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-11.96*	
26 01 50 81-0198	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	97.41	
		For >25 To 50, Deduct	*-4.87*	
		For >50 To 100, Deduct	*-7.86*	
		For >100, Deduct	*-11.96*	

26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0200	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	235.41	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-11.77*	
		For >50 To 100, Deduct	*-18.21*	
		For >100, Deduct	*-25.76*	
26 01 50 81-0201	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	256.75	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-12.84*	
		For >50 To 100, Deduct	*-19.81*	
		For >100, Deduct	*-27.90*	
26 01 50 81-0202	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	272.70	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-13.64*	
		For >50 To 100, Deduct	*-21.01*	
		For >100, Deduct	*-29.49*	
26 01 50 81-0203	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	297.62	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-31.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0204	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	314.34	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.72*	
		For >50 To 100, Deduct	*-24.24*	
		For >100, Deduct	*-34.10*	
26 01 50 81-0205	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	343.28	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-26.41*	
		For >100, Deduct	*-37.00*	

26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0186)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0207	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	74.30	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-6.07*	
		For >100, Deduct	*-9.43*	
26 01 50 81-0208	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	74.30	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-3.72*	
		For >50 To 100, Deduct	*-6.07*	
		For >100, Deduct	*-9.43*	
26 01 50 81-0209	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	105.61	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.28*	
		For >50 To 100, Deduct	*-8.48*	
		For >100, Deduct	*-12.78*	
26 01 50 81-0210	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	105.61	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.28*	
		For >50 To 100, Deduct	*-8.48*	
		For >100, Deduct	*-12.78*	
26 01 50 81-0211	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	105.73	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-8.49*	
		For >100, Deduct	*-12.80*	
26 01 50 81-0212	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	119.11	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.96*	
		For >50 To 100, Deduct	*-9.49*	
		For >100, Deduct	*-14.13*	
26 01 50 81-0213	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	105.73	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-8.49*	
		For >100, Deduct	*-12.80*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	119.11	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.96*	
		For >50 To 100, Deduct	*-9.49*	
		For >100, Deduct	*-14.13*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	105.73	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-8.49*	
		For >100, Deduct	*-12.80*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	119.11	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.96*	
		For >50 To 100, Deduct	*-9.49*	
		For >100, Deduct	*-14.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50) Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	105.73	
		For >25 To 50, Deduct	*-5.29*	
		For >50 To 100, Deduct	*-8.49*	
		For >100, Deduct	*-12.80*	
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	119.11	
		For >25 To 50, Deduct	*-5.96*	
		For >50 To 100, Deduct	*-9.49*	
		For >100, Deduct	*-14.13*	
26 01 50 81-0219	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	118.99	
		For >25 To 50, Deduct	*-5.95*	
		For >50 To 100, Deduct	*-9.48*	
		For >100, Deduct	*-14.12*	
26 01 50 81-0220	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	147.61	
		For >25 To 50, Deduct	*-7.38*	
		For >50 To 100, Deduct	*-11.63*	
		For >100, Deduct	*-16.98*	
26 01 50 81-0221	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	164.32	
		For >25 To 50, Deduct	*-8.22*	
		For >50 To 100, Deduct	*-12.88*	
		For >100, Deduct	*-18.66*	
26 01 50 81-0222	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	147.61	
		For >25 To 50, Deduct	*-7.38*	
		For >50 To 100, Deduct	*-11.63*	
		For >100, Deduct	*-16.98*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	164.32	
		For >25 To 50, Deduct	*-8.22*	
		For >50 To 100, Deduct	*-12.88*	
		For >100, Deduct	*-18.66*	
26 01 50 81-0224	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800) Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts	196.70	
		For >25 To 50, Deduct	*-9.84*	
		For >50 To 100, Deduct	*-14.86*	
		For >100, Deduct	*-20.12*	
26 01 50 81-0225	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W) Note: 90-minute emergency battery with power output of 20 Watts	179.78	
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-13.59*	
		For >100, Deduct	*-18.42*	
26 01 50 81-0226	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	137.35	
		For >25 To 50, Deduct	*-6.87*	
		For >50 To 100, Deduct	*-11.02*	
		For >100, Deduct	*-16.62*	
26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	145.71	
		For >25 To 50, Deduct	*-7.29*	
		For >50 To 100, Deduct	*-11.65*	
		For >100, Deduct	*-17.46*	
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	227.82	
		For >25 To 50, Deduct	*-11.39*	
		For >50 To 100, Deduct	*-17.81*	
		For >100, Deduct	*-25.67*	
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	261.26	
		For >25 To 50, Deduct	*-13.06*	
		For >50 To 100, Deduct	*-20.32*	
		For >100, Deduct	*-29.02*	
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	227.82	
		For >25 To 50, Deduct	*-11.39*	
		For >50 To 100, Deduct	*-17.81*	
		For >100, Deduct	*-25.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	261.26	
		For >25 To 50, Deduct	*-13.06*	
		For >50 To 100, Deduct	*-20.32*	
		For >100, Deduct	*-29.02*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	2,738.13	437.92
26 05 13 16-0005	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,417.02	478.17
26 05 13 16-0006	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,211.37	540.26
26 05 13 16-0007	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,620.32	665.62
26 05 13 16-0008	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,438.86	749.55
26 05 13 16-0009	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,288.37	831.98
26 05 13 16-0010	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,336.73	934.81
26 05 13 16-0011	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,389.11	1,040.03
26 05 13 16-0012	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,147.44	1,241.76
26 05 13 16-0013	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,039.74	1,459.66
26 05 13 16-0014	MLF	750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	27,383.32	1,720.37
26 05 13 16-0015	MLF	1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	37,729.56	1,980.96

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*
Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	2,683.39
26 05 13 16-0018	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,261.63
26 05 13 16-0019	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,900.73
26 05 13 16-0020	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,099.17
26 05 13 16-0021	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,707.84
26 05 13 16-0022	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,453.88
26 05 13 16-0023	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,245.15
26 05 13 16-0024	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,139.77
26 05 13 16-0025	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,448.37
26 05 13 16-0026	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,845.15

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,359.61	260.48
26 05 13 16-0029	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,989.68	279.29
26 05 13 16-0030	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,831.86	353.19
26 05 13 16-0031	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,135.28	428.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0032	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,948.97	503.33
26 05 13 16-0033	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,791.17	575.61
26 05 13 16-0034	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,836.10	667.87
26 05 13 16-0035	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,099.50	840.22
26 05 13 16-0036	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,966.29	1,063.14
26 05 13 16-0037	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,063.52	1,335.74

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0002)*

26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	6,289.24	872.73
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,758.22	885.27
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,227.22	897.82
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,687.47	917.65
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,210.59	952.66
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	18,925.67	998.40
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	30,502.78	1,248.00
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	34,281.05	1,664.02

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0048	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,033.94	437.92
26 05 13 16-0049	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,816.92	478.17
26 05 13 16-0050	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,726.30	540.26
26 05 13 16-0051	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,529.29	602.91
26 05 13 16-0052	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,332.45	665.62
26 05 13 16-0053	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,260.56	749.55
26 05 13 16-0054	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,405.88	831.98
26 05 13 16-0055	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,596.66	934.81
26 05 13 16-0056	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,971.15	1,040.03
26 05 13 16-0057	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,955.17	1,241.76
26 05 13 16-0058	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	19,450.05	1,459.66
26 05 13 16-0059	MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	31,538.43	1,720.37
26 05 13 16-0060	MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	43,629.45	1,980.96

26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0062	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	2,979.20
26 05 13 16-0063	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,661.52
26 05 13 16-0064	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,415.66
26 05 13 16-0065	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,113.71
26 05 13 16-0066	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,811.31
26 05 13 16-0067	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,529.54
26 05 13 16-0068	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,571.39
26 05 13 16-0069	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,505.08
26 05 13 16-0070	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,721.81
26 05 13 16-0071	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,256.10
26 05 13 16-0072	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,255.46

26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0074	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		2,655.42	260.48
26 05 13 16-0075	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		3,389.58	279.29
26 05 13 16-0076	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		4,346.79	353.19
26 05 13 16-0077	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		5,096.37	390.70
26 05 13 16-0078	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		5,847.41	428.76
26 05 13 16-0079	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		6,770.67	503.33
26 05 13 16-0080	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		8,908.68	575.61
26 05 13 16-0081	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		10,096.03	667.87
26 05 13 16-0082	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		12,681.54	840.22
26 05 13 16-0083	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		14,774.02	1,063.14
26 05 13 16-0084	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		19,473.83	1,335.74
26 05 13 16-0085		15 KV Cable *(26 05 13 16-0001)*			
26 05 13 16-0086		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*			
26 05 13 16-0087		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*			
26 05 13 16-0088	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		6,441.09	872.73
26 05 13 16-0089	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		7,307.55	872.73
26 05 13 16-0090	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		7,638.05	872.73
26 05 13 16-0091	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		8,714.70	872.73
26 05 13 16-0092	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		9,736.60	872.73
26 05 13 16-0093	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		11,547.49	910.98
26 05 13 16-0094	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		11,948.95	910.98
26 05 13 16-0095	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		14,243.04	952.66
26 05 13 16-0096	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		16,652.90	975.01
26 05 13 16-0097	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct		21,030.36	1,098.24
26 05 13 16-0098		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*			
		Note: Excludes excavation.			
26 05 13 16-0099	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		6,699.26	
26 05 13 16-0100	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		7,775.90	
26 05 13 16-0101	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		8,797.80	
26 05 13 16-0102	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		10,620.76	
26 05 13 16-0103	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		11,022.21	
26 05 13 16-0104	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		13,366.70	
26 05 13 16-0105	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		15,779.29	
26 05 13 16-0106	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial		20,031.96	
26 05 13 16-0107		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*			
26 05 13 16-0108	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		6,479.40	372.11
26 05 13 16-0109	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		7,711.83	428.76
26 05 13 16-0110	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		8,938.76	503.33
26 05 13 16-0111	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)		10,852.91	575.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0112	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,508.02	667.87
26 05 13 16-0113	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,999.34	777.49
26 05 13 16-0114	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,706.57	905.96
26 05 13 16-0115	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,178.57	1,052.36

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

26 05 13 16-0117 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*

26 05 13 16-0118	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,207.76	872.73
26 05 13 16-0119	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,230.18	872.73
26 05 13 16-0120	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,620.17	872.73
26 05 13 16-0121	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,890.61	872.73
26 05 13 16-0122	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,096.45	872.73
26 05 13 16-0123	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,216.11	910.98
26 05 13 16-0124	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,689.84	910.98
26 05 13 16-0125	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,378.09	952.66
26 05 13 16-0126	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	19,211.67	975.01
26 05 13 16-0127	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	24,321.61	1,098.24

26 05 13 16-0128 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)*

Note: Excludes excavation.

26 05 13 16-0129	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,681.38	
26 05 13 16-0130	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,951.82	
26 05 13 16-0131	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,157.66	
26 05 13 16-0132	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,289.38	
26 05 13 16-0133	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,763.09	
26 05 13 16-0134	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,495.53	
26 05 13 16-0135	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,334.15	
26 05 13 16-0136	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	23,323.22	

26 05 13 16-0137 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*

26 05 13 16-0138	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,461.52	372.11
26 05 13 16-0139	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,887.75	428.76
26 05 13 16-0140	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,298.62	503.33
26 05 13 16-0141	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,521.53	575.61
26 05 13 16-0142	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,248.90	667.87
26 05 13 16-0143	MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,134.39	777.49
26 05 13 16-0144	MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,265.34	905.96
26 05 13 16-0145	MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	24,469.83	1,052.36

26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0085)*

26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,055.82	875.78
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,891.56	896.72
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	15,429.44	917.65
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	22,567.09	978.80

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0151		Shielded, Armored Copper, 15 KV, 3 Conductor Cable *(26 05 13 16-0085)*		
		Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		Galvanized Steel Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	40.50	6.67
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	52.37	7.11
26 05 13 16-0155		Aluminum Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	40.50	6.67
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	52.37	7.11
26 05 13 16-0158		Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable *(26 05 13 16-0085)*		
		Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,160.58	437.92
26 05 13 16-0160	MLF	#2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,988.11	478.17
26 05 13 16-0161	MLF	#1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,946.74	540.26
26 05 13 16-0162	MLF	1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,632.89	663.81
26 05 13 16-0163	MLF	2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,606.70	747.31
26 05 13 16-0164	MLF	3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,884.28	831.98
26 05 13 16-0165	MLF	4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,127.30	931.33
26 05 13 16-0166		15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	22,972.50	
26 05 13 16-0168		Wire Connections *(26 05 13 16-0001)*		
26 05 13 16-0169		Medium Voltage Up To 5 KV *(26 05 13 16-0168)*		
26 05 13 16-0170		Shielded One Conductor Cable Splice *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	367.29	44.16
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	657.24	44.16
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	657.24	44.16
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	670.39	52.99
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	670.39	52.99
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	670.39	52.99
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	687.91	61.82
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	687.91	61.82
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	687.91	61.82
26 05 13 16-0180		Cable Termination Without Stress Cone *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	720.60	52.99
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	824.56	61.82
26 05 13 16-0183		Cable Termination With Stress Cone *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,702.14	105.98
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,685.87	145.73
26 05 13 16-0186		Connect To Pothead, Pothead Included *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,877.27	105.98
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,811.98	121.45
26 05 13 16-0189		Two Conductor Pothead *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,349.39	145.73
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,950.50	185.48
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,739.36	210.29
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,128.24	245.35
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	14,011.13	367.99
26 05 13 16-0195		Three Conductor Pothead *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,663.58	211.97
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	10,418.31	247.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0198		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	46.24	
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	53.16	
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	61.85	
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	68.09	
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	77.78	
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	86.12	
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	93.88	
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	103.98	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	112.67	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	122.42	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	133.51	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	141.39	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	162.75	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	187.33	
26 05 13 16-0213		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	52.49	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	56.61	
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	79.49	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	106.77	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	113.47	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	120.01	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	134.31	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	144.76	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	153.74	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	164.13	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	173.53	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	208.80	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	244.77	
26 05 13 16-0227		**15 KV** *(26 05 13 16-0168)*		
26 05 13 16-0228		**Single Conductor Pothead On Racks** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,584.63	185.48
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,072.65	229.63
26 05 13 16-0231		**Two Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,207.02	282.63
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	2,716.55	335.62
26 05 13 16-0234		**Three Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	2,748.00	366.54
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	3,406.78	459.27
26 05 13 16-0237		**Stress Relief Cone On Rack** *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,373.04	185.48
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	1,834.76	229.63
26 05 13 16-0240		**Grounded, Shielded Cable Splice** *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	839.03	136.90
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,061.82	176.64
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	8,964.91	485.76
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,508.76	529.92
26 05 13 16-0245		**Cable Termination** *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	700.71	77.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.37*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	866.93	99.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.62*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,093.29	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	500.29	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 05 13 16-0250		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,332.62	57.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,539.62	63.45
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,891.46	69.44
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,531.78	80.00
26 05 13 16-0255		Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,665.29	115.02
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,079.79	126.89
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,777.71	136.30
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	5,063.54	160.01
26 05 13 16-0260		35 KV *(26 05 13 16-0168)*		
26 05 13 16-0261		35 KV One Conductor Splice *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,132.83	
26 05 13 16-0263		Cable Termination *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	765.15	53.03
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	966.41	80.02
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,197.45	85.58
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	585.48	44.16
26 05 13 16-0268		70 KV *(26 05 13 16-0168)*		
26 05 13 16-0269		Cable Splice *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	25,372.92	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	2,346.88	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 13-0001		Under Carpet Power System *(26 05 19 13)* Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.24	0.20
26 05 19 13-0003	LF	Steel, Top Shield	13.04	0.20
26 05 19 13-0004	EA	3-Conductor, Splice	28.94	3.43
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	5.04	1.62
26 05 19 13-0006	EA	3-Conductor, Tap	37.36	4.03
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	73.48	3.43
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	49.11	2.02
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	146.18	6.45
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	247.17	10.08
26 05 19 13-0011	EA	Floor Mounted Box With Cover	256.85	8.06
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	12.16	0.20
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	12.06	0.20
26 05 19 13-0014	EA	5-Conductor, Splice	29.57	3.43
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	68.44	2.02
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	91.65	8.06
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	53.29	6.65
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	75.95	7.66
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	34.13	3.02
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	1.84	0.20
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	18.61	4.03
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	18.61	4.03
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	103.42	20.16

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0001		Cable Installation Methods *(26 05 19 16)*		
26 05 19 16-0002		Pull Cord *(26 05 19 16-0001)* Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.15	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.09	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.37	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.28	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)* Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	1.83	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	2.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0010		**Wire and Cable** *(26 05 19 16)* Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0011		**600 Volt Wire** *(26 05 19 16-0010)*		
26 05 19 16-0012		**Single Solid Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0013	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	341.72	97.86
26 05 19 16-0014	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	452.36	115.11
26 05 19 16-0015	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	600.00	140.76
26 05 19 16-0016	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	482.20	97.86
26 05 19 16-0017	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	607.41	115.11
26 05 19 16-0018	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	767.53	140.76
26 05 19 16-0019		**Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0011)*		
26 05 19 16-0020		**Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable** *(26 05 19 16-0019)*		
26 05 19 16-0021	MLF	#16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	394.31	80.64
26 05 19 16-0022	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	454.99	96.77
26 05 19 16-0023	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	601.69	112.90
26 05 19 16-0024	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	806.45	129.03
26 05 19 16-0025	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,146.42	161.29
26 05 19 16-0026	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,712.62	193.54
26 05 19 16-0027	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,499.68	241.93
26 05 19 16-0028	MLF	#3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,038.69	274.19
26 05 19 16-0029	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,720.65	306.45
26 05 19 16-0030	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,889.70	338.70
26 05 19 16-0031	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,996.36	387.09
26 05 19 16-0032	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,373.14	435.47
26 05 19 16-0033	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,077.10	483.85
26 05 19 16-0034	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,197.89	532.24
26 05 19 16-0035	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,755.48	580.62
26 05 19 16-0036	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,339.43	629.01
26 05 19 16-0037	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	15,253.90	677.40
26 05 19 16-0038	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,277.55	725.78
26 05 19 16-0039	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	20,452.64	774.17
26 05 19 16-0040	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	23,910.40	838.68
26 05 19 16-0041	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	38,631.42	935.46
26 05 19 16-0042	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	55,989.67	1,096.74
26 05 19 16-0043		**Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable** *(26 05 19 16-0019)*		
26 05 19 16-0044	MLF	2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	909.98	193.50
26 05 19 16-0045	MLF	3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,203.70	225.84
26 05 19 16-0046	MLF	4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,537.77	274.19
26 05 19 16-0047	MLF	6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,024.01	298.26
26 05 19 16-0048	MLF	7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,277.65	314.47
26 05 19 16-0049	MLF	9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,784.27	346.69
26 05 19 16-0050	MLF	10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,116.41	361.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0051	MLF	12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,544.68	395.15
26 05 19 16-0052	MLF	14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,031.45	419.42
26 05 19 16-0053	MLF	24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,444.28	532.28
26 05 19 16-0054	MLF	37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,859.19	790.30
26 05 19 16-0055	MLF	2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,203.49	225.84
26 05 19 16-0056	MLF	3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,643.84	274.19
26 05 19 16-0057	MLF	4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,084.20	322.57
26 05 19 16-0058	MLF	2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,693.22	290.20
26 05 19 16-0059	MLF	3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,337.94	354.51
26 05 19 16-0060	MLF	4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,064.69	451.68
26 05 19 16-0061	MLF	6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,355.33	580.83
26 05 19 16-0062	MLF	9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,209.76	741.95
26 05 19 16-0063	MLF	2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,312.98	330.64
26 05 19 16-0064	MLF	3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,197.29	387.09
26 05 19 16-0065	MLF	4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,202.58	491.92
26 05 19 16-0066	MLF	2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,384.98	370.96
26 05 19 16-0067	MLF	3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,835.48	459.66
26 05 19 16-0068	MLF	4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,332.40	566.92
26 05 19 16-0069	MLF	2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,914.85	450.07
26 05 19 16-0070	MLF	3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,971.54	514.79
26 05 19 16-0071	MLF	4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,185.40	642.40
26 05 19 16-0072	MLF	2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,279.60	548.21
26 05 19 16-0073	MLF	3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,396.22	613.04
26 05 19 16-0074	MLF	4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,834.22	806.43
26 05 19 16-0075	MLF	3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,063.94	774.05
26 05 19 16-0076	MLF	4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	18,590.03	967.31
26 05 19 16-0077	MLF	3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,183.02	838.85
26 05 19 16-0078	MLF	3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,271.65	967.31
26 05 19 16-0079	MLF	3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	26,423.63	1,128.52
26 05 19 16-0080	MLF	4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	35,097.16	1,450.96
26 05 19 16-0081	MLF	3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,830.34	1,291.37
26 05 19 16-0082	MLF	3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,539.07	1,450.96
26 05 19 16-0083	MLF	3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	44,713.32	1,612.85
26 05 19 16-0084	MLF	3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	59,983.16	1,772.61

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)

Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	609.05
26 05 19 16-0087	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	722.32
26 05 19 16-0088	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	975.26
26 05 19 16-0089	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,330.50
26 05 19 16-0090	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,041.91
26 05 19 16-0091	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,762.35
26 05 19 16-0092	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,233.43
26 05 19 16-0093	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,501.23
26 05 19 16-0094	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,904.57
26 05 19 16-0095	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,551.44
26 05 19 16-0096	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,535.30
26 05 19 16-0097	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,980.39
26 05 19 16-0098	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,950.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0099	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,868.77	
26 05 19 16-0100	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,884.62	
26 05 19 16-0101	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,287.75	
26 05 19 16-0102	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,499.76	
26 05 19 16-0103	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	29,263.63	
26 05 19 16-0104	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	48,843.42	
26 05 19 16-0105	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	446.36	
26 05 19 16-0106	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	555.88	
26 05 19 16-0107	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	706.45	
26 05 19 16-0108	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	846.48	
26 05 19 16-0109	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,181.10	
26 05 19 16-0110	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,673.27	
26 05 19 16-0111	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,418.24	
26 05 19 16-0112	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,019.94	
26 05 19 16-0113	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,393.90	
26 05 19 16-0114	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,830.43	
26 05 19 16-0115	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,598.71	
26 05 19 16-0116	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,594.76	
26 05 19 16-0117	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,499.53	
26 05 19 16-0118	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,471.48	
26 05 19 16-0119	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,553.90	
26 05 19 16-0120	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,684.42	
26 05 19 16-0121	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,752.35	
26 05 19 16-0122	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,041.93	
26 05 19 16-0123	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	374.92	
26 05 19 16-0124	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	489.89	
26 05 19 16-0125	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	654.74	
26 05 19 16-0126	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,011.30	
26 05 19 16-0127	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,515.58	
26 05 19 16-0128	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,176.39	
26 05 19 16-0129	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,285.59	
26 05 19 16-0130	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,054.32	
26 05 19 16-0131	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,728.26	
26 05 19 16-0132	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,475.35	
26 05 19 16-0133	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,774.56	
26 05 19 16-0134	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,295.20	
26 05 19 16-0135	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,967.95	
26 05 19 16-0136	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,724.97	
26 05 19 16-0137	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,638.82	
26 05 19 16-0138	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,473.55	
26 05 19 16-0139	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,900.51	
26 05 19 16-0140	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,159.73	
26 05 19 16-0141	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	39,233.53	
26 05 19 16-0142	MLF	#2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,704.06	
26 05 19 16-0143	MLF	1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,556.44	
26 05 19 16-0144	MLF	2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,460.46	
26 05 19 16-0145	MLF	3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,820.35	
26 05 19 16-0146	MLF	4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,063.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0147	MLF	250 MCM,Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,951.91	
26 05 19 16-0148	MLF	350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,648.62	
26 05 19 16-0149	MLF	400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,434.60	
26 05 19 16-0150	MLF	500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,818.10	

26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0011)*

26 05 19 16-0152 ACTHH, Solid *(26 05 19 16-0151)*

26 05 19 16-0153	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	1,559.50	264.96
26 05 19 16-0154	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	1,827.23	300.29
26 05 19 16-0155	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	2,229.35	317.95
26 05 19 16-0156	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	1,927.76	441.61
26 05 19 16-0157	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	1,950.04	494.51
26 05 19 16-0158	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	2,891.05	547.90
26 05 19 16-0159	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	4,401.23	600.81
26 05 19 16-0160	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	2,544.18	494.51
26 05 19 16-0161	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	2,504.33	547.90
26 05 19 16-0162	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	3,645.73	618.51
26 05 19 16-0163	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	5,450.09	671.15
26 05 19 16-0164	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,259.29	547.90
26 05 19 16-0165	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,473.67	618.51
26 05 19 16-0166	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	4,949.62	688.95
26 05 19 16-0167	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,238.49	742.20

26 05 19 16-0168 ACTHH, Stranded *(26 05 19 16-0151)*

26 05 19 16-0169	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	4,489.97	636.31
26 05 19 16-0170	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	5,758.80	723.92
26 05 19 16-0171	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	5,538.68	706.57
26 05 19 16-0172	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	7,447.81	794.27
26 05 19 16-0173	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	10,090.94	883.21
26 05 19 16-0174	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	11,846.68	970.56
26 05 19 16-0175	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	13,865.58	1,059.02
26 05 19 16-0176	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,502.02	847.61
26 05 19 16-0177	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,578.31	935.58
26 05 19 16-0178	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	13,301.16	1,024.61
26 05 19 16-0179	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	14,634.53	1,112.36
26 05 19 16-0180	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,019.14	1,200.02

26 05 19 16-0181 HCFC, Solid *(26 05 19 16-0151)*

26 05 19 16-0182	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	2,445.18	441.61
26 05 19 16-0183	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	2,608.00	496.19
26 05 19 16-0184	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	2,966.60	545.20
26 05 19 16-0185	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	3,178.20	496.19
26 05 19 16-0186	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	3,339.71	545.20
26 05 19 16-0187	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	4,865.98	622.00
26 05 19 16-0188	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,257.56	545.20
26 05 19 16-0189	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,508.04	622.00
26 05 19 16-0190	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,039.21	690.01

26 05 19 16-0191 MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0151)*

26 05 19 16-0192	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,350.78	441.61
26 05 19 16-0193	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,596.47	496.19
26 05 19 16-0194	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,630.43	545.20
26 05 19 16-0195	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,781.94	582.61
26 05 19 16-0196	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,269.98	617.63
26 05 19 16-0197	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	2,852.95	496.19
26 05 19 16-0198	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,364.45	545.20
26 05 19 16-0199	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,979.41	622.00
26 05 19 16-0200	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,835.21	671.15
26 05 19 16-0201	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,769.24	723.92
26 05 19 16-0202	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,267.68	777.49
26 05 19 16-0203	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	20,796.24	830.08
26 05 19 16-0204	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,607.16	545.20
26 05 19 16-0205	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,158.21	622.00
26 05 19 16-0206	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,774.47	690.01
26 05 19 16-0207	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,655.45	760.09
26 05 19 16-0208	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,844.59	813.26
26 05 19 16-0209	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	25,618.25	865.90
26 05 19 16-0210	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	35,100.74	918.10

26 05 19 16-0211 MC, Solid Or Stranded, Aluminum Armor *(26 05 19 16-0151)*

26 05 19 16-0212	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	2,295.59	441.61
26 05 19 16-0213	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	2,453.37	496.19
26 05 19 16-0214	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	3,503.85	545.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0215	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	3,083.45	496.19
26 05 19 16-0216	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	3,237.30	545.20
26 05 19 16-0217	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,878.86	622.00
26 05 19 16-0218	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,702.98	545.20
26 05 19 16-0219	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,952.43	622.00
26 05 19 16-0220	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	8,774.47	690.01
26 05 19 16-0221		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0151)*		
		Note: Color coded red.		
26 05 19 16-0222	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,635.41	335.62
26 05 19 16-0223	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,949.89	388.62
26 05 19 16-0224	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,886.85	441.61
26 05 19 16-0225	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,526.58	494.60
26 05 19 16-0226	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,961.74	388.62
26 05 19 16-0227	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,602.54	441.61
26 05 19 16-0228	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,867.97	494.60
26 05 19 16-0229	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,624.02	547.59
26 05 19 16-0230		**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0151)*		
		Note: Color coded red.		
26 05 19 16-0231	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,233.14	441.61
26 05 19 16-0232	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,323.03	494.60
26 05 19 16-0233	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	6,385.42	547.59
26 05 19 16-0234	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	7,600.23	600.59
26 05 19 16-0235	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,437.19	494.60
26 05 19 16-0236	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	5,759.71	547.59
26 05 19 16-0237		**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0151)*		
		Note: Color coded red.		
26 05 19 16-0238	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,023.11	335.62
26 05 19 16-0239	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,091.98	494.60
26 05 19 16-0240	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,856.68	388.62
26 05 19 16-0241	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	4,655.80	441.61
26 05 19 16-0242	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,856.05	547.59
26 05 19 16-0243	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,494.26	459.27
26 05 19 16-0244	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,767.25	529.92
26 05 19 16-0245		**Armored Cable Connectors** *(26 05 19 16-0151)*		
26 05 19 16-0246	EA	3/4" Armored Cable Connector	3.22	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.73*	
26 05 19 16-0247	EA	1" Armored Cable Connector	4.30	1.29
		For Work In Restricted Working Space, Add	*0.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.97*	
26 05 19 16-0248	EA	1-1/4" Armored Cable Connector	5.46	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 19 16-0249		**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0011)*		
26 05 19 16-0250	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	587.43	64.64
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*51.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*120.93*	
26 05 19 16-0251	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	634.45	71.57
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*52.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*123.27*	
26 05 19 16-0252	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	836.77	89.48
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*77.13*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*179.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0253	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,248.57	142.34
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*126.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*295.87*	
26 05 19 16-0254	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,904.36	170.80
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*213.08*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*497.18*	
26 05 19 16-0255	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,753.88	198.30
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*322.36*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*752.17*	
26 05 19 16-0256	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,155.26	226.96
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*370.47*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*864.43*	
26 05 19 16-0257	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,256.47	255.63
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*523.55*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,221.63*	
26 05 19 16-0258	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,562.80	284.71
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*707.41*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,650.62*	
26 05 19 16-0259	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,857.74	321.20
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*883.50*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,061.51*	
26 05 19 16-0260	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,492.57	356.20
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,110.58*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,591.36*	
26 05 19 16-0261	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,461.72	397.65
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,387.81*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,238.22*	
26 05 19 16-0262	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,896.42	442.13
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,584.87*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,698.04*	
26 05 19 16-0263	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,570.87	484.90
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,667.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,891.76*	
26 05 19 16-0264	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,230.78	533.05
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,048.74*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,780.39*	
26 05 19 16-0265	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,162.06	565.10
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,320.28*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,414.00*	
26 05 19 16-0266	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,463.31	631.60
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,647.33*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,177.10*	
26 05 19 16-0267	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,630.41	702.44
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,104.25*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*7,243.24*	
26 05 19 16-0268	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,976.02	730.83
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,731.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*8,707.76*	
26 05 19 16-0269	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	46,767.89	759.17
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*6,664.39*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,550.24*	
26 05 19 16-0270	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	60,145.28	811.19
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*8,646.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*20,175.88*	
26 05 19 16-0271	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,140.08	145.08
26 05 19 16-0272	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,557.65	161.29
26 05 19 16-0273	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,012.95	193.71
26 05 19 16-0274	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,410.34	225.72
26 05 19 16-0275	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,207.34	241.69
26 05 19 16-0276	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	280.96	80.64
26 05 19 16-0277	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	348.90	88.71
26 05 19 16-0278	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	366.67	64.68
26 05 19 16-0279	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	478.09	77.10
26 05 19 16-0280	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	637.04	96.97
26 05 19 16-0281	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	980.42	127.82
26 05 19 16-0282	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,464.53	154.35
26 05 19 16-0283	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,097.72	182.42
26 05 19 16-0284	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,563.65	206.49
26 05 19 16-0285	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,161.77	231.24
26 05 19 16-0286	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,897.74	260.96
26 05 19 16-0287	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,545.35	285.76
26 05 19 16-0288	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,260.70	315.79
26 05 19 16-0289	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,501.88	334.02
26 05 19 16-0290	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,955.88	375.79
26 05 19 16-0291	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,554.73	399.78
26 05 19 16-0292	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,233.84	452.77
26 05 19 16-0293	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,062.31	501.07
26 05 19 16-0294	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,815.45	514.79
26 05 19 16-0295	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,084.97	544.62
26 05 19 16-0296	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	23,119.41	640.91
26 05 19 16-0297	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	37,468.94	759.17
26 05 19 16-0298	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	45,174.41	916.59
26 05 19 16-0299	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,083.89	193.71
26 05 19 16-0300	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,260.28	225.72
26 05 19 16-0301	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,637.87	258.26
26 05 19 16-0302	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,663.02	290.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0303	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,184.29	322.57
26 05 19 16-0304	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,631.63	354.51

26 05 19 16-0305 600 Volt, Single Stranded Copper, Low Smoke Zero Halogen *(26 05 19 16-0011)*

26 05 19 16-0306	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	493.08	64.68
26 05 19 16-0307	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	666.83	77.10
26 05 19 16-0308	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	954.73	96.97
26 05 19 16-0309	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,559.31	127.82
26 05 19 16-0310	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,435.61	154.35
26 05 19 16-0311	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,296.98	182.42
26 05 19 16-0312	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,052.71	206.49
26 05 19 16-0313	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,048.93	231.24
26 05 19 16-0314	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,820.28	260.96
26 05 19 16-0315	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,751.35	285.76
26 05 19 16-0316	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	7,873.81	315.79
26 05 19 16-0317	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,834.52	334.02
26 05 19 16-0318	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	12,138.72	375.79
26 05 19 16-0319	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	13,990.48	399.78
26 05 19 16-0320	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	16,572.20	452.77
26 05 19 16-0321	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	19,376.99	501.07
26 05 19 16-0322	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	21,426.34	514.79
26 05 19 16-0323	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	26,318.50	544.62
26 05 19 16-0324	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	31,468.35	640.91
26 05 19 16-0325	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	41,544.46	759.17
26 05 19 16-0326	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	54,527.84	916.59

26 05 19 16-0327 600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0011)*

26 05 19 16-0328	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	824.86	133.83
26 05 19 16-0329	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	993.40	155.62
26 05 19 16-0330	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,319.72	199.75
26 05 19 16-0331	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,759.05	223.07
26 05 19 16-0332	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,070.02	251.31
26 05 19 16-0333	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,397.27	277.37
26 05 19 16-0334	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,899.10	313.03
26 05 19 16-0335	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,215.30	345.36
26 05 19 16-0336	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,820.45	379.66
26 05 19 16-0337	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,998.14	412.88
26 05 19 16-0338	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,146.72	446.08
26 05 19 16-0339	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,953.91	496.16
26 05 19 16-0340	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,564.54	546.23
26 05 19 16-0341	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,177.95	636.29
26 05 19 16-0342	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,348.18	697.55
26 05 19 16-0343	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,490.40	723.41
26 05 19 16-0344	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,630.60	877.55
26 05 19 16-0345	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	939.54	143.18
26 05 19 16-0346	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,054.93	161.29
26 05 19 16-0347	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,299.35	198.43
26 05 19 16-0348	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,698.50	243.21
26 05 19 16-0349	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,312.75	286.33
26 05 19 16-0350	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,723.11	322.70
26 05 19 16-0351	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,160.80	358.42
26 05 19 16-0352	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,790.85	391.04
26 05 19 16-0353	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,166.56	416.15
26 05 19 16-0354	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,929.72	445.27
26 05 19 16-0355	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,464.57	477.20
26 05 19 16-0356	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,647.40	515.51
26 05 19 16-0357	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,670.60	562.16
26 05 19 16-0358	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,523.33	645.14
26 05 19 16-0359	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,453.19	678.93
26 05 19 16-0360	MLF	700 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,897.10	715.79
26 05 19 16-0361	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,112.65	760.70
26 05 19 16-0362	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	17,866.95	1,066.09
26 05 19 16-0363	MLF	#6 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	801.81	161.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0364	MLF	#4 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,008.37	198.39
26 05 19 16-0365	MLF	#2 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,269.39	243.54
26 05 19 16-0366	MLF	#1 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,656.96	284.71
26 05 19 16-0367	MLF	1/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,873.48	321.20
26 05 19 16-0368	MLF	2/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,143.22	356.20
26 05 19 16-0369	MLF	3/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,549.20	391.04
26 05 19 16-0370	MLF	4/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,816.97	416.15
26 05 19 16-0371	MLF	250 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,276.25	444.99
26 05 19 16-0372	MLF	300 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,155.46	477.81
26 05 19 16-0373	MLF	350 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,365.33	516.19
26 05 19 16-0374	MLF	400 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,864.25	560.87
26 05 19 16-0375	MLF	500 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,598.74	645.14
26 05 19 16-0376	MLF	600 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,589.72	677.11
26 05 19 16-0377	MLF	700 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,415.29	715.79
26 05 19 16-0378	MLF	750 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,658.49	758.40

26 05 19 16-0379 Non-Metallic Sheathed Cable *(26 05 19 16-0011)*

26 05 19 16-0380 Indoor Installation *(26 05 19 16-0379)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0381	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,238.85	306.41
		For Installation In Wood Stud Wall (Includes Drilling), Add	*114.90*	
26 05 19 16-0382	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,946.70	370.96
		For Installation In Wood Stud Wall (Includes Drilling), Add	*139.11*	
26 05 19 16-0383	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,735.48	410.47
		For Installation In Wood Stud Wall (Includes Drilling), Add	*153.93*	
26 05 19 16-0384	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,369.02	348.37
		For Installation In Wood Stud Wall (Includes Drilling), Add	*123.99*	
26 05 19 16-0385	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,772.13	387.01
		For Installation In Wood Stud Wall (Includes Drilling), Add	*145.13*	
26 05 19 16-0386	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,511.25	432.24
		For Installation In Wood Stud Wall (Includes Drilling), Add	*162.09*	
26 05 19 16-0387	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,475.83	387.21
		For Installation In Wood Stud Wall (Includes Drilling), Add	*145.21*	
26 05 19 16-0388	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,783.09	451.68
		For Installation In Wood Stud Wall (Includes Drilling), Add	*169.38*	
26 05 19 16-0389	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,703.79	516.11
		For Installation In Wood Stud Wall (Includes Drilling), Add	*193.54*	
26 05 19 16-0390	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,420.42	463.69
		For Installation In Wood Stud Wall (Includes Drilling), Add	*165.12*	
26 05 19 16-0391	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	14,900.32	560.46
		For Installation In Wood Stud Wall (Includes Drilling), Add	*199.59*	
26 05 19 16-0392	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	15,773.97	528.21
		For Installation In Wood Stud Wall (Includes Drilling), Add	*187.49*	
26 05 19 16-0393	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	21,716.93	637.08
		For Installation In Wood Stud Wall (Includes Drilling), Add	*226.81*	
26 05 19 16-0394	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	57,858.65	701.59
		For Installation In Wood Stud Wall (Includes Drilling), Add	*249.49*	
26 05 19 16-0395	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	68,025.78	762.07
		For Installation In Wood Stud Wall (Includes Drilling), Add	*272.17*	

26 05 19 16-0396 Direct Burial Cable *(26 05 19 16-0379)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0397	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	1,150.44	
26 05 19 16-0398	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	1,597.62	
26 05 19 16-0399	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	1,522.39	
26 05 19 16-0400	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,280.60	
26 05 19 16-0401	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	1,821.20	
26 05 19 16-0402	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,047.81	
26 05 19 16-0403	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,692.31	
26 05 19 16-0404	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,913.87	
26 05 19 16-0405	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,886.33	
26 05 19 16-0406	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,853.30	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0407			**SEU Cable Copper, 3 Conductor** *(26 05 19 16-0379)*		
26 05 19 16-0408		MLF	12-12-12 Cable SEU Copper	1,689.82	388.75
26 05 19 16-0409		MLF	10-10-10 Cable SEU Copper	2,387.52	441.61
26 05 19 16-0410		MLF	8-8-8 Cable SEU Copper	3,287.87	494.51
26 05 19 16-0411		MLF	6-6-8 Cable SEU Copper	4,357.99	530.14
26 05 19 16-0412		MLF	6-6-6 Cable SEU Copper	4,817.33	547.90
26 05 19 16-0413		MLF	4-4-6 Cable SEU Copper	6,260.34	600.81
26 05 19 16-0414		MLF	4-4-4 Cable SEU Copper	6,912.81	618.51
26 05 19 16-0415		MLF	3-3-5 Cable SEU Copper	8,332.64	671.15
26 05 19 16-0416		MLF	3-3-3 Cable SEU Copper	8,887.15	706.57
26 05 19 16-0417		MLF	2-2-4 Cable SEU Copper	9,567.01	742.20
26 05 19 16-0418		MLF	2-2-2 Cable SEU Copper	10,321.49	777.49
26 05 19 16-0419		MLF	1-1-1 Cable SEU Copper	13,031.53	883.21
26 05 19 16-0420		MLF	1/0-1/0-1/0 Cable SEU Copper	15,862.65	990.17
26 05 19 16-0421		MLF	2/0-2/0-2/0 Cable SEU Copper	19,550.31	1,115.19
26 05 19 16-0422		MLF	3/0-3/0-3/0 Cable SEU Copper	24,110.00	1,240.47
26 05 19 16-0423		MLF	4/0-4/0-4/0 Cable SEU Copper	26,955.55	1,384.34
26 05 19 16-0424			**SEU Cable Aluminum, 3 Conductor** *(26 05 19 16-0379)*		
26 05 19 16-0425		MLF	8-8-8 Cable SEU Aluminum	2,265.16	496.19
26 05 19 16-0426		MLF	6-6-6 Cable SEU Aluminum	2,680.41	545.20
26 05 19 16-0427		MLF	4-4-6 Cable SEU Aluminum	3,084.77	596.78
26 05 19 16-0428		MLF	4-4-4 Cable SEU Aluminum	3,244.05	622.00
26 05 19 16-0429		MLF	2-2-4 Cable SEU Aluminum	3,920.70	736.02
26 05 19 16-0430		MLF	2-2-2 Cable SEU Aluminum	4,193.43	774.75
26 05 19 16-0431		MLF	1-1-1 Cable SEU Aluminum	5,265.99	883.21
26 05 19 16-0432		MLF	1/0-1/0-2 Cable SEU Aluminum	5,599.57	929.71
26 05 19 16-0433		MLF	1/0-1/0-1/0 Cable SEU Aluminum	7,523.60	981.33
26 05 19 16-0434		MLF	2/0-2/0-1 Cable SEU Aluminum	6,313.76	1,051.46
26 05 19 16-0435		MLF	2/0-2/0-2/0 Cable SEU Aluminum	6,702.37	1,104.01
26 05 19 16-0436		MLF	3/0-3/0-1/0 Cable SEU Aluminum	7,526.49	1,156.03
26 05 19 16-0437		MLF	3/0-3/0-3/0 Cable SEU Aluminum	8,100.82	1,226.69
26 05 19 16-0438		MLF	4/0-4/0-2/0 Cable SEU Aluminum	8,402.57	1,326.14
26 05 19 16-0439		MLF	4/0-4/0-4/0 Cable SEU Aluminum	8,973.64	1,380.02
26 05 19 16-0440			**SER Cable Copper, 4 Conductor** *(26 05 19 16-0379)*		
26 05 19 16-0441		MLF	6-6-6-6 Cable SER Copper	8,546.15	636.31
26 05 19 16-0442		MLF	4-4-4-6 Cable SER Copper	9,420.36	688.95
26 05 19 16-0443		MLF	3-3-3-5 Cable SER Copper	12,097.70	777.49
26 05 19 16-0444		MLF	2-2-2-4 Cable SER Copper	14,085.51	847.61
26 05 19 16-0445		MLF	1-1-1-3 Cable SER Copper	16,513.60	970.56
26 05 19 16-0446		MLF	1/0-1/0-1/0-2 Cable SER Copper	20,500.15	1,112.36
26 05 19 16-0447		MLF	2/0-2/0-2/0-1 Cable SER Copper	26,760.34	1,200.02
26 05 19 16-0448		MLF	3/0-3/0-3/0-1/0 Cable SER Copper	31,152.91	1,342.26
26 05 19 16-0449			**SER Cable Aluminum, 4 Conductor** *(26 05 19 16-0379)*		
26 05 19 16-0450		MLF	8-8-8-8 Cable SER Aluminum	2,819.58	593.91
26 05 19 16-0451		MLF	6-6-6-6 Cable SER Aluminum	3,120.40	636.31
26 05 19 16-0452		MLF	4-4-4-6 Cable SER Aluminum	3,590.00	688.95
26 05 19 16-0453		MLF	2-2-2-4 Cable SER Aluminum	4,606.41	847.61
26 05 19 16-0454		MLF	1-1-1-3 Cable SER Aluminum	5,753.39	970.56
26 05 19 16-0455		MLF	1/0-1/0-1/0-2 Cable SER Aluminum	6,433.65	1,112.36
26 05 19 16-0456		MLF	2/0-2/0-2/0-1 Cable SER Aluminum	7,383.90	1,200.02
26 05 19 16-0457		MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	8,506.02	1,342.26
26 05 19 16-0458		MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	9,778.37	1,495.67
26 05 19 16-0459			**Control Tray Cable, Low Voltage** *(26 05 19 16-0010)*		
			Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0460		MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	725.74	195.60
			For Work In Restricted Working Space, Add	*97.80*	
26 05 19 16-0461		MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	878.62	218.80
			For Work In Restricted Working Space, Add	*109.40*	
26 05 19 16-0462		MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	983.31	218.78
			For Work In Restricted Working Space, Add	*109.40*	
26 05 19 16-0463		MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,228.29	274.42
			For Work In Restricted Working Space, Add	*137.21*	
26 05 19 16-0464		MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,613.79	334.41
			For Work In Restricted Working Space, Add	*167.20*	
26 05 19 16-0465		MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	1,926.31	367.73
			For Work In Restricted Working Space, Add	*183.86*	
26 05 19 16-0466		MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,409.56	417.83
			For Work In Restricted Working Space, Add	*208.92*	
26 05 19 16-0467		MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,154.45	510.71
			For Work In Restricted Working Space, Add	*255.36*	
26 05 19 16-0468		MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,764.85	557.16
			For Work In Restricted Working Space, Add	*278.58*	

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26 05 19 16-0469	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,974.06	574.58
		For Work In Restricted Working Space, Add	*287.29*	
26 05 19 16-0470	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	6,021.76	717.80
		For Work In Restricted Working Space, Add	*358.90*	
26 05 19 16-0471	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	7,356.17	838.89
		For Work In Restricted Working Space, Add	*419.45*	
26 05 19 16-0472	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	842.80	206.05
		For Work In Restricted Working Space, Add	*102.94*	
26 05 19 16-0473	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,026.30	230.32
		For Work In Restricted Working Space, Add	*115.16*	
26 05 19 16-0474	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,215.22	265.15
		For Work In Restricted Working Space, Add	*132.58*	
26 05 19 16-0475	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,445.10	288.86
		For Work In Restricted Working Space, Add	*144.43*	
26 05 19 16-0476	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	1,907.25	352.00
		For Work In Restricted Working Space, Add	*176.00*	
26 05 19 16-0477	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,286.93	387.09
		For Work In Restricted Working Space, Add	*193.54*	
26 05 19 16-0478	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,874.50	439.82
		For Work In Restricted Working Space, Add	*219.91*	
26 05 19 16-0479	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,775.01	537.56
		For Work In Restricted Working Space, Add	*268.78*	
26 05 19 16-0480	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,522.70	586.44
		For Work In Restricted Working Space, Add	*293.22*	
26 05 19 16-0481	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	6,028.57	604.82
		For Work In Restricted Working Space, Add	*302.41*	
26 05 19 16-0482	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	7,291.01	755.54
		For Work In Restricted Working Space, Add	*377.77*	
26 05 19 16-0483	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	8,919.25	883.04
		For Work In Restricted Working Space, Add	*441.52*	
26 05 19 16-0484	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	965.21	215.07
		For Work In Restricted Working Space, Add	*107.54*	
26 05 19 16-0485	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,247.91	241.93
		For Work In Restricted Working Space, Add	*120.97*	
26 05 19 16-0486	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,507.81	276.52
		For Work In Restricted Working Space, Add	*138.26*	
26 05 19 16-0487	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,781.23	297.82
		For Work In Restricted Working Space, Add	*148.91*	
26 05 19 16-0488	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,571.45	365.07
		For Work In Restricted Working Space, Add	*182.54*	
26 05 19 16-0489	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	3,075.34	403.22
		For Work In Restricted Working Space, Add	*201.65*	
26 05 19 16-0490	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	4,057.35	449.99
		For Work In Restricted Working Space, Add	*224.99*	
26 05 19 16-0491	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,845.74	537.48
		For Work In Restricted Working Space, Add	*268.78*	
26 05 19 16-0492	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	9,987.24	624.57
		For Work In Restricted Working Space, Add	*312.21*	
26 05 19 16-0493	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	7,736.87	730.22
		For Work In Restricted Working Space, Add	*365.19*	
26 05 19 16-0494	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	9,201.35	816.03
		For Work In Restricted Working Space, Add	*408.01*	
26 05 19 16-0495	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	11,271.25	953.68
		For Work In Restricted Working Space, Add	*476.84*	
26 05 19 16-0496	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,252.34	230.32
		For Work In Restricted Working Space, Add	*115.16*	
26 05 19 16-0497	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,626.18	254.83
		For Work In Restricted Working Space, Add	*127.37*	
26 05 19 16-0498	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,082.89	293.22
		For Work In Restricted Working Space, Add	*146.61*	
26 05 19 16-0499	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,483.14	312.09
		For Work In Restricted Working Space, Add	*156.04*	
26 05 19 16-0500	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,523.01	372.08
		For Work In Restricted Working Space, Add	*186.04*	
26 05 19 16-0501	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	4,468.70	439.82
		For Work In Restricted Working Space, Add	*219.91*	
26 05 19 16-0502	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	5,680.97	496.19
		For Work In Restricted Working Space, Add	*248.10*	
26 05 19 16-0503	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	6,897.27	569.26
		For Work In Restricted Working Space, Add	*284.63*	
26 05 19 16-0504	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	8,332.54	645.22
		For Work In Restricted Working Space, Add	*322.61*	
26 05 19 16-0505	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	11,131.33	754.09
		For Work In Restricted Working Space, Add	*377.05*	
26 05 19 16-0506	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	12,838.81	881.34
		For Work In Restricted Working Space, Add	*440.67*	
26 05 19 16-0507	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	15,755.46	1,030.13
		For Work In Restricted Working Space, Add	*515.06*	
26 05 19 16-0508	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,699.99	241.93
		For Work In Restricted Working Space, Add	*120.97*	
26 05 19 16-0509	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,357.34	265.32
		For Work In Restricted Working Space, Add	*132.58*	
26 05 19 16-0510	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	3,002.38	302.41
		For Work In Restricted Working Space, Add	*151.20*	
26 05 19 16-0511	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,639.98	328.05
		For Work In Restricted Working Space, Add	*164.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0512	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	5,135.75	411.76
		For Work In Restricted Working Space, Add	*205.88*	
26 05 19 16-0513	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	6,264.54	460.87
		For Work In Restricted Working Space, Add	*230.44*	
26 05 19 16-0514	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	7,296.53	537.56
		For Work In Restricted Working Space, Add	*268.78*	
26 05 19 16-0515	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	8,757.62	614.74
		For Work In Restricted Working Space, Add	*307.37*	
26 05 19 16-0516	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	10,595.58	696.75
		For Work In Restricted Working Space, Add	*348.38*	
26 05 19 16-0517	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	14,194.08	814.33
		For Work In Restricted Working Space, Add	*407.17*	
26 05 19 16-0518	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	16,367.12	951.75
		For Work In Restricted Working Space, Add	*475.88*	
26 05 19 16-0519	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	20,104.53	1,112.63
		For Work In Restricted Working Space, Add	*556.31*	

26 05 19 16-0520 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0010)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0521 ACSR Cable *(26 05 19 16-0520)*

26 05 19 16-0522	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,049.46	241.56
26 05 19 16-0523	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,152.79	250.83
26 05 19 16-0524	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,314.28	260.48
26 05 19 16-0525	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,417.43	269.91
26 05 19 16-0526	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,720.42	279.07
26 05 19 16-0527	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,062.16	316.35
26 05 19 16-0528	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,470.99	352.80
26 05 19 16-0529	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,946.86	389.75
26 05 19 16-0530	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	3,161.57	500.87
26 05 19 16-0531	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	3,564.76	574.54

26 05 19 16-0532 All Aluminum Conductors *(26 05 19 16-0520)*

26 05 19 16-0533	MLF	795.0 ACSR Conductor Aluminum	22,039.90	4,992.00

26 05 19 16-0534 Single Conductor Installed On Poles *(26 05 19 16-0010)*

26 05 19 16-0535 Bare Stranded Conductor *(26 05 19 16-0534)*

26 05 19 16-0536	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	783.25	204.67
26 05 19 16-0537	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,003.40	223.09
26 05 19 16-0538	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,224.18	241.73
26 05 19 16-0539	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,682.59	260.48
26 05 19 16-0540	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,237.39	279.29
26 05 19 16-0541	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,537.72	335.00
26 05 19 16-0542	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,131.37	372.11
26 05 19 16-0543	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,796.80	408.56
26 05 19 16-0544	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,757.72	484.57
26 05 19 16-0545	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,358.75	557.13
26 05 19 16-0546	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,800.37	631.42
26 05 19 16-0547	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,421.78	744.16
26 05 19 16-0548	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,570.46	783.35
26 05 19 16-0549	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	15,253.71	820.35
26 05 19 16-0550	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	17,126.31	854.01
26 05 19 16-0551	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	20,504.41	890.45

26 05 19 16-0552 Insulated Stranded Conductor *(26 05 19 16-0534)*

26 05 19 16-0553	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	931.99	204.67
26 05 19 16-0554	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,195.31	223.09
26 05 19 16-0555	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,603.04	241.73
26 05 19 16-0556	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,754.30	260.48
26 05 19 16-0557	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,346.80	279.29
26 05 19 16-0558	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,379.71	335.00
26 05 19 16-0559	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,115.60	372.11
26 05 19 16-0560	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,016.81	408.56
26 05 19 16-0561	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,082.11	484.57
26 05 19 16-0562	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,417.02	557.13
26 05 19 16-0563	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,873.84	631.42
26 05 19 16-0564	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,972.28	744.16
26 05 19 16-0565	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,760.28	783.35
26 05 19 16-0566	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	14,192.35	820.35
26 05 19 16-0567	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,246.30	854.01
26 05 19 16-0568	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	18,632.65	890.45

26 05 19 16-0569 Bare Solid Conductor *(26 05 19 16-0534)*

26 05 19 16-0570	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	783.25	204.67
26 05 19 16-0571	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,224.18	241.73
26 05 19 16-0572	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,682.59	260.48
26 05 19 16-0573	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,192.18	279.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0574		Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0010)*		
26 05 19 16-0575		Multi-Conductor Cords *(26 05 19 16-0574)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0576		Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0575)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0577		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0576)*		
26 05 19 16-0578		#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0579	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.53	0.18
26 05 19 16-0580	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.57	0.18
26 05 19 16-0581	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.67	0.18
26 05 19 16-0582		#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0583	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.62	0.18
26 05 19 16-0584	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.68	0.18
26 05 19 16-0585	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.76	0.18
26 05 19 16-0586		#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0587	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.73	0.18
26 05 19 16-0588	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.83	0.18
26 05 19 16-0589	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.01	0.18
26 05 19 16-0590		#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0591	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.89	0.18
26 05 19 16-0592	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.00	0.18
26 05 19 16-0593	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.16	0.18
26 05 19 16-0594		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0595	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.22	0.22
26 05 19 16-0596	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.30	0.22
26 05 19 16-0597	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.42	0.22
26 05 19 16-0598		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0576)*		
26 05 19 16-0599		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0600	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.57	0.18
26 05 19 16-0601	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.64	0.18
26 05 19 16-0602	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.73	0.18
26 05 19 16-0603	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.38	0.24
26 05 19 16-0604	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.52	0.24
26 05 19 16-0605	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.64	0.25
26 05 19 16-0606	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.82	0.26
26 05 19 16-0607	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.12	0.27
26 05 19 16-0608	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.46	0.28
26 05 19 16-0609	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.35	0.28
26 05 19 16-0610	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.41	0.29
26 05 19 16-0611	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.50	0.30
26 05 19 16-0612	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.93	0.30
26 05 19 16-0613	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.05	0.31
26 05 19 16-0614	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.27	0.33
26 05 19 16-0615		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0616	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.68	0.18
26 05 19 16-0617	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.74	0.18
26 05 19 16-0618	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.85	0.18
26 05 19 16-0619	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.45	0.24
26 05 19 16-0620	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.62	0.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0621	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.80	0.25
26 05 19 16-0622	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.02	0.26
26 05 19 16-0623	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.11	0.26
26 05 19 16-0624	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.37	0.27
26 05 19 16-0625	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.82	0.28
26 05 19 16-0626	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.04	0.28
26 05 19 16-0627	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.47	0.29
26 05 19 16-0628	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.06	0.30
26 05 19 16-0629	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.59	0.30
26 05 19 16-0630	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.62	0.31
26 05 19 16-0631	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.22	0.32
26 05 19 16-0632	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.29	0.33

26 05 19 16-0633 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0598)

26 05 19 16-0634	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.84	0.18
26 05 19 16-0635	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.91	0.18
26 05 19 16-0636	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.08	0.18
26 05 19 16-0637	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.98	0.24
26 05 19 16-0638	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.42	0.24
26 05 19 16-0639	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.58	0.25
26 05 19 16-0640	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.26
26 05 19 16-0641	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.17	0.26
26 05 19 16-0642	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.57	0.27
26 05 19 16-0643	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.95	0.28
26 05 19 16-0644	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.39	0.28
26 05 19 16-0645	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.34	0.29
26 05 19 16-0646	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.02	0.30
26 05 19 16-0647	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.16	0.31
26 05 19 16-0648	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.53	0.33

26 05 19 16-0649 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0598)

26 05 19 16-0650	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.01	0.18
26 05 19 16-0651	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.14	0.18
26 05 19 16-0652	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.26	0.18
26 05 19 16-0653	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.31	0.24
26 05 19 16-0654	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.72	0.24
26 05 19 16-0655	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.15	0.25
26 05 19 16-0656	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.60	0.26
26 05 19 16-0657	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.92	0.26
26 05 19 16-0658	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.48	0.27
26 05 19 16-0659	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.14	0.28
26 05 19 16-0660	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.75	0.28
26 05 19 16-0661	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.36	0.29
26 05 19 16-0662	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.65	0.30
26 05 19 16-0663	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.72	0.30
26 05 19 16-0664	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.81	0.31
26 05 19 16-0665	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.92	0.32
26 05 19 16-0666	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.26	0.32
26 05 19 16-0667	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.64	0.33

26 05 19 16-0668 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0598)

26 05 19 16-0669	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.19	0.22
26 05 19 16-0670	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.30	0.22
26 05 19 16-0671	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.41	0.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0672	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.96	0.24
26 05 19 16-0673	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.40	0.24
26 05 19 16-0674	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.05	0.25
26 05 19 16-0675	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.29	0.27
26 05 19 16-0676	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.10	0.28
26 05 19 16-0677	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.86	0.29
26 05 19 16-0678	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.59	0.30
26 05 19 16-0679		#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0680	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.56	0.26
26 05 19 16-0681	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.81	0.31
26 05 19 16-0682	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.97	0.31
26 05 19 16-0683		#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0684	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.82	0.31
26 05 19 16-0685	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.63	0.35
26 05 19 16-0686	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.55	0.44
26 05 19 16-0687		#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0688	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.18	0.44
26 05 19 16-0689	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.81	0.48
26 05 19 16-0690	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.28	0.53
26 05 19 16-0691		#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0598)*		
26 05 19 16-0692	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.95	0.89
26 05 19 16-0693	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.42	1.10
26 05 19 16-0694	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.62	1.45
26 05 19 16-0695		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0576)*		
26 05 19 16-0696		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0695)*		
26 05 19 16-0697	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	0.77	0.18
26 05 19 16-0698	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	0.87	0.18
26 05 19 16-0699	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.08	0.18
26 05 19 16-0700		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0695)*		
26 05 19 16-0701	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	0.83	0.18
26 05 19 16-0702	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.00	0.18
26 05 19 16-0703	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.08	0.18
26 05 19 16-0704		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0695)*		
26 05 19 16-0705	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.25	0.18
26 05 19 16-0706	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.94	0.18
26 05 19 16-0707	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.54	0.22
26 05 19 16-0708		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0576)*		
26 05 19 16-0709		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0708)*		
26 05 19 16-0710	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.20	0.18
26 05 19 16-0711	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.49	0.18
26 05 19 16-0712	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.79	0.18
26 05 19 16-0713		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0708)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0714	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.30	0.18
26 05 19 16-0715	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.60	0.18
26 05 19 16-0716	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.06	0.18
26 05 19 16-0717	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.24	0.22
26 05 19 16-0718		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0708)*		
26 05 19 16-0719	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.67	0.18
26 05 19 16-0720	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.05	0.18
26 05 19 16-0721	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.30	0.22
26 05 19 16-0722		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0708)*		
26 05 19 16-0723	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.02	0.18
26 05 19 16-0724	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.36	0.18
26 05 19 16-0725	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.65	0.22
26 05 19 16-0726		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0708)*		
26 05 19 16-0727	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.34	0.22
26 05 19 16-0728	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.64	0.22
26 05 19 16-0729	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.93	0.22
26 05 19 16-0730		Multi-Conductor Type SEOW Cord *(26 05 19 16-0575)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0731		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0730)*		
26 05 19 16-0732		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0731)*		
26 05 19 16-0733	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	0.84	0.18
26 05 19 16-0734	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	0.96	0.18
26 05 19 16-0735	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.58	0.22
26 05 19 16-0736		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0731)*		
26 05 19 16-0737	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.19	0.18
26 05 19 16-0738	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.41	0.18
26 05 19 16-0739	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.13	0.22
26 05 19 16-0740		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0731)*		
26 05 19 16-0741	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.55	0.18
26 05 19 16-0742	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.84	0.18
26 05 19 16-0743	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36	0.22
26 05 19 16-0744		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0731)*		
26 05 19 16-0745	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.02	0.22
26 05 19 16-0746	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36	0.22
26 05 19 16-0747	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.54	0.22
26 05 19 16-0748		Multi-Conductor Type W Cord *(26 05 19 16-0575)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0749		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0748)*		
26 05 19 16-0750		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0749)*		
26 05 19 16-0751	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	2.85	0.26
26 05 19 16-0752	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.08	0.31
26 05 19 16-0753	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.70	0.31
26 05 19 16-0754		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0749)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0755	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.05	0.31
26 05 19 16-0756	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.64	0.35
26 05 19 16-0757	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.55	0.44
26 05 19 16-0758		**#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0749)*		
26 05 19 16-0759	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.31	0.31
26 05 19 16-0760	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.10	0.35
26 05 19 16-0761	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.59	0.44
26 05 19 16-0762		**Cord Grips, Cable Reels, Extension Cords, And Accessories** *(26 05 19 16-0574)*		
26 05 19 16-0763		**Cord Grips** *(26 05 19 16-0762)*		
26 05 19 16-0764	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	30.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.03*	
26 05 19 16-0765	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	31.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.03*	
26 05 19 16-0766		**Cable Reels** *(26 05 19 16-0762)*		
		Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0574 for cords.		
26 05 19 16-0767	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	619.61	22.08
26 05 19 16-0768	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,856.01	22.08
26 05 19 16-0769	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,367.27	22.08
26 05 19 16-0770		**Extension Cords For Cable Reel** *(26 05 19 16-0762)*		
26 05 19 16-0771	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	193.98	
26 05 19 16-0772	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	286.37	
26 05 19 16-0773		**Plugs And Connector Bodies** *(26 05 19 16-0762)*		
		Note: Up to 277 volt		
26 05 19 16-0774		**NEMA Twist-Lock Plugs** *(26 05 19 16-0773)*		
26 05 19 16-0775	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	43.10	
26 05 19 16-0776	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	44.72	
26 05 19 16-0777	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	37.91	
26 05 19 16-0778	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	42.90	
26 05 19 16-0779	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	66.28	
26 05 19 16-0780	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	72.61	
26 05 19 16-0781	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	78.81	
26 05 19 16-0782	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	67.22	
26 05 19 16-0783	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	82.45	
26 05 19 16-0784	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	85.41	
26 05 19 16-0785	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	89.19	
26 05 19 16-0786		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0773)*		
26 05 19 16-0787	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	47.68	
26 05 19 16-0788	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	53.41	
26 05 19 16-0789	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	41.35	
26 05 19 16-0790	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	67.22	
26 05 19 16-0791	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	83.93	
26 05 19 16-0792	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	92.02	
26 05 19 16-0793	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	119.23	
26 05 19 16-0794	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	112.36	
26 05 19 16-0795	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	146.45	
26 05 19 16-0796	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	155.48	
26 05 19 16-0797	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	145.65	
26 05 19 16-0798		**Watertight Pin And Sleeve Plug** *(26 05 19 16-0773)*		
26 05 19 16-0799	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	244.57	13.25
26 05 19 16-0800	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	247.73	13.25
26 05 19 16-0801	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	272.29	13.25
26 05 19 16-0802	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	267.54	14.57
26 05 19 16-0803	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	262.77	14.57
26 05 19 16-0804	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	264.19	14.57
26 05 19 16-0805	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	388.67	16.30
26 05 19 16-0806	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	376.81	16.30
26 05 19 16-0807	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	427.77	16.30
26 05 19 16-0808	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	412.80	17.88
26 05 19 16-0809	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	392.20	17.88
26 05 19 16-0810	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	406.37	17.88
26 05 19 16-0811	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	531.87	21.19
26 05 19 16-0812	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	543.17	21.19
26 05 19 16-0813	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	516.38	21.19
26 05 19 16-0814	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	590.29	23.58
26 05 19 16-0815	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	572.70	23.58
26 05 19 16-0816	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	580.31	23.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0817	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	740.23	26.50
26 05 19 16-0818	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	783.87	26.50
26 05 19 16-0819	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	751.03	29.15
26 05 19 16-0820	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	736.12	29.15
26 05 19 16-0821	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	744.17	29.15

26 05 19 16-0822 Watertight Pin And Sleeve Connector *(26 05 19 16-0773)*

26 05 19 16-0823	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	262.76	13.25
26 05 19 16-0824	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	264.95	13.25
26 05 19 16-0825	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	321.50	13.25
26 05 19 16-0826	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	313.37	14.57
26 05 19 16-0827	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	307.63	14.57
26 05 19 16-0828	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	312.82	14.57
26 05 19 16-0829	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	399.54	16.30
26 05 19 16-0830	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	399.42	16.30
26 05 19 16-0831	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	418.93	16.30
26 05 19 16-0832	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	407.51	17.88
26 05 19 16-0833	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	411.52	17.88
26 05 19 16-0834	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	407.28	17.88
26 05 19 16-0835	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	643.34	21.19
26 05 19 16-0836	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	619.45	21.19
26 05 19 16-0837	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	605.22	21.19
26 05 19 16-0838	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	656.64	23.58
26 05 19 16-0839	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	677.40	23.58
26 05 19 16-0840	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	678.92	23.58
26 05 19 16-0841	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	862.51	26.50
26 05 19 16-0842	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	889.90	26.50
26 05 19 16-0843	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	959.57	29.15
26 05 19 16-0844	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	921.93	29.15
26 05 19 16-0845	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	934.77	29.15

26 05 19 16-0846 Accessories *(26 05 19 16-0762)*

26 05 19 16-0847	EA	1/2" Straight Steel Cord Connector	49.25	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0848	EA	1/2" Straight Nylon Cord Connector	26.83	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 19 16-0849	EA	1/2" 90 Degree Steel Cord Connector	54.48	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0850	EA	1/2" 90 Degree Nylon Cord Connector	30.55	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0851	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	53.48	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0852	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	104.48	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 05 19 16-0853	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	29.77	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0854	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	58.16	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0855	EA	3/4" Straight Steel Cord Connector	52.09	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0856	EA	3/4" Straight Nylon Cord Connector	28.25	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 19 16-0857	EA	3/4" 90 Degree Steel Cord Connector	63.37	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0858	EA	3/4" 90 Degree Nylon Cord Connector	34.99	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0859	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	58.68	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 05 19 16-0860	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	70.41	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 19 16-0861	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	34.98	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0862	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	42.42	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 05 19 16-0863	EA	1" Straight Steel Cord Connector	70.35	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0864	EA	1" Straight Nylon Cord Connector	37.38	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 19 16-0865	EA	1" 90 Degree Steel Cord Connector	75.43	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0866	EA	1" 90 Degree Nylon Cord Connector	41.02	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 19 16-0867	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	77.85	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 05 19 16-0868	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	83.06	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 19 16-0869	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	44.70	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 19 16-0870	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	50.65	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	232.90	51.41
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	280.03	54.15
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	308.05	57.26
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	398.76	59.67
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	420.95	62.49
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	472.20	65.10
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	515.35	67.70
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	569.24	70.40
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	622.56	72.52
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	266.82	51.41
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	340.56	54.15
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	404.07	57.26
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	438.40	59.67
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	500.57	62.49
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	508.76	65.10
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	571.14	67.70
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	703.11	70.40
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	787.68	72.52

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	435.37	90.59
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	661.34	90.59
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	887.66	109.12
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,392.50	109.12
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	2,019.45	131.77
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,442.70	131.77
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	4,054.15	158.54
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	4,779.44	158.54
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	6,939.78	199.71
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	8,676.32	199.71
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	9,049.13	265.59
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	11,885.62	265.59
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	11,818.75	306.77
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	16,350.30	306.77
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	22,591.99	378.84

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,112.30	123.54
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,100.92	123.54
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,490.56	123.54
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,612.12	214.13
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,333.84	214.13
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,497.65	214.13
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	4,334.12	374.72
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	5,394.07	374.72
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	6,486.67	374.72
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	7,927.18	374.72
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	9,522.84	490.02
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	11,775.04	490.02
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	13,899.89	490.02
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	15,849.74	761.79
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	21,221.79	761.79

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	435.37	90.59
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	661.34	90.59
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	887.66	109.12
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,392.50	109.12
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	2,019.45	131.77
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,442.70	131.77
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	4,779.44	158.54
26 05 26 00-0043	MLF	2/0 AWG Copper Bare Single Solid Conductor	6,188.10	199.71
26 05 26 00-0044	MLF	3/0 AWG Copper Bare Single Solid Conductor	7,596.64	199.71
26 05 26 00-0045	MLF	4/0 AWG Copper Bare Single Solid Conductor	9,049.13	210.01

26 05 26 00-0046 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0047	MLF	8 AWG Aluminum Bare Single Stranded Conductor	526.96	109.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0048	MLF	6 AWG Aluminum Bare Single Stranded Conductor	611.30	109.12
26 05 26 00-0049	MLF	4 AWG Aluminum Bare Single Stranded Conductor	744.37	131.77
26 05 26 00-0050	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,027.77	131.77
26 05 26 00-0051	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,288.62	158.54
26 05 26 00-0052	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,477.69	158.54
26 05 26 00-0053	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,714.23	199.71
26 05 26 00-0054	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,032.75	199.71
26 05 26 00-0055	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	2,395.62	265.59
26 05 26 00-0056	MLF	250 MCM Aluminum Bare Single Stranded Conductor	2,762.81	265.59
26 05 26 00-0057	MLF	300 MCM Aluminum Bare Single Stranded Conductor	3,522.90	306.77
26 05 26 00-0058	MLF	350 MCM Aluminum Bare Single Stranded Conductor	4,151.14	306.77
26 05 26 00-0059	MLF	500 MCM Aluminum Bare Single Stranded Conductor	4,830.85	378.84

26 05 26 00-0060 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0061	MLF	8 AWG Aluminum Bare Single Solid Conductor	526.96	109.12
26 05 26 00-0062	MLF	6 AWG Aluminum Bare Single Solid Conductor	611.30	109.12
26 05 26 00-0063	MLF	4 AWG Aluminum Bare Single Solid Conductor	744.37	131.77
26 05 26 00-0064	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,027.77	131.77
26 05 26 00-0065	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,272.00	210.01
26 05 26 00-0066	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,477.69	210.01
26 05 26 00-0067	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,673.07	199.71
26 05 26 00-0068	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,949.86	199.71
26 05 26 00-0069	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	2,395.62	265.59
26 05 26 00-0070	MLF	250 MCM Aluminum Bare Single Solid Conductor	2,762.81	265.59
26 05 26 00-0071	MLF	300 MCM Aluminum Bare Single Solid Conductor	3,522.90	306.77
26 05 26 00-0072	MLF	350 MCM Aluminum Bare Single Solid Conductor	4,151.14	306.77
26 05 26 00-0073	MLF	500 MCM Aluminum Bare Single Solid Conductor	4,830.85	378.84

26 05 26 00-0074 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0075	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.64	0.30
26 05 26 00-0076	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.80	0.33
26 05 26 00-0077	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.21	0.38
26 05 26 00-0078	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.20	0.39
26 05 26 00-0079	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.33	0.41

26 05 26 00-0080 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0081	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	124.89	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	244.96	13.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 26 00-0083	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	332.43	13.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 26 00-0084	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	418.70	13.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	336.27	14.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.94*	
26 05 26 00-0086	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	462.11	14.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.94*	
26 05 26 00-0087	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	571.44	14.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.94*	
26 05 26 00-0088	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	454.68	18.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.93*	
26 05 26 00-0089	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	545.91	22.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	

26 05 26 00-0090 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0091	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	124.46	24.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 05 26 00-0092	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	153.48	24.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
26 05 26 00-0093	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	265.84	37.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.07*	
26 05 26 00-0094	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	436.74	37.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.53*	

26 05 26 00-0095 Ground Rods *(26 05 26)*

26 05 26 00-0096 Copper-Clad Ground Rods *(26 05 26 00-0095)*

26 05 26 00-0097	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	52.30	33.12
26 05 26 00-0098	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	56.52	33.12
26 05 26 00-0099	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	73.53	33.12
26 05 26 00-0100	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	62.62	33.12
26 05 26 00-0101	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	67.89	33.12
26 05 26 00-0102	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	89.16	33.12

26 05 26 00-0103 Copper Grounding Shaft *(26 05 26 00-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0104	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	260.91	33.12
26 05 26 00-0105	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	332.12	33.12
26 05 26 00-0106	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	553.29	33.12

26 05 26 00-0107 Ground Access Wells *(26 05 26 00-0095)*

26 05 26 00-0108 Precast Ground Access Wells *(26 05 26 00-0107)*

26 05 26 00-0109	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	240.36	
26 05 26 00-0110	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	245.17	
26 05 26 00-0111	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	839.63	
26 05 26 00-0112	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	844.44	

26 05 26 00-0113 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0114	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	552.89	
26 05 26 00-0115	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	681.48	
26 05 26 00-0116	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,552.53	
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	408.52	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	501.93	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,383.89	
26 05 26 00-0120	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	219.27	
26 05 26 00-0121	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	313.89	
26 05 26 00-0122	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	380.61	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	170.75	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	285.98	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	443.66	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	628.03	
26 05 26 00-0127	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	423.03	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	455.76	
26 05 26 00-0129	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	868.31	
26 05 26 00-0130	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,098.75	
26 05 26 00-0131	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	463.11	
26 05 26 00-0132	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	646.30	
26 05 26 00-0133	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	636.57	

26 05 26 00-0134 Polymer Concrete Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0135	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	520.50	
26 05 26 00-0136	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	575.03	
26 05 26 00-0137	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	576.24	
26 05 26 00-0138	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	636.40	
26 05 26 00-0139	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	634.22	
26 05 26 00-0140	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	700.57	
26 05 26 00-0141	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	861.38	
26 05 26 00-0142	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	952.42	

26 05 26 00-0143 High-Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0144	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	167.21	
26 05 26 00-0145	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	238.94	

26 05 26 00-0146 Clay Tile Ground Access Wells *(26 05 26 00-0107)*

26 05 26 00-0147	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	268.55	
26 05 26 00-0148	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	285.73	
26 05 26 00-0149	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	95.54	

26 05 26 00-0150 Ground Rod Clamps And Fittings *(26 05 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0151		**Bronze Ground Rod Clamp** *(26 05 26 00-0150)*		
26 05 26 00-0152	EA	1/2" Bronze Ground Rod Clamp	12.59	4.99
26 05 26 00-0153	EA	5/8" Bronze Ground Rod Clamp	13.65	4.99
26 05 26 00-0154	EA	3/4" Bronze Ground Rod Clamp	15.16	4.99
26 05 26 00-0155		**Bronze Pipe Clamps** *(26 05 26 00-0150)*		
26 05 26 00-0156	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	12.21	8.31
26 05 26 00-0157	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	15.84	9.94
26 05 26 00-0158	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	25.20	11.62
26 05 26 00-0159	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	30.45	14.93
26 05 26 00-0160	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	47.26	21.55
26 05 26 00-0161		**Grounding Fittings** *(26 05 26 00-0150)*		
26 05 26 00-0162		**Embedded Fittings** *(26 05 26 00-0161)*		
26 05 26 00-0163	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	85.50	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	95.13	
26 05 26 00-0165	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	112.22	
26 05 26 00-0166	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	63.57	
26 05 26 00-0167	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	76.01	
26 05 26 00-0168	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	89.84	
26 05 26 00-0169	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	102.86	
26 05 26 00-0170		**Ground Rod Receptacle** *(26 05 26 00-0161)*		
26 05 26 00-0171	EA	1/2" Ground Rod Receptacle	189.78	45.93
26 05 26 00-0172	EA	5/8" Ground Rod Receptacle	201.11	47.22
26 05 26 00-0173	EA	3/4" Ground Rod Receptacle	212.56	48.50
26 05 26 00-0174		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0161)*		
26 05 26 00-0175	EA	14-8 AWG Copper Ground Kit	40.22	11.04
26 05 26 00-0176	EA	12-8 AWG Aluminum Ground Kit	30.92	11.04
26 05 26 00-0177	EA	14-4 AWG Copper Ground Kit	48.32	11.04
26 05 26 00-0178	EA	12-4 AWG Aluminum Ground Kit	37.11	11.04
26 05 26 00-0179		**Insulated Grounding Bars** *(26 05 26 00-0150)*		
26 05 26 00-0180	EA	1/2" x 4" x 10" Insulated Ground Bar	208.71	11.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 05 26 00-0181	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	224.35	11.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 05 26 00-0182		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0183		**Ground Conductor Bonding** *(26 05 26 00-0182)*		
26 05 26 00-0184		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0185	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	65.15	
26 05 26 00-0186	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	69.57	
26 05 26 00-0187	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	73.98	
26 05 26 00-0188	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	100.47	
26 05 26 00-0189		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	71.77	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	80.60	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	96.06	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	113.72	
26 05 26 00-0194		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0195		**Special Grounding Equipment** *(26 05 26 00-0194)*		
26 05 26 00-0196		**Ground Reels And Ground Bus** *(26 05 26 00-0195)*		
26 05 26 00-0197	EA	Ground Reel With 50' Of Galvanized Steel Cable	624.52	
26 05 26 00-0198		**Copper Bars** *(26 05 26 00-0195)*		
26 05 26 00-0199	LF	1/4" x 2" Copper Bar	33.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0200		**Phenolic Insulators** *(26 05 26 00-0195)*		
26 05 26 00-0201	EA	2" x 2" x 1" Long Phenolic Insulators	16.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 26 00-0202		**Grounding Studs** *(26 05 26 00-0195)*		
26 05 26 00-0203	EA	Ball Grounding Stud	22.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 26 00-0204		**Equipment Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0205	EA	Switch Rating 30 Ground Bar Kit	19.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 26 00-0206	EA	Switch Rating 60 Ground Bar Kit	27.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 05 26 00-0207	EA	Switch Rating 100 Ground Bar Kit	32.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 26 00-0208	EA	Switch Rating 200 Ground Bar Kit	65.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 05 26 00-0209		**Panelboard Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0210	EA	Panelboard Ground Bar Kit	108.18	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 26 00-0211		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0212	EA	3 Circuit, Ground Bar Kit	17.51	1.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 26 00-0213	EA	4 Circuit, Ground Bar Kit	17.00	1.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 26 00-0214	EA	7 Circuit, Ground Bar Kit	17.84	1.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 26 00-0215	EA	12 Circuit, Ground Bar Kit	20.24	2.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.25*	
26 05 26 00-0216	EA	20 Circuit, Ground Bar Kit	23.30	2.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 26 00-0217	EA	24 Circuit, Ground Bar Kit	25.68	2.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 26 00-0218	EA	30 Circuit, Ground Bar Kit	28.35	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.18*	
26 05 26 00-0219	EA	54 Circuit, Ground Bar Kit	32.62	3.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	42.60	2.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	46.61	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.18*	
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	51.05	3.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*
See CSI section 05 43 00 00-0001 for additional unistrut fittings.

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*
Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.58	2.42
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	19.14	3.22
		For Galvanizing, Add	*2.16*	
		For Powder Coating, Add	*1.90*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	26.69	3.83
		For Galvanizing, Add	*3.24*	
		For Powder Coating, Add	*2.85*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	34.25	4.44
		For Galvanizing, Add	*4.31*	
		For Powder Coating, Add	*3.81*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	8.16	0.91
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.53	2.42
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	23.03	3.22
		For Galvanizing, Add	*2.82*	
		For Powder Coating, Add	*2.49*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	32.53	3.83
		For Galvanizing, Add	*4.23*	
		For Powder Coating, Add	*3.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	42.03	4.44
		For Galvanizing, Add	*5.64*	
		For Powder Coating, Add	*4.97*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	10.11	0.91
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.55	2.42
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	27.07	3.22
		For Galvanizing, Add	*3.51*	
		For Powder Coating, Add	*3.09*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	38.60	3.83
		For Galvanizing, Add	*5.26*	
		For Powder Coating, Add	*4.64*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	50.12	4.44
		For Galvanizing, Add	*7.01*	
		For Powder Coating, Add	*6.19*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	12.13	0.91
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.87	2.42
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	25.70	3.22
		For Galvanizing, Add	*3.27*	
		For Powder Coating, Add	*2.89*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	36.54	3.83
		For Galvanizing, Add	*4.91*	
		For Powder Coating, Add	*4.33*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	47.38	4.44
		For Galvanizing, Add	*6.55*	
		For Powder Coating, Add	*5.78*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.45	0.91
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.42	2.42
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	24.81	3.22
		For Galvanizing, Add	*3.12*	
		For Powder Coating, Add	*2.75*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	35.21	3.83
		For Galvanizing, Add	*4.68*	
		For Powder Coating, Add	*4.13*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	45.60	4.44
		For Galvanizing, Add	*6.24*	
		For Powder Coating, Add	*5.51*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.00	0.91
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.36	2.42
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	46.68	3.22
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	68.01	3.83
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	89.34	4.44
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	21.94	0.91
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	29.05	2.42
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	54.07	3.22
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	79.09	3.83
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	104.12	4.44
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.63	0.91
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	30.27	2.42
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	56.52	3.22
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	82.76	3.83
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	109.01	4.44
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	26.85	0.91
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.64	2.42
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	69.26	3.22
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	101.87	3.83
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	134.49	4.44
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	33.22	0.91

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	41.30	2.42
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	78.58	3.22
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	115.85	3.83
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	153.12	4.44
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	37.88	0.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0057		**Aluminum Unistrut Channel** *(26 05 29 00-0002)*		
26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.44	2.42
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	16.85	3.22
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	23.25	3.83
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	29.66	4.44
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	7.02	0.91
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.84	2.42
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	23.64	3.22
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	33.45	3.83
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	43.25	4.44
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	10.42	0.91
26 05 29 00-0068		**Metal Framing Channel Fittings** *(26 05 29 00-0001)*		
26 05 29 00-0069		**Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0068)*		
26 05 29 00-0070		**Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	8.34	0.22
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	4.21	0.56
26 05 29 00-0073		**Stainless Steel Unistrut Channel Closure Strips And Caps** *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	10.65	0.56
26 05 29 00-0075		**Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0076		**Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.22	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.16	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.20	
26 05 29 00-0080		**Stainless Steel Flat Splice Plate, Unistrut Channel Fittings** *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.49	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	25.16	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	32.49	
26 05 29 00-0084		**90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0085		**Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.92	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.42	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.99	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.81	
26 05 29 00-0090		**Stainless Steel 90 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.90	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	11.44	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.51	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.04	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	12.73	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	24.56	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.44	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	20.07	
26 05 29 00-0099		**60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0100		**Steel 60 Degree Angle, Unistrut Channel Fittings** *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	16.68	
26 05 29 00-0102		**U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0103		**Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	4.45	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.22	
26 05 29 00-0106		**Stainless Steel, U-Connector, Unistrut Channel Fittings** *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	19.92	
26 05 29 00-0108		**Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0109		**Steel Z-Bracket, Unistrut Channel Fittings** *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	17.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	39.94	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.52	0.67
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.55	0.67
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.73	0.67
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.42	0.89
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.31	0.89
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.40	0.89
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.48	1.11
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.27	1.11
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.03	1.11
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.31	1.11
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.98	0.67
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.95	0.67
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.91	0.67
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.63	0.89
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.32	0.89
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.02	0.89
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.48	1.11
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.87	1.11
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.89	1.11
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.68	1.11
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.57	0.67
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.93	0.67
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.32	0.67
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.82	0.89
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.52	0.89
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.75	0.89
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.29	1.11
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.50	1.11
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	27.15	1.11
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	32.44	1.11
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	31.02	4.03
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	13.31	4.03
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	29.23	4.03
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	36.65	4.03
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	4.81	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.99	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	5.31	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	51.10	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	62.52	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.27	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.35	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	7.16	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	11.54	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	11.87	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	12.94	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	19.47	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	33.77	
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.30	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.50	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	7.22	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	12.80	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.90	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.14	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.57	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	32.84	
26 05 29 00-0186		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0187		Galvanized Steel Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0188		Galvanized Steel Back Plate *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	481.54	26.50
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	109.74	8.83
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	279.15	22.08
26 05 29 00-0192		Aluminum Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0193		Aluminum Back Plate *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	460.93	33.12
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,554.14	33.12
26 05 29 00-0196		Supports *(26 05 29)*		
26 05 29 00-0197		One Hole Steel Conduit Straps *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	2.08	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.49*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	2.15	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.50*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	2.54	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.54*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	2.83	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	3.02	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	4.20	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	5.41	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.82*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	5.81	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	7.79	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	9.37	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.22*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	2.27	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.51*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	2.46	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.53*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	2.80	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.56*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	3.62	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	3.95	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.68*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	6.04	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	10.52	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	14.26	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.71*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	19.73	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.26*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	41.61	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-4.44*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	53.37	
		For Work In Restricted Working Space, Add	*0.42*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.18*	
		For >500, Deduct	*-5.62*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	2.46	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.56*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	2.59	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	2.65	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	2.75	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	2.81	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.60*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	2.98	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.62*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	3.88	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	4.07	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	4.78	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	5.26	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.84*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	5.91	
		For Work In Restricted Working Space, Add	*0.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.91*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	2.45	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.47*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	2.93	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.51*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	3.37	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.56*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	5.09	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	6.48	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	7.93	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.85	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	20.91	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	27.77	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.00*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	59.99	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-4.64*	
		For >500, Deduct	*-6.22*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	114.39	
		For Work In Restricted Working Space, Add	*0.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.38*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.77*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

26 05 29 00-0245	EA	1/2" Conduit Clip	2.64	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
26 05 29 00-0246	EA	3/4" Conduit Clip	2.64	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
26 05 29 00-0247	EA	1" Conduit Clip	2.54	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.54*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	2.78	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.45*	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.56*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	3.26	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.54*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.68*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	3.50	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.54*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.70*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	3.74	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.57*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	3.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.57*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.76*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	4.79	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.57*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.28	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.09	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.60*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	13.91	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.65*	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.83*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	1.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.37*	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.40*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	1.89	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.37*	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.40*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.08	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.37*	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.42*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.53	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.37*	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.47*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.65	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.59*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.53	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	4.24	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.64*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	5.30	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	4.76	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.45	
		For >50 To 100, Deduct	*-0.08*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.36*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	28.17	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.00*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	5.55	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.73*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	4.40	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.62*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	5.39	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.72*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.76	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.45*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.97	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.48*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	2.89	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	19.91	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.71*	
		For >500, Deduct	*-2.35*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	28.86	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.24*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.51	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.54	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.72	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.41	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*0.53*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.30	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.88*	
		For Work In Restricted Working Space, Add	*0.53*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.39	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.47	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.09*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.26	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.02	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.30	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*0.66*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.09	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.02	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.93	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.12	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*0.53*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.67	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*0.53*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.76	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*0.53*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	21.87	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.81*	
		For Work In Restricted Working Space, Add	*0.93*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	22.19	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*0.93*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	22.94	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	23.29	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.04*	
		For Work In Restricted Working Space, Add	*1.06*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	23.97	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.19*	
		For Work In Restricted Working Space, Add	*1.19*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	25.31	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*1.19*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	44.81	
		For >50 To 100, Deduct	*-1.23*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-3.91*	
		For >500, Deduct	*-5.37*	
		For Work In Restricted Working Space, Add	*1.33*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	47.25	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.15*	
		For >500, Deduct	*-5.70*	
		For Work In Restricted Working Space, Add	*1.46*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	50.72	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.47*	
		For >500, Deduct	*-6.13*	
		For Work In Restricted Working Space, Add	*1.59*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	71.39	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.02*	
		For >500, Deduct	*-8.20*	
		For Work In Restricted Working Space, Add	*1.59*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	78.62	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-6.61*	
		For >500, Deduct	*-9.01*	
		For Work In Restricted Working Space, Add	*1.72*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	114.15	
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.39*	
		For >500, Deduct	*-12.74*	
		For Work In Restricted Working Space, Add	*1.99*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	7.41	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	9.51	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*0.40*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	1.69	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.35*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	1.57	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	1.57	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.83	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.46*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.86	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.46*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.72	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.45*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.83	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.46*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.86	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.46*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.25	
		For >50 To 100, Deduct	*-0.05*	
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.16*	
		For >500, Deduct	*-0.24*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.30	
		For >50 To 100, Deduct	*-0.05*	
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.17*	
		For >500, Deduct	*-0.24*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.49	
		For >50 To 100, Deduct	*-0.05*	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.18*	
		For >500, Deduct	*-0.26*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.88	
		For >50 To 100, Deduct	*-0.06*	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.21*	
		For >500, Deduct	*-0.30*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	15.31	
		For Up To 0.1, Add	*9.27*	
		For >0.1 To 0.25, Add	*4.64*	
		For >0.25 To 0.75, Add	*2.32*	
		For >2.0, Deduct	*-0.93*	
		For UV Black, Add	*0.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	15.54	
		For Up To 0.1, Add	*9.27*	
		For >0.1 To 0.25, Add	*4.64*	
		For >0.25 To 0.75, Add	*2.32*	
		For >2.0, Deduct	*-0.93*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	15.71	
		For Up To 0.1, Add	*9.27*	
		For >0.1 To 0.25, Add	*4.64*	
		For >0.25 To 0.75, Add	*2.32*	
		For >2.0, Deduct	*-0.93*	
		For UV Black, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	15.78	
		For Up To 0.1, Add	*9.27*	
		For >0.1 To 0.25, Add	*4.64*	
		For >0.25 To 0.75, Add	*2.32*	
		For >2.0, Deduct	*-0.93*	
		For UV Black, Add	*0.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	16.24	
		For Up To 0.1, Add	*9.66*	
		For >0.1 To 0.25, Add	*4.83*	
		For >0.25 To 0.75, Add	*2.42*	
		For >2.0, Deduct	*-0.97*	
		For UV Black, Add	*0.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	21.79	
		For Up To 0.1, Add	*10.11*	
		For >0.1 To 0.25, Add	*5.06*	
		For >0.25 To 0.75, Add	*2.53*	
		For >2.0, Deduct	*-1.01*	
		For UV Black, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	21.80	
		For Up To 0.1, Add	*9.27*	
		For >0.1 To 0.25, Add	*4.64*	
		For >0.25 To 0.75, Add	*2.32*	
		For >2.0, Deduct	*-0.93*	
		For UV Black, Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	22.28	
		For Up To 0.1, Add	*9.66*	
		For >0.1 To 0.25, Add	*4.83*	
		For >0.25 To 0.75, Add	*2.42*	
		For >2.0, Deduct	*-0.97*	
		For UV Black, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	22.80	
		For Up To 0.1, Add	*10.11*	
		For >0.1 To 0.25, Add	*5.06*	
		For >0.25 To 0.75, Add	*2.53*	
		For >2.0, Deduct	*-1.01*	
		For UV Black, Add	*1.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.16	
		For Up To 0.1, Add	*10.90*	
		For >0.1 To 0.25, Add	*5.45*	
		For >0.25 To 0.75, Add	*2.73*	
		For >2.0, Deduct	*-1.09*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	42.81	
		For Up To 0.1, Add	*10.90*	
		For >0.1 To 0.25, Add	*5.45*	
		For >0.25 To 0.75, Add	*2.73*	
		For >2.0, Deduct	*-1.09*	
		For UV Black, Add	*4.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	24.65	
		For Up To 0.1, Add	*10.11*	
		For >0.1 To 0.25, Add	*5.06*	
		For >0.25 To 0.75, Add	*2.53*	
		For >2.0, Deduct	*-1.01*	
		For UV Black, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	22.31	
		For Up To 0.1, Add	*10.11*	
		For >0.1 To 0.25, Add	*5.06*	
		For >0.25 To 0.75, Add	*2.53*	
		For >2.0, Deduct	*-1.01*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	40.89	
		For Up To 0.1, Add	*10.90*	
		For >0.1 To 0.25, Add	*5.45*	
		For >0.25 To 0.75, Add	*2.73*	
		For >2.0, Deduct	*-1.09*	
		For UV Black, Add	*4.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	48.45	
		For Up To 0.1, Add	*11.58*	
		For >0.1 To 0.25, Add	*5.79*	
		For >0.25 To 0.75, Add	*2.90*	
		For >2.0, Deduct	*-1.16*	
		For UV Black, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	49.68	
		For Up To 0.1, Add	*10.11*	
		For >0.1 To 0.25, Add	*5.06*	
		For >0.25 To 0.75, Add	*2.53*	
		For >2.0, Deduct	*-1.01*	
		For UV Black, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	54.70	
		For Up To 0.1, Add	*10.90*	
		For >0.1 To 0.25, Add	*5.45*	
		For >0.25 To 0.75, Add	*2.73*	
		For >2.0, Deduct	*-1.09*	
		For UV Black, Add	*6.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	69.20	
		For Up To 0.1, Add	*11.58*	
		For >0.1 To 0.25, Add	*5.79*	
		For >0.25 To 0.75, Add	*2.90*	
		For >2.0, Deduct	*-1.16*	
		For UV Black, Add	*8.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	106.75	
		For Up To 0.1, Add	*12.35*	
		For >0.1 To 0.25, Add	*6.18*	
		For >0.25 To 0.75, Add	*3.09*	
		For >2.0, Deduct	*-1.24*	
		For UV Black, Add	*14.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 29 00-0350	C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	102.72	
		For Up To 0.1, Add	*12.35*	
		For >0.1 To 0.25, Add	*6.18*	
		For >0.25 To 0.75, Add	*3.09*	
		For >2.0, Deduct	*-1.24*	
		For UV Black, Add	*13.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 29 00-0351	C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	129.04	
		For Up To 0.1, Add	*12.92*	
		For >0.1 To 0.25, Add	*6.46*	
		For >0.25 To 0.75, Add	*3.23*	
		For >2.0, Deduct	*-1.29*	
		For UV Black, Add	*17.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.88*	
26 05 29 00-0352	C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	151.96	
		For Up To 0.1, Add	*13.55*	
		For >0.1 To 0.25, Add	*6.78*	
		For >0.25 To 0.75, Add	*3.39*	
		For >2.0, Deduct	*-1.36*	
		For UV Black, Add	*20.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	
26 05 29 00-0353	C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	215.73	
		For Up To 0.1, Add	*14.62*	
		For >0.1 To 0.25, Add	*7.31*	
		For >0.25 To 0.75, Add	*3.66*	
		For >2.0, Deduct	*-1.46*	
		For UV Black, Add	*30.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.39*	
26 05 29 00-0354	C	3/4" x 3/4" Self Adhesive Tie Mounts	16.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.17*	
26 05 29 00-0355	C	1.1" x 1.1" Tie Mounts With Screw	32.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.34*	
26 05 29 00-0356	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.07*	
26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.05*	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	2.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.05*	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.05*	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	110.37	
		Note: Cut to length.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.42*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	3.86	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.67*	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	3.97	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.72*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	4.41	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.80*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	4.53	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	4.63	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.88*	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.07	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.06*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.46	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.50*	
		For >500, Deduct	*-2.13*	

26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.09	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.50*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.14	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.51*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.43	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.61	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.65*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.09	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.80*	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.56	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.50	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.74*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.12	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.00*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.61	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.25*	

26 05 29 00-0381 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0361)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	1.79	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.57*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	1.85	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.58*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.33	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0385		**Hollow Wall Screw Anchors** *(26 05 29 00-0361)*		
26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.03	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.34*	
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.10	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.35*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.21	
		For >50 To 100, Deduct	*-0.07*	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.36*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.67	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.44*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.82	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.46*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.87	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.46*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.90	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.47*	
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.12	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.49*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.20	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.50*	
26 05 29 00-0395		**Lead Screw Anchors** *(26 05 29 00-0361)*		
		Note: Includes screw.		
26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	2.09	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	2.59	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	3.80	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0399		**Acoustical T-Bar Clips** *(26 05 29 00-0361)*		
		Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	5.29	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	5.53	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.35*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	6.21	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

26 05 29 00-0405 Carbon Steel Threaded Rod *(26 05 29 00-0404)*

Note: Includes plain finish.

26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.30	0.28
		For Galvanized, Add	*0.70*	
		For Zinc Coated, Add	*0.50*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.36	0.29
		For Galvanized, Add	*1.11*	
		For Zinc Coated, Add	*0.79*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.91	0.30
		For Galvanized, Add	*1.72*	
		For Zinc Coated, Add	*1.23*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.44	0.31
		For Galvanized, Add	*3.12*	
		For Zinc Coated, Add	*2.23*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.23	0.33
		For Galvanized, Add	*3.43*	
		For Zinc Coated, Add	*2.45*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.37
		For Galvanized, Add	*4.82*	
		For Zinc Coated, Add	*3.43*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.01	0.41
		For Galvanized, Add	*6.08*	
		For Zinc Coated, Add	*4.33*	

26 05 29 00-0413 Threaded Rod Couplings *(26 05 29 00-0404)*

26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	4.82
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	5.61
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	7.83
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	10.51
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	18.37
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	21.89
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	50.05

26 05 29 00-0421 Flat Washers *(26 05 29 00-0404)*

26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.41	0.11
		For Galvanized, Add	*0.04*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.62	0.11
		For Galvanized, Add	*0.09*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.97	0.11
		For Galvanized, Add	*0.17*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.28	0.22
		For Galvanized, Add	*0.25*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.50	0.22
		For Galvanized, Add	*0.29*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.80	0.22
		For Galvanized, Add	*0.36*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.04	0.22
		For Galvanized, Add	*0.41*	

26 05 29 00-0429 Malleable Iron Eye Sockets *(26 05 29 00-0404)*

Note: Type 16.

26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.14
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.26
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	31.84
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	47.27
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	49.96

26 05 29 00-0435 Hex Nuts *(26 05 29 00-0404)*

26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.39	0.11
		For Galvanized, Add	*0.04*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.11
		For Galvanized, Add	*0.08*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.97	0.11
		For Galvanized, Add	*0.17*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.22	0.22
		For Galvanized, Add	*0.23*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.06	0.22
		For Galvanized, Add	*0.43*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.71	0.22
		For Galvanized, Add	*0.59*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.85	0.22
		For Galvanized, Add	*1.11*	

26 05 29 00-0443 Forged Steel Turnbuckles *(26 05 29 00-0404)*

Note: Type 13.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	29.57	
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	38.31	
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	54.72	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	69.40	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	197.41	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	118.60	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	260.31	
26 05 29 00-0451		Attachments *(26 05 29 00-0403)*		
26 05 29 00-0452		Welded Beam Attachments *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	51.94	4.42
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	55.78	4.63
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	59.64	4.90
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	82.57	5.21
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	103.40	5.52
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	153.62	6.32
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	231.58	6.62
26 05 29 00-0460		C-Clamp Style Beam Clamps *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	10.83	3.33
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	15.05	3.56
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	18.22	3.81
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	27.43	4.10
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	47.40	4.45
26 05 29 00-0466		Bottom Mount I-Beam Clamps *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	53.69	4.45
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	87.40	4.85
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	132.90	5.33
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	161.37	5.92
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	429.42	6.66
26 05 29 00-0472		Steel U-Bolts *(26 05 29 00-0451)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	9.08	2.67
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	10.29	2.80
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	11.36	2.97
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	14.09	3.14
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.08	3.33
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	15.12	3.56
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	28.39	3.81
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	31.79	4.10
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	40.98	4.45
26 05 29 00-0482		Stainless Steel Threaded Rod *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.37	0.22
		For 316 Stainless Steel, Add	*1.18*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.48	0.24
		For 316 Stainless Steel, Add	*2.02*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.21	0.28
		For 316 Stainless Steel, Add	*2.69*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.47	0.28
		For 316 Stainless Steel, Add	*4.01*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.78	0.29
		For 316 Stainless Steel, Add	*4.94*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.81	0.30
		For 316 Stainless Steel, Add	*7.78*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	28.26	0.30
		For 316 Stainless Steel, Add	*11.20*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	39.38	0.31
		For 316 Stainless Steel, Add	*15.69*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	50.77	0.37
		For 316 Stainless Steel, Add	*20.26*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	108.93	0.45
		For 316 Stainless Steel, Add	*43.74*	
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0493)*		
26 05 29 00-0495		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	39.15	8.83
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.44	9.63
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	44.36	10.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.93	11.79
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.64	13.25
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.18	14.57
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.00	15.89
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.93	17.23
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.50	18.55
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	113.45	19.87
26 05 29 00-0506		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.87	8.83
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.64	9.63
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.93	10.60
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.33	11.79
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.95	13.25
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	79.94	14.57
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.25	15.89
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	105.58	17.23
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.60	18.55
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	114.40	19.87
26 05 29 00-0517		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	40.27	8.74
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.91	9.54
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	49.17	10.60
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.92	11.66
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.67	13.25
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.60	14.57
26 05 29 00-0524		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0525		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.15	0.26
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.84	0.26
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	11.87	0.26
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.60	0.26
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.45	0.26
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.59	0.26
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.66	0.26
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	53.39	0.26
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	95.06	0.26
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	101.07	0.26
26 05 29 00-0536		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.09	0.53
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.16	0.53
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.57	0.53
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.72	0.53
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.29	0.53
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.35	0.53
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.32	0.53
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.55	0.53
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.45	0.53
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.99	0.53
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.64	0.53
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.95	0.53
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.20	0.53
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.71	0.53
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	30.93	0.53
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	61.29	0.53
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	78.16	0.53
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	107.28	0.53
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	188.93	0.53
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	188.93	0.53
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	8.82	0.36
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.94	0.40
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	11.44	2.67
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	11.67	2.80
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	12.27	2.98
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.10	3.16
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	13.98	3.33
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.24	3.56
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.20	3.82
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.23	4.09
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	29.89	4.45
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	54.95	5.07
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	69.27	5.87
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	40.98	8.74
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	52.21	8.74
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	56.83	8.74
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	63.78	9.27
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	75.42	10.60
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.95	2.92
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.43	3.18
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	19.06	3.44
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	21.10	3.98
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.31	4.50
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.89	4.77
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.71	5.30
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	38.22	5.83
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	42.77	6.10
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.16	6.62
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	45.97	7.42
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	23.60	1.32
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	43.52	1.86
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	25.52	1.32
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	17.71	1.32
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	18.90	1.32
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,335.84	76.04
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,384.76	76.04
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,834.24	76.04
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,908.77	76.04
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,764.87	76.04
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,116.81	76.04
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,386.68	76.04
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,248.21	95.06
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,509.11	95.06
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,776.25	95.06
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	619.93	33.27
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	753.54	33.27
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	990.05	57.04
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,039.71	57.04
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,545.25	57.04
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,615.52	57.04
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,746.44	57.04
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,746.44	57.04
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,391.23	57.04
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,860.55	57.04
26 05 29 00-0623		**Polymer Concrete, Electrical Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	336.92	33.27
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	371.27	33.27
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	402.56	33.27
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	506.50	33.27
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	460.12	33.27
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	481.97	33.27
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	538.64	33.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	571.69	33.27
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	682.08	33.27
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	863.91	33.27
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,301.70	57.04
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,368.16	57.04
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,389.13	57.04
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,528.84	57.04
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,397.54	57.04
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,023.47	57.04

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire Assemblies *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	427.66	98.54
		For Work In Restricted Working Space, Add	*84.48*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	475.47	107.01
		For Work In Restricted Working Space, Add	*91.74*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	523.28	115.48
		For Work In Restricted Working Space, Add	*99.00*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*4.72*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	463.48	102.78
		For Work In Restricted Working Space, Add	*88.11*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	527.19	112.66
		For Work In Restricted Working Space, Add	*96.58*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	590.89	122.53
		For Work In Restricted Working Space, Add	*105.05*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	552.09	111.24
		For Work In Restricted Working Space, Add	*95.37*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	488.39	106.25
		For Work In Restricted Working Space, Add	*91.06*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	536.20	114.71
		For Work In Restricted Working Space, Add	*98.32*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	584.00	123.18
		For Work In Restricted Working Space, Add	*105.58*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	631.82	131.65
		For Work In Restricted Working Space, Add	*112.84*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	524.21	110.48
		For Work In Restricted Working Space, Add	*94.69*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	587.92	120.36
		For Work In Restricted Working Space, Add	*103.16*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	651.62	130.24
		For Work In Restricted Working Space, Add	*111.62*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	715.33	140.12
		For Work In Restricted Working Space, Add	*120.09*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	710.86	131.65
		For Work In Restricted Working Space, Add	*112.84*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	808.89	144.35
		For Work In Restricted Working Space, Add	*123.72*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	743.98	127.41
		For Work In Restricted Working Space, Add	*109.21*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	890.43	142.94
		For Work In Restricted Working Space, Add	*122.51*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	585.84	114.36
		For Work In Restricted Working Space, Add	*98.03*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	633.64	122.81
		For Work In Restricted Working Space, Add	*105.29*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	681.44	131.28
		For Work In Restricted Working Space, Add	*112.54*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	729.25	139.75
		For Work In Restricted Working Space, Add	*119.80*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	621.66	118.58
		For Work In Restricted Working Space, Add	*101.66*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	685.36	128.46
		For Work In Restricted Working Space, Add	*110.13*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly. Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	749.06	138.35
		For Work In Restricted Working Space, Add	*118.59*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	812.76	148.22
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*127.06*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	808.30	139.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*119.80*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	987.87	151.04
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*129.48*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,134.32	166.56
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*142.79*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	680.24	112.17
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*96.14*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	728.06	120.64
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*103.40*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	716.07	116.41
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*99.77*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	779.77	126.29
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*108.24*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	804.67	124.88
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*107.03*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	769.05	119.63
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*102.53*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	816.86	128.10
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*109.79*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	864.66	136.57
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*117.05*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	804.87	123.87
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*106.16*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	868.58	133.75
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*114.63*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	932.28	143.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*123.09*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	991.51	145.04
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*124.30*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,089.55	157.74
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*135.19*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,024.64	140.80
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*120.68*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,171.09	156.33
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*133.98*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,054.49	142.85
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*122.45*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,102.29	151.32
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*129.71*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,150.11	159.79
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*136.97*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,106.21	148.50
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*127.29*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,169.91	158.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*135.76*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,233.61	168.26
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*144.23*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,229.15	159.79
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*136.97*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,408.72	171.08
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*146.64*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,555.18	186.60
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*159.95*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	4.96	0.89
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.44*	
		For Installation In Metal Stud Wall, Add	*0.22*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.55*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.11*	
		For Elevated Installation >40' Above Floor, Add	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.98	0.97
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.26*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.65*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.39*	
		For Work In Restricted Working Space, Add	*0.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.29*	
		For Elevated Installation >40' Above Floor, Add	*1.42*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.73	1.13
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.79*	
		For Installation In Metal Stud Wall, Add	*0.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.87*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.74*	
		For Elevated Installation >40' Above Floor, Add	*1.91*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.68	1.29
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.92*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.55*	
		For Work In Restricted Working Space, Add	*1.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.84*	
		For Elevated Installation >40' Above Floor, Add	*2.02*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.62	1.46
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.16*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.44	1.78
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.52*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.24*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.74*	
		For Work In Restricted Working Space, Add	*1.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.48*	
		For Elevated Installation >40' Above Floor, Add	*2.73*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.76	2.42
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.41*	
		For Installation In Metal Stud Wall, Add	*0.67*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.68*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.37*	
		For Elevated Installation >40' Above Floor, Add	*3.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	33.29	3.22
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.10*	
		For Installation In Metal Stud Wall, Add	*0.91*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.27*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.36*	
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.54*	
		For Elevated Installation >40' Above Floor, Add	*4.99*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	40.31	4.03
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.75*	
		For >1,000, Deduct	*-3.76*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.69*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.38*	
		For Elevated Installation >40' Above Floor, Add	*5.92*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	48.52	4.84
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.54*	
		For Installation In Metal Stud Wall, Add	*1.24*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.11*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.86*	
		For Work In Restricted Working Space, Add	*3.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.21*	
		For Elevated Installation >40' Above Floor, Add	*6.83*	
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	85.02	6.12
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000, Deduct	*-8.12*	
		For Installation In Metal Stud Wall, Add	*1.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.83*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.30*	
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	117.31	7.74
		For >250 To 500, Deduct	*-4.90*	
		For >500 To 1,000, Deduct	*-8.31*	
		For >1,000, Deduct	*-11.25*	
		For Installation In Metal Stud Wall, Add	*1.94*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.84*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.90*	
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	15.77	3.99
		For Work In Restricted Working Space, Add	*3.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.01*	
		For Elevated Installation >40' Above Floor, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	20.05	4.96
		For Work In Restricted Working Space, Add	*3.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.23*	
		For Elevated Installation >40' Above Floor, Add	*6.85*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	26.87	6.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.59*	
		For Elevated Installation >40' Above Floor, Add	*8.35*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	37.61	7.05
		For Work In Restricted Working Space, Add	*5.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.81*	
		For Elevated Installation >40' Above Floor, Add	*9.69*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	44.07	8.10
		For Work In Restricted Working Space, Add	*6.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.12*	
		For Elevated Installation >40' Above Floor, Add	*11.13*	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	55.03	8.91
		For Work In Restricted Working Space, Add	*6.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.13*	
		For Elevated Installation >40' Above Floor, Add	*12.24*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	86.23	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	124.87	15.16
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.95*	
		For Elevated Installation >40' Above Floor, Add	*20.85*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	178.71	17.10
		For Work In Restricted Working Space, Add	*12.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.38*	
		For Elevated Installation >40' Above Floor, Add	*23.51*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	212.32	22.25
		For Work In Restricted Working Space, Add	*16.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.82*	
		For Elevated Installation >40' Above Floor, Add	*30.60*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	347.83	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.37*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	523.13	54.51
		For Work In Restricted Working Space, Add	*40.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*47.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*54.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*68.14*	
		For Elevated Installation >40' Above Floor, Add	*74.95*	
26 05 33 13-0087		Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	15.77	3.99
		For Work In Restricted Working Space, Add	*3.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.01*	
		For Elevated Installation >40' Above Floor, Add	*5.51*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	20.05	4.96
		For Work In Restricted Working Space, Add	*3.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.23*	
		For Elevated Installation >40' Above Floor, Add	*6.85*	
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	26.87	6.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.59*	
		For Elevated Installation >40' Above Floor, Add	*8.35*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	37.61	7.05
		For Work In Restricted Working Space, Add	*5.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.81*	
		For Elevated Installation >40' Above Floor, Add	*9.69*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	44.08	8.10
		For Work In Restricted Working Space, Add	*6.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.12*	
		For Elevated Installation >40' Above Floor, Add	*11.13*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	55.03	8.91
		For Work In Restricted Working Space, Add	*6.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.13*	
		For Elevated Installation >40' Above Floor, Add	*12.24*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	83.86	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	115.63	15.16
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.95*	
		For Elevated Installation >40' Above Floor, Add	*20.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	165.72	17.10
		For Work In Restricted Working Space, Add	*12.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.38*	
		For Elevated Installation >40' Above Floor, Add	*23.51*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	195.04	22.25
		For Work In Restricted Working Space, Add	*16.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.82*	
		For Elevated Installation >40' Above Floor, Add	*30.60*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	347.83	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.37*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	523.13	54.51
		For Work In Restricted Working Space, Add	*40.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*47.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*54.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*68.14*	
		For Elevated Installation >40' Above Floor, Add	*74.95*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	47.76	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	54.84	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	64.27	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	73.69	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	54.99	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	64.12	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	68.50	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	78.41	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	108.13	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	144.45	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	55.33	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	63.21	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	73.07	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	88.64	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	117.66	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	152.14	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	200.95	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	234.79	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	66.84	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	74.50	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	81.53	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	101.11	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	134.67	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	178.80	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	226.87	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	255.46	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	66.14	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	82.90	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	90.63	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	113.00	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	150.99	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	199.86	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	252.50	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	293.39	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	401.87	58.97
		For Work In Restricted Working Space, Add	*35.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	72.29	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	87.04	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	106.56	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	122.28	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	170.34	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	217.87	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	285.60	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	311.24	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	547.48	58.97
		For Work In Restricted Working Space, Add	*35.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	649.07	88.59
		For Work In Restricted Working Space, Add	*53.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	81.30	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	98.04	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	118.27	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	134.51	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	185.14	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	244.25	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	312.06	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	387.38	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	652.52	58.97
		For Work In Restricted Working Space, Add	*35.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	740.03	88.59
		For Work In Restricted Working Space, Add	*53.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	88.80	9.96
		For Work In Restricted Working Space, Add	*5.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	106.52	11.53
		For Work In Restricted Working Space, Add	*6.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	125.66	13.11
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	157.35	14.41
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	212.44	18.08
		For Work In Restricted Working Space, Add	*10.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	270.84	24.64
		For Work In Restricted Working Space, Add	*14.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	345.33	27.78
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	427.80	36.17
		For Work In Restricted Working Space, Add	*21.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	685.41	58.97
		For Work In Restricted Working Space, Add	*35.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	758.43	88.59
		For Work In Restricted Working Space, Add	*53.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	5.55	2.57
		For Work In Restricted Working Space, Add	*1.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.57*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.54*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	6.03	2.74
		For Work In Restricted Working Space, Add	*1.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.75*	
		For Elevated Installation >40' Above Floor, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.65*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	6.97	3.08
		For Work In Restricted Working Space, Add	*1.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.08*	
		For Elevated Installation >40' Above Floor, Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	8.03	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.06*	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	10.18	4.28
		For Work In Restricted Working Space, Add	*2.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.29*	
		For Elevated Installation >40' Above Floor, Add	*4.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.57*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.27	5.14
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.14*	
		For Elevated Installation >40' Above Floor, Add	*5.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.60	6.00
		For Work In Restricted Working Space, Add	*3.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.00*	
		For Elevated Installation >40' Above Floor, Add	*6.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.60*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.67	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.08	6.45
		For Work In Restricted Working Space, Add	*4.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.71*	
		For Elevated Installation >40' Above Floor, Add	*8.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.63*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	27.79	8.57
		For Work In Restricted Working Space, Add	*5.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.57*	
		For Elevated Installation >40' Above Floor, Add	*9.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.14*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	37.00	9.43
		For Work In Restricted Working Space, Add	*5.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.43*	
		For Elevated Installation >40' Above Floor, Add	*10.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.66*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	66.52	10.28
		For Work In Restricted Working Space, Add	*6.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.23*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.29*	
		For Elevated Installation >40' Above Floor, Add	*11.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0186		**Rigid Galvanized Steel (RGS) Steel Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	7.05	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	7.92	3.22
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	9.82	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	11.22	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	14.76	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	17.13	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	29.91	7.05
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	36.86	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	66.55	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	98.67	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	141.26	11.09
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	225.19	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	8.24	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	9.72	3.22
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	12.08	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	15.04	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.73	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.18	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	39.47	7.05
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	48.07	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	68.64	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	108.02	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	151.44	11.09
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	228.77	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	16.13	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	18.19	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	21.50	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	26.42	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	31.36	6.25
		For Work In Restricted Working Space, Add	*3.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.25*	
		For Elevated Installation >40' Above Floor, Add	*6.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	41.12	7.46
		For Work In Restricted Working Space, Add	*4.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.46*	
		For Elevated Installation >40' Above Floor, Add	*8.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.48*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	60.14	8.67
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.20*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	64.32	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	73.15	11.29
		For Work In Restricted Working Space, Add	*6.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.29*	
		For Elevated Installation >40' Above Floor, Add	*12.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	102.41	12.50
		For Work In Restricted Working Space, Add	*7.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.50*	
		For Elevated Installation >40' Above Floor, Add	*13.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.50*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	160.67	13.71
		For Work In Restricted Working Space, Add	*8.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.71*	
		For Elevated Installation >40' Above Floor, Add	*15.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	235.64	15.12
		For Work In Restricted Working Space, Add	*9.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.12*	
		For Elevated Installation >40' Above Floor, Add	*16.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.07*	

26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*

26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	9.02	1.86
		For Work In Restricted Working Space, Add	*1.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	11.47	2.13
		For Work In Restricted Working Space, Add	*1.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.67*	
		For Elevated Installation >40' Above Floor, Add	*2.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.60*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	16.22	2.58
		For Work In Restricted Working Space, Add	*1.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.22*	
		For Elevated Installation >40' Above Floor, Add	*3.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.93*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	27.18	3.18
		For Work In Restricted Working Space, Add	*2.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.00*	
		For Elevated Installation >40' Above Floor, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.40*	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	37.05	4.27
		For Work In Restricted Working Space, Add	*3.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.35*	
		For Elevated Installation >40' Above Floor, Add	*5.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	67.71	6.41
		For Work In Restricted Working Space, Add	*4.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.01*	
		For Elevated Installation >40' Above Floor, Add	*8.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	145.66	7.09
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.88*	
		For Elevated Installation >40' Above Floor, Add	*9.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	172.88	8.59
		For Work In Restricted Working Space, Add	*6.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.74*	
		For Elevated Installation >40' Above Floor, Add	*11.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.44*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	238.34	10.76
		For Work In Restricted Working Space, Add	*8.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.45*	
		For Elevated Installation >40' Above Floor, Add	*14.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	277.63	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	531.82	14.35
		For Work In Restricted Working Space, Add	*10.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.93*	
		For Elevated Installation >40' Above Floor, Add	*19.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.76*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	640.69	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	7.18	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	8.23	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	10.71	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	12.75	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	14.68	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	7.34	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	8.47	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	10.98	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	13.12	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.27	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.56	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	7.51	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	8.69	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	11.36	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	13.45	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	15.67	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.54	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	28.67	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	37.36	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	7.73	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	8.80	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	11.85	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.08	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.50	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	19.55	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.40	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	39.72	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	7.93	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	9.18	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	12.16	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	14.39	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	17.07	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.41	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.24	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	41.47	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	48.78	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	58.59	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	8.25	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	9.65	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	12.76	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	15.26	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.92	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	21.93	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	35.61	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	45.13	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	52.41	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	63.90	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	108.33	19.15
		For Work In Restricted Working Space, Add	*11.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.15*	
		For Elevated Installation >40' Above Floor, Add	*21.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	136.42	24.56
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.57*	
		For Elevated Installation >40' Above Floor, Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	8.84	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	10.25	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	13.23	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	16.06	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.72	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	23.45	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	38.57	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	48.84	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	56.85	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	68.11	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	114.50	19.15
		For Work In Restricted Working Space, Add	*11.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.15*	
		For Elevated Installation >40' Above Floor, Add	*21.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	145.45	24.56
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.57*	
		For Elevated Installation >40' Above Floor, Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	10.98	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	12.98	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	16.45	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.64	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.82	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	28.84	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	46.41	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	57.85	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	65.83	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	78.03	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	128.81	19.15
		For Work In Restricted Working Space, Add	*11.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.15*	
		For Elevated Installation >40' Above Floor, Add	*21.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	161.52	24.56
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.57*	
		For Elevated Installation >40' Above Floor, Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	12.42	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	14.38	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	19.01	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	23.68	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	27.82	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	32.31	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	51.68	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	64.92	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	75.15	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	89.84	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	144.42	19.15
		For Work In Restricted Working Space, Add	*11.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.15*	
		For Elevated Installation >40' Above Floor, Add	*21.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	189.59	24.56
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.57*	
		For Elevated Installation >40' Above Floor, Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	13.52	2.62
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	15.41	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	20.55	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	26.12	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.32	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	35.22	5.65
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	57.88	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.85*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	74.76	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	84.22	10.68
		For Work In Restricted Working Space, Add	*6.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.69*	
		For Elevated Installation >40' Above Floor, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	101.66	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	166.84	19.15
		For Work In Restricted Working Space, Add	*11.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.15*	
		For Elevated Installation >40' Above Floor, Add	*21.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	205.20	24.56
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.57*	
		For Elevated Installation >40' Above Floor, Add	*27.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.74*	

26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	7.65	2.09
		For Work In Restricted Working Space, Add	*1.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.65*	
		For Elevated Installation >40' Above Floor, Add	*2.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.59*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	9.62	2.42
		For Work In Restricted Working Space, Add	*1.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.01*	
		For Elevated Installation >40' Above Floor, Add	*3.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	11.81	3.06
		For Work In Restricted Working Space, Add	*2.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.85*	
		For Elevated Installation >40' Above Floor, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.31*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	15.87	3.67
		For Work In Restricted Working Space, Add	*2.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.69*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.61*	
		For Elevated Installation >40' Above Floor, Add	*5.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.77*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	17.39	4.03
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
		For Elevated Installation >40' Above Floor, Add	*5.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.03*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.02	4.96
		For Work In Restricted Working Space, Add	*3.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.22*	
		For Elevated Installation >40' Above Floor, Add	*6.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.73*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	39.48	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	71.70	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	91.93	13.15
		For Work In Restricted Working Space, Add	*9.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.34*	
		For Elevated Installation >40' Above Floor, Add	*17.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.80*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	112.44	15.16
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.96*	
		For Elevated Installation >40' Above Floor, Add	*20.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.37*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*
Note: Erickson fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	18.92	6.45
		For Work In Restricted Working Space, Add	*4.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.08*	
		For Elevated Installation >40' Above Floor, Add	*8.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.85*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	21.57	7.22
		For Work In Restricted Working Space, Add	*5.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.01*	
		For Elevated Installation >40' Above Floor, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	26.62	8.02
		For Work In Restricted Working Space, Add	*6.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.04*	
		For Elevated Installation >40' Above Floor, Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	35.95	8.79
		For Work In Restricted Working Space, Add	*6.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.99*	
		For Elevated Installation >40' Above Floor, Add	*12.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	40.78	9.60
		For Work In Restricted Working Space, Add	*7.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.02*	
		For Elevated Installation >40' Above Floor, Add	*13.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	59.58	10.40
		For Work In Restricted Working Space, Add	*7.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.02*	
		For Elevated Installation >40' Above Floor, Add	*14.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	109.97	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	158.27	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	244.87	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.21*	
		For Elevated Installation >40' Above Floor, Add	*26.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0357		EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	283.44	20.97
			For Work In Restricted Working Space, Add	*15.72*	
			For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
			For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
			For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
			For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
			For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
			For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
			For Elevated Installation >40' Above Floor, Add	*28.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 05 33 13-0358		EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	538.66	25.81
			For Work In Restricted Working Space, Add	*19.35*	
			For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
			For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
			For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
			For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
			For Elevated Installation >30' To 35' Above Floor, Add	*25.80*	
			For Elevated Installation >35' To 40' Above Floor, Add	*32.25*	
			For Elevated Installation >40' Above Floor, Add	*35.48*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.35*	
26 05 33 13-0359		EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	706.61	29.84
			For Work In Restricted Working Space, Add	*22.38*	
			For Elevated Installation >10' To 15' Above Floor, Add	*7.46*	
			For Elevated Installation >15' To 20' Above Floor, Add	*14.92*	
			For Elevated Installation >20' To 25' Above Floor, Add	*18.65*	
			For Elevated Installation >25' To 30' Above Floor, Add	*26.11*	
			For Elevated Installation >30' To 35' Above Floor, Add	*29.84*	
			For Elevated Installation >35' To 40' Above Floor, Add	*37.30*	
			For Elevated Installation >40' Above Floor, Add	*41.02*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.38*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361		EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	14.39	3.22
			For Work In Restricted Working Space, Add	*2.42*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
			For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0362		EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	16.36	3.55
			For Work In Restricted Working Space, Add	*2.66*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
			For Elevated Installation >40' Above Floor, Add	*4.88*	
26 05 33 13-0363		EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	19.00	4.03
			For Work In Restricted Working Space, Add	*3.03*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
			For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
			For Elevated Installation >40' Above Floor, Add	*5.55*	
26 05 33 13-0364		EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	22.64	4.36
			For Work In Restricted Working Space, Add	*3.26*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.09*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.18*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.72*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.81*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.35*	
			For Elevated Installation >35' To 40' Above Floor, Add	*5.44*	
			For Elevated Installation >40' Above Floor, Add	*5.98*	
26 05 33 13-0365		EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	28.50	4.84
			For Work In Restricted Working Space, Add	*3.63*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
			For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
			For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
			For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0366		EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.55	5.33
			For Work In Restricted Working Space, Add	*3.99*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.33*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.66*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.33*	
			For Elevated Installation >25' To 30' Above Floor, Add	*4.66*	
			For Elevated Installation >30' To 35' Above Floor, Add	*5.32*	
			For Elevated Installation >35' To 40' Above Floor, Add	*6.66*	
			For Elevated Installation >40' Above Floor, Add	*7.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	54.99	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	67.58	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	81.23	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	93.95	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	12.14	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	13.57	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	16.54	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	20.88	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	25.78	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	31.03	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	42.05	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	59.73	12.70
		For Work In Restricted Working Space, Add	*7.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.71*	
		For Elevated Installation >40' Above Floor, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	70.04	15.32
		For Work In Restricted Working Space, Add	*9.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.32*	
		For Elevated Installation >40' Above Floor, Add	*16.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	88.24	18.14
		For Work In Restricted Working Space, Add	*10.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.15*	
		For Elevated Installation >40' Above Floor, Add	*19.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	104.36	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	118.86	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	144.07	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	182.68	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	238.69	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	347.94	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	552.37	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	710.20	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,062.81	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,130.88	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,771.36	25.81
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,194.96	28.63
		For Work In Restricted Working Space, Add	*21.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.81*	
		For Elevated Installation >40' Above Floor, Add	*39.39*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*
Note: Type AX-8

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	119.11	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	131.93	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	164.58	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	214.98	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	302.86	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	378.60	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	751.16	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	845.94	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,331.07	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,440.94	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,032.72	25.81
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,531.22	28.63
		For Work In Restricted Working Space, Add	*21.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.81*	
		For Elevated Installation >40' Above Floor, Add	*39.39*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type EX

26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	140.70	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	182.83	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	233.34	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	289.43	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	403.68	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	573.42	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	911.55	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,236.46	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,886.51	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,946.86	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,965.32	25.81
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,696.67	28.63
		For Work In Restricted Working Space, Add	*21.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.81*	
		For Elevated Installation >40' Above Floor, Add	*39.39*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	273.82	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	328.82	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	401.81	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	476.10	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	527.31	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	660.73	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	879.13	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,116.35	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,248.72	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,529.55	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,677.54	25.81
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	4,333.08	28.63
		For Work In Restricted Working Space, Add	*21.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.81*	
		For Elevated Installation >40' Above Floor, Add	*39.39*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	61.19	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	68.59	4.03
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
		For Elevated Installation >40' Above Floor, Add	*5.55*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	85.36	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	122.00	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	185.41	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	338.58	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	70.29	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	80.09	4.03
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
		For Elevated Installation >40' Above Floor, Add	*5.55*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	95.89	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	135.98	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	203.96	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	398.39	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0447		Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*		
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	64.06	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	75.75	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	94.49	14.11
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	112.72	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	157.43	18.14
		For Work In Restricted Working Space, Add	*10.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.15*	
		For Elevated Installation >40' Above Floor, Add	*19.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	197.28	20.16
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	292.25	24.19
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	354.34	28.23
		For Work In Restricted Working Space, Add	*16.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.23*	
		For Elevated Installation >40' Above Floor, Add	*31.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	923.65	32.26
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.36*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,066.89	36.29
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	6.29	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	8.67	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	11.64	4.44
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	13.58	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	16.48	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	20.24	6.85
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	29.98	7.66
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	36.40	8.67
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.54*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	44.70	9.48
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	46.98	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	2.09	0.40
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	2.69	0.61
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	4.46	1.01
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	6.63	1.41
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	8.25	1.62
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	10.04	1.82

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	187.12	4.89
		For Work In Restricted Working Space, Add	*3.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.12*	
		For Elevated Installation >40' Above Floor, Add	*6.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.67*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	188.30	5.37
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.71*	
		For Elevated Installation >40' Above Floor, Add	*7.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	228.74	5.89
		For Work In Restricted Working Space, Add	*4.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.35*	
		For Elevated Installation >40' Above Floor, Add	*8.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.41*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	251.07	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	287.01	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	437.83	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.09*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	496.76	10.76
		For Work In Restricted Working Space, Add	*8.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.45*	
		For Elevated Installation >40' Above Floor, Add	*14.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.07*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	551.63	11.81
		For Work In Restricted Working Space, Add	*8.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.78*	
		For Elevated Installation >40' Above Floor, Add	*16.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.87*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	645.71	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.14*	
		For Elevated Installation >40' Above Floor, Add	*17.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	728.04	14.51
		For Work In Restricted Working Space, Add	*10.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.15*	
		For Elevated Installation >40' Above Floor, Add	*19.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	993.10	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,245.53	17.91
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.38*	
		For Elevated Installation >40' Above Floor, Add	*24.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	7.24	3.12
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.13*	
		For Elevated Installation >40' Above Floor, Add	*3.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.88*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	8.47	3.32
		For Work In Restricted Working Space, Add	*2.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.33*	
		For Elevated Installation >40' Above Floor, Add	*3.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.00*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	8.67	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.06*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	11.77	3.53
		For Work In Restricted Working Space, Add	*2.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.53*	
		For Elevated Installation >40' Above Floor, Add	*3.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	11.98	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	12.38	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	13.78	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	13.99	4.13
		For Work In Restricted Working Space, Add	*2.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.14*	
		For Elevated Installation >40' Above Floor, Add	*4.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	14.39	4.34
		For Work In Restricted Working Space, Add	*2.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.34*	
		For Elevated Installation >40' Above Floor, Add	*4.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	14.79	4.54
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.54*	
		For Elevated Installation >40' Above Floor, Add	*4.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.63	4.54
		For Work In Restricted Working Space, Add	*2.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.54*	
		For Elevated Installation >40' Above Floor, Add	*4.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.84	4.64
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	22.24	4.84
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.84*	
		For Elevated Installation >40' Above Floor, Add	*5.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	22.64	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	23.65	5.55
		For Work In Restricted Working Space, Add	*3.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.55*	
		For Elevated Installation >40' Above Floor, Add	*6.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	31.72	6.55
		For Work In Restricted Working Space, Add	*3.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	0.90	0.40
		For Work In Restricted Working Space, Add	*0.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*0.41*	
		For Elevated Installation >40' Above Floor, Add	*0.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	1.34	0.61
		For Work In Restricted Working Space, Add	*0.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*0.61*	
		For Elevated Installation >40' Above Floor, Add	*0.67*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	2.23	1.01
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	3.17	1.41
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	3.67	1.62
		For Work In Restricted Working Space, Add	*0.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	4.19	1.82
		For Work In Restricted Working Space, Add	*1.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.82*	
		For Elevated Installation >40' Above Floor, Add	*2.00*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.33	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	7.68	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.58	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	10.80	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.17	0.40
		For Work In Restricted Working Space, Add	*0.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*0.41*	
		For Elevated Installation >40' Above Floor, Add	*0.45*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.84	0.61
		For Work In Restricted Working Space, Add	*0.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*0.61*	
		For Elevated Installation >40' Above Floor, Add	*0.67*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.36	1.01
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	6.07	1.41
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	6.78	1.62
		For Work In Restricted Working Space, Add	*0.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.28	1.82
		For Work In Restricted Working Space, Add	*1.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.82*	
		For Elevated Installation >40' Above Floor, Add	*2.00*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.47	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	17.00	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	24.64	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	30.61	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0528		**Rigid Galvanized Steel (RGS) Insulated Ground Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	5.82	1.21
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	6.92	1.62
		For Work In Restricted Working Space, Add	*0.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.01	2.02
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	12.01	3.22
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	13.55	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.77	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	24.58	4.84
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.84*	
		For Elevated Installation >40' Above Floor, Add	*5.32*	
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	29.17	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	33.76	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	40.09	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	11.27	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	14.52	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	20.17	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	31.10	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	42.44	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	70.64	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	140.64	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	182.61	14.11
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	236.01	17.14
		For Work In Restricted Working Space, Add	*10.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.14*	
		For Elevated Installation >40' Above Floor, Add	*18.85*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	287.30	20.16
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	16.56	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	22.48	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	34.24	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	46.97	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	59.10	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	104.57	14.11
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	193.06	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	240.86	13.92
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	322.78	21.17
		For Work In Restricted Working Space, Add	*12.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.17*	
		For Elevated Installation >40' Above Floor, Add	*23.28*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	407.25	24.19
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	2.31	1.01
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	2.80	1.21
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	3.42	1.41
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	4.42	1.82
		For Work In Restricted Working Space, Add	*1.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.82*	
		For Elevated Installation >40' Above Floor, Add	*2.00*	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.13	2.02
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	6.38	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	3.75	1.01
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	4.43	1.21
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	5.60	1.41
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	7.20	1.82
		For Work In Restricted Working Space, Add	*1.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.82*	
		For Elevated Installation >40' Above Floor, Add	*2.00*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	9.73	2.02
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	11.85	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	14.30	3.02
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	17.16	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	22.18	3.83
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	27.10	4.23
		For Work In Restricted Working Space, Add	*2.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.24*	
		For Elevated Installation >40' Above Floor, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0579		**Rigid Galvanized Steel (RGS) Chase Nipples** *(26 05 33 13-0060)*		
26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	5.28	2.42
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	6.39	2.82
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	8.46	3.43
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.06*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	10.86	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	13.68	5.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	17.95	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	25.23	7.05
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	27.54	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	38.31	9.07
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	62.42	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	14.93	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	17.27	4.23
		For Work In Restricted Working Space, Add	*2.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.24*	
		For Elevated Installation >40' Above Floor, Add	*4.66*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	24.29	4.84
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.84*	
		For Elevated Installation >40' Above Floor, Add	*5.32*	
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	31.77	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	45.74	7.26
		For Work In Restricted Working Space, Add	*4.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.26*	
		For Elevated Installation >40' Above Floor, Add	*7.98*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	66.37	8.47
		For Work In Restricted Working Space, Add	*5.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.47*	
		For Elevated Installation >40' Above Floor, Add	*9.32*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	100.95	9.68
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	197.05	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0599		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0600		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	2.47	0.73
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000, Deduct	*-0.20*	
		For Installation In Metal Stud Wall, Add	*0.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.46*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.27*	
		For Work In Restricted Working Space, Add	*0.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*0.91*	
		For Elevated Installation >40' Above Floor, Add	*1.00*	
		For Factory Applied Color Coating, Add	*0.20*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	3.03	0.81
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000, Deduct	*-0.25*	
		For Installation In Metal Stud Wall, Add	*0.20*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.51*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
		For Factory Applied Color Coating, Add	*0.30*	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	3.90	0.89
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000, Deduct	*-0.33*	
		For Installation In Metal Stud Wall, Add	*0.22*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.55*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.11*	
		For Elevated Installation >40' Above Floor, Add	*1.22*	
		For Factory Applied Color Coating, Add	*0.51*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	5.16	1.00
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.45*	
		For Installation In Metal Stud Wall, Add	*0.25*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.63*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.38*	
		For Work In Restricted Working Space, Add	*0.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.25*	
		For Elevated Installation >40' Above Floor, Add	*1.38*	
		For Factory Applied Color Coating, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	6.13	1.13
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.54*	
		For Installation In Metal Stud Wall, Add	*0.28*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.71*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.42*	
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
		For Factory Applied Color Coating, Add	*0.99*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	7.15	1.29
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.63*	
		For Installation In Metal Stud Wall, Add	*0.32*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.81*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
		For Factory Applied Color Coating, Add	*1.18*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	9.65	1.54
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.87*	
		For Installation In Metal Stud Wall, Add	*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.96*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.57*	
		For Work In Restricted Working Space, Add	*1.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.92*	
		For Elevated Installation >40' Above Floor, Add	*2.11*	
		For Factory Applied Color Coating, Add	*1.75*	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	11.72	1.78
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000, Deduct	*-1.06*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.11*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.67*	
		For Work In Restricted Working Space, Add	*1.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.22*	
		For Elevated Installation >40' Above Floor, Add	*2.44*	
		For Factory Applied Color Coating, Add	*2.18*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	14.97	2.09
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.37*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.31*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.79*	
		For Work In Restricted Working Space, Add	*1.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Factory Applied Color Coating, Add	*2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	20.96	3.99
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000, Deduct	*-1.85*	
		For Installation In Metal Stud Wall, Add	*1.00*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.00*	
		For Elevated Installation >40' Above Floor, Add	*5.49*	
		For Factory Applied Color Coating, Add	*3.29*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	6.56	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.22*	
		For Elevated Installation >40' Above Floor, Add	*2.44*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	6.72	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	8.61	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	9.73	2.42
		For Work In Restricted Working Space, Add	*1.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.03*	
		For Elevated Installation >40' Above Floor, Add	*3.33*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	11.39	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.39	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	23.98	4.19
		For Work In Restricted Working Space, Add	*3.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.24*	
		For Elevated Installation >40' Above Floor, Add	*5.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	33.49	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.85*	
		For Elevated Installation >40' Above Floor, Add	*6.43*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	38.70	5.16
		For Work In Restricted Working Space, Add	*3.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.46*	
		For Elevated Installation >40' Above Floor, Add	*7.10*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	78.73	17.47
		For Work In Restricted Working Space, Add	*13.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.84*	
		For Elevated Installation >40' Above Floor, Add	*24.02*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	6.33	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.22*	
		For Elevated Installation >40' Above Floor, Add	*2.44*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	6.86	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	8.91	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	10.29	2.42
		For Work In Restricted Working Space, Add	*1.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.03*	
		For Elevated Installation >40' Above Floor, Add	*3.33*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	12.11	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.16	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	26.05	4.19
		For Work In Restricted Working Space, Add	*3.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.24*	
		For Elevated Installation >40' Above Floor, Add	*5.76*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	35.13	4.68
		For Work In Restricted Working Space, Add	*3.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.85*	
		For Elevated Installation >40' Above Floor, Add	*6.43*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	43.15	5.16
		For Work In Restricted Working Space, Add	*3.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.46*	
		For Elevated Installation >40' Above Floor, Add	*7.10*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	75.61	17.47
		For Work In Restricted Working Space, Add	*13.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.84*	
		For Elevated Installation >40' Above Floor, Add	*24.02*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	2.26	0.97
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	2.78	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	3.37	1.13
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.82	1.46
		For Work In Restricted Working Space, Add	*1.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.82*	
		For Elevated Installation >40' Above Floor, Add	*2.00*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.01	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.22*	
		For Elevated Installation >40' Above Floor, Add	*2.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.14	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.73	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	15.78	3.71
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	16.62	4.03
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	54.91	14.48
		For Work In Restricted Working Space, Add	*14.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.43*	
		For Elevated Installation >40' Above Floor, Add	*25.77*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	3.02	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	3.48	1.13
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	4.95	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	6.77	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	8.36	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	11.52	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	20.82	3.87
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.84*	
		For Elevated Installation >40' Above Floor, Add	*5.32*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	23.95	4.52
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	29.95	5.65
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	38.34	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	3.89	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.73*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	4.43	1.13
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.85*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	6.76	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.96	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	12.26	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	14.96	2.74
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.06*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	20.07	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	25.95	4.52
		For Work In Restricted Working Space, Add	*3.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.65*	
		For Elevated Installation >40' Above Floor, Add	*6.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	35.32	5.65
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	41.85	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	2.78	1.09
		For Work In Restricted Working Space, Add	*0.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.35*	
		For Elevated Installation >40' Above Floor, Add	*1.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	3.07	1.17
		For Work In Restricted Working Space, Add	*0.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.47*	
		For Elevated Installation >40' Above Floor, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.88*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	4.00	1.46
		For Work In Restricted Working Space, Add	*1.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.80*	
		For Elevated Installation >40' Above Floor, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	5.10	1.86
		For Work In Restricted Working Space, Add	*1.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	6.16	2.13
		For Work In Restricted Working Space, Add	*1.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.69*	
		For Elevated Installation >40' Above Floor, Add	*2.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.61*	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	7.78	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	11.81	3.59
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.48*	
		For Elevated Installation >40' Above Floor, Add	*4.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	15.57	4.76
		For Work In Restricted Working Space, Add	*3.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.97*	
		For Elevated Installation >40' Above Floor, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	19.85	6.12
		For Work In Restricted Working Space, Add	*4.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.68*	
		For Elevated Installation >40' Above Floor, Add	*8.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.61*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	25.16	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0677		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*		
26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	2.22	0.81
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.61*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	2.73	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.73*	
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	3.37	1.13
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.85*	
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.03	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.30	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.20	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	14.08	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	17.44	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	20.37	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	23.69	5.65
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	3.02	1.09
		For Work In Restricted Working Space, Add	*0.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.35*	
		For Elevated Installation >40' Above Floor, Add	*1.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.81*	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	3.45	1.17
		For Work In Restricted Working Space, Add	*0.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.47*	
		For Elevated Installation >40' Above Floor, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.88*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	4.51	1.46
		For Work In Restricted Working Space, Add	*1.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.80*	
		For Elevated Installation >40' Above Floor, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.12	1.86
		For Work In Restricted Working Space, Add	*1.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.40	2.13
		For Work In Restricted Working Space, Add	*1.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.69*	
		For Elevated Installation >40' Above Floor, Add	*2.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.61*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.23	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	18.07	3.59
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.48*	
		For Elevated Installation >40' Above Floor, Add	*4.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	22.83	4.76
		For Work In Restricted Working Space, Add	*3.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.97*	
		For Elevated Installation >40' Above Floor, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	28.99	6.12
		For Work In Restricted Working Space, Add	*4.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.68*	
		For Elevated Installation >40' Above Floor, Add	*8.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.61*	
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.16	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	2.73	0.97
		For Work In Restricted Working Space, Add	*0.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.21*	
		For Elevated Installation >40' Above Floor, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.73*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	3.29	1.13
		For Work In Restricted Working Space, Add	*0.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.85*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	4.70	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.11	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.43	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.83*	
		For Elevated Installation >40' Above Floor, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	9.85	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.47	3.87
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.84*	
		For Elevated Installation >40' Above Floor, Add	*5.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	22.29	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	29.82	5.65
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	33.17	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	3.23	1.09
		For Work In Restricted Working Space, Add	*0.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.35*	
		For Elevated Installation >40' Above Floor, Add	*1.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.81*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	3.68	1.17
		For Work In Restricted Working Space, Add	*0.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.47*	
		For Elevated Installation >40' Above Floor, Add	*1.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	4.69	1.46
		For Work In Restricted Working Space, Add	*1.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.80*	
		For Elevated Installation >40' Above Floor, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.08*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	6.66	1.86
		For Work In Restricted Working Space, Add	*1.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.29	2.13
		For Work In Restricted Working Space, Add	*1.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.69*	
		For Elevated Installation >40' Above Floor, Add	*2.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.61*	
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.52	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.23*	
		For Elevated Installation >40' Above Floor, Add	*3.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	22.77	3.59
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.48*	
		For Elevated Installation >40' Above Floor, Add	*4.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.69*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	30.73	4.76
		For Work In Restricted Working Space, Add	*3.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.97*	
		For Elevated Installation >40' Above Floor, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	42.83	6.12
		For Work In Restricted Working Space, Add	*4.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.68*	
		For Elevated Installation >40' Above Floor, Add	*8.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.61*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	52.29	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*
Note: Excludes jumper.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	35.21	5.37
		For Work In Restricted Working Space, Add	*4.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.71*	
		For Elevated Installation >40' Above Floor, Add	*7.38*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	42.27	6.49
		For Work In Restricted Working Space, Add	*4.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.14*	
		For Elevated Installation >40' Above Floor, Add	*8.95*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	51.37	8.15
		For Work In Restricted Working Space, Add	*6.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.17*	
		For Elevated Installation >40' Above Floor, Add	*11.18*	
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	68.49	10.00
		For Work In Restricted Working Space, Add	*7.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.51*	
		For Elevated Installation >40' Above Floor, Add	*13.76*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	87.94	11.73
		For Work In Restricted Working Space, Add	*8.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.67*	
		For Elevated Installation >40' Above Floor, Add	*16.14*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	111.92	14.27
		For Work In Restricted Working Space, Add	*10.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.86*	
		For Elevated Installation >40' Above Floor, Add	*19.65*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	249.85	18.34
		For Work In Restricted Working Space, Add	*13.76*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.94*	
		For Elevated Installation >40' Above Floor, Add	*25.23*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	309.58	21.45
		For Work In Restricted Working Space, Add	*16.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.82*	
		For Elevated Installation >40' Above Floor, Add	*29.50*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	392.22	23.38
		For Work In Restricted Working Space, Add	*17.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.24*	
		For Elevated Installation >40' Above Floor, Add	*32.16*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	422.52	25.81
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.27*	
		For Elevated Installation >40' Above Floor, Add	*35.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0732		**Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters** *(26 05 33 13-0599)*		
26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	4.90	1.46
		For Work In Restricted Working Space, Add	*1.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.79*	
		For Elevated Installation >40' Above Floor, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.07*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	5.61	1.46
		For Work In Restricted Working Space, Add	*1.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.79*	
		For Elevated Installation >40' Above Floor, Add	*1.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.07*	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	6.31	1.58
		For Work In Restricted Working Space, Add	*1.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.99*	
		For Elevated Installation >40' Above Floor, Add	*2.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.19*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	7.51	1.82
		For Work In Restricted Working Space, Add	*1.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.27*	
		For Elevated Installation >40' Above Floor, Add	*2.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.36*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.24	2.17
		For Work In Restricted Working Space, Add	*1.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.74*	
		For Elevated Installation >40' Above Floor, Add	*3.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.64*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	15.67	2.50
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.13*	
		For Elevated Installation >40' Above Floor, Add	*3.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.88*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	20.95	3.14
		For Work In Restricted Working Space, Add	*2.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.91*	
		For Elevated Installation >40' Above Floor, Add	*4.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.35*	
26 05 33 13-0740		**Electrical Metallic Tubing (EMT) Pulling Elbows** *(26 05 33 13-0599)*		
26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	10.68	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	12.43	4.23
		For Work In Restricted Working Space, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.54*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	16.76	4.84
		For Work In Restricted Working Space, Add	*2.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	21.84	6.04
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	4.38	0.81
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.23*	
		For Installation In Metal Stud Wall, Add	*0.21*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.52*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.31*	
		For Work In Restricted Working Space, Add	*0.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.05*	
		For Elevated Installation >40' Above Floor, Add	*1.15*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	5.23	0.89
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.27*	
		For Installation In Metal Stud Wall, Add	*0.25*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.63*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.38*	
		For Work In Restricted Working Space, Add	*0.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.25*	
		For Elevated Installation >40' Above Floor, Add	*1.38*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	7.35	0.97
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stud Wall, Add	*0.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.79*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.47*	
		For Work In Restricted Working Space, Add	*0.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.57*	
		For Elevated Installation >40' Above Floor, Add	*1.73*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	8.81	1.94
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.87*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.74*	
		For Elevated Installation >40' Above Floor, Add	*1.91*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	10.09	1.29
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.63*	
		For Installation In Metal Stud Wall, Add	*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.95*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.57*	
		For Work In Restricted Working Space, Add	*1.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.90*	
		For Elevated Installation >40' Above Floor, Add	*2.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	13.14	1.46
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.85*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.30*	
		For Elevated Installation >40' Above Floor, Add	*2.53*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	25.02	1.94
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For Installation In Metal Stud Wall, Add	*0.61*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.52*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.91*	
		For Work In Restricted Working Space, Add	*1.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.04*	
		For Elevated Installation >40' Above Floor, Add	*3.34*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	31.37	2.42
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For Installation In Metal Stud Wall, Add	*0.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.02*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	36.24	2.90
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.70*	
		For Installation In Metal Stud Wall, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.31*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.39*	
		For Work In Restricted Working Space, Add	*2.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.62*	
		For Elevated Installation >40' Above Floor, Add	*5.08*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	42.53	3.39
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.18*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.69*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.61*	
		For Work In Restricted Working Space, Add	*3.23*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.38*	
		For Elevated Installation >40' Above Floor, Add	*5.92*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	22.08	3.99
		For Work In Restricted Working Space, Add	*3.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.01*	
		For Elevated Installation >40' Above Floor, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	25.99	4.96
		For Work In Restricted Working Space, Add	*3.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.23*	
		For Elevated Installation >40' Above Floor, Add	*6.85*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	34.43	6.08
		For Work In Restricted Working Space, Add	*4.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.59*	
		For Elevated Installation >40' Above Floor, Add	*8.35*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	44.61	7.05
		For Work In Restricted Working Space, Add	*5.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.81*	
		For Elevated Installation >40' Above Floor, Add	*9.69*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	54.36	8.10
		For Work In Restricted Working Space, Add	*6.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.12*	
		For Elevated Installation >40' Above Floor, Add	*11.13*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	71.39	8.91
		For Work In Restricted Working Space, Add	*6.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.56*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.13*	
		For Elevated Installation >40' Above Floor, Add	*12.24*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	111.25	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.91*	
		For Elevated Installation >40' Above Floor, Add	*15.30*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	165.62	15.16
		For Work In Restricted Working Space, Add	*11.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.95*	
		For Elevated Installation >40' Above Floor, Add	*20.85*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	268.23	17.10
		For Work In Restricted Working Space, Add	*12.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.38*	
		For Elevated Installation >40' Above Floor, Add	*23.51*	
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	317.18	22.25
		For Work In Restricted Working Space, Add	*16.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.82*	
		For Elevated Installation >40' Above Floor, Add	*30.60*	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0745)*

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	6.07	2.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	7.47	0.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.04	3.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.46	3.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	14.60	4.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.96	5.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	43.42	8.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	48.10	10.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.23*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	70.05	13.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.80*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	84.15	15.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.37*	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0745)*

Note: 3-Piece coupling.

26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	22.62	6.45
		For Work In Restricted Working Space, Add	*4.85*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.08*	
		For Elevated Installation >40' Above Floor, Add	*8.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.85*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	26.36	7.22
		For Work In Restricted Working Space, Add	*5.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.01*	
		For Elevated Installation >40' Above Floor, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	36.14	8.02
		For Work In Restricted Working Space, Add	*6.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.04*	
		For Elevated Installation >40' Above Floor, Add	*11.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	51.54	8.79
		For Work In Restricted Working Space, Add	*6.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.99*	
		For Elevated Installation >40' Above Floor, Add	*12.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	61.14	9.60
		For Work In Restricted Working Space, Add	*7.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.02*	
		For Elevated Installation >40' Above Floor, Add	*13.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.21*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	100.25	10.40
		For Work In Restricted Working Space, Add	*7.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.02*	
		For Elevated Installation >40' Above Floor, Add	*14.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	191.02	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	282.43	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	437.37	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.21*	
		For Elevated Installation >40' Above Floor, Add	*26.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.52*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	512.81	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	15.10	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	17.20	3.55
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	20.01	4.03
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
		For Elevated Installation >40' Above Floor, Add	*5.55*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	23.98	4.36
		For Work In Restricted Working Space, Add	*3.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.44*	
		For Elevated Installation >40' Above Floor, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	30.36	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.30	5.33
		For Work In Restricted Working Space, Add	*3.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.66*	
		For Elevated Installation >40' Above Floor, Add	*7.32*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	59.39	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	72.95	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	87.69	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	101.62	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	11.00	3.22
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.03*	
		For Elevated Installation >40' Above Floor, Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	14.49	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	18.61	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.63*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	23.33	5.65
		For Work In Restricted Working Space, Add	*4.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.06*	
		For Elevated Installation >40' Above Floor, Add	*7.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.24*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	28.00	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	35.29	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.44*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.89	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	60.87	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	76.38	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	91.53	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	143.14	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	157.85	7.26
		For Work In Restricted Working Space, Add	*5.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	175.43	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	215.86	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	269.87	9.68
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	364.99	10.48
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	564.42	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	675.75	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	956.17	19.35
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,112.28	20.97
		For Work In Restricted Working Space, Add	*15.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.21*	
		For Elevated Installation >40' Above Floor, Add	*28.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0823		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*		
26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	69.03	10.08
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	81.59	12.10
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	102.00	14.11
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	121.84	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	171.16	18.14
		For Work In Restricted Working Space, Add	*10.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.15*	
		For Elevated Installation >40' Above Floor, Add	*19.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.89*	
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	215.06	20.16
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.16*	
		For Elevated Installation >40' Above Floor, Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	319.88	24.19
		For Work In Restricted Working Space, Add	*14.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.52*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	388.08	28.23
		For Work In Restricted Working Space, Add	*16.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.23*	
		For Elevated Installation >40' Above Floor, Add	*31.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,020.97	32.26
		For Work In Restricted Working Space, Add	*19.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.26*	
		For Elevated Installation >40' Above Floor, Add	*35.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.36*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,179.53	36.29
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	6.51	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	8.88	2.74
		For Work In Restricted Working Space, Add	*2.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	11.88	3.55
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.43*	
		For Elevated Installation >40' Above Floor, Add	*4.87*	
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	13.86	4.03
		For Work In Restricted Working Space, Add	*3.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.05*	
		For Elevated Installation >40' Above Floor, Add	*5.55*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	16.85	4.84
		For Work In Restricted Working Space, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.65*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	19.98	5.49
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	29.21	6.12
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	36.31	6.93
		For Work In Restricted Working Space, Add	*5.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.54*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	44.32	7.58
		For Work In Restricted Working Space, Add	*5.69*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.43*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	45.71	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.08*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	3.88	0.81
		For Work In Restricted Working Space, Add	*0.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	4.96	0.81
		For Work In Restricted Working Space, Add	*0.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.81*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.01*	
		For Elevated Installation >40' Above Floor, Add	*1.11*	

26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	8.23	1.13
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.41*	
		For Elevated Installation >40' Above Floor, Add	*1.55*	
		For Work In Restricted Working Space, Add	*0.85*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	9.48	1.29
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.61*	
		For Elevated Installation >40' Above Floor, Add	*1.77*	
		For Work In Restricted Working Space, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.14	1.62
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.81*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.02*	
		For Elevated Installation >40' Above Floor, Add	*2.22*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	15.12	1.94
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-1.01*	
		For >1,000, Deduct	*-1.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Work In Restricted Working Space, Add	*1.45*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	18.54	2.42
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.02*	
		For Elevated Installation >40' Above Floor, Add	*3.32*	
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	23.55	2.90
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.58*	
		For >1,000, Deduct	*-2.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.63*	
		For Elevated Installation >40' Above Floor, Add	*3.99*	
		For Work In Restricted Working Space, Add	*2.18*	
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	33.17	3.39
		For >250 To 500, Deduct	*-1.45*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.24*	
		For Elevated Installation >40' Above Floor, Add	*4.66*	
		For Work In Restricted Working Space, Add	*2.54*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	41.63	4.19
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.24*	
		For Elevated Installation >40' Above Floor, Add	*5.76*	
		For Work In Restricted Working Space, Add	*3.14*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	51.01	5.16
		For >250 To 500, Deduct	*-2.23*	
		For >500 To 1,000, Deduct	*-3.50*	
		For >1,000, Deduct	*-4.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.46*	
		For Elevated Installation >40' Above Floor, Add	*7.10*	
		For Work In Restricted Working Space, Add	*3.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	60.24	6.12
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-5.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Work In Restricted Working Space, Add	*4.60*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	97.75	7.26
		For >250 To 500, Deduct	*-4.43*	
		For >500 To 1,000, Deduct	*-6.88*	
		For >1,000, Deduct	*-9.32*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.07*	
		For Elevated Installation >40' Above Floor, Add	*9.98*	
		For Work In Restricted Working Space, Add	*5.44*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	133.28	9.68
		For >250 To 500, Deduct	*-6.06*	
		For >500 To 1,000, Deduct	*-9.39*	
		For >1,000, Deduct	*-12.72*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Work In Restricted Working Space, Add	*7.26*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	10.55	2.42
		For Elevated Installation >10' To 15' Above Floor, Add	*0.48*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.42*	
		For Elevated Installation >40' Above Floor, Add	*2.66*	
		For Work In Restricted Working Space, Add	*1.45*	
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	12.83	3.43
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.43*	
		For Elevated Installation >40' Above Floor, Add	*3.77*	
		For Work In Restricted Working Space, Add	*2.06*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	16.63	4.44
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.44*	
		For Elevated Installation >40' Above Floor, Add	*4.88*	
		For Work In Restricted Working Space, Add	*2.66*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	19.14	5.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Work In Restricted Working Space, Add	*3.02*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	22.87	6.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Work In Restricted Working Space, Add	*3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	29.47	6.85
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Work In Restricted Working Space, Add	*4.11*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	54.33	6.85
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Work In Restricted Working Space, Add	*4.60*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	64.71	9.48
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.67*	
		For Elevated Installation >40' Above Floor, Add	*9.54*	
		For Work In Restricted Working Space, Add	*5.20*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	79.72	9.48
		For Elevated Installation >10' To 15' Above Floor, Add	*1.90*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.48*	
		For Elevated Installation >40' Above Floor, Add	*10.42*	
		For Work In Restricted Working Space, Add	*5.69*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	91.22	10.08
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Work In Restricted Working Space, Add	*6.05*	
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	255.73	12.10
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Work In Restricted Working Space, Add	*7.26*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	286.87	14.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Work In Restricted Working Space, Add	*8.47*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	33.12	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	37.02	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	43.74	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	52.34	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	62.18	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	79.04	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	130.77	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	200.45	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	253.92	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	282.02	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	623.24	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	989.38	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0888		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows** *(26 05 33 13-0848)*		
26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	90.91	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	101.58	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	116.09	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	141.25	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	201.18	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0894		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows** *(26 05 33 13-0848)*		
26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	103.66	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	122.65	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	131.20	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	174.20	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	232.96	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	294.68	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	118.91	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	133.63	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	150.59	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	185.13	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	269.47	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	337.55	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	433.44	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	477.60	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	145.26	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	159.40	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	179.84	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	227.26	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	334.81	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	410.18	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	477.78	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	559.01	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	165.75	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	183.38	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	208.64	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	263.93	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	370.47	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	468.27	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	585.60	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	633.74	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,059.51	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	192.56	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	212.36	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	240.20	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	304.60	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	429.88	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	542.28	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	639.63	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	730.22	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,127.12	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,523.63	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	
26 05 33 13-0940		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows** *(26 05 33 13-0848)*		
26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	229.88	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	238.19	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	282.45	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	361.21	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	509.99	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	642.06	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	789.83	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	917.90	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,347.66	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,624.87	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	238.87	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	281.89	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	318.98	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.11*	
		For Elevated Installation >40' Above Floor, Add	*14.42*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	378.24	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	530.00	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	672.75	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	871.63	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	960.46	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,406.91	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,676.30	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	80.40	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	96.65	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	133.24	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	232.30	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	255.45	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	328.77	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	954.95	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,131.25	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,493.51	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	76.31	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	92.03	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	133.24	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	229.92	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	245.86	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	328.88	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	914.03	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,101.40	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,493.44	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	67.25	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	78.28	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	93.06	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	139.50	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	163.97	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	269.70	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	800.06	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	888.53	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,121.50	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	127.84	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	196.11	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	249.10	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	287.44	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	326.42	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	437.51	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,453.11	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,686.83	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,057.54	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1002		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*		
26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	143.92	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	211.29	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	251.99	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	292.20	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	339.47	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	552.27	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,626.26	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,291.33	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,363.56	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	110.12	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	137.88	8.65
		For Elevated Installation >10' To 15' Above Floor, Add	*1.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.33*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.65*	
		For Elevated Installation >40' Above Floor, Add	*9.52*	
		For Work In Restricted Working Space, Add	*5.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.19*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	166.31	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.98*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	182.90	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	253.05	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	369.11	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,309.70	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,462.59	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.78*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,718.97	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.70*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	81.20	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	90.97	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	116.17	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	158.95	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	189.32	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	267.61	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	469.52	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.39*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.23*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	595.96	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.90*	
		For Work In Restricted Working Space, Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.31*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	846.71	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.38*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	960.52	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.09*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	105.89	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	122.00	18.34
		For Elevated Installation >10' To 15' Above Floor, Add	*3.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.35*	
		For Elevated Installation >40' Above Floor, Add	*20.18*	
		For Work In Restricted Working Space, Add	*11.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.01*	
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	155.27	20.18
		For Elevated Installation >10' To 15' Above Floor, Add	*4.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.18*	
		For Elevated Installation >40' Above Floor, Add	*22.20*	
		For Work In Restricted Working Space, Add	*12.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.11*	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	220.24	23.06
		For Elevated Installation >10' To 15' Above Floor, Add	*4.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.06*	
		For Elevated Installation >40' Above Floor, Add	*25.37*	
		For Work In Restricted Working Space, Add	*13.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.84*	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	266.16	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	371.87	30.92
		For Elevated Installation >10' To 15' Above Floor, Add	*6.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.93*	
		For Elevated Installation >40' Above Floor, Add	*34.02*	
		For Work In Restricted Working Space, Add	*18.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.56*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	93.51	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	105.78	16.78
		For Elevated Installation >10' To 15' Above Floor, Add	*3.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.78*	
		For Elevated Installation >40' Above Floor, Add	*18.45*	
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	133.47	18.34
		For Elevated Installation >10' To 15' Above Floor, Add	*3.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.35*	
		For Elevated Installation >40' Above Floor, Add	*20.18*	
		For Work In Restricted Working Space, Add	*11.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.01*	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	178.18	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	216.27	23.06
		For Elevated Installation >10' To 15' Above Floor, Add	*4.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.07*	
		For Elevated Installation >40' Above Floor, Add	*25.37*	
		For Work In Restricted Working Space, Add	*13.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.84*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	301.06	26.99
		For Elevated Installation >10' To 15' Above Floor, Add	*5.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.00*	
		For Elevated Installation >40' Above Floor, Add	*29.69*	
		For Work In Restricted Working Space, Add	*16.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.20*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	495.98	39.31
		For Elevated Installation >10' To 15' Above Floor, Add	*7.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.32*	
		For Elevated Installation >40' Above Floor, Add	*43.25*	
		For Work In Restricted Working Space, Add	*23.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	659.13	51.10
		For Elevated Installation >10' To 15' Above Floor, Add	*10.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.11*	
		For Elevated Installation >40' Above Floor, Add	*56.22*	
		For Work In Restricted Working Space, Add	*30.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.66*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	926.27	62.90
		For Elevated Installation >10' To 15' Above Floor, Add	*12.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.90*	
		For Elevated Installation >40' Above Floor, Add	*69.19*	
		For Work In Restricted Working Space, Add	*37.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.74*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,019.90	75.74
		For Elevated Installation >10' To 15' Above Floor, Add	*15.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.75*	
		For Elevated Installation >40' Above Floor, Add	*83.32*	
		For Work In Restricted Working Space, Add	*45.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.45*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	23.01	1.58
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.57*	
		For Elevated Installation >40' Above Floor, Add	*1.73*	
		For Work In Restricted Working Space, Add	*0.94*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	25.62	1.84
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.84*	
		For Elevated Installation >40' Above Floor, Add	*2.02*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	33.51	2.35
		For Elevated Installation >10' To 15' Above Floor, Add	*0.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.36*	
		For Elevated Installation >40' Above Floor, Add	*2.60*	
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	43.53	2.88
		For Elevated Installation >10' To 15' Above Floor, Add	*0.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.89*	
		For Elevated Installation >40' Above Floor, Add	*3.17*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	48.22	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	60.50	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	80.08	4.46
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.46*	
		For Elevated Installation >40' Above Floor, Add	*4.90*	
		For Work In Restricted Working Space, Add	*2.67*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	83.75	6.29
		For Elevated Installation >10' To 15' Above Floor, Add	*1.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.29*	
		For Elevated Installation >40' Above Floor, Add	*6.92*	
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	103.39	7.07
		For Elevated Installation >10' To 15' Above Floor, Add	*1.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.08*	
		For Elevated Installation >40' Above Floor, Add	*7.78*	
		For Work In Restricted Working Space, Add	*4.25*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	107.07	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.92*	
		For Elevated Installation >40' Above Floor, Add	*9.81*	
		For Work In Restricted Working Space, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*		
26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	96.26	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	105.29	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	123.87	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	148.28	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	192.32	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	233.76	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	341.37	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.23*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	432.81	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	962.25	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.38*	
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,448.74	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.09*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	188.81	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	200.98	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	229.38	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	254.99	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	315.17	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	350.61	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	493.31	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.23*	
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	693.00	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.31*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,037.81	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.38*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,547.62	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.09*	
26 05 33 13-1084		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*		
26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	144.26	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	151.09	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	173.73	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	191.88	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	278.42	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	352.83	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	557.92	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.23*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	824.46	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.31*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,037.81	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.38*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	201.89	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	222.80	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	279.84	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	348.32	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	499.45	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	598.49	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	31.73	5.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Work In Restricted Working Space, Add	*3.02*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	43.83	6.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.05*	
		For Elevated Installation >40' Above Floor, Add	*6.66*	
		For Work In Restricted Working Space, Add	*3.63*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	54.65	8.06
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.07*	
		For Elevated Installation >40' Above Floor, Add	*8.87*	
		For Work In Restricted Working Space, Add	*4.84*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	77.98	10.08
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Work In Restricted Working Space, Add	*6.05*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	105.41	12.10
		For Elevated Installation >10' To 15' Above Floor, Add	*2.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.10*	
		For Elevated Installation >40' Above Floor, Add	*13.30*	
		For Work In Restricted Working Space, Add	*7.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	199.97	14.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Work In Restricted Working Space, Add	*8.47*	
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	302.64	16.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Work In Restricted Working Space, Add	*9.68*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	383.02	18.14
		For Elevated Installation >10' To 15' Above Floor, Add	*3.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.15*	
		For Elevated Installation >40' Above Floor, Add	*19.96*	
		For Work In Restricted Working Space, Add	*10.89*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	544.39	21.17
		For Elevated Installation >10' To 15' Above Floor, Add	*4.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.17*	
		For Elevated Installation >40' Above Floor, Add	*23.28*	
		For Work In Restricted Working Space, Add	*12.70*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	665.16	24.19
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.20*	
		For Elevated Installation >40' Above Floor, Add	*26.61*	
		For Work In Restricted Working Space, Add	*14.52*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,065.73	38.30
		For Elevated Installation >10' To 15' Above Floor, Add	*7.66*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.31*	
		For Elevated Installation >40' Above Floor, Add	*42.14*	
		For Work In Restricted Working Space, Add	*22.98*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,440.03	58.46
		For Elevated Installation >10' To 15' Above Floor, Add	*11.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.47*	
		For Elevated Installation >40' Above Floor, Add	*64.31*	
		For Work In Restricted Working Space, Add	*35.08*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	134.09	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	161.23	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	174.66	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	263.63	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	359.51	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	381.09	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	967.73	34.85
		For Elevated Installation >10' To 15' Above Floor, Add	*6.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.86*	
		For Elevated Installation >40' Above Floor, Add	*38.35*	
		For Work In Restricted Working Space, Add	*20.92*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	992.58	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.90*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,673.80	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,714.58	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.82*	
		For Elevated Installation >40' Above Floor, Add	*79.00*	
		For Work In Restricted Working Space, Add	*43.09*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	211.62	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	240.84	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	508.17	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	528.07	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	736.21	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	777.53	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,530.96	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,583.41	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,347.76	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1135	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,644.50	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	76.40	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	87.51	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	103.48	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	122.77	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	56.21	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	63.27	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	91.67	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	122.86	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	152.41	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	231.76	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	321.32	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	76.45	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	90.31	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	103.50	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	122.82	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	56.28	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	63.27	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	83.30	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	106.62	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	125.96	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	147.03	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	299.71	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	332.40	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	355.20	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	432.84	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1165		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows** *(26 05 33 13-0848)*		
26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	121.01	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.55*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	128.45	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	138.54	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.91*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	194.70	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.48*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	257.33	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1171		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	153.01	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	162.42	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	190.81	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	285.42	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	492.40	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	524.94	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	

26 05 33 13-1178 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	171.18	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	192.71	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	208.09	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	302.98	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	534.30	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	563.39	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	171.32	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	187.35	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	224.78	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	316.36	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	554.26	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	588.00	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	221.60	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	243.25	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	261.13	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	722.73	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	87.53	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	94.57	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	104.41	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	101.16	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	106.49	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	120.98	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	93.97	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	101.83	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	109.42	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	110.38	12.58
		For Elevated Installation >10' To 15' Above Floor, Add	*2.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.58*	
		For Elevated Installation >40' Above Floor, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	118.40	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	133.23	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	41.73	1.58
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.57*	
		For Elevated Installation >40' Above Floor, Add	*1.73*	
		For Work In Restricted Working Space, Add	*0.94*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	57.65	1.84
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.84*	
		For Elevated Installation >40' Above Floor, Add	*2.02*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	54.11	1.84
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.84*	
		For Elevated Installation >40' Above Floor, Add	*2.02*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	47.51	1.84
		For Elevated Installation >10' To 15' Above Floor, Add	*0.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.84*	
		For Elevated Installation >40' Above Floor, Add	*2.02*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	250.18	2.62
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	221.53	2.62
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Work In Restricted Working Space, Add	*1.57*	

26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*

Note: Includes covers.

26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	221.08	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	246.60	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	356.46	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	424.24	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	615.69	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	769.46	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,157.69	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,440.45	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	221.08	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	246.60	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	355.30	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	412.57	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	626.43	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	817.67	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,215.88	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,476.68	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	221.08	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	246.60	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	355.30	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	412.57	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	626.43	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	817.67	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,215.88	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,476.68	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	221.08	16.51
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.52*	
		For Elevated Installation >40' Above Floor, Add	*18.17*	
		For Work In Restricted Working Space, Add	*9.91*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	246.60	19.13
		For Elevated Installation >10' To 15' Above Floor, Add	*3.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.13*	
		For Elevated Installation >40' Above Floor, Add	*21.04*	
		For Work In Restricted Working Space, Add	*11.48*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	356.46	20.97
		For Elevated Installation >10' To 15' Above Floor, Add	*4.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.97*	
		For Elevated Installation >40' Above Floor, Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	418.85	25.16
		For Elevated Installation >10' To 15' Above Floor, Add	*5.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.17*	
		For Elevated Installation >40' Above Floor, Add	*27.68*	
		For Work In Restricted Working Space, Add	*15.10*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	615.69	35.38
		For Elevated Installation >10' To 15' Above Floor, Add	*7.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.38*	
		For Elevated Installation >40' Above Floor, Add	*38.92*	
		For Work In Restricted Working Space, Add	*21.23*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	769.46	47.17
		For Elevated Installation >10' To 15' Above Floor, Add	*9.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*47.18*	
		For Elevated Installation >40' Above Floor, Add	*51.89*	
		For Work In Restricted Working Space, Add	*28.31*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,157.69	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,455.54	71.81
		For Elevated Installation >10' To 15' Above Floor, Add	*14.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.81*	
		For Elevated Installation >40' Above Floor, Add	*78.99*	
		For Work In Restricted Working Space, Add	*43.09*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	127.24	2.35
		For Elevated Installation >10' To 15' Above Floor, Add	*0.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.36*	
		For Elevated Installation >40' Above Floor, Add	*2.60*	
		For Work In Restricted Working Space, Add	*1.42*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	127.76	2.62
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	180.72	3.67
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.67*	
		For Elevated Installation >40' Above Floor, Add	*4.04*	
		For Work In Restricted Working Space, Add	*2.20*	
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	181.77	4.19
		For Elevated Installation >10' To 15' Above Floor, Add	*0.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.20*	
		For Elevated Installation >40' Above Floor, Add	*4.61*	
		For Work In Restricted Working Space, Add	*2.52*	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	324.57	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.48*	
		For Work In Restricted Working Space, Add	*2.99*	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	327.19	6.29
		For Elevated Installation >10' To 15' Above Floor, Add	*1.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.29*	
		For Elevated Installation >40' Above Floor, Add	*6.92*	
		For Work In Restricted Working Space, Add	*3.77*	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	499.90	7.07
		For Elevated Installation >10' To 15' Above Floor, Add	*1.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.08*	
		For Elevated Installation >40' Above Floor, Add	*7.78*	
		For Work In Restricted Working Space, Add	*4.25*	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	504.09	9.18
		For Elevated Installation >10' To 15' Above Floor, Add	*1.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.17*	
		For Elevated Installation >40' Above Floor, Add	*10.09*	
		For Work In Restricted Working Space, Add	*5.50*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	211.74	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	249.04	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	293.77	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	364.08	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	493.55	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	694.40	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	999.14	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,236.00	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,754.25	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,009.55	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	347.82	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	357.27	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	398.79	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	484.10	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	589.38	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	760.37	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,132.03	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,413.58	24.64
		For Elevated Installation >10' To 15' Above Floor, Add	*4.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.64*	
		For Elevated Installation >40' Above Floor, Add	*27.10*	
		For Work In Restricted Working Space, Add	*14.78*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,811.58	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,263.46	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	67.06	3.14
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.15*	
		For Elevated Installation >40' Above Floor, Add	*3.46*	
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	71.20	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	77.19	4.72
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.72*	
		For Elevated Installation >40' Above Floor, Add	*5.19*	
		For Work In Restricted Working Space, Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.83*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	86.08	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	119.29	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	147.70	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	215.31	9.18
		For Elevated Installation >10' To 15' Above Floor, Add	*1.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.17*	
		For Elevated Installation >40' Above Floor, Add	*10.09*	
		For Work In Restricted Working Space, Add	*5.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	280.10	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	362.98	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	454.74	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	545.49	29.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.35*	
		For Elevated Installation >40' Above Floor, Add	*32.29*	
		For Work In Restricted Working Space, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.61*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	822.63	44.29
		For Elevated Installation >10' To 15' Above Floor, Add	*8.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.30*	
		For Elevated Installation >40' Above Floor, Add	*48.72*	
		For Work In Restricted Working Space, Add	*26.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.58*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	105.72	3.14
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.15*	
		For Elevated Installation >40' Above Floor, Add	*3.46*	
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	110.13	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	116.98	4.72
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.72*	
		For Elevated Installation >40' Above Floor, Add	*5.19*	
		For Work In Restricted Working Space, Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	132.48	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	141.20	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	159.90	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	249.56	9.18
		For Elevated Installation >10' To 15' Above Floor, Add	*1.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.17*	
		For Elevated Installation >40' Above Floor, Add	*10.09*	
		For Work In Restricted Working Space, Add	*5.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	294.86	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	366.17	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	475.33	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	735.89	29.36
		For Elevated Installation >10' To 15' Above Floor, Add	*5.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.35*	
		For Elevated Installation >40' Above Floor, Add	*32.29*	
		For Work In Restricted Working Space, Add	*17.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.61*	
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,215.02	44.29
		For Elevated Installation >10' To 15' Above Floor, Add	*8.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.30*	
		For Elevated Installation >40' Above Floor, Add	*48.72*	
		For Work In Restricted Working Space, Add	*26.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	114.32	3.14
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.15*	
		For Elevated Installation >40' Above Floor, Add	*3.46*	
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	118.29	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	125.51	4.72
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.72*	
		For Elevated Installation >40' Above Floor, Add	*5.19*	
		For Work In Restricted Working Space, Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.83*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	158.36	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	172.44	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	181.46	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	72.75	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	76.98	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	101.33	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	154.08	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	184.23	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	239.43	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	321.30	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	429.25	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	543.16	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	698.42	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,288.16	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,570.89	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1328		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*		
26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	74.76	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	84.65	8.12
		For Elevated Installation >10' To 15' Above Floor, Add	*1.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.13*	
		For Elevated Installation >40' Above Floor, Add	*8.94*	
		For Work In Restricted Working Space, Add	*4.88*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	105.42	9.96
		For Elevated Installation >10' To 15' Above Floor, Add	*1.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.96*	
		For Elevated Installation >40' Above Floor, Add	*10.96*	
		For Work In Restricted Working Space, Add	*5.98*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	161.59	11.53
		For Elevated Installation >10' To 15' Above Floor, Add	*2.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.53*	
		For Elevated Installation >40' Above Floor, Add	*12.68*	
		For Work In Restricted Working Space, Add	*6.92*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	194.66	13.11
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Work In Restricted Working Space, Add	*7.86*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	261.94	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	369.45	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	478.22	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	631.68	27.78
		For Elevated Installation >10' To 15' Above Floor, Add	*5.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.78*	
		For Elevated Installation >40' Above Floor, Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	786.62	36.17
		For Elevated Installation >10' To 15' Above Floor, Add	*7.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.17*	
		For Elevated Installation >40' Above Floor, Add	*39.79*	
		For Work In Restricted Working Space, Add	*21.70*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,449.84	58.97
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.97*	
		For Elevated Installation >40' Above Floor, Add	*64.87*	
		For Work In Restricted Working Space, Add	*35.38*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,831.96	88.59
		For Elevated Installation >10' To 15' Above Floor, Add	*17.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*70.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*88.59*	
		For Elevated Installation >40' Above Floor, Add	*97.44*	
		For Work In Restricted Working Space, Add	*53.15*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	44.54	2.09
		For Elevated Installation >10' To 15' Above Floor, Add	*0.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.10*	
		For Elevated Installation >40' Above Floor, Add	*2.30*	
		For Work In Restricted Working Space, Add	*1.26*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	48.01	2.62
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	55.55	2.62
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.62*	
		For Elevated Installation >40' Above Floor, Add	*2.88*	
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	69.59	2.88
		For Elevated Installation >10' To 15' Above Floor, Add	*0.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.89*	
		For Elevated Installation >40' Above Floor, Add	*3.17*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	73.94	2.88
		For Elevated Installation >10' To 15' Above Floor, Add	*0.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.89*	
		For Elevated Installation >40' Above Floor, Add	*3.17*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	61.04	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.75	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	114.40	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	126.80	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	123.03	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	130.03	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	147.64	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	144.48	4.72
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.72*	
		For Elevated Installation >40' Above Floor, Add	*5.19*	
		For Work In Restricted Working Space, Add	*2.83*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	182.81	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	274.58	7.60
		For Elevated Installation >10' To 15' Above Floor, Add	*1.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.04*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.32*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.60*	
		For Elevated Installation >40' Above Floor, Add	*8.36*	
		For Work In Restricted Working Space, Add	*4.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	366.55	10.48
		For Elevated Installation >10' To 15' Above Floor, Add	*2.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.49*	
		For Elevated Installation >40' Above Floor, Add	*11.53*	
		For Work In Restricted Working Space, Add	*6.29*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	454.91	14.41
		For Elevated Installation >10' To 15' Above Floor, Add	*2.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.09*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.42*	
		For Elevated Installation >40' Above Floor, Add	*15.86*	
		For Work In Restricted Working Space, Add	*8.65*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	23.20	3.14
		For Elevated Installation >10' To 15' Above Floor, Add	*0.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.15*	
		For Elevated Installation >40' Above Floor, Add	*3.46*	
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	25.10	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.15	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.48*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.90	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.21	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	25.90	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.41	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.48	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.48*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.37	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.88	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.59	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	26.06	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.57	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.77	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.69	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.20	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.42	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.25	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.77	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.13	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.03	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.68	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.01	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.98	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.56	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.42	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.07	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.45	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.37	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.16	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.60	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.26	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	88.49	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	107.41	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	121.37	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.72	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.39	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.80	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.00	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.80	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.01	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.37	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	95.86	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	108.98	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	125.57	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	188.85	24.90
		For Elevated Installation >10' To 15' Above Floor, Add	*4.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.90*	
		For Elevated Installation >40' Above Floor, Add	*27.38*	
		For Work In Restricted Working Space, Add	*14.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.94*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.29	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.97	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.42	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.15	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.19	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.42	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	86.61	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.66	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	117.81	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	140.45	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	211.10	24.90
		For Elevated Installation >10' To 15' Above Floor, Add	*4.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.90*	
		For Elevated Installation >40' Above Floor, Add	*27.38*	
		For Work In Restricted Working Space, Add	*14.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.94*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.19	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.85	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.81	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.45	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.01	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.30	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	97.98	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	119.06	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	139.90	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	162.80	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	226.36	24.90
		For Elevated Installation >10' To 15' Above Floor, Add	*4.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.90*	
		For Elevated Installation >40' Above Floor, Add	*27.38*	
		For Work In Restricted Working Space, Add	*14.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.94*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.14	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.77	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.17	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.61	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.71	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.42	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.00	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	136.23	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.10	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	201.90	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	256.79	24.90
		For Elevated Installation >10' To 15' Above Floor, Add	*4.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.90*	
		For Elevated Installation >40' Above Floor, Add	*27.38*	
		For Work In Restricted Working Space, Add	*14.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.94*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.11	3.41
		For Elevated Installation >10' To 15' Above Floor, Add	*0.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.41*	
		For Elevated Installation >40' Above Floor, Add	*3.75*	
		For Work In Restricted Working Space, Add	*2.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.86	3.93
		For Elevated Installation >10' To 15' Above Floor, Add	*0.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.93*	
		For Elevated Installation >40' Above Floor, Add	*4.32*	
		For Work In Restricted Working Space, Add	*2.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.36*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.64	4.98
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.98*	
		For Elevated Installation >40' Above Floor, Add	*5.47*	
		For Work In Restricted Working Space, Add	*2.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.99*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.45	5.77
		For Elevated Installation >10' To 15' Above Floor, Add	*1.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.77*	
		For Elevated Installation >40' Above Floor, Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.82	6.55
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.56*	
		For Elevated Installation >40' Above Floor, Add	*7.21*	
		For Work In Restricted Working Space, Add	*3.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.93*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.56	7.34
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.34*	
		For Elevated Installation >40' Above Floor, Add	*8.07*	
		For Work In Restricted Working Space, Add	*4.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.40*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	126.03	8.91
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.91*	
		For Elevated Installation >40' Above Floor, Add	*9.80*	
		For Work In Restricted Working Space, Add	*5.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.35*	
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.97	12.32
		For Elevated Installation >10' To 15' Above Floor, Add	*2.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.32*	
		For Elevated Installation >40' Above Floor, Add	*13.55*	
		For Work In Restricted Working Space, Add	*7.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	177.33	13.90
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.89*	
		For Elevated Installation >40' Above Floor, Add	*15.28*	
		For Work In Restricted Working Space, Add	*8.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.33*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	213.89	18.08
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.85*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	261.13	24.90
		For Elevated Installation >10' To 15' Above Floor, Add	*4.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.90*	
		For Elevated Installation >40' Above Floor, Add	*27.38*	
		For Work In Restricted Working Space, Add	*14.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.94*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	3.03	0.81
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.61*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	3.55	0.89
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	4.33	0.97
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.73*	
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	5.13	1.05
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.39*	
		For Work In Restricted Working Space, Add	*0.79*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	5.93	1.13
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.42*	
		For Work In Restricted Working Space, Add	*0.85*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.38	1.29
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.97*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.60	1.62
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.60*	
		For Work In Restricted Working Space, Add	*1.21*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.48	1.94
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.73*	
		For Work In Restricted Working Space, Add	*1.45*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	16.41	2.42
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.91*	
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	19.94	3.06
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.15*	
		For Work In Restricted Working Space, Add	*2.30*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	27.25	3.87
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.90*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.22	4.84
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.82*	
		For Work In Restricted Working Space, Add	*3.63*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	21.18	4.19
		For Work In Restricted Working Space, Add	*3.14*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	28.89	4.76
		For Work In Restricted Working Space, Add	*3.57*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	36.33	5.49
		For Work In Restricted Working Space, Add	*4.11*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	49.03	6.29
		For Work In Restricted Working Space, Add	*4.72*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	75.28	7.66
		For Work In Restricted Working Space, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	111.50	9.92
		For Work In Restricted Working Space, Add	*7.44*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	163.05	11.13
		For Work In Restricted Working Space, Add	*8.35*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	195.21	13.96
		For Work In Restricted Working Space, Add	*10.46*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	530.95	22.74
		For Work In Restricted Working Space, Add	*17.06*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	741.43	34.19
		For Work In Restricted Working Space, Add	*25.64*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	4.84	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	8.52	2.09
		For Work In Restricted Working Space, Add	*1.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	6.98	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	7.85	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	9.62	3.55
		For Work In Restricted Working Space, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	11.92	4.27
		For Work In Restricted Working Space, Add	*3.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.20*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	15.24	5.08
		For Work In Restricted Working Space, Add	*3.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.81*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	18.27	5.81
		For Work In Restricted Working Space, Add	*4.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.35*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	19.72	6.29
		For Work In Restricted Working Space, Add	*4.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.72*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	21.74	6.77
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	28.59	9.03
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	42.12	13.55
		For Work In Restricted Working Space, Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.16*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	2.67	0.67
		For Schedule 60, Add	*0.33*	
		For Schedule 80, Add	*0.51*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	3.17	0.74
		For Schedule 60, Add	*0.42*	
		For Schedule 80, Add	*0.65*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	4.13	0.87
		For Schedule 60, Add	*0.60*	
		For Schedule 80, Add	*0.91*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.10	0.99
		For Schedule 60, Add	*0.78*	
		For Schedule 80, Add	*1.17*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.03	1.16
		For Schedule 60, Add	*0.93*	
		For Schedule 80, Add	*1.39*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.44	1.32
		For Schedule 60, Add	*1.20*	
		For Schedule 80, Add	*1.78*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	10.54	1.56
		For Schedule 60, Add	*1.85*	
		For Schedule 80, Add	*2.71*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	12.42	1.81
		For Schedule 60, Add	*2.20*	
		For Schedule 80, Add	*3.21*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	15.44	2.14
		For Schedule 60, Add	*2.79*	
		For Schedule 80, Add	*4.07*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.67	2.64
		For Schedule 60, Add	*3.10*	
		For Schedule 80, Add	*4.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.42	3.70
		For Schedule 60, Add	*4.50*	
		For Schedule 80, Add	*6.58*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	33.69	4.94
		For Schedule 60, Add	*5.95*	
		For Schedule 80, Add	*8.70*	
26 05 33 13-1502		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows** *(26 05 33 13-1488)*		
		See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	9.60	3.29
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*0.75*	
		For Schedule 80, Add	*1.30*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	10.72	3.62
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*0.87*	
		For Schedule 80, Add	*1.49*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	12.88	4.12
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.16*	
		For Schedule 80, Add	*1.93*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	16.90	5.27
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.59*	
		For Schedule 80, Add	*2.62*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	21.52	6.59
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.41*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	27.60	8.23
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.78*	
		For Schedule 80, Add	*4.52*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	37.03	9.88
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*4.32*	
		For Schedule 80, Add	*6.78*	
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	48.89	11.53
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*6.46*	
		For Schedule 80, Add	*9.90*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	62.85	14.00
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*8.71*	
		For Schedule 80, Add	*13.25*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	77.01	16.47
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*11.02*	
		For Schedule 80, Add	*16.66*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	114.80	20.58
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*18.40*	
		For Schedule 80, Add	*27.31*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	142.46	24.71
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*23.26*	
		For Schedule 80, Add	*34.42*	
26 05 33 13-1515		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows** *(26 05 33 13-1488)*		
		See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	9.60	3.29
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*0.75*	
		For Schedule 80, Add	*1.30*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	10.62	3.62
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*0.84*	
		For Schedule 80, Add	*1.45*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	12.75	4.12
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.13*	
		For Schedule 80, Add	*1.89*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	16.51	5.27
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.49*	
		For Schedule 80, Add	*2.48*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	20.64	6.59
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*1.87*	
		For Schedule 80, Add	*3.11*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	27.13	8.23
		See CSI section 26 05 33 13-2329 for conduit field bending.		
		For Schedule 60, Add	*2.67*	
		For Schedule 80, Add	*4.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	36.15	9.88
		For Schedule 60, Add	*4.10*	
		For Schedule 80, Add	*6.48*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	47.77	11.53
		For Schedule 60, Add	*6.18*	
		For Schedule 80, Add	*9.51*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	59.71	14.00
		For Schedule 60, Add	*7.93*	
		For Schedule 80, Add	*12.15*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	74.31	16.47
		For Schedule 60, Add	*10.34*	
		For Schedule 80, Add	*15.71*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	111.30	20.58
		For Schedule 60, Add	*17.53*	
		For Schedule 80, Add	*26.09*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	132.04	24.71
		For Schedule 60, Add	*20.66*	
		For Schedule 80, Add	*30.77*	
26 05 33 13-1528		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	72.83	9.96
		For Schedule 80, Add	*20.51*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	86.36	11.53
		For Schedule 80, Add	*24.46*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	97.41	13.11
		For Schedule 80, Add	*27.54*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	124.25	14.41
		For Schedule 80, Add	*36.28*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	169.73	18.08
		For Schedule 80, Add	*50.36*	
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	214.31	24.64
		For Schedule 80, Add	*62.69*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	271.89	27.78
		For Schedule 80, Add	*81.27*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	304.34	36.17
		For Schedule 80, Add	*88.43*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	82.55	9.96
		For Schedule 80, Add	*23.91*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	109.74	11.53
		For Schedule 80, Add	*32.64*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	130.88	13.11
		For Schedule 80, Add	*39.26*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	140.82	14.41
		For Schedule 80, Add	*42.08*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	220.80	18.08
		For Schedule 80, Add	*68.24*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	288.57	24.64
		For Schedule 80, Add	*88.68*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	317.61	27.78
		For Schedule 80, Add	*97.27*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	359.69	36.17
		For Schedule 80, Add	*107.81*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	108.75	9.96
		For Schedule 80, Add	*33.08*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	120.72	11.53
		For Schedule 80, Add	*36.49*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	137.33	13.11
		For Schedule 80, Add	*41.52*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	172.06	14.41
		For Schedule 80, Add	*53.01*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	239.82	18.08
		For Schedule 80, Add	*74.89*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	304.53	24.64
		For Schedule 80, Add	*94.27*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	378.47	27.78
		For Schedule 80, Add	*118.57*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	414.35	36.17
		For Schedule 80, Add	*126.94*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	114.10	9.96
		For Schedule 80, Add	*34.96*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	153.20	11.53
		For Schedule 80, Add	*47.86*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	163.09	13.11
		For Schedule 80, Add	*50.53*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	173.22	14.41
		For Schedule 80, Add	*53.42*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	281.72	18.08
		For Schedule 80, Add	*89.56*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	398.43	24.64
		For Schedule 80, Add	*127.13*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	463.97	27.78
		For Schedule 80, Add	*148.50*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	515.61	36.17
		For Schedule 80, Add	*162.38*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	817.15	58.87
		For Schedule 80, Add	*256.52*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,180.11	88.71
		For Schedule 80, Add	*368.75*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	134.65	9.96
		For Schedule 80, Add	*42.15*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	158.70	11.53
		For Schedule 80, Add	*49.78*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	179.64	13.11
		For Schedule 80, Add	*56.32*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	230.32	14.41
		For Schedule 80, Add	*73.40*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	322.61	18.08
		For Schedule 80, Add	*103.87*	
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	465.59	24.64
		For Schedule 80, Add	*150.64*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	528.18	27.78
		For Schedule 80, Add	*170.97*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	627.06	36.17
		For Schedule 80, Add	*201.39*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	882.35	58.87
		For Schedule 80, Add	*279.34*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,232.90	88.71
		For Schedule 80, Add	*387.22*	
26 05 33 13-1577		**Polyvinyl Chloride (PVC) Conduit Female Adapters** *(26 05 33 13-1488)*		
26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	6.40	2.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	7.45	2.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	8.60	2.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.22*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	9.86	3.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	12.09	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	14.91	4.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.14	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	26.92	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	34.80	10.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.03*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	41.37	13.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	58.24	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	72.08	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-1590		**Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug** *(26 05 33 13-1488)*		
26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	10.05	1.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.25	2.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	12.48	2.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	15.49	2.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.22*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.32	3.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.46	3.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	23.86	4.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.21*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	26.66	4.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	31.91	5.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	34.39	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	47.14	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	53.47	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	6.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.90*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	8.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.28*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	9.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.53*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	10.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.82*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	11.87	4.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	14.61	4.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	20.54	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.09	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	33.73	10.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.03*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	40.28	13.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	56.08	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	69.49	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	22.31	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	26.79	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	29.74	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	37.78	9.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	46.20	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	64.22	14.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.12*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	142.67	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	150.34	18.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.59*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	160.07	20.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	175.43	23.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.91*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	27.93	8.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	31.93	8.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	34.18	9.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	46.24	11.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	55.56	13.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.28*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	71.48	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	70.32	8.23
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	75.71	9.88
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	81.85	11.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	87.25	13.18
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	92.34	14.83
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	99.86	16.47
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	126.67	18.94
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	156.43	21.41
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	184.41	24.71
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	221.48	28.83
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	306.12	34.59
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	406.22	44.47

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	6.74	1.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.24*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	7.86	1.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.48*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	8.93	2.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	11.14	2.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.39	2.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.22*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	16.61	3.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	27.15	3.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.84*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	29.25	4.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.21*	
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	40.00	4.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	50.93	5.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	60.02	5.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	78.59	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	76.91	14.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.12*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	105.18	9.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	287.85	16.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.35*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	596.45	23.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.91*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.19	0.67
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.92	0.74
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.52	0.86
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.13	0.99
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.00	1.16
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.57	1.32
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.44	1.56
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.56	1.81
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.50	2.14
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.87	2.64
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.35	3.70
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	29.98	4.94

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	91.51	3.29
		For 24" Radius, Add	*6.66*	
		For 36" Radius, Add	*9.15*	
		For 48" Radius, Add	*11.64*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	102.29	3.62
		For 24" Radius, Add	*7.45*	
		For 36" Radius, Add	*10.23*	
		For 48" Radius, Add	*13.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	104.48	4.12
		For 24" Radius, Add	*7.58*	
		For 36" Radius, Add	*10.45*	
		For 48" Radius, Add	*13.32*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	108.28	5.27
		For 24" Radius, Add	*7.79*	
		For 36" Radius, Add	*10.83*	
		For 48" Radius, Add	*13.86*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	112.51	6.59
		For 24" Radius, Add	*8.03*	
		For 36" Radius, Add	*11.25*	
		For 48" Radius, Add	*14.48*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.87	8.23
		For 24" Radius, Add	*9.23*	
		For 36" Radius, Add	*12.99*	
		For 48" Radius, Add	*16.75*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	155.52	9.88
		For 24" Radius, Add	*11.05*	
		For 36" Radius, Add	*15.55*	
		For 48" Radius, Add	*20.06*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	185.80	11.53
		For 24" Radius, Add	*13.21*	
		For 36" Radius, Add	*18.58*	
		For 48" Radius, Add	*23.95*	
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	211.59	14.00
		For 24" Radius, Add	*14.99*	
		For 36" Radius, Add	*21.16*	
		For 48" Radius, Add	*27.32*	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	237.39	16.47
		For 24" Radius, Add	*16.77*	
		For 36" Radius, Add	*23.74*	
		For 48" Radius, Add	*30.70*	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	296.75	20.58
		For 24" Radius, Add	*20.97*	
		For 36" Radius, Add	*29.68*	
		For 48" Radius, Add	*38.38*	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	368.34	24.71
		For 24" Radius, Add	*26.08*	
		For 36" Radius, Add	*36.83*	
		For 48" Radius, Add	*47.59*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	76.52	3.29
		For 24" Radius, Add	*5.53*	
		For 36" Radius, Add	*7.65*	
		For 48" Radius, Add	*9.77*	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	85.51	3.62
		For 24" Radius, Add	*6.19*	
		For 36" Radius, Add	*8.55*	
		For 48" Radius, Add	*10.92*	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	87.53	4.12
		For 24" Radius, Add	*6.31*	
		For 36" Radius, Add	*8.75*	
		For 48" Radius, Add	*11.20*	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	91.16	5.27
		For 24" Radius, Add	*6.51*	
		For 36" Radius, Add	*9.12*	
		For 48" Radius, Add	*11.72*	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	95.23	6.59
		For 24" Radius, Add	*6.73*	
		For 36" Radius, Add	*9.52*	
		For 48" Radius, Add	*12.32*	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	110.20	8.23
		For 24" Radius, Add	*7.75*	
		For 36" Radius, Add	*11.02*	
		For 48" Radius, Add	*14.29*	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	131.97	9.88
		For 24" Radius, Add	*9.28*	
		For 36" Radius, Add	*13.20*	
		For 48" Radius, Add	*17.11*	
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	157.55	11.53
		For 24" Radius, Add	*11.10*	
		For 36" Radius, Add	*15.76*	
		For 48" Radius, Add	*20.41*	
26 05 33 13-1701	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	179.81	14.00
		For 24" Radius, Add	*12.61*	
		For 36" Radius, Add	*17.98*	
		For 48" Radius, Add	*23.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1702	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	202.08	16.47
		For 24" Radius, Add	*14.13*	
		For 36" Radius, Add	*20.21*	
		For 48" Radius, Add	*26.29*	
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	252.60	20.58
		For 24" Radius, Add	*17.66*	
		For 36" Radius, Add	*25.26*	
		For 48" Radius, Add	*32.86*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	313.16	24.71
		For 24" Radius, Add	*21.94*	
		For 36" Radius, Add	*31.32*	
		For 48" Radius, Add	*40.69*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	71.53	2.97
		For 24" Radius, Add	*5.18*	
		For 36" Radius, Add	*7.15*	
		For 48" Radius, Add	*9.13*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	79.94	3.26
		For 24" Radius, Add	*5.79*	
		For 36" Radius, Add	*7.99*	
		For 48" Radius, Add	*10.20*	
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	81.78	3.70
		For 24" Radius, Add	*5.90*	
		For 36" Radius, Add	*8.18*	
		For 48" Radius, Add	*10.45*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	85.09	4.74
		For 24" Radius, Add	*6.09*	
		For 36" Radius, Add	*8.51*	
		For 48" Radius, Add	*10.93*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	88.78	5.93
		For 24" Radius, Add	*6.29*	
		For 36" Radius, Add	*8.88*	
		For 48" Radius, Add	*11.47*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	102.68	7.41
		For 24" Radius, Add	*7.24*	
		For 36" Radius, Add	*10.27*	
		For 48" Radius, Add	*13.30*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	122.96	8.90
		For 24" Radius, Add	*8.67*	
		For 36" Radius, Add	*12.30*	
		For 48" Radius, Add	*15.93*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	146.81	10.38
		For 24" Radius, Add	*10.36*	
		For 36" Radius, Add	*14.68*	
		For 48" Radius, Add	*19.00*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	167.49	12.60
		For 24" Radius, Add	*11.77*	
		For 36" Radius, Add	*16.75*	
		For 48" Radius, Add	*21.72*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	188.14	14.83
		For 24" Radius, Add	*13.18*	
		For 36" Radius, Add	*18.81*	
		For 48" Radius, Add	*24.44*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	235.18	18.53
		For 24" Radius, Add	*16.48*	
		For 36" Radius, Add	*23.52*	
		For 48" Radius, Add	*30.56*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	291.66	22.24
		For 24" Radius, Add	*20.48*	
		For 36" Radius, Add	*29.17*	
		For 48" Radius, Add	*37.85*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	67.37	2.97
		For 24" Radius, Add	*4.87*	
		For 36" Radius, Add	*6.74*	
		For 48" Radius, Add	*8.61*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	75.28	3.26
		For 24" Radius, Add	*5.44*	
		For 36" Radius, Add	*7.53*	
		For 48" Radius, Add	*9.61*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	77.07	3.70
		For 24" Radius, Add	*5.55*	
		For 36" Radius, Add	*7.71*	
		For 48" Radius, Add	*9.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	80.33	4.74
		For 24" Radius, Add	*5.73*	
		For 36" Radius, Add	*8.03*	
		For 48" Radius, Add	*10.34*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	83.98	5.93
		For 24" Radius, Add	*5.93*	
		For 36" Radius, Add	*8.40*	
		For 48" Radius, Add	*10.87*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	97.22	7.41
		For 24" Radius, Add	*6.83*	
		For 36" Radius, Add	*9.72*	
		For 48" Radius, Add	*12.62*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	116.42	8.90
		For 24" Radius, Add	*8.18*	
		For 36" Radius, Add	*11.64*	
		For 48" Radius, Add	*15.11*	
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	138.96	10.38
		For 24" Radius, Add	*9.77*	
		For 36" Radius, Add	*13.90*	
		For 48" Radius, Add	*18.02*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	158.66	12.60
		For 24" Radius, Add	*11.11*	
		For 36" Radius, Add	*15.87*	
		For 48" Radius, Add	*20.62*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	178.33	14.83
		For 24" Radius, Add	*12.45*	
		For 36" Radius, Add	*17.83*	
		For 48" Radius, Add	*23.22*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	222.91	18.53
		For 24" Radius, Add	*15.56*	
		For 36" Radius, Add	*22.29*	
		For 48" Radius, Add	*29.02*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	276.33	22.24
		For 24" Radius, Add	*19.34*	
		For 36" Radius, Add	*27.63*	
		For 48" Radius, Add	*35.93*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	40.25	2.31
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.01	2.64
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	46.23	2.97
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	47.37	3.29
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	50.23	4.12
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	59.90	4.94
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	73.70	6.59
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	89.25	8.23
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	104.02	10.71
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	118.80	13.18
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	148.48	16.47
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	185.56	20.58

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	25.22	2.31
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	28.21	2.64
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.26	2.97
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	30.31	3.29
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.60	4.12
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	34.78	4.94
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	43.39	6.59
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.89	8.23
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	63.11	10.71
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	73.34	13.18
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	91.71	16.47
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	114.59	20.58

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	29.95	1.89
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	33.47	2.64
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	34.59	2.97
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	35.57	3.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.26	4.12
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	45.64	4.94
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	56.40	6.59
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	68.49	8.23
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	80.65	10.71
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	92.83	13.18
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	116.00	16.47
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	145.04	20.58

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	47.23	8.23
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	54.27	9.88
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	58.72	11.53
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	63.04	13.18
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	67.83	14.83
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	77.81	16.47
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.31	18.94
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	106.28	21.41
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.10	24.71
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.99	28.83
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	164.77	32.95
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	195.66	37.06

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	58.05	8.23
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	66.41	9.88
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	70.92	11.53
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	75.36	13.18
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	80.26	14.83
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	92.00	16.47
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	108.35	18.94
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	126.72	21.41
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	144.10	24.71
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	163.56	28.83
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	196.82	32.95
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	235.72	37.06

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	94.88	2.31
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	105.58	2.64
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	109.44	2.97
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	113.43	3.29
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	117.14	4.12
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	129.36	4.94
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	156.89	6.59
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	189.00	8.23
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	216.24	10.71
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	243.49	13.18
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	304.43	16.47
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	378.50	20.58

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	76.88	8.23
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	87.27	9.88
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	106.11	11.53
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	137.15	13.18
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	179.90	14.83
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	252.87	16.47
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	380.47	18.94
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	466.58	21.41
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	569.75	24.71
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	674.99	28.83
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	798.54	32.95
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,308.49	37.06

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	66.30	6.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	77.96	7.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	111.19	8.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	136.63	9.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	174.78	12.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.26*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	250.25	14.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.12*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	442.96	17.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.97*	
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	582.38	19.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	703.88	23.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.30*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	825.37	26.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	980.17	29.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.24*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,114.99	32.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	29.61	3.38
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	38.47	3.74
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	65.33	4.98
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	91.37	5.52
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	115.80	6.76
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	146.97	7.82
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	226.80	11.13
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	292.36	13.25
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	520.02	15.89
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	535.74	20.31

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	110.77	10.67
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	124.55	12.09
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	149.63	13.34
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	119.02	13.34
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	141.28	16.00
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	170.06	18.32

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	91.31	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	89.29	9.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.47*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	97.58	10.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.14*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	128.19	13.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.00*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	170.00	15.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.74*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	229.19	17.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.34*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	319.93	26.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	405.68	33.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.91*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	620.92	36.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.42*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	835.73	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.81*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	335.72	4.09
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	442.62	4.62

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1868			Conduit Installed Below Grade *(26 05 33 13-0058)* Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1869			Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*		
26 05 33 13-1870			Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)* Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		
26 05 33 13-1871		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	2.32	
			For Schedule 60, Add	*0.31*	
			For Schedule 80, Add	*0.48*	
26 05 33 13-1872		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	2.76	
			For Schedule 60, Add	*0.40*	
			For Schedule 80, Add	*0.61*	
26 05 33 13-1873		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	3.51	
			For Schedule 60, Add	*0.57*	
			For Schedule 80, Add	*0.84*	
26 05 33 13-1874		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.28	
			For Schedule 60, Add	*0.74*	
			For Schedule 80, Add	*1.09*	
26 05 33 13-1875		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.90	
			For Schedule 60, Add	*0.88*	
			For Schedule 80, Add	*1.28*	
26 05 33 13-1876		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.00	
			For Schedule 60, Add	*1.13*	
			For Schedule 80, Add	*1.64*	
26 05 33 13-1877		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.57	
			For Schedule 60, Add	*1.75*	
			For Schedule 80, Add	*2.51*	
26 05 33 13-1878		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.95	
			For Schedule 60, Add	*2.08*	
			For Schedule 80, Add	*2.97*	
26 05 33 13-1879		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.25	
			For Schedule 60, Add	*2.63*	
			For Schedule 80, Add	*3.75*	
26 05 33 13-1880		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.34	
			For Schedule 60, Add	*2.88*	
			For Schedule 80, Add	*4.10*	
26 05 33 13-1881		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	18.53	
			For Schedule 60, Add	*4.16*	
			For Schedule 80, Add	*5.89*	
26 05 33 13-1882		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	23.81	
			For Schedule 60, Add	*5.46*	
			For Schedule 80, Add	*7.72*	
26 05 33 13-1883			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)* See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1884		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	11.67	
			For Schedule 60, Add	*0.86*	
			For Schedule 80, Add	*1.51*	
26 05 33 13-1885		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	14.01	
			For Schedule 60, Add	*1.03*	
			For Schedule 80, Add	*1.82*	
26 05 33 13-1886		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	16.99	
			For Schedule 60, Add	*1.37*	
			For Schedule 80, Add	*2.34*	
26 05 33 13-1887		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	20.19	
			For Schedule 60, Add	*1.75*	
			For Schedule 80, Add	*2.95*	
26 05 33 13-1888		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	23.58	
			For Schedule 60, Add	*2.19*	
			For Schedule 80, Add	*3.62*	
26 05 33 13-1889		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	27.60	
			For Schedule 60, Add	*2.78*	
			For Schedule 80, Add	*4.52*	
26 05 33 13-1890		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.97	
			For Schedule 60, Add	*4.21*	
			For Schedule 80, Add	*6.58*	
26 05 33 13-1891		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	44.77	
			For Schedule 60, Add	*6.25*	
			For Schedule 80, Add	*9.49*	
26 05 33 13-1892		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	56.68	
			For Schedule 60, Add	*8.40*	
			For Schedule 80, Add	*12.63*	
26 05 33 13-1893		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	68.78	
			For Schedule 60, Add	*10.61*	
			For Schedule 80, Add	*15.84*	
26 05 33 13-1894		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	100.38	
			For Schedule 60, Add	*17.68*	
			For Schedule 80, Add	*25.87*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1895		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	121.88	
			For Schedule 60, Add	*22.23*	
			For Schedule 80, Add	*32.36*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1897		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	11.67	
			For Schedule 60, Add	*0.86*	
			For Schedule 80, Add	*1.51*	
26 05 33 13-1898		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	13.91	
			For Schedule 60, Add	*1.01*	
			For Schedule 80, Add	*1.78*	
26 05 33 13-1899		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	16.86	
			For Schedule 60, Add	*1.33*	
			For Schedule 80, Add	*2.30*	
26 05 33 13-1900		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	19.80	
			For Schedule 60, Add	*1.66*	
			For Schedule 80, Add	*2.81*	
26 05 33 13-1901		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	22.70	
			For Schedule 60, Add	*1.97*	
			For Schedule 80, Add	*3.31*	
26 05 33 13-1902		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	27.13	
			For Schedule 60, Add	*2.67*	
			For Schedule 80, Add	*4.35*	
26 05 33 13-1903		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.09	
			For Schedule 60, Add	*3.99*	
			For Schedule 80, Add	*6.27*	
26 05 33 13-1904		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	43.65	
			For Schedule 60, Add	*5.97*	
			For Schedule 80, Add	*9.10*	
26 05 33 13-1905		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	53.54	
			For Schedule 60, Add	*7.62*	
			For Schedule 80, Add	*11.53*	
26 05 33 13-1906		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	66.08	
			For Schedule 60, Add	*9.93*	
			For Schedule 80, Add	*14.89*	
26 05 33 13-1907		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	96.88	
			For Schedule 60, Add	*16.81*	
			For Schedule 80, Add	*24.64*	
26 05 33 13-1908		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	111.46	
			For Schedule 60, Add	*19.63*	
			For Schedule 80, Add	*28.72*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910		EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	6.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-1911		EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	7.45	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.98*	
26 05 33 13-1912		EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	8.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.22*	
26 05 33 13-1913		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	9.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-1914		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	10.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.72*	
26 05 33 13-1915		EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	12.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.96*	
26 05 33 13-1916		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.34*	
26 05 33 13-1917		EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-1918		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.45	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.32*	
26 05 33 13-1919		EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1920		EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	35.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-1921		EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	41.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923		EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	10.05	
26 05 33 13-1924		EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	11.25	
26 05 33 13-1925		EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	12.48	
26 05 33 13-1926		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	16.31	
26 05 33 13-1927		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.15	
26 05 33 13-1928		EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.46	
26 05 33 13-1929		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.86	
26 05 33 13-1930		EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	26.66	
26 05 33 13-1931		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.91	
26 05 33 13-1932		EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.39	
26 05 33 13-1933		EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	47.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	53.47	

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	6.30	
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	7.45	
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	8.46	
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	9.62	
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	10.63	
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	12.14	
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	15.19	
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	17.86	
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	21.38	
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	23.80	
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	33.43	
26 05 33 13-1947	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	38.59	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	7.62	0.85
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.71*	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	8.68	1.05
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000, Deduct	*-0.81*	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	10.93	1.17
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000, Deduct	*-1.02*	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.50	1.58
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.27*	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.13	1.78
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000, Deduct	*-1.52*	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.73	1.94
		For >250 To 500, Deduct	*-0.93*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000, Deduct	*-1.96*	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.74	2.90
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.92*	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	39.21	3.63
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-3.72*	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	48.18	3.83
		For >250 To 500, Deduct	*-2.16*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-4.57*	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	57.02	4.23
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000, Deduct	*-5.40*	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	94.93	5.85
		For >250 To 500, Deduct	*-4.36*	
		For >500 To 1,000, Deduct	*-6.74*	
		For >1,000, Deduct	*-9.11*	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	128.44	7.66
		For >250 To 500, Deduct	*-5.94*	
		For >500 To 1,000, Deduct	*-9.15*	
		For >1,000, Deduct	*-12.36*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	8.13	1.21
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	9.20	1.62
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	11.79	2.02
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.50	2.21
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	16.01	2.62
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	21.81	3.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	46.27	3.63
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	57.46	5.04
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	72.46	5.85
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	87.19	8.06
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	253.72	11.09
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	271.14	6.25
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30-degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	30.09	5.04
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	33.27	6.25
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	39.14	7.66
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	47.03	8.87
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	56.14	10.08
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	72.38	11.09
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	122.42	13.92
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	189.08	18.95
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	241.10	21.37
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	265.32	27.82
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	596.02	45.36
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	948.50	68.14
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	86.31	7.66
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	96.27	8.87
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	110.05	10.08
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	134.59	11.09
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	192.83	13.92
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	99.06	7.66
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	117.34	8.87
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	125.16	10.08
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	167.54	11.09
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	224.61	13.92
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	283.31	18.95
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	114.31	7.66
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	128.32	8.87
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	144.55	10.08
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	178.47	11.09
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	261.12	13.92
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	326.18	18.95
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	420.62	21.37

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26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	460.90	27.82
26 05 33 13-2010		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	140.66	7.66
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	154.09	8.87
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	173.80	10.08
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	220.60	11.09
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	326.46	13.92
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	398.81	18.95
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	464.96	21.37
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	542.31	27.82
26 05 33 13-2019		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	161.15	7.66
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	178.07	8.87
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	202.60	10.08
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	257.27	11.09
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	362.12	13.92
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	456.90	18.95
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	572.78	21.37
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	617.04	27.82
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,032.29	45.36
26 05 33 13-2029		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	187.96	7.66
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	207.05	8.87
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	234.16	10.08
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	297.94	11.09
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	421.53	13.92
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	530.91	18.95
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	626.81	21.37
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	713.52	27.82
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,099.90	45.36
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,482.75	68.14
26 05 33 13-2040		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	225.28	7.66
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	232.88	8.87
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	276.40	10.08
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	354.56	11.09
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	501.64	13.92
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	630.69	18.95

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26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	777.01	21.37
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	901.20	27.82
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,320.44	45.36
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,583.99	68.14
26 05 33 13-2051		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	234.27	7.66
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	276.58	8.87
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	312.93	10.08
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	371.59	11.09
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	521.65	13.92
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	661.38	18.95
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	858.81	21.37
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	943.76	27.82
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,379.69	45.36
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,635.42	68.14
26 05 33 13-2062		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	69.72	5.04
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	73.23	6.25
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	96.73	7.66
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	148.77	8.87
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	178.19	10.08
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	232.77	11.09
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	312.95	13.92
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	420.90	13.92
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	530.34	21.37
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	681.72	27.82
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,260.94	45.36
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,530.01	68.14
26 05 33 13-2075		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	71.73	5.04
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	80.90	6.25
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	100.82	7.66
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	156.28	8.87
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	188.62	10.08
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	255.28	11.09
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	361.10	13.92
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	469.87	13.92
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	618.86	21.37
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	769.92	27.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,422.62	45.36
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,791.08	68.14

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	21.75	2.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	23.28	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.85	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.24	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.18	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.33	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.59	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.18	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.71	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.85	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.21	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	24.49	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.75	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.48	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.03	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.17	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.04	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.68	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.95	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.84	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.37	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.65	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.63	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.86	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.87	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.85	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	

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26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.25	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.16	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.71	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.13	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.22	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.14	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.80	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.00	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.02	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.15	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.57	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.51	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.34	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.77	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.63	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.25	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.17	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.57	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	117.22	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.36	19.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.72	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.15	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.13	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.49	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.16	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.04	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.49	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.97	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.40	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	

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26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.10	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.61	19.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.03	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.52	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.79	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.98	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.92	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.86	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.37	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	133.49	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	154.45	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	214.87	19.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.95	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.88	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.95	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.68	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.04	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.88	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	130.54	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	156.69	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	193.55	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	245.30	19.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.54	2.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.57*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.04	3.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.35	3.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.79	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.79	5.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

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26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.18	5.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.91	6.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	156.28	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.69*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	170.92	10.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.41*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	205.54	13.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.35*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	249.64	19.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.49*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.84	0.53
		For Work In Restricted Working Space, Add	*0.40*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.51	0.57
		For Work In Restricted Working Space, Add	*0.43*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.90	0.61
		For Work In Restricted Working Space, Add	*0.46*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.31	0.65
		For Work In Restricted Working Space, Add	*0.50*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.87	0.70
		For Work In Restricted Working Space, Add	*0.53*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.13	0.74
		For Work In Restricted Working Space, Add	*0.56*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.47	0.79
		For Work In Restricted Working Space, Add	*0.59*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.09	0.83
		For Work In Restricted Working Space, Add	*0.62*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.31	0.87
		For Work In Restricted Working Space, Add	*0.65*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.54	0.91
		For Work In Restricted Working Space, Add	*0.68*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.46	0.95
		For Work In Restricted Working Space, Add	*0.71*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	20.10	0.99
		For Work In Restricted Working Space, Add	*0.74*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	93.58	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For 24" Radius, Add	*6.76*	
		For 36" Radius, Add	*9.36*	
		For 48" Radius, Add	*11.96*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	105.58	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For 24" Radius, Add	*7.61*	
		For 36" Radius, Add	*10.56*	
		For 48" Radius, Add	*13.51*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	108.59	5.77
		For Work In Restricted Working Space, Add	*4.32*	
		For 24" Radius, Add	*7.78*	
		For 36" Radius, Add	*10.86*	
		For 48" Radius, Add	*13.93*	
26 05 33 13-2197	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	111.57	6.59
		For Work In Restricted Working Space, Add	*4.94*	
		For 24" Radius, Add	*7.96*	
		For 36" Radius, Add	*11.16*	
		For 48" Radius, Add	*14.36*	
26 05 33 13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	114.57	7.41
		For Work In Restricted Working Space, Add	*5.56*	
		For 24" Radius, Add	*8.13*	
		For 36" Radius, Add	*11.46*	
		For 48" Radius, Add	*14.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	129.87	8.23
		For Work In Restricted Working Space, Add	*6.17*	
		For 24" Radius, Add	*9.23*	
		For 36" Radius, Add	*12.99*	
		For 48" Radius, Add	*16.75*	
26 05 33 13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	153.46	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For 24" Radius, Add	*10.94*	
		For 36" Radius, Add	*15.35*	
		For 48" Radius, Add	*19.75*	
26 05 33 13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	181.68	9.88
		For Work In Restricted Working Space, Add	*7.41*	
		For 24" Radius, Add	*13.01*	
		For 36" Radius, Add	*18.17*	
		For 48" Radius, Add	*23.33*	
26 05 33 13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	205.42	11.53
		For Work In Restricted Working Space, Add	*8.65*	
		For 24" Radius, Add	*14.69*	
		For 36" Radius, Add	*20.54*	
		For 48" Radius, Add	*26.40*	
26 05 33 13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	229.16	14.83
		For Work In Restricted Working Space, Add	*9.89*	
		For 24" Radius, Add	*16.36*	
		For 36" Radius, Add	*22.92*	
		For 48" Radius, Add	*29.47*	
26 05 33 13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	282.33	14.83
		For Work In Restricted Working Space, Add	*11.12*	
		For 24" Radius, Add	*20.25*	
		For 36" Radius, Add	*28.23*	
		For 48" Radius, Add	*36.22*	
26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	347.76	16.47
		For Work In Restricted Working Space, Add	*12.35*	
		For 24" Radius, Add	*25.05*	
		For 36" Radius, Add	*34.78*	
		For 48" Radius, Add	*44.50*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	40.25	2.31
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	45.01	2.64
		For Work In Restricted Working Space, Add	*1.98*	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	46.23	2.97
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	47.37	3.29
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	48.99	3.62
		For Work In Restricted Working Space, Add	*2.72*	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	57.43	3.96
		For Work In Restricted Working Space, Add	*2.96*	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	68.35	4.45
		For Work In Restricted Working Space, Add	*3.34*	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	81.02	4.94
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	91.67	5.77
		For Work In Restricted Working Space, Add	*4.32*	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	102.32	6.59
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	125.83	7.41
		For Work In Restricted Working Space, Add	*5.56*	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	154.66	8.23
		For Work In Restricted Working Space, Add	*6.17*	

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	25.22	2.31
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	28.21	2.64
		For Work In Restricted Working Space, Add	*1.98*	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	29.26	2.97
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	30.31	3.29
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.36	3.62
		For Work In Restricted Working Space, Add	*2.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	32.31	3.96
		For Work In Restricted Working Space, Add	*2.96*	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	38.04	4.45
		For Work In Restricted Working Space, Add	*3.34*	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.66	4.94
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	50.76	5.77
		For Work In Restricted Working Space, Add	*4.32*	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	56.86	6.59
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	69.06	7.41
		For Work In Restricted Working Space, Add	*5.56*	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	83.69	8.23
		For Work In Restricted Working Space, Add	*6.17*	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2179)*

26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	27.47	1.32
		For Work In Restricted Working Space, Add	*0.99*	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	30.58	1.48
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	31.30	1.65
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	31.87	1.81
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.90	1.97
		For Work In Restricted Working Space, Add	*1.48*	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	39.06	2.31
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	46.93	2.80
		For Work In Restricted Working Space, Add	*2.10*	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	56.14	3.29
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	64.19	4.12
		For Work In Restricted Working Space, Add	*3.09*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	72.23	4.94
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	89.23	5.77
		For Work In Restricted Working Space, Add	*4.32*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	110.03	6.59
		For Work In Restricted Working Space, Add	*4.94*	

26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	47.23	8.23
		For Work In Restricted Working Space, Add	*6.17*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	54.27	9.88
		For Work In Restricted Working Space, Add	*7.41*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	58.72	11.53
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	63.04	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	65.77	14.00
		For Work In Restricted Working Space, Add	*10.50*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	73.69	14.83
		For Work In Restricted Working Space, Add	*11.12*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	83.07	15.65
		For Work In Restricted Working Space, Add	*11.74*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	93.93	16.47
		For Work In Restricted Working Space, Add	*12.35*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	102.57	17.29
		For Work In Restricted Working Space, Add	*12.97*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	111.23	18.12
		For Work In Restricted Working Space, Add	*13.59*	
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	129.77	18.94
		For Work In Restricted Working Space, Add	*14.21*	
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	152.42	19.77
		For Work In Restricted Working Space, Add	*14.82*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	58.05	8.23
		For Work In Restricted Working Space, Add	*6.17*	
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	66.41	9.88
		For Work In Restricted Working Space, Add	*7.41*	
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	70.92	11.53
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	75.36	13.18
		For Work In Restricted Working Space, Add	*9.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	78.20	14.00
		For Work In Restricted Working Space, Add	*10.50*	
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	87.88	14.83
		For Work In Restricted Working Space, Add	*11.12*	
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	100.11	15.65
		For Work In Restricted Working Space, Add	*11.74*	
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	114.37	16.47
		For Work In Restricted Working Space, Add	*12.35*	
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	125.57	17.29
		For Work In Restricted Working Space, Add	*12.97*	
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	136.80	18.12
		For Work In Restricted Working Space, Add	*13.59*	
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	161.82	18.94
		For Work In Restricted Working Space, Add	*14.21*	
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	192.48	19.77
		For Work In Restricted Working Space, Add	*14.82*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters

(26 05 33 13-2179)

26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	94.88	2.31
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	105.58	2.64
		For Work In Restricted Working Space, Add	*1.98*	
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	109.44	2.97
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	113.43	3.29
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.90	3.62
		For Work In Restricted Working Space, Add	*2.72*	
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	126.89	3.96
		For Work In Restricted Working Space, Add	*2.96*	
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	151.54	4.45
		For Work In Restricted Working Space, Add	*3.34*	
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	180.77	4.94
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	203.89	5.77
		For Work In Restricted Working Space, Add	*4.32*	
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	227.01	6.59
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	281.78	7.41
		For Work In Restricted Working Space, Add	*5.56*	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	347.60	8.23
		For Work In Restricted Working Space, Add	*6.17*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	76.88	8.23
		For Work In Restricted Working Space, Add	*6.17*	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	87.27	9.88
		For Work In Restricted Working Space, Add	*7.41*	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	106.11	11.53
		For Work In Restricted Working Space, Add	*8.65*	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	137.15	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	177.84	14.00
		For Work In Restricted Working Space, Add	*10.50*	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	248.75	14.83
		For Work In Restricted Working Space, Add	*11.12*	
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	372.23	15.65
		For Work In Restricted Working Space, Add	*11.74*	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	454.23	16.47
		For Work In Restricted Working Space, Add	*12.35*	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	551.22	17.29
		For Work In Restricted Working Space, Add	*12.97*	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	648.23	18.12
		For Work In Restricted Working Space, Add	*13.59*	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	763.54	18.94
		For Work In Restricted Working Space, Add	*14.21*	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,265.25	19.77
		For Work In Restricted Working Space, Add	*14.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2297		**Spacers** *(26 05 33 13-1868)* Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.		
26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	5.24	
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	5.52	
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	6.13	
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	6.48	
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	6.26	
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	6.57	
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	7.53	
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	6.99	
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	8.25	
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	8.01	
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	9.30	
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	9.01	
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	10.08	
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.72	
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	10.48	
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	9.98	
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	11.61	
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	11.04	
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	13.82	
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	13.31	
26 05 33 13-2318		**Conduit Field Bending** *(26 05 33 13-0058)* Note: Conduit tasks by LF include field bending up to and include 1" conduit.		
26 05 33 13-2319		**Metallic Conduit Field Bending** *(26 05 33 13-2318)* Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).		
26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	7.52	
		For Aluminum Conduit Bending, Add	*4.96*	
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	9.40	
		For Aluminum Conduit Bending, Add	*6.20*	
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	11.74	
		For Aluminum Conduit Bending, Add	*7.75*	
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	16.45	
		For Aluminum Conduit Bending, Add	*10.86*	
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	21.14	
		For Aluminum Conduit Bending, Add	*13.95*	
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	28.19	
		For Aluminum Conduit Bending, Add	*18.61*	
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	32.89	
		For Aluminum Conduit Bending, Add	*21.71*	
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	37.59	
		For Aluminum Conduit Bending, Add	*24.81*	
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	44.64	
		For Aluminum Conduit Bending, Add	*29.46*	
26 05 33 13-2329		**Plastic Conduit Field Bending** *(26 05 33 13-2318)* Note: For PVC conduits.		
26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	10.80	
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	11.74	
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	14.10	
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	18.79	
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	23.50	
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	28.19	
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	32.89	
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	37.59	
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	42.29	
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	46.98	
26 05 33 13-2340		**Cut And Thread Existing In-Place Threaded Conduit** *(26 05 33 13-0058)* Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	13.34	
		For Work In Restricted Working Space, Add	*4.00*	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	14.67	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit	16.00	
		For Work In Restricted Working Space, Add	*4.80*	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	17.34	
		For Work In Restricted Working Space, Add	*5.20*	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	18.23	
		For Work In Restricted Working Space, Add	*5.47*	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit	19.12	
		For Work In Restricted Working Space, Add	*5.74*	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	20.00	
		For Work In Restricted Working Space, Add	*6.00*	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit	20.90	
		For Work In Restricted Working Space, Add	*6.27*	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	21.34	
		For Work In Restricted Working Space, Add	*6.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit	21.78	
		For Work In Restricted Working Space, Add	*6.53*	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit	22.68	
		For Work In Restricted Working Space, Add	*6.80*	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit	23.56	
		For Work In Restricted Working Space, Add	*7.07*	

26 05 33 13-2353 Flexible Conduit *(26 05 33 13-0058)*

26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2353)*

Note: Steel inner core with PVC cover.

26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2354)*

26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit	2.71	0.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.18*	
		For Work In Restricted Working Space, Add	*0.36*	
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit	2.93	0.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.18*	
		For Work In Restricted Working Space, Add	*0.36*	
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit	3.95	0.65
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.49*	
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit	5.14	0.65
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.49*	
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	6.82	0.81
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.30*	
		For Work In Restricted Working Space, Add	*0.61*	
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	9.15	0.97
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.73*	
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit	11.93	1.29
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.48*	
		For Work In Restricted Working Space, Add	*0.97*	
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	18.02	1.46
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.54*	
		For Work In Restricted Working Space, Add	*1.09*	
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit	28.64	1.78
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.67*	
		For Work In Restricted Working Space, Add	*1.33*	
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit	40.19	2.25
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.70*	

26 05 33 13-2366 Straight Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	7.49	1.29
		For Work In Restricted Working Space, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.97*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	7.49	1.29
		For Work In Restricted Working Space, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.97*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	9.75	1.46
		For Work In Restricted Working Space, Add	*1.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.09*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	14.94	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	20.94	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	28.38	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	41.51	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	170.06	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	223.26	3.06
		For Work In Restricted Working Space, Add	*2.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	268.77	4.52
		For Work In Restricted Working Space, Add	*3.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	11.57	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	12.49	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	14.52	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	23.25	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	31.78	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	40.64	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	56.76	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	243.41	3.06
		For Work In Restricted Working Space, Add	*2.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	288.04	3.55
		For Work In Restricted Working Space, Add	*2.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.66*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	394.13	5.65
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	11.26	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	11.48	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	14.52	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	25.76	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	30.15	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	34.57	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	2.17	0.53
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.19*	
		For Installation In Metal Stud Wall, Add	*0.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.32*	
		For Work In Restricted Working Space, Add	*0.39*	
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	2.28	0.53
		For Flexible Aluminum Conduit, Add	*0.16*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.20*	
		For Installation In Metal Stud Wall, Add	*0.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.33*	
		For Work In Restricted Working Space, Add	*0.40*	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	2.74	0.71
		For Flexible Aluminum Conduit, Add	*0.22*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.21*	
		For Installation In Metal Stud Wall, Add	*0.14*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.36*	
		For Work In Restricted Working Space, Add	*0.43*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	3.99	0.71
		For Flexible Aluminum Conduit, Add	*0.40*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.23*	
		For Installation In Metal Stud Wall, Add	*0.15*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.39*	
		For Work In Restricted Working Space, Add	*0.46*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	4.83	0.89
		For Flexible Aluminum Conduit, Add	*0.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.24*	
		For Installation In Metal Stud Wall, Add	*0.16*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.41*	
		For Work In Restricted Working Space, Add	*0.49*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	7.31	1.06
		For Flexible Aluminum Conduit, Add	*0.93*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.26*	
		For Installation In Metal Stud Wall, Add	*0.17*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.43*	
		For Work In Restricted Working Space, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	8.65	1.41
		For Flexible Aluminum Conduit, Add	*1.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.27*	
		For Installation In Metal Stud Wall, Add	*0.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.44*	
		For Work In Restricted Working Space, Add	*0.53*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	10.53	1.59
		For Flexible Aluminum Conduit, Add	*1.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.33*	
		For Installation In Metal Stud Wall, Add	*0.22*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.55*	
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	17.11	1.95
		For Flexible Aluminum Conduit, Add	*2.39*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.40*	
		For Installation In Metal Stud Wall, Add	*0.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.80*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	21.31	2.12
		For Flexible Aluminum Conduit, Add	*3.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.46*	
		For Installation In Metal Stud Wall, Add	*0.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.77*	
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	24.56	2.47
		For Flexible Aluminum Conduit, Add	*3.47*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.53*	
		For Installation In Metal Stud Wall, Add	*0.35*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.88*	
		For Work In Restricted Working Space, Add	*1.06*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	4.21	1.41
		For Work In Restricted Working Space, Add	*0.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.60*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	5.73	1.59
		For Work In Restricted Working Space, Add	*0.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.66*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	6.36	1.95
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	11.67	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	17.75	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	24.03	3.01
		For Work In Restricted Working Space, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	32.94	3.01
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	59.43	3.71
		For Work In Restricted Working Space, Add	*2.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.32*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	80.51	4.07
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	287.15	4.77
		For Work In Restricted Working Space, Add	*2.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.98*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	361.74	5.83
		For Work In Restricted Working Space, Add	*3.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	6.94	1.59
		For Work In Restricted Working Space, Add	*0.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.66*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	7.95	1.95
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	13.84	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	21.73	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	31.10	2.65
		For Work In Restricted Working Space, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	45.43	3.01
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	86.16	3.71
		For Work In Restricted Working Space, Add	*2.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.32*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	112.02	4.07
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	335.73	4.77
		For Work In Restricted Working Space, Add	*2.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.98*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	434.77	5.83
		For Work In Restricted Working Space, Add	*3.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	6.20	1.77
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	9.04	1.95
		For Work In Restricted Working Space, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.93*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	12.84	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	19.11	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	33.19	2.65
		For Work In Restricted Working Space, Add	*1.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.59*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	55.37	3.09
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	67.80	3.79
		For Work In Restricted Working Space, Add	*2.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.25*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	165.97	4.07
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	216.24	4.77
		For Work In Restricted Working Space, Add	*2.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.98*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	480.19	5.83
		For Work In Restricted Working Space, Add	*3.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	871.73	6.62
		For Work In Restricted Working Space, Add	*3.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	10.72	1.95
		For Work In Restricted Working Space, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.93*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	14.91	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	19.11	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	40.57	2.65
		For Work In Restricted Working Space, Add	*1.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.59*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	68.76	3.09
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	89.57	3.79
		For Work In Restricted Working Space, Add	*2.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.25*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	234.03	4.07
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	289.97	4.77
		For Work In Restricted Working Space, Add	*2.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.98*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	814.38	5.83
		For Work In Restricted Working Space, Add	*3.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,221.76	6.62
		For Work In Restricted Working Space, Add	*3.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	7.56	1.77
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	11.21	1.95
		For Work In Restricted Working Space, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.93*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	15.27	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	8.50	2.12
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	12.75	1.95
		For Work In Restricted Working Space, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.93*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	17.44	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	2.81	1.41
		For Work In Restricted Working Space, Add	*0.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.60*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	2.89	1.59
		For Work In Restricted Working Space, Add	*0.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.66*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	4.03	1.95
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	6.31	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	10.92	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	13.09	2.65
		For Work In Restricted Working Space, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	22.34	3.01
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	3.21	1.41
		For Work In Restricted Working Space, Add	*0.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.60*	
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	3.21	1.59
		For Work In Restricted Working Space, Add	*0.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.66*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	4.86	1.95
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	7.56	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	12.71	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	15.24	2.65
		For Work In Restricted Working Space, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	24.23	3.01
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	

26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	3.68	1.59
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	5.33	1.95
		For Work In Restricted Working Space, Add	*0.80*	

26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	6.99	1.41
		For Work In Restricted Working Space, Add	*0.60*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.54	1.59
		For Work In Restricted Working Space, Add	*0.66*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.50	1.95
		For Work In Restricted Working Space, Add	*0.80*	

26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	3.06	1.41
		For Work In Restricted Working Space, Add	*0.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.60*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	3.54	1.59
		For Work In Restricted Working Space, Add	*0.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.66*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	4.59	1.95
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	7.85	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	11.30	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	16.32	2.65
		For Work In Restricted Working Space, Add	*1.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.66*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	22.16	3.01
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	

26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	4.01	1.77
		For Work In Restricted Working Space, Add	*0.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.80*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	5.38	1.95
		For Work In Restricted Working Space, Add	*0.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.93*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	6.98	2.12
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	13.54	2.47
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	21.22	2.65
		For Work In Restricted Working Space, Add	*1.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.59*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	36.33	3.09
		For Work In Restricted Working Space, Add	*1.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	44.31	3.79
		For Work In Restricted Working Space, Add	*2.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.25*	

26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit *(26 05 33 13-2501)*

26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	2.41	0.49
		For Work In Restricted Working Space, Add	*0.36*	
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	2.51	0.49
		For Work In Restricted Working Space, Add	*0.36*	
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	3.42	0.65
		For Work In Restricted Working Space, Add	*0.49*	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	5.25	0.65
		For Work In Restricted Working Space, Add	*0.49*	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	6.74	0.81
		For Work In Restricted Working Space, Add	*0.61*	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	8.99	0.97
		For Work In Restricted Working Space, Add	*0.73*	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	11.22	1.29
		For Work In Restricted Working Space, Add	*0.97*	

26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector *(26 05 33 13-2501)*

26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	7.63	1.29
		For Work In Restricted Working Space, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.97*	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	7.63	1.29
		For Work In Restricted Working Space, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.97*	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	10.16	1.46
		For Work In Restricted Working Space, Add	*1.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.09*	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	13.85	1.62
		For Work In Restricted Working Space, Add	*1.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	22.06	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	29.37	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	50.63	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	

26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	11.62	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	11.62	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	15.89	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	25.59	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	25.88	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	49.00	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	69.52	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	

26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector *(26 05 33 13-2501)*

26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	11.62	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	11.62	1.78
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	15.89	1.94
		For Work In Restricted Working Space, Add	*1.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.45*	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	25.59	2.25
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	25.88	2.42
		For Work In Restricted Working Space, Add	*1.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.81*	
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	49.00	2.58
		For Work In Restricted Working Space, Add	*1.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.94*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	69.52	2.90
		For Work In Restricted Working Space, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.18*	

26 05 33 13-2534 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2353)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-2535 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2534)*

26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	2.88	0.53
		For Work In Restricted Working Space, Add	*0.40*	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	3.95	0.71
		For Work In Restricted Working Space, Add	*0.53*	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	5.29	0.71
		For Work In Restricted Working Space, Add	*0.53*	

26 05 33 13-2539 Terminal Adapter *(26 05 33 13-2534)*

26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	6.10	1.41
		For Work In Restricted Working Space, Add	*1.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	8.67	1.59
		For Work In Restricted Working Space, Add	*1.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.19*	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	10.45	1.77
		For Work In Restricted Working Space, Add	*1.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	

26 05 33 13-2543 Coupling *(26 05 33 13-2534)*

26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	5.76	1.41
		For Work In Restricted Working Space, Add	*1.06*	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	6.88	1.59
		For Work In Restricted Working Space, Add	*1.19*	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	8.77	1.77
		For Work In Restricted Working Space, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2547		**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2548		**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2547)* Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549		**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2548)*		
26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	31.12	7.74
		For Mogul LB, Add	*7.86*	
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	38.15	8.87
		For Mogul LB, Add	*10.88*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	48.56	10.32
		For Mogul LB, Add	*15.77*	
		For Work In Restricted Working Space, Add	*7.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.91*	
		For Elevated Installation >40' Above Floor, Add	*14.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.41	11.77
		For Mogul LB, Add	*24.01*	
		For Work In Restricted Working Space, Add	*8.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.72*	
		For Elevated Installation >40' Above Floor, Add	*16.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.08	12.91
		For Mogul LB, Add	*31.25*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.48	15.48
		For Mogul LB, Add	*51.15*	
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	211.09	21.78
		For Mogul LB, Add	*114.77*	
		For Work In Restricted Working Space, Add	*16.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.22*	
		For Elevated Installation >40' Above Floor, Add	*29.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	274.85	29.03
		For Mogul LB, Add	*148.07*	
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	380.01	36.29
		For Mogul LB, Add	*212.43*	
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	512.46	44.19
		For Mogul LB, Add	*295.96*	
		For Work In Restricted Working Space, Add	*33.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.24*	
		For Elevated Installation >40' Above Floor, Add	*60.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.14*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	32.55	7.74
		For Mogul LB, Add	*8.93*	
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	39.55	8.87
		For Mogul LB, Add	*11.93*	
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	51.37	10.32
		For Mogul LB, Add	*17.88*	
		For Work In Restricted Working Space, Add	*7.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.91*	
		For Elevated Installation >40' Above Floor, Add	*14.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	66.84	11.77
		For Mogul LB, Add	*26.58*	
		For Work In Restricted Working Space, Add	*8.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.72*	
		For Elevated Installation >40' Above Floor, Add	*16.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	81.92	12.91
		For Mogul LB, Add	*35.63*	
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	122.00	15.48
		For Mogul LB, Add	*60.54*	
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	204.78	21.78
		For Mogul LB, Add	*110.04*	
		For Work In Restricted Working Space, Add	*16.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.22*	
		For Elevated Installation >40' Above Floor, Add	*29.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.33*	
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	253.62	29.03
		For Mogul LB, Add	*132.15*	
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	398.10	36.29
		For Mogul LB, Add	*226.00*	
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	549.45	44.19
		For Mogul LB, Add	*323.70*	
		For Work In Restricted Working Space, Add	*33.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.24*	
		For Elevated Installation >40' Above Floor, Add	*60.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.14*	

26 05 33 13-2571 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	37.77	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	45.90	10.32
		For Work In Restricted Working Space, Add	*7.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.91*	
		For Elevated Installation >40' Above Floor, Add	*14.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	56.66	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	75.35	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	91.48	14.19
		For Work In Restricted Working Space, Add	*10.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.74*	
		For Elevated Installation >40' Above Floor, Add	*19.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.64*	
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	137.31	16.61
		For Work In Restricted Working Space, Add	*12.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.46*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	229.72	24.19
		For Work In Restricted Working Space, Add	*18.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.24*	
		For Elevated Installation >40' Above Floor, Add	*33.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.14*	
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	295.57	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.31*	
		For Elevated Installation >40' Above Floor, Add	*43.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	547.37	38.70
		For Work In Restricted Working Space, Add	*29.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.39*	
		For Elevated Installation >40' Above Floor, Add	*53.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.03*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	612.66	46.61
		For Work In Restricted Working Space, Add	*34.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.27*	
		For Elevated Installation >40' Above Floor, Add	*64.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.96*	

26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	32.84	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	38.56	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	49.83	10.16
		For Work In Restricted Working Space, Add	*7.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.71*	
		For Elevated Installation >40' Above Floor, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.47	11.77
		For Work In Restricted Working Space, Add	*8.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.72*	
		For Elevated Installation >40' Above Floor, Add	*16.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.13	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.59	15.48
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	199.46	21.78
		For Work In Restricted Working Space, Add	*16.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.22*	
		For Elevated Installation >40' Above Floor, Add	*29.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.33*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	250.23	29.03
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	387.22	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	515.86	44.19
		For Work In Restricted Working Space, Add	*33.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.24*	
		For Elevated Installation >40' Above Floor, Add	*60.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.14*	

26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	44.56	10.16
		For Work In Restricted Working Space, Add	*7.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.71*	
		For Elevated Installation >40' Above Floor, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	54.13	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	74.86	12.42
		For Work In Restricted Working Space, Add	*9.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.52*	
		For Elevated Installation >40' Above Floor, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.31*	
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	87.08	14.19
		For Work In Restricted Working Space, Add	*10.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.74*	
		For Elevated Installation >40' Above Floor, Add	*19.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.64*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	129.08	15.48
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	154.16	19.03
		For Work In Restricted Working Space, Add	*14.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.79*	
		For Elevated Installation >40' Above Floor, Add	*26.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.27*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	334.19	27.90
		For Work In Restricted Working Space, Add	*20.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.88*	
		For Elevated Installation >40' Above Floor, Add	*38.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	400.49	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	612.49	44.84
		For Work In Restricted Working Space, Add	*33.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*56.45*	
		For Elevated Installation >40' Above Floor, Add	*62.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.87*	
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	744.14	53.87
		For Work In Restricted Working Space, Add	*40.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*47.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*67.34*	
		For Elevated Installation >40' Above Floor, Add	*74.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.40*	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2547)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	35.12	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	41.51	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	54.63	10.32
		For Work In Restricted Working Space, Add	*7.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.91*	
		For Elevated Installation >40' Above Floor, Add	*14.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.14	11.77
		For Work In Restricted Working Space, Add	*8.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.72*	
		For Elevated Installation >40' Above Floor, Add	*16.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	95.68	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	144.83	15.48
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	271.68	21.78
		For Work In Restricted Working Space, Add	*16.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.22*	
		For Elevated Installation >40' Above Floor, Add	*29.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.33*	
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	396.65	29.03
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	570.50	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	677.83	44.19
		For Work In Restricted Working Space, Add	*33.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.25*	
		For Elevated Installation >40' Above Floor, Add	*60.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.15*	

26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2617	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	38.77	7.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2618	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	42.58	8.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2619	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	60.20	10.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.74*	
26 05 33 13-2620	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	84.88	11.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 33 13-2621	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.25	12.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2622	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	135.45	15.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2623	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	219.59	21.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.33*	
26 05 33 13-2624	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	302.99	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2625	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	625.66	36.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2626	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	718.51	44.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.15*	

26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2628	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	48.21	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2629	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	56.65	10.32
		For Work In Restricted Working Space, Add	*7.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.10*	
		For Elevated Installation >40' Above Floor, Add	*14.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.86*	
26 05 33 13-2630	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	74.29	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-2631	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	103.21	12.91
		For Work In Restricted Working Space, Add	*9.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.93*	
		For Elevated Installation >40' Above Floor, Add	*17.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-2632	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	121.23	14.19
		For Work In Restricted Working Space, Add	*10.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.74*	
		For Elevated Installation >40' Above Floor, Add	*19.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.64*	
26 05 33 13-2633	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	175.88	16.61
		For Work In Restricted Working Space, Add	*12.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.46*	
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	201.43	24.19
		For Work In Restricted Working Space, Add	*18.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.24*	
		For Elevated Installation >40' Above Floor, Add	*33.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.14*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	312.85	31.45
		For Work In Restricted Working Space, Add	*23.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.31*	
		For Elevated Installation >40' Above Floor, Add	*43.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	657.18	38.70
		For Work In Restricted Working Space, Add	*29.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.39*	
		For Elevated Installation >40' Above Floor, Add	*53.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.03*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	746.97	46.61
		For Work In Restricted Working Space, Add	*35.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.47*	
		For Elevated Installation >40' Above Floor, Add	*64.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2638		Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*		
26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	35.40	7.74
		For Work In Restricted Working Space, Add	*5.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.68*	
		For Elevated Installation >40' Above Floor, Add	*10.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.81*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	46.24	8.87
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.09*	
		For Elevated Installation >40' Above Floor, Add	*12.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.54	10.16
		For Work In Restricted Working Space, Add	*7.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.71*	
		For Elevated Installation >40' Above Floor, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.01	11.77
		For Work In Restricted Working Space, Add	*8.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.72*	
		For Elevated Installation >40' Above Floor, Add	*16.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	108.57	12.91
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.29*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.13*	
		For Elevated Installation >40' Above Floor, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	148.51	15.48
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	290.82	40.85
		For Work In Restricted Working Space, Add	*30.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*35.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*40.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.04*	
		For Elevated Installation >40' Above Floor, Add	*56.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	342.33	29.03
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.29*	
		For Elevated Installation >40' Above Floor, Add	*39.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	625.66	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	718.50	44.19
		For Work In Restricted Working Space, Add	*33.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*55.24*	
		For Elevated Installation >40' Above Floor, Add	*60.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.14*	
26 05 33 13-2649		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*		
26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	54.28	10.16
		For Work In Restricted Working Space, Add	*7.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.71*	
		For Elevated Installation >40' Above Floor, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.62*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	58.17	11.29
		For Work In Restricted Working Space, Add	*8.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.12*	
		For Elevated Installation >40' Above Floor, Add	*15.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	72.14	12.42
		For Work In Restricted Working Space, Add	*9.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.52*	
		For Elevated Installation >40' Above Floor, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.31*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	89.74	14.19
		For Work In Restricted Working Space, Add	*10.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.74*	
		For Elevated Installation >40' Above Floor, Add	*19.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.64*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	109.50	15.48
		For Work In Restricted Working Space, Add	*11.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.35*	
		For Elevated Installation >40' Above Floor, Add	*21.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.61*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	170.83	19.03
		For Work In Restricted Working Space, Add	*14.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.79*	
		For Elevated Installation >40' Above Floor, Add	*26.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	289.82	27.90
		For Work In Restricted Working Space, Add	*20.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.88*	
		For Elevated Installation >40' Above Floor, Add	*38.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.93*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	456.40	36.29
		For Work In Restricted Working Space, Add	*27.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.36*	
		For Elevated Installation >40' Above Floor, Add	*49.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.22*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	744.45	44.84
		For Work In Restricted Working Space, Add	*33.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*39.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*44.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*56.05*	
		For Elevated Installation >40' Above Floor, Add	*61.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.63*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	806.08	53.87
		For Work In Restricted Working Space, Add	*40.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*47.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*67.34*	
		For Elevated Installation >40' Above Floor, Add	*74.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.40*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	21.35	3.06
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	26.54	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.07	5.00
		For Work In Restricted Working Space, Add	*3.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.25*	
		For Elevated Installation >40' Above Floor, Add	*6.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	53.11	6.12
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	76.53	7.09
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.88*	
		For Elevated Installation >40' Above Floor, Add	*9.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	110.62	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	21.73	3.06
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	27.98	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	34.04	5.00
		For Work In Restricted Working Space, Add	*3.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.25*	
		For Elevated Installation >40' Above Floor, Add	*6.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.68	6.12
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	68.17	7.09
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.88*	
		For Elevated Installation >40' Above Floor, Add	*9.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	109.90	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-2675 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	27.32	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	37.34	5.00
		For Work In Restricted Working Space, Add	*3.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.25*	
		For Elevated Installation >40' Above Floor, Add	*6.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	44.36	6.12
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	68.67	7.09
		For Work In Restricted Working Space, Add	*5.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.27*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.56*	
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	93.64	8.06
		For Work In Restricted Working Space, Add	*6.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.89*	
		For Elevated Installation >40' Above Floor, Add	*11.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.53*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	137.92	9.03
		For Work In Restricted Working Space, Add	*7.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.50*	
		For Elevated Installation >40' Above Floor, Add	*13.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.50*	

26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.96	3.06
		For Work In Restricted Working Space, Add	*2.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.83*	
		For Elevated Installation >40' Above Floor, Add	*4.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.30*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	31.19	4.03
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.04*	
		For Elevated Installation >40' Above Floor, Add	*5.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	40.89	5.00
		For Work In Restricted Working Space, Add	*3.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.13*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.25*	
		For Elevated Installation >40' Above Floor, Add	*6.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.75*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	55.29	6.12
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.66*	
		For Elevated Installation >40' Above Floor, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	69.67	7.09
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.88*	
		For Elevated Installation >40' Above Floor, Add	*9.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	123.85	8.06
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.08*	
		For Elevated Installation >40' Above Floor, Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2547)*

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	128.94	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.63*	
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	566.21	16.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.26*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,080.47	33.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.86*	

26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2547)*

26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	6.99	1.58
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	9.06	1.84
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	11.56	2.35
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	14.01	2.88
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	17.96	3.41
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	21.91	3.93
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	33.21	4.46
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	39.05	6.29
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	42.09	7.07
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	53.15	8.91

26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	9.62	1.58
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	11.34	1.84
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	17.20	2.35
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	21.65	2.88
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	26.86	3.41
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	32.09	3.93
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	37.25	4.46
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	48.60	6.29
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	57.13	7.07
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	72.18	8.91

26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	5.82	1.58
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	6.43	1.84
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	8.62	2.35
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	12.23	2.88
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	13.27	3.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	16.49	3.93
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	25.79	4.46
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	29.79	6.29
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	33.33	7.07
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	36.97	8.91

26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	7.64	1.58
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	8.17	1.84
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	10.91	2.35
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	13.39	2.88
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	14.43	3.41
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	16.61	3.93
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	26.08	4.46
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	30.08	6.29
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	35.27	7.07
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	38.91	8.91

26 05 33 13-2738 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	6.72	
		For Work In Restricted Working Space, Add	*2.02*	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	7.56	
		For Work In Restricted Working Space, Add	*2.27*	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	8.89	
		For Work In Restricted Working Space, Add	*2.67*	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	9.87	
		For Work In Restricted Working Space, Add	*2.96*	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	11.11	
		For Work In Restricted Working Space, Add	*3.33*	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	13.16	
		For Work In Restricted Working Space, Add	*3.95*	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	15.56	
		For Work In Restricted Working Space, Add	*4.67*	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	17.78	
		For Work In Restricted Working Space, Add	*5.33*	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	20.00	
		For Work In Restricted Working Space, Add	*6.00*	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	22.23	
		For Work In Restricted Working Space, Add	*6.67*	

26 05 33 13-2749 Buried Pipe Or Conduit Wrap *(26 05 33 13)*

26 05 33 13-2750 All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 33 13-2749)*

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	1.47
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	1.78
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.16
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.56
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.97
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.70
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.04
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.28
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.46
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.51
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.56
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	1.49
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	1.91
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.33
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.78
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.25
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.09
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.65
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.17
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.66
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	8.01
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.36

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers *(26 05 33 16)*

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0136 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers *(26 05 33 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	15.82	6.62
		For Stud Bracket, Add	*0.63*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	16.99	6.62
		For Stud Bracket, Add	*1.14*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	21.01	6.62
		For Stud Bracket, Add	*1.24*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	14.55	4.42
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	10.49	4.42
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	5.65	2.21
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	5.83	2.21
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	5.97	2.21
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	6.40	2.21
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	6.53	2.21
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	7.92	2.21
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	6.17	2.21
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	6.31	2.21
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	6.47	2.21
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	7.89	2.21
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	8.19	2.21
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	9.99	2.21
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	6.87	2.21
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	8.01	2.21
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	6.15	2.21
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	6.26	2.21
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	6.13	2.21
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	6.43	2.21
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	6.69	2.21
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.87	2.21
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	6.64	2.21
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	9.87	2.21
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	6.64	2.21
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	7.39	2.21
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.87	2.21
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	9.87	2.21
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	5.24	2.21
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	20.15	6.62
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	17.51	6.62
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	30.79	6.62
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	15.66	4.42
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	16.31	4.42
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	8.29	2.21
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	8.32	2.21
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	9.45	2.21
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	9.00	2.21
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	8.90	2.21
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	13.59	2.21
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	9.19	2.21
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	9.43	2.21
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	9.45	2.21
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.11	2.21
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	11.46	2.21
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	15.47	2.21
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	8.97	2.21
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	9.09	2.21
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	12.20	2.21
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	13.08	2.21
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	11.94	2.21
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	11.00	2.21
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.17	2.21
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.07	2.21
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.07	2.21
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	13.07	2.21
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	5.96	2.21
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	7.84	3.33
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	6.28	2.22
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	10.66	3.33
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	12.11	3.33
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	13.15	5.52
		For Stud Bracket, Add	*1.53*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	14.17	5.52
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	5.18	2.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	22.28	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	23.94	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	25.01	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	26.03	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	29.72	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	33.61	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	36.36	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	6.59	2.21
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	27.63	5.52
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	30.63	5.96
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	38.29	6.62
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	53.61	7.29
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	87.16	7.95
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	43.43	5.52
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	47.46	5.96
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	66.71	6.62
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	88.95	7.29
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	157.05	7.95
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	12.64	2.21
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	12.90	2.21
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	15.95	2.21
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	21.18	2.21
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	32.66	2.21
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	10.02	2.21
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	12.87	2.21
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	16.65	2.21
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	21.47	2.21
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	33.47	2.21
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	15.12	5.52
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	15.56	5.52
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	17.84	5.52
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	22.96	5.52
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	23.41	5.52
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	30.35	5.52
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	13.03	5.52
		For Stud Bracket, Add	*2.47*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	13.51	5.52
		For Stud Bracket, Add	*1.06*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	14.56	5.52
		For Stud Bracket, Add	*1.45*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	9.49	3.31
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	9.01	3.31
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	3.24	1.10
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	3.33	1.10
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	2.89	1.10
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	2.92	1.10
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	3.82	1.10
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	2.92	1.10
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	21.02	7.73
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	24.72	8.17
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	29.68	8.83
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	34.70	9.72
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0279 for box covers.		
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)*		
		Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	67.78	13.25
		Note: One hub.		
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	66.79	15.46
		Note: One hub.		
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	75.67	18.77
		Note: One hub.		
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	78.90	17.66
		Note: Two hub.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	109.28	20.98
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	78.20	17.66
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	95.42	20.98
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	82.66	17.66
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	95.49	20.98
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	78.20	17.66
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	89.98	20.98
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	87.76	22.08
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	101.94	26.50
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	96.30	22.08
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	134.53	26.50
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	101.88	22.08
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	121.13	26.50
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	87.03	22.08
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	124.91	26.50
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	119.59	26.50
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	144.01	32.01
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	74.08	13.25
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	84.26	15.46
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	95.82	18.77
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	90.41	17.66
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	101.34	20.98
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	120.86	25.39
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	117.03	20.98
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	153.12	26.50
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	89.78	14.35
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	96.05	16.56
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	108.28	19.87
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	101.63	18.77
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	111.49	22.08
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	108.68	14.35
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	113.83	16.56
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	130.08	18.77
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	141.54	22.08
26 05 33 16-0171		**Cast Aluminum Boxes** *(26 05 33 16-0127)* See CSI section 26 27 26 00-0279 for box covers.		
26 05 33 16-0172		**Shallow, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	63.36	11.04
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	69.43	13.25
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	67.63	16.56
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	56.03	11.04
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	74.60	13.25
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	72.90	15.46
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	86.54	18.77
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	110.51	23.18
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	85.65	15.46
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	80.33	18.77
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	78.40	15.46
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.67	18.77
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	73.71	15.46
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	84.67	18.77
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	62.90	15.46
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	96.17	18.77
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	79.19	19.87
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	95.48	24.29
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	90.40	19.87
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	134.32	24.29
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	89.46	19.87
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	110.25	24.29
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	113.59	24.29
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	108.79	24.29
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	131.96	29.81
26 05 33 16-0198		**Deep, Single Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	76.37	11.04
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	91.37	13.25
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	97.80	16.56
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	103.25	13.25
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	89.72	15.46
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	107.19	18.77
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	108.57	23.18
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	109.95	18.77
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	127.59	24.29
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	96.79	12.14
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	108.53	14.35
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	104.91	17.66
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	113.83	16.56
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	100.67	19.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	125.70	24.29
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	96.64	12.14
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	110.31	14.35
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	117.89	16.56
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	127.87	19.87
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	117.89	16.56
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	127.87	19.87
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	122.27	17.66
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	131.20	20.98
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	163.61	15.46
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	174.40	18.77
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	160.66	17.66
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	209.64	19.87
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	171.44	22.08
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	176.49	19.87
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	226.38	22.08
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0279 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	30.09	9.27
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	33.54	10.82
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	35.15	13.14
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	36.63	12.36
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	42.45	14.68
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	51.62	17.77
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	36.93	12.36
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	41.64	14.68
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	48.83	17.77
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	47.24	15.46
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	50.20	18.55
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	56.97	22.41
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	30.99	9.27
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	29.41	9.27
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	35.68	10.82
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	36.02	13.14
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	38.40	12.36

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26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	40.14	14.68
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	47.11	17.77
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	32.10	10.05
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	36.45	11.60
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	36.85	13.91
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	36.22	13.14
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	47.83	15.46
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	55.60	18.55
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	38.31	13.14
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	53.62	15.46
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	50.96	18.55
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	46.19	16.23
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	68.64	19.32
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	58.37	23.18
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	500.82	16.56
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	318.17	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	33.33	4.42
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	52.04	2.21
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	570.43	17.66
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	295.26	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	60.69	6.62
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	52.04	2.21
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	159.22	4.42
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	445.82	15.46
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	33.63	2.21
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	443.50	15.46
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	50.02	2.21
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	911.16	17.66

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26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	911.28	17.66
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	864.96	17.66
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	864.96	17.66
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	911.16	17.66
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	911.16	17.66
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	825.85	17.66
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	494.76	16.56
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	535.62	16.56
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	539.67	16.56
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	135.61	8.83
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	378.58	4.42
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	378.58	4.42
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	311.57	4.42
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	43.12	1.10
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	14.14	2.21
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.77	2.21
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	14.03	2.21
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	14.10	2.21
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.94	2.21
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	18.15	2.21
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.86	2.21
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	18.52	2.21
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.60	2.21
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.61	2.21
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	13.30	2.21

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26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	13.30	2.21
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	40.46	3.31
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	11.39	2.21
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	11.91	2.21
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	154.33	3.98
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.53	2.21
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	18.66	2.21
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	19.45	2.21
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	25.57	4.42
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	27.36	5.52
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	32.56	5.52
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	23.81	4.42
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	18.46	2.21
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	18.46	2.21
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	19.96	2.21
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	20.97	2.21
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,218.47	17.66
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,156.13	17.66
26 05 33 16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,144.39	17.66
26 05 33 16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,133.27	17.66
26 05 33 16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	659.72	16.56
26 05 33 16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	747.55	16.56
26 05 33 16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	169.88	8.83
26 05 33 16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	410.92	4.42
26 05 33 16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	410.92	4.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	69.79	1.10
26 05 33 16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	14.92	2.21
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.06	2.21
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.21	2.21
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.11	2.21
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	25.10	2.21
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	25.05	2.21
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	14.19	2.21
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.48	2.21
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.19	2.21
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.19	2.21
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.56	2.21
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	18.93	2.21
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	23.24	2.21
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	25.57	4.42

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	25.44	2.02
		For Combination Hinged Screw Cover, Add	*1.07*	
		For Concrete Or Masonry Surface, Add	*0.20*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	13.80	3.02
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	15.30	3.77
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	36.87	7.05
		For Combination Hinged Screw Cover, Add	*1.14*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	82.21	7.05
		For Combination Hinged Screw Cover, Add	*3.41*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	124.05	10.04
		For Combination Hinged Screw Cover, Add	*5.20*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	140.11	11.09
		For Combination Hinged Screw Cover, Add	*5.90*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	30.87	2.54
		For Combination Hinged Screw Cover, Add	*1.29*	
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	66.03	2.54
		For Combination Hinged Screw Cover, Add	*3.05*	
		For Concrete Or Masonry Surface, Add	*0.25*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	12.54	2.21
		For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	16.57	4.23
		For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	41.94	8.63
		For Combination Hinged Screw Cover, Add	*1.23*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	91.79	8.63
		For Combination Hinged Screw Cover, Add	*3.73*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	135.34	11.21
		For Combination Hinged Screw Cover, Add	*5.65*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	155.58	13.11
		For Combination Hinged Screw Cover, Add	*6.47*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0020			**6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0021		LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	50.06	3.02
			For Combination Hinged Screw Cover, Add	*2.20*	
			For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0022		LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	111.73	3.02
			For Combination Hinged Screw Cover, Add	*5.28*	
			For Concrete Or Masonry Surface, Add	*0.30*	
26 05 33 23-0023		EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	17.88	2.42
			For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0024		EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	23.12	5.04
			For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0025		EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	70.68	10.04
			For Combination Hinged Screw Cover, Add	*2.53*	
26 05 33 23-0026		EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	123.32	10.04
			For Combination Hinged Screw Cover, Add	*5.16*	
26 05 33 23-0027		EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	210.66	12.54
			For Combination Hinged Screw Cover, Add	*9.28*	
26 05 33 23-0028		EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	223.41	14.51
			For Combination Hinged Screw Cover, Add	*9.72*	
26 05 33 23-0029			**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030		LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	89.10	3.30
			For Combination Hinged Screw Cover, Add	*4.13*	
			For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0031		LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	176.91	3.30
			For Combination Hinged Screw Cover, Add	*8.52*	
			For Concrete Or Masonry Surface, Add	*0.33*	
26 05 33 23-0032		EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	19.90	2.62
			For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0033		EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	25.54	5.45
			For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0034		EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	79.58	11.05
			For Combination Hinged Screw Cover, Add	*2.87*	
26 05 33 23-0035		EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	165.07	11.05
			For Combination Hinged Screw Cover, Add	*7.15*	
26 05 33 23-0036		EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	260.88	13.63
			For Combination Hinged Screw Cover, Add	*11.68*	
26 05 33 23-0037		EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	377.20	16.53
			For Combination Hinged Screw Cover, Add	*17.21*	
26 05 33 23-0038			**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0039		LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	134.32	3.83
			For Combination Hinged Screw Cover, Add	*6.33*	
			For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0040		LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	253.16	3.83
			For Combination Hinged Screw Cover, Add	*12.27*	
			For Concrete Or Masonry Surface, Add	*0.38*	
26 05 33 23-0041		EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	31.23	3.02
			For Combination Hinged Screw Cover, Add	*1.26*	
26 05 33 23-0042		EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	37.28	6.04
			For Combination Hinged Screw Cover, Add	*1.26*	
26 05 33 23-0043		EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	120.33	12.02
			For Combination Hinged Screw Cover, Add	*4.81*	
26 05 33 23-0044		EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	289.93	12.02
			For Combination Hinged Screw Cover, Add	*13.29*	
26 05 33 23-0045		EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	454.34	15.16
			For Combination Hinged Screw Cover, Add	*21.20*	
26 05 33 23-0046		EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	671.54	17.14
			For Combination Hinged Screw Cover, Add	*31.86*	
26 05 33 23-0047			**12" x 12", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0048		LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	157.06	4.64
			For Combination Hinged Screw Cover, Add	*7.39*	
			For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0049		LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	276.49	4.64
			For Combination Hinged Screw Cover, Add	*13.36*	
			For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0050		EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	44.95	3.22
			For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0051		EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	51.41	6.45
			For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0052		EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	171.76	13.11
			For Combination Hinged Screw Cover, Add	*7.28*	
26 05 33 23-0053		EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	396.35	13.11
			For Combination Hinged Screw Cover, Add	*18.51*	
26 05 33 23-0054		EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	515.18	16.13
			For Combination Hinged Screw Cover, Add	*24.15*	
26 05 33 23-0055		EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	881.84	18.14
			For Combination Hinged Screw Cover, Add	*42.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0056		**Surface Metal Raceways** *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0057		**One Piece Surface Metal Raceways** *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058		**3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)** *(26 05 33 23-0057)* Note: Available in ivory.		
26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	3.01	0.61
		For Concrete Or Masonry Surface, Add	*0.06*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	2.05	0.81
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	2.11	0.81
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	2.31	0.81
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	4.56	0.97
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	10.20	1.01
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	5.72	1.21
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	5.47	1.21
26 05 33 23-0067		**3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)** *(26 05 33 23-0057)* Note: Available in ivory and white.		
26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	3.64	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	2.19	0.81
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	2.36	0.81
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	2.42	0.81
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	6.01	1.62
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	13.38	1.62
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	7.00	1.62
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	6.53	1.62
26 05 33 23-0076		**One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)** *(26 05 33 23-0057)* Note: Available in ivory.		
26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	33.35	1.21
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	2.35	0.81
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	2.35	0.81
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	11.62	1.21
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	9.01	1.21
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	9.21	1.62
26 05 33 23-0083	EA	Tee (Wiremold #5715)	9.50	2.02
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	24.62	1.62
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	17.35	1.62
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	8.72	1.01
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	23.13	1.62
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	22.99	1.62
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	9.49	1.01
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	20.25	1.62
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	19.30	1.62
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	19.53	1.62
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	19.53	1.62
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	22.99	1.62
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	22.62	1.62
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	24.61	1.62
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	24.29	2.62
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	34.64	5.04
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	15.60	2.62
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	31.33	2.62
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	37.57	2.62
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	62.95	2.62
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	29.07	2.21
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	33.57	2.21
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	59.66	2.21
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	16.80	2.62
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	13.39	2.62
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	23.47	2.62
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	56.46	2.62
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	15.10	2.62
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	25.51	2.62
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	54.56	2.62
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	86.51	2.62
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	150.05	2.62
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	152.89	2.62
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	14.77	2.62
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	14.05	2.62
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	22.45	2.62
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	55.20	2.62
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	16.10	2.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	24.22	2.62
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	39.92	2.62
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	13.45	1.01
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	12.61	1.01
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	6.92	1.01
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	16.05	1.21
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	7.02	1.01
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	21.45	1.21
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	18.66	1.21
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	8.04	1.21
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	16.95	1.21
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	7.19	1.01
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	6.74	0.81

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	5.98	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	2.93	0.81
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	3.24	1.01
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	3.34	1.21
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	16.72	3.83
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	17.85	3.83
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	20.46	3.83
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	20.24	3.83
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	22.00	2.62
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	23.05	2.62
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	45.61	5.04
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	24.08	2.62
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	32.06	2.62
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	31.23	2.62
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	15.35	1.21

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	8.96	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	2.90	0.81
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	3.62	0.81
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	18.77	1.41
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	28.49	2.02
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	26.18	2.42

26 05 33 23-0157 Two Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*

26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	5.38	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	2.08	0.81
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	4.71	1.01
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	3.41	0.61
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	2.98	0.61
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	10.04	1.01
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	15.69	3.02
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	31.48	4.03
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	3.30	1.01
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	13.37	2.62
26 05 33 23-0169	EA	Tee (Wiremold #2015)	28.64	3.79
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	7.24	2.02
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	21.74	3.59
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	41.15	3.99
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	23.14	3.99
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	24.41	2.02
26 05 33 23-0175	EA	#2089E End Reducing Connector	9.35	1.01

26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	4.00	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	4.79	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	2.43	0.20
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	2.08	0.81
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	4.62	1.01
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	5.82	1.01
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	3.03	0.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	28.70	3.02
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	26.97	3.02
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	8.28	0.81
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	14.56	3.02
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	3.40	1.01
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	3.50	1.01
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	28.58	3.02
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	26.90	3.02
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	52.01	3.02
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	36.95	3.02
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	17.78	3.02
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	35.97	3.02
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	30.99	2.98
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	16.37	3.02
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	39.58	2.98
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	37.02	2.98
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	21.79	2.98
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	16.13	2.98
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	32.40	2.98
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	31.07	2.98
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	15.24	2.98
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	36.31	2.98
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	35.52	2.98
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	21.21	2.98
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	33.48	2.62
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	38.35	2.62
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	38.60	2.62
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	36.55	2.62
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	56.06	2.62
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	48.04	2.62
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	20.18	2.62
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	37.27	2.62
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	10.61	1.01
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	22.57	3.02
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	91.98	3.02
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	23.70	1.62

26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	8.69	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.03	0.20
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	3.69	0.81
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	8.49	0.81
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	11.73	1.01
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	7.54	1.01
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	3.37	0.81
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	10.71	1.62
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	12.32	1.21
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	24.42	3.83
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	8.04	1.62
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	28.78	3.83
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	46.47	5.00
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	27.01	5.04
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	66.47	6.25
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	27.75	3.83
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	38.02	3.83
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	22.51	3.83
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	49.37	3.83
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	16.91	1.01
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	18.89	1.01
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	16.85	1.01
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	18.45	1.21
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	39.86	5.24
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	57.60	3.83
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	16.15	1.21
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	18.87	1.01
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	81.14	2.42
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	213.08	2.42
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	69.31	2.42
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	75.86	2.42
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	75.86	2.42
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	22.22	1.21

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	11.78	1.82
		For Concrete Or Masonry Surface, Add	*0.20*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	5.36	0.20
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	2.16	0.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	5.12	1.01
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	12.29	1.21
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	4.28	1.21
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	4.45	1.21
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	31.42	2.62
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	14.40	1.62
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	55.25	6.20
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	54.51	5.04
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	68.29	5.04
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	56.11	6.25
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	83.66	6.25
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	95.76	6.25
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	100.62	6.25
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	125.34	6.25
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	125.82	6.25
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	40.59	6.25
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	93.61	6.25
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	47.88	6.25
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	36.73	6.25
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	73.71	6.25
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	89.83	6.25
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	87.40	2.62
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	93.35	2.62
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	93.35	2.62
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	128.60	2.62
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	18.10	2.62
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	84.58	1.21
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	95.82	2.62
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	20.47	2.62
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	25.34	2.62
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	24.39	2.02
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	127.67	6.25
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	112.40	6.25
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	112.40	6.25
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	60.96	11.89
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	42.10	6.25

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	19.59	2.21
		For Concrete Or Masonry Surface, Add	*0.22*	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	6.19	0.61
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	7.04	0.61
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	6.23	1.01
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	14.04	2.02
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	6.96	1.01
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	19.99	2.62
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	18.42	2.62
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	19.85	2.62
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	22.76	2.62
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	33.01	3.83
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	27.60	6.04
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	73.92	6.04
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	76.55	5.81
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	117.80	6.25
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	74.13	6.85
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	150.34	6.85
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	147.44	6.04
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	161.59	6.04
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	54.71	14.03

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	9.26	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	6.14	0.20
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	3.90	0.81
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	6.18	1.01
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	4.47	0.61
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	6.50	0.61
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	8.58	1.01
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	22.96	3.02
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	7.25	1.01
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	31.04	2.62
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	40.83	3.79
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	29.97	2.02
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	29.88	2.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	45.17	3.99
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	133.47	3.59
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	49.18	3.59
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	119.42	3.99
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	51.58	3.59
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	103.21	3.99
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	32.60	3.99

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

(26 05 33 23-0315)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	10.77	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	6.21	0.20
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	6.33	0.81
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	8.48	1.01
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	9.14	0.61
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	7.68	0.81
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	8.43	1.01
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	13.86	3.02
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	37.38	3.02
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	42.21	2.98
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	52.16	2.98
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	37.30	2.98
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	41.29	2.98
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	31.82	3.02

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)

(26 05 33 23-0315)

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	20.02	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	7.84	0.20
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	6.26	1.82
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	11.00	0.81
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	15.84	0.81
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	16.11	1.01
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	10.08	0.81
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	21.34	1.62
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	27.62	3.83
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311)	122.85	5.00
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315)	137.85	6.25
		Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316)	160.69	6.25
		Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317)	120.07	3.83
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318)	120.22	3.83
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	24.54	1.21
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	24.34	1.21
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	24.01	1.21
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	25.22	1.01

26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)

(26 05 33 23-0315)

26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	25.04	1.82
		For Concrete Or Masonry Surface, Add	*0.20*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	12.46	0.20
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.95	0.20
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	8.51	1.01
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	6.62	1.01
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	6.56	1.01
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	13.26	1.21
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	13.87	1.21
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	15.62	1.21
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	18.10	1.62
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	20.06	1.62
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	20.49	1.62
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	19.60	1.62
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211)	120.49	5.04
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	82.57	6.25
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215)	139.12	6.25
		Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216)	155.85	6.25
		Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217)	119.64	6.25
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	31.56	6.25
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	123.90	6.25
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218)	120.97	6.25
		Note: Includes two (2) pairs of AL5201 couplings.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	26.62	1.21
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	32.75	1.21
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	40.07	1.21
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	37.18	1.21
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	33.84	1.21
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	27.00	2.62
26 05 33 23-0399		3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	21.89	1.82
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	8.89	1.21
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	18.49	1.62
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	20.55	1.62
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	123.67	5.04
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	121.63	6.25
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	117.70	6.25
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	144.83	6.25
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	119.72	6.25
26 05 33 23-0409		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	40.58	1.82
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	15.46	1.21
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	20.07	1.62
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	23.40	1.62
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	162.30	5.04
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	225.89	6.25
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	140.80	6.25
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	172.15	6.25
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	149.62	6.25
26 05 33 23-0419		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.86	0.20
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	6.59	1.01
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	14.78	1.21
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	11.09	1.21
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	29.58	5.04
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	33.92	6.25
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	36.21	5.04
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	20.25	1.21
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	22.06	1.21
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	23.26	1.21
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	22.85	1.21
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	22.30	1.21
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	23.28	1.21
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	24.06	1.21
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	32.84	1.21
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	30.45	1.21
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	36.17	1.21
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	21.55	1.21
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	34.70	1.21
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	31.16	1.21
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	23.99	1.21
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	31.50	1.21
26 05 33 23-0442		Surface Non-Metallic Raceways *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		One Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	3.67	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	2.05	0.81
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	2.33	0.81
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	4.23	1.62
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	5.93	1.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0450	EA	Tee (Wiremold #415)	7.52	2.02
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	5.71	1.62
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	5.71	1.62
26 05 33 23-0453		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	4.73	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	2.14	0.81
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	2.25	0.81
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	10.13	1.62
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	4.34	1.62
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	6.02	1.62
26 05 33 23-0460	EA	Tee (Wiremold #815)	7.60	2.02
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	5.77	1.62
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	5.77	1.62
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	7.35	1.62
26 05 33 23-0464		2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	5.94	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	6.53	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	2.40	0.81
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	2.70	0.81
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	11.56	1.62
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	4.91	1.62
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	13.83	1.62
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	6.25	1.62
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	7.21	1.62
26 05 33 23-0474	EA	Tee (Wiremold #2315)	7.74	2.02
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	6.25	1.62
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	7.23	1.62
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	6.28	1.62
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	7.40	1.62
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	7.41	1.62
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	8.03	1.62
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	9.83	1.41
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	18.99	1.62
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	19.13	1.62
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	16.62	1.62
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	20.31	1.62
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	18.70	1.62
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	20.89	1.62
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	12.45	2.62
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	15.70	2.62
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	13.40	2.62
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	18.30	2.62
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	23.98	2.62
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	22.17	2.62
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	19.07	2.62
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	11.96	2.62
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	3.22	0.81
		For Concrete Or Masonry Surface, Add	*0.08*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	1.15	0.40
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	2.50	0.40
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	3.30	0.81
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	3.74	1.01
26 05 33 23-0503	EA	Tee (Wiremold #2715)	5.37	1.82
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	4.14	1.21
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	4.13	1.21
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	4.94	1.41
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	4.34	1.01
		For Concrete Or Masonry Surface, Add	*0.10*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	1.71	0.61
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	3.09	0.61
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	3.90	1.01
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	4.79	1.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	5.46	1.41
26 05 33 23-0514	EA	Tee (Wiremold #2815)	6.41	2.21
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	5.16	1.62
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	5.19	1.62
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	7.32	2.21
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	5.98	1.62
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	5.86	1.62
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	5.85	1.82
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	5.35	1.62

26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)

(26 05 33 23-0443)

26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	5.34	1.21
		For Concrete Or Masonry Surface, Add	*0.12*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	2.24	0.81
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	3.64	0.81
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	4.44	1.21
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	5.26	1.62
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	6.33	1.62
26 05 33 23-0529	EA	Radiused Tee (Wiremold #2915FO)	7.97	2.42
26 05 33 23-0530	EA	Tee (Wiremold #2915)	6.88	2.42
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	5.67	1.82
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	6.78	1.82
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	5.65	1.82
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	7.09	1.82
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	5.84	1.82
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	6.49	2.02
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	6.12	2.02

26 05 33 23-0538 Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*

Note: Exposed on flat wall surface. (Wiremold or approved equal).

26 05 33 23-0539 5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) *(26 05 33 23-0538)*

26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	8.41	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	7.68	1.82
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	20.09	1.82
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	15.19	1.82
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.28	0.20
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.50	0.20
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.39	0.20
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	6.55	2.02
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	4.10	1.01
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	5.97	1.21
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	7.59	2.02
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	6.64	2.02
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	8.59	2.02
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	14.22	4.03
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	15.22	4.03
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	11.19	3.83
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	26.16	6.25
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	15.61	5.04
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	15.88	4.03
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	9.96	3.02
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	15.54	5.04
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	16.15	4.03
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	6.38	2.02

26 05 33 23-0563 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) *(26 05 33 23-0538)*

26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	10.45	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.40	0.20
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.18	0.20
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	2.74	1.01
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	6.66	1.21
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	4.82	1.21
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	3.78	1.21
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	40.62	6.25
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	16.57	3.83
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	38.12	6.25
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	37.37	5.04
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	41.28	6.25
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	44.45	6.25
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	29.66	6.25
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	30.46	6.25
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	31.19	6.25
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	18.55	2.02
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	27.19	2.02
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	12.17	2.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	32.67	6.25
26 05 33 23-0584		6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	13.95	1.82
		For Concrete Or Masonry Surface, Add	*0.18*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	6.73	0.20
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	3.72	1.01
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	7.60	1.21
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	4.10	1.21
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	6.79	1.21
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	6.83	1.21
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	6.89	1.21
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	6.89	1.21
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	6.77	1.21
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	6.80	1.21
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	6.72	1.21
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	6.74	1.21
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	6.83	1.21
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	6.60	1.21
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	22.05	2.02
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	32.19	2.02
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	18.32	3.83
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	43.93	6.25
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	42.40	5.04
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	30.43	5.04
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	47.19	6.25
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	33.31	6.25
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	34.70	6.25
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	37.62	6.25
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	31.91	6.25
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	50.86	6.25
26 05 33 23-0612		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	648.39	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	485.68	

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001		Cable Trays *(26 05 36)* Note: Excludes supporting hangers.		
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*		
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.68	4.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.81*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.42	4.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.06*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.77	4.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.37*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.07	5.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.87*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.48	5.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.40*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.29	6.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.51*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	67.20	7.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.13*	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.28	4.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.58*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.99	4.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.83*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.82	4.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.98*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.87	5.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.37*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.63	5.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.31	6.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.43*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.76	6.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.82*	
26 05 36 00-0020		**9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray** *(26 05 36 00-0003)*		
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.95	4.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.45*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	28.66	4.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.51*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.24	4.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.85*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.97	4.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.20*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.95	4.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.59*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.66	5.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.93*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.68	5.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.19*	
26 05 36 00-0028		**12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray** *(26 05 36 00-0003)*		
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.23	3.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.40*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.82	4.02
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.45*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.53	4.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.60*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.41	4.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.77*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.37	4.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.97*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.28	4.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.34	5.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.51*	
26 05 36 00-0036		**18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray** *(26 05 36 00-0003)*		
26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.95	3.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.37*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.38	3.93
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.41*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.10	4.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.56*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.63	4.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.70*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.28	4.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.76*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.03	4.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.91*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.34	4.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.02*	
26 05 36 00-0044		**4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-0002)*		
26 05 36 00-0045		**12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.89	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.00*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.75	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.57*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.26	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.28*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.75	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.98*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.97	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.36*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.19	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.93	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.48*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	351.42	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.30*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.34	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.72*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.78	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.27*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.75	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.78*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.49	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.08*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.18	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.99*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.28	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.24*	

26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.45	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.43*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.97	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.75*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.86	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.79*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.30	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.99*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	576.07	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.93*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.67	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.54*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	761.02	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.73*	

26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	157.01	32.10
		For 60 Degree Bend, Deduct	*-39.51*	
		For 30 Degree Bend, Deduct	*-67.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.03*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	171.89	38.51
		For 60 Degree Bend, Deduct	*-41.97*	
		For 30 Degree Bend, Deduct	*-72.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.98*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.57	44.16
		For 60 Degree Bend, Deduct	*-44.31*	
		For 30 Degree Bend, Deduct	*-76.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.88*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.32	55.82
		For 60 Degree Bend, Deduct	*-48.34*	
		For 30 Degree Bend, Deduct	*-83.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.48*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.05	68.36
		For 60 Degree Bend, Deduct	*-61.59*	
		For 30 Degree Bend, Deduct	*-106.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.17	78.47
		For 60 Degree Bend, Deduct	*-77.22*	
		For 30 Degree Bend, Deduct	*-133.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.98*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.36	92.12
		For 60 Degree Bend, Deduct	*-82.28*	
		For 30 Degree Bend, Deduct	*-142.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.96*	

26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	186.15	33.12
		For 60 Degree Bend, Deduct	*-48.74*	
		For 30 Degree Bend, Deduct	*-83.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.86*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.98	39.92
		For 60 Degree Bend, Deduct	*-52.67*	
		For 30 Degree Bend, Deduct	*-90.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.27*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	233.16	46.10
		For 60 Degree Bend, Deduct	*-59.27*	
		For 30 Degree Bend, Deduct	*-101.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.47*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.69	58.87
		For 60 Degree Bend, Deduct	*-62.80*	
		For 30 Degree Bend, Deduct	*-107.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.96*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.22	73.13
		For 60 Degree Bend, Deduct	*-76.32*	
		For 30 Degree Bend, Deduct	*-131.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.53*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.75	84.83
		For 60 Degree Bend, Deduct	*-90.82*	
		For 30 Degree Bend, Deduct	*-156.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.31*	
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.48	101.00
		For 60 Degree Bend, Deduct	*-104.67*	
		For 30 Degree Bend, Deduct	*-180.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.03*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.96	34.18
		For 60 Degree Bend, Deduct	*-67.74*	
		For 30 Degree Bend, Deduct	*-114.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.65*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.76	41.51
		For 60 Degree Bend, Deduct	*-72.45*	
		For 30 Degree Bend, Deduct	*-123.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.32*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.10	48.18
		For 60 Degree Bend, Deduct	*-74.96*	
		For 30 Degree Bend, Deduct	*-127.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.30*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.67	62.36
		For 60 Degree Bend, Deduct	*-82.90*	
		For 30 Degree Bend, Deduct	*-141.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.17*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.20	78.47
		For 60 Degree Bend, Deduct	*-89.77*	
		For 30 Degree Bend, Deduct	*-153.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.78*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.54	92.12
		For 60 Degree Bend, Deduct	*-114.35*	
		For 30 Degree Bend, Deduct	*-195.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.65	111.50
		For 60 Degree Bend, Deduct	*-128.74*	
		For 30 Degree Bend, Deduct	*-220.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.67*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.70	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.09*	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.97	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.47	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.00*	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.02	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.81*	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.44	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.40*	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.92	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.73*	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.30	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.53*	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.79	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.04*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.99	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.18*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.23	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.62*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.16	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.12*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.87	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.42*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.07	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.88*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.30	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.74*	

26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.35	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.32*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.37	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.09*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.17	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.02*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.43	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.00*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.94	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.52*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.07	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.58*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.36	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.76*	

26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.23	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.36*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.04	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.93*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.65	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.84*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.98	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.97*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.28	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.82*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	686.57	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.26*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.82	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.91*	

26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.51	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.87*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	599.87	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.57*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.91	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.56*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.67	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.06*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	746.54	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.61*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	808.21	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.05*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.60	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.96*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	784.27	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.01*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	825.38	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.25*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.76	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.07*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	954.48	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.41*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,079.89	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.39*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,174.30	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.83*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,290.01	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.95*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	578.08	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.27*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.15	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.92*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.48	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.51	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.97*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	631.28	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.10*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.84	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.90	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.99*	
26 05 36 00-0149		24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.58	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.89*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.19	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.36*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	985.31	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.85*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,023.59	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.94*	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,055.48	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.72*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,098.47	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.04*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.42	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.20*	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,664.06	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.73*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,690.60	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.04*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,718.04	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.39*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,755.23	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.23*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,785.07	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.70*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,868.63	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.82*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,919.50	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.35*	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.28	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.40*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.20	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.43*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.81	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.08*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.95	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.20*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	690.51	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.28*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.40	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	880.05	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.41*	
26 05 36 00-0173		**24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	827.76	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.97*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.20	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.52*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	891.70	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.13*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.45	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.18*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,033.06	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.71*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,106.55	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.94*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,262.55	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.21*	
26 05 36 00-0181		**36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.57	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.32*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,157.39	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.97*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,213.29	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.73*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,331.24	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.53*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,497.95	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.75*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,627.83	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.15*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,766.08	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.96*	
26 05 36 00-0189		**12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.82	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.05*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.86	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.79*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.51	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.85*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.64	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.56*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.31	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.76*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,042.93	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.68*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,153.38	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.76*	
26 05 36 00-0197		**24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,112.01	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.40*	

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26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,152.28	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.83*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,193.61	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.32*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,270.78	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.31*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,375.58	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.96*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,472.01	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.48*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,686.28	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.58*	

26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,500.81	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.04*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,572.29	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.46*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,645.84	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.98*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,807.94	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.20*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,027.61	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.71*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,201.63	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-202.53*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,384.02	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-218.76*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.88	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.10*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	207.22	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.52*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	226.93	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.05*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.78	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.08*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.38	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.10*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	404.33	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.07*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.83	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.47*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.18	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.38*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.90	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.68*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.83	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.48	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.26*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.90	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.22*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.36	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.71*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.51	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.96*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.99	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.09*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.09	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.17*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.88	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.99*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.38	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.50*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.71	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.89*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.23	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.29*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.95	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.82*	

26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	142.22	32.10
		For 60 Degree Bend, Deduct	*-34.63*	
		For 30 Degree Bend, Deduct	*-59.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.55*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	156.50	38.51
		For 60 Degree Bend, Deduct	*-36.89*	
		For 30 Degree Bend, Deduct	*-63.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.44*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	169.57	44.16
		For 60 Degree Bend, Deduct	*-39.03*	
		For 30 Degree Bend, Deduct	*-67.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.28*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	194.42	55.82
		For 60 Degree Bend, Deduct	*-42.77*	
		For 30 Degree Bend, Deduct	*-74.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.79*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.32	68.36
		For 60 Degree Bend, Deduct	*-54.42*	
		For 30 Degree Bend, Deduct	*-94.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.74*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.40	78.47
		For 60 Degree Bend, Deduct	*-68.06*	
		For 30 Degree Bend, Deduct	*-117.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.20*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.39	92.12
		For 60 Degree Bend, Deduct	*-72.72*	
		For 30 Degree Bend, Deduct	*-126.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.06*	

26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	167.44	33.12
		For 60 Degree Bend, Deduct	*-42.57*	
		For 30 Degree Bend, Deduct	*-72.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	186.06	39.92
		For 60 Degree Bend, Deduct	*-46.09*	
		For 30 Degree Bend, Deduct	*-79.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.28*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.83	46.10
		For 60 Degree Bend, Deduct	*-51.90*	
		For 30 Degree Bend, Deduct	*-89.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.24*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.75	58.87
		For 60 Degree Bend, Deduct	*-55.23*	
		For 30 Degree Bend, Deduct	*-95.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.67*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.45	73.13
		For 60 Degree Bend, Deduct	*-67.16*	
		For 30 Degree Bend, Deduct	*-116.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.75*	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.55	84.83
		For 60 Degree Bend, Deduct	*-79.87*	
		For 30 Degree Bend, Deduct	*-137.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.99*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.45	101.00
		For 60 Degree Bend, Deduct	*-92.12*	
		For 30 Degree Bend, Deduct	*-159.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.23*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.10	34.18
		For 60 Degree Bend, Deduct	*-58.88*	
		For 30 Degree Bend, Deduct	*-100.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.96*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.39	41.51
		For 60 Degree Bend, Deduct	*-63.09*	
		For 30 Degree Bend, Deduct	*-107.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.48*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	254.13	48.18
		For 60 Degree Bend, Deduct	*-65.40*	
		For 30 Degree Bend, Deduct	*-111.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.40*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	292.28	62.36
		For 60 Degree Bend, Deduct	*-72.54*	
		For 30 Degree Bend, Deduct	*-124.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.03*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.00	78.47
		For 60 Degree Bend, Deduct	*-78.81*	
		For 30 Degree Bend, Deduct	*-135.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.46*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.68	92.12
		For 60 Degree Bend, Deduct	*-100.21*	
		For 30 Degree Bend, Deduct	*-172.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.39*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.97	111.50
		For 60 Degree Bend, Deduct	*-113.00*	
		For 30 Degree Bend, Deduct	*-194.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.90*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.58	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.78*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.54	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.65*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.58	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.61*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.53	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	304.35	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.89*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.62	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.10*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.40	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.84*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.23	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.18*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.97	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.28*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.46	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.34	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.04*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.99	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.23*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.98	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.57*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.34	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.14*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.30	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.82*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.41	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.49*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.91	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.39*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.06	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.17*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.27	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.65*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	551.48	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.32*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.65	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.29*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.01	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.33*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.31	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.75*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.71	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.55*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.72	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.34*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.49	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.74*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.75	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.58*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.17	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0294		24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.82	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.70*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.67	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.25*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.50	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.12*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.55	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.35*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.10	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.57*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	764.15	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.65*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.16	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.32*	
26 05 36 00-0302		36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.88	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.27*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.18	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.33*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.25	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.82*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	898.04	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.76*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,016.21	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.02*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,104.89	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.89*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,215.47	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.50*	
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.67	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.83*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.45	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.45*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	561.47	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.08*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.90	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.41*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.06	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.48*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	640.21	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.19*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.76	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.97*	
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	887.41	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.67*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.12	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	921.33	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.46*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.80	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.37*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	987.88	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.96*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,029.06	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.10*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,089.99	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.96*	

26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,547.87	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.11*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,572.90	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.27*	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,598.83	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.47*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,634.50	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.16*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,662.84	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.48*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,741.88	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.15*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,791.24	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.52*	

26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.23	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.89*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.94	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.80*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.14	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.21*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.56	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.06*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.50	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.78*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.45	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.94*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.27	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.73*	

26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.17	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.11*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.10	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.51*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	840.10	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.97*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	894.52	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.68*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.51	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,044.07	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.69*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.12	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.97*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,035.66	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.53*	
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,086.47	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.88*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,139.34	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.33*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,249.76	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.38*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,407.41	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.69*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,529.74	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.34*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,660.45	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.40*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.50	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.42*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.79	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.98*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.94	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.69*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.13	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.01*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.55	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.69*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	982.11	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.60*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,085.55	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.98*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.56	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.35*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,079.63	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.57*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,118.78	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.84*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,191.13	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.34*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,290.68	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.47*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,381.43	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.42*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,581.25	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.08*	

26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,402.35	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.20*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,469.45	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.18*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,538.63	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.26*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,689.78	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.38*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,896.33	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.59*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,059.40	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.30*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,230.86	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-203.44*	

26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.87	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.20*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	186.70	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.47*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.60	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.81*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.80	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.18*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.78	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.84*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.48	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.79*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.73	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.46*	

26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	272.95	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.46*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.46	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.63*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.88	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.88*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.21	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.73*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.31	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.36*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.55	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.43*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.73	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.68*	

26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.53	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.74*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.22	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.89	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.19*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.45	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.00*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	455.35	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.80	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.05*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.88	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.91*	

26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	127.43	32.10
		For 60 Degree Bend, Deduct	*-29.75*	
		For 30 Degree Bend, Deduct	*-51.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.07*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	141.11	38.51
		For 60 Degree Bend, Deduct	*-31.81*	
		For 30 Degree Bend, Deduct	*-55.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.90*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	153.58	44.16
		For 60 Degree Bend, Deduct	*-33.75*	
		For 30 Degree Bend, Deduct	*-58.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.68*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	177.51	55.82
		For 60 Degree Bend, Deduct	*-37.19*	
		For 30 Degree Bend, Deduct	*-65.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.10*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	222.59	68.36
		For 60 Degree Bend, Deduct	*-47.25*	
		For 30 Degree Bend, Deduct	*-82.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.56*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.64	78.47
		For 60 Degree Bend, Deduct	*-58.89*	
		For 30 Degree Bend, Deduct	*-102.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.42*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.41	92.12
		For 60 Degree Bend, Deduct	*-63.16*	
		For 30 Degree Bend, Deduct	*-110.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.16*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	148.73	33.12
		For 60 Degree Bend, Deduct	*-36.39*	
		For 30 Degree Bend, Deduct	*-62.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.11*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.14	39.92
		For 60 Degree Bend, Deduct	*-39.52*	
		For 30 Degree Bend, Deduct	*-68.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.29*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.50	46.10
		For 60 Degree Bend, Deduct	*-44.53*	
		For 30 Degree Bend, Deduct	*-76.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.01*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	212.81	58.87
		For 60 Degree Bend, Deduct	*-47.66*	
		For 30 Degree Bend, Deduct	*-82.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.37*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.69	73.13
		For 60 Degree Bend, Deduct	*-58.00*	
		For 30 Degree Bend, Deduct	*-100.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.35	84.83
		For 60 Degree Bend, Deduct	*-68.91*	
		For 30 Degree Bend, Deduct	*-119.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.67*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.42	101.00
		For 60 Degree Bend, Deduct	*-79.57*	
		For 30 Degree Bend, Deduct	*-138.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.43*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	191.24	34.18
		For 60 Degree Bend, Deduct	*-50.01*	
		For 30 Degree Bend, Deduct	*-85.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.28*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.02	41.51
		For 60 Degree Bend, Deduct	*-53.73*	
		For 30 Degree Bend, Deduct	*-91.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.64*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.15	48.18
		For 60 Degree Bend, Deduct	*-55.83*	
		For 30 Degree Bend, Deduct	*-95.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.50*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.90	62.36
		For 60 Degree Bend, Deduct	*-62.19*	
		For 30 Degree Bend, Deduct	*-107.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.89*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.80	78.47
		For 60 Degree Bend, Deduct	*-67.86*	
		For 30 Degree Bend, Deduct	*-117.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.14*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.83	92.12
		For 60 Degree Bend, Deduct	*-86.07*	
		For 30 Degree Bend, Deduct	*-148.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.11*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.28	111.50
		For 60 Degree Bend, Deduct	*-97.26*	
		For 30 Degree Bend, Deduct	*-168.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.14*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.88	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.81*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.39	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.63*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.76	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.53*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.80	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.18*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.71	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.63*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.17	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.66*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.05	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.30*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.39	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.40*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	278.45	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.81	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.67*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.10	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.92*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.17	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.95*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	391.35	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.11*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.41	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.25*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.72	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.06*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.48	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.60*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.53	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.46*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.50	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.91*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.26	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.35*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.59	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.43*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.59	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.08*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.57	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.29*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.85	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.41*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.84	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.96*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.21	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.09*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.93	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.59*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	576.11	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.22*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	651.88	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.42*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.44	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.37*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.27	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.61*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.69	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.24*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.31	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.93*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.21	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.02	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.83*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	836.29	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.03*	
26 05 36 00-0471		**36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.12	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.80*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.80	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.49*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.22	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.32*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.17	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.48*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	888.85	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.28*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	966.06	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.01*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.38	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.59*	
26 05 36 00-0479		**12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.86	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.95*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.03	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.51*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.45	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.08*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.68	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.29*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.63	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.24*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.95	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.46*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.49	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.94*	
26 05 36 00-0487		**24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	763.07	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.24*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.96	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.44*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	793.37	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.66*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.22	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.21*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.67	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.44*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	890.23	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.22*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.12	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.47*	
26 05 36 00-0495		**36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0382)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,315.48	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.87*	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,337.49	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.73*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,360.40	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.63*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,393.06	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.01*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,418.38	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.03*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,488.36	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.80*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,534.70	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.87*	

26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.13	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.43	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.55*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.80	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.48*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.78	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.78*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.48	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.78*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	671.55	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.55*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	739.71	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.38*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.99	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.39*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.90	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.49*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.88	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.65*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	784.67	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.70*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.41	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.15*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	919.13	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.19*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,045.25	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.48*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	899.85	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.95*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	944.62	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.69*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	991.46	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,086.78	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.08*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,226.33	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.59*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,333.57	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.72*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,449.19	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.27*	

26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.86	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.15*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.64	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.37*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.79	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.38*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.11	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.91*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	743.02	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.53*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	860.45	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.44*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.89	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.41*	

26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	900.64	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.26*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	934.35	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.04*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	969.12	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.87*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,031.84	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.41*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,120.89	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.49*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,200.26	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.31*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,371.20	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.07*	

26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,205.43	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.50*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,263.78	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.61*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,324.20	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.82*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,453.47	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.75*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,633.76	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.33*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,774.96	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,924.53	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.81*	

26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.21	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.53*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.52	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.75*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.78	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.03*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.66	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.17*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.37	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.70*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.48	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.29*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.20	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.71*	

26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.22	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.08*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.30	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.22*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	293.20	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.41*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.37	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.14*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.30	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.66*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.06	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.58*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.76	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.48*	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.32	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.22*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.16	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.97*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.10	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.51*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.22	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.08*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.22	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.74*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	513.45	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.51*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.20	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.14*	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	122.26	32.10
		For 60 Degree Bend, Deduct	*-28.04*	
		For 30 Degree Bend, Deduct	*-48.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.55*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	135.72	38.51
		For 60 Degree Bend, Deduct	*-30.03*	
		For 30 Degree Bend, Deduct	*-52.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.36*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	147.98	44.16
		For 60 Degree Bend, Deduct	*-31.91*	
		For 30 Degree Bend, Deduct	*-55.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.12*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	171.60	55.82
		For 60 Degree Bend, Deduct	*-35.24*	
		For 30 Degree Bend, Deduct	*-61.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.51*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	214.98	68.36
		For 60 Degree Bend, Deduct	*-44.74*	
		For 30 Degree Bend, Deduct	*-78.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.80*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.92	78.47
		For 60 Degree Bend, Deduct	*-55.69*	
		For 30 Degree Bend, Deduct	*-97.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.45*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.27	92.12
		For 60 Degree Bend, Deduct	*-59.81*	
		For 30 Degree Bend, Deduct	*-104.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.15*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	142.18	33.12
		For 60 Degree Bend, Deduct	*-34.23*	
		For 30 Degree Bend, Deduct	*-58.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.46*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	159.17	39.92
		For 60 Degree Bend, Deduct	*-37.22*	
		For 30 Degree Bend, Deduct	*-64.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.59*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	180.68	46.10
		For 60 Degree Bend, Deduct	*-41.95*	
		For 30 Degree Bend, Deduct	*-72.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.23*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.79	58.87
		For 60 Degree Bend, Deduct	*-45.01*	
		For 30 Degree Bend, Deduct	*-78.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.57*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.97	73.13
		For 60 Degree Bend, Deduct	*-54.79*	
		For 30 Degree Bend, Deduct	*-95.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.00*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.73	84.83
		For 60 Degree Bend, Deduct	*-65.08*	
		For 30 Degree Bend, Deduct	*-113.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.51*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.12	101.00
		For 60 Degree Bend, Deduct	*-75.18*	
		For 30 Degree Bend, Deduct	*-130.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.10*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.84	34.18
		For 60 Degree Bend, Deduct	*-46.91*	
		For 30 Degree Bend, Deduct	*-80.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	201.09	41.51
		For 60 Degree Bend, Deduct	*-50.45*	
		For 30 Degree Bend, Deduct	*-86.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.65*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.01	48.18
		For 60 Degree Bend, Deduct	*-52.49*	
		For 30 Degree Bend, Deduct	*-90.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.49*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.91	62.36
		For 60 Degree Bend, Deduct	*-58.56*	
		For 30 Degree Bend, Deduct	*-101.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.79*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.18	78.47
		For 60 Degree Bend, Deduct	*-64.02*	
		For 30 Degree Bend, Deduct	*-111.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.98*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.83	92.12
		For 60 Degree Bend, Deduct	*-81.12*	
		For 30 Degree Bend, Deduct	*-140.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.61*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.59	111.50
		For 60 Degree Bend, Deduct	*-91.76*	
		For 30 Degree Bend, Deduct	*-159.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.47*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.69	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.89*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.99	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.69*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	222.04	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.56*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.66	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.17*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.15	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.57*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.76	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.52*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.22	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.12*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.40	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.10*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.15	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.10*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.97	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.29*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.53	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.46*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	344.85	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.42*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.19	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.50*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.24	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.43*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.19	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.31*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.31	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.78*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.15	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.62*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.64	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.92*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.19	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.34*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.77	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.15*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.30	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.65*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.35	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.27*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.12	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.90	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.67*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.95	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.46*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.14	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.51*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.29	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.53*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.23	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.25*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.75	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.20*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.07	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.29*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.29	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.80*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.18	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.21*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.77	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.44*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	631.96	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.43*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.85	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.39*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.73	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.06*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.60	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.57*	
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	668.71	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.73	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.83*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	825.17	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.91*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	896.65	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.07*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	991.83	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.14*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.46	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.51*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.32	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.03*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.44	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.58*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.06	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.73*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.42	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.62*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.31	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.60*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.35	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.93*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.90	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.02*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	714.89	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.13*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	729.39	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.26*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.42	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.63*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	785.07	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.68*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	820.82	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.28*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	872.69	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.23*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,199.29	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.25*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,219.79	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.96*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,241.19	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.70*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,272.34	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.94*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,296.15	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.81*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,361.61	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,406.44	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.04*	
26 05 36 00-0672		**12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.09	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.38*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.17	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.92*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.13	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.61*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.40	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.64*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.47	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.28*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.60	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.36*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.93	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.70*	
26 05 36 00-0680		**24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.40	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.54*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.80	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.48*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.27	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.49*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	729.74	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.20*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.86	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.29*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.66	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.95*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.82	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.24*	
26 05 36 00-0688		**36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.95	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.16*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.70	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.60*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	917.52	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.15*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.30	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.93*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,135.79	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.53*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,235.49	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.91*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,343.56	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.71*	
26 05 36 00-0696		**12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.54	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.57	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.56*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	570.22	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.22*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.59	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.36*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.26	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.46*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.62	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.35*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	882.06	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.63*	

26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.19	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.21*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.70	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.77*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	894.28	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.39*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	952.20	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.45*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,035.99	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.00*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,109.67	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.25*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,266.17	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.57*	

26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,106.96	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.66*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.94	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.32*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,216.98	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.10*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,335.32	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.94*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,502.48	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.20*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,632.73	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.64*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,771.37	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.49*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	193.16	32.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.60*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	200.67	35.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.13*	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	209.75	40.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.58*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	223.38	47.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.41*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	236.20	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.20*	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	266.91	60.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	215.82	40.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.19*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	229.54	47.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.02*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	248.20	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.41*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	254.17	52.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.01*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	269.93	60.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.95*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	278.60	62.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.68*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	287.95	64.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.45*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	37.62	13.25
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	43.48	15.15
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	47.08	16.30
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	55.49	19.26
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	63.70	21.19
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	70.35	23.53
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	79.77	26.50
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	114.60	3.09
		For Class 12C Instead Of Class 12B, Add	*16.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.73*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	121.26	3.27
		For Class 12C Instead Of Class 12B, Add	*17.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.06*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	127.92	3.40
		For Class 12C Instead Of Class 12B, Add	*18.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.40*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	142.34	3.71
		For Class 12C Instead Of Class 12B, Add	*20.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.12*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	165.66	3.98
		For Class 12C Instead Of Class 12B, Add	*24.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.28*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	182.12	4.24
		For Class 12C Instead Of Class 12B, Add	*26.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.11*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	196.48	4.50
		For Class 12C Instead Of Class 12B, Add	*28.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.82*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	104.65	3.09
		For Class 12C Instead Of Class 12B, Add	*15.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.23*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	110.73	3.27
		For Class 12C Instead Of Class 12B, Add	*16.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.54*	
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	116.80	3.40
		For Class 12C Instead Of Class 12B, Add	*16.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.84*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	129.96	3.71
		For Class 12C Instead Of Class 12B, Add	*18.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.50*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	151.20	3.98
		For Class 12C Instead Of Class 12B, Add	*22.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	166.21	4.24
		For Class 12C Instead Of Class 12B, Add	*24.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.31*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	179.30	4.50
		For Class 12C Instead Of Class 12B, Add	*26.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.97*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	92.31	2.96
		For Class 12C Instead Of Class 12B, Add	*13.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.62*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	93.00	3.09
		For Class 12C Instead Of Class 12B, Add	*13.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.65*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	100.05	3.27
		For Class 12C Instead Of Class 12B, Add	*14.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.00*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	106.74	3.49
		For Class 12C Instead Of Class 12B, Add	*15.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.34*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	122.48	3.62
		For Class 12C Instead Of Class 12B, Add	*17.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.12*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	136.07	3.89
		For Class 12C Instead Of Class 12B, Add	*19.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.80*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	143.92	4.24
		For Class 12C Instead Of Class 12B, Add	*20.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.20*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	90.67	2.87
		For Class 12C Instead Of Class 12B, Add	*13.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.53*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	91.34	2.96
		For Class 12C Instead Of Class 12B, Add	*13.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.57*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	94.54	3.14
		For Class 12C Instead Of Class 12B, Add	*13.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.73*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	100.18	3.31
		For Class 12C Instead Of Class 12B, Add	*14.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.01*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	110.93	3.36
		For Class 12C Instead Of Class 12B, Add	*16.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.55*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	118.74	3.71
		For Class 12C Instead Of Class 12B, Add	*17.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.94*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	125.08	4.02
		For Class 12C Instead Of Class 12B, Add	*18.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.25*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	90.06	2.79
		For Class 12C Instead Of Class 12B, Add	*13.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.50*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	89.26	2.92
		For Class 12C Instead Of Class 12B, Add	*12.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.46*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	94.32	3.01
		For Class 12C Instead Of Class 12B, Add	*13.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	99.43	3.18
		For Class 12C Instead Of Class 12B, Add	*14.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.97*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	106.79	3.22
		For Class 12C Instead Of Class 12B, Add	*15.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.34*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	110.67	3.53
		For Class 12C Instead Of Class 12B, Add	*16.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.53*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	116.09	3.85
		For Class 12C Instead Of Class 12B, Add	*16.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.80*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	233.43	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.67*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	247.77	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.39*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	286.92	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.35*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	332.17	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.61*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.58	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.08*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	434.14	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.71*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	515.80	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.79*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	359.68	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.98*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	383.27	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.16*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	407.29	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.36*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	457.29	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.86*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	509.12	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.46*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	562.59	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.13*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	638.49	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.92*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	391.41	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.57*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	412.12	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.61*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	459.60	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.98*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	530.90	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.55*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	606.18	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.31*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	673.73	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	777.35	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.87*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	158.57	32.10
		For 60 Degree Bend, Deduct	*-40.03*	
		For 30 Degree Bend, Deduct	*-68.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.93*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	173.27	38.51
		For 60 Degree Bend, Deduct	*-42.42*	
		For 30 Degree Bend, Deduct	*-72.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.66*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	186.76	44.16
		For 60 Degree Bend, Deduct	*-44.70*	
		For 30 Degree Bend, Deduct	*-76.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.34*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	226.37	55.82
		For 60 Degree Bend, Deduct	*-53.31*	
		For 30 Degree Bend, Deduct	*-91.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.32*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	279.64	68.36
		For 60 Degree Bend, Deduct	*-66.08*	
		For 30 Degree Bend, Deduct	*-113.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.98*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	320.75	78.47
		For 60 Degree Bend, Deduct	*-75.76*	
		For 30 Degree Bend, Deduct	*-130.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.04*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.58	92.12
		For 60 Degree Bend, Deduct	*-80.70*	
		For 30 Degree Bend, Deduct	*-139.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.58*	

26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	196.62	33.12
		For 60 Degree Bend, Deduct	*-52.20*	
		For 30 Degree Bend, Deduct	*-88.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.83*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	224.16	39.92
		For 60 Degree Bend, Deduct	*-58.67*	
		For 30 Degree Bend, Deduct	*-100.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.21*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	238.48	46.10
		For 60 Degree Bend, Deduct	*-61.03*	
		For 30 Degree Bend, Deduct	*-104.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.92*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	271.91	58.87
		For 60 Degree Bend, Deduct	*-67.16*	
		For 30 Degree Bend, Deduct	*-115.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.60*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	323.93	73.13
		For 60 Degree Bend, Deduct	*-78.87*	
		For 30 Degree Bend, Deduct	*-135.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.20*	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	383.84	84.83
		For 60 Degree Bend, Deduct	*-94.15*	
		For 30 Degree Bend, Deduct	*-161.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.19*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	422.90	101.00
		For 60 Degree Bend, Deduct	*-100.85*	
		For 30 Degree Bend, Deduct	*-173.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.15*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	246.88	34.18
		For 60 Degree Bend, Deduct	*-68.37*	
		For 30 Degree Bend, Deduct	*-115.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	263.16	41.51
		For 60 Degree Bend, Deduct	*-70.93*	
		For 30 Degree Bend, Deduct	*-120.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	278.32	48.18
		For 60 Degree Bend, Deduct	*-73.38*	
		For 30 Degree Bend, Deduct	*-124.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.92*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	322.19	62.36
		For 60 Degree Bend, Deduct	*-82.41*	
		For 30 Degree Bend, Deduct	*-140.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.11*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	397.54	78.47
		For 60 Degree Bend, Deduct	*-101.10*	
		For 30 Degree Bend, Deduct	*-172.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.88*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	436.45	92.12
		For 60 Degree Bend, Deduct	*-108.71*	
		For 30 Degree Bend, Deduct	*-186.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.82*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	497.04	111.50
		For 60 Degree Bend, Deduct	*-121.28*	
		For 30 Degree Bend, Deduct	*-208.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	272.06	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.60*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	293.37	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.67*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	305.82	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.29*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	334.05	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.70*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	361.74	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.09*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	388.96	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.45*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	417.02	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.85*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	291.48	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.57*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	312.04	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.60*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	327.26	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.36*	
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	363.62	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.18*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	397.55	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.88*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.10	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.56*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	474.53	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.73*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	412.20	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.61*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	432.12	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	464.80	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.24*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	506.08	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.30*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	543.25	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.16*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	595.21	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.76*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	644.13	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.21*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.27	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.51*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	397.47	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.87*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	408.15	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.41*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	473.10	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.66*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	522.57	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.13*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	586.93	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.35*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	689.47	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.47*	

26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	543.83	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.19*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	581.09	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.05*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	600.69	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.03*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	657.67	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.88*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	723.66	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.18*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	787.04	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.35*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,116.28	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.81*	

26 05 36 00-0875 36" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	719.94	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.00*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	752.52	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.63*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	815.28	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.76*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	873.77	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.69*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	972.57	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.63*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,183.82	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.19*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,334.16	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0883		**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	644.93	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.25*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	665.09	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.25*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	674.24	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.71*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	697.69	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.88*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	749.64	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.48*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	777.07	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.85*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	815.28	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.76*	
26 05 36 00-0891		**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,011.98	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.60*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.08	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.45*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,046.69	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.33*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,087.70	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.39*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,118.57	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.93*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,160.53	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.03*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,271.55	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.58*	
26 05 36 00-0899		**36" Radius Vertical Tee** *(26 05 36 00-0786)*		
26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,809.80	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.49*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,838.22	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.91*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,867.55	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.38*	
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,906.66	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.33*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,938.39	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.92*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,027.61	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-191.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.38*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,080.36	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.02*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	495.62	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.78*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	538.61	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.93*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	552.60	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	639.47	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.97*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	681.96	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.10*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	777.43	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.87*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	928.64	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.43*	

26 05 36 00-0915 24" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	807.78	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.39*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	838.36	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.92*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	870.02	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.50*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	918.38	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.92*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,014.95	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.75*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.16	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.31*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,258.63	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.93*	

26 05 36 00-0923 36" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	941.32	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.07*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,020.07	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.00*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,083.81	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.19*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,120.03	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.00*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,371.68	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.58*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,516.05	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.80*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,687.57	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.38*	

26 05 36 00-0931 12" Radius Vertical Cross *(26 05 36 00-0786)*

26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	495.62	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.78*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	538.67	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.93*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	552.57	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.63*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	639.55	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.98*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	681.96	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.10*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	777.55	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.88*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	928.31	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	807.78	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.39*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	838.36	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.92*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	870.02	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.50*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	918.38	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.92*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,014.95	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.75*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,089.97	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.50*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,217.82	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.89*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,265.55	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.28*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,323.67	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.18*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,405.63	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.28*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,501.68	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.08*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,844.52	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.23*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,039.55	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.98*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,270.17	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-207.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*113.51*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	210.63	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.53*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	224.38	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.22*	
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	259.20	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.96*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	301.00	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.05*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	362.90	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.15*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	393.15	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.66*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	466.15	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.31*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	319.26	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.96*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	341.12	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.06*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	363.13	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.37	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.47*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	456.59	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.83*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	505.14	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.26*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	573.83	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.69*	

26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	346.96	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.35*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	366.51	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.33*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	408.79	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.44*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.75	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.69*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	541.52	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.08*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	602.71	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.14*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	695.95	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.80*	

26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	143.55	32.10
		For 60 Degree Bend, Deduct	*-35.07*	
		For 30 Degree Bend, Deduct	*-60.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.18*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	157.68	38.51
		For 60 Degree Bend, Deduct	*-37.28*	
		For 30 Degree Bend, Deduct	*-64.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.88*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	170.59	44.16
		For 60 Degree Bend, Deduct	*-39.37*	
		For 30 Degree Bend, Deduct	*-68.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.53*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	207.32	55.82
		For 60 Degree Bend, Deduct	*-47.02*	
		For 30 Degree Bend, Deduct	*-81.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.37*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	255.96	68.36
		For 60 Degree Bend, Deduct	*-58.26*	
		For 30 Degree Bend, Deduct	*-100.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.80*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	293.62	78.47
		For 60 Degree Bend, Deduct	*-66.81*	
		For 30 Degree Bend, Deduct	*-115.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.68*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.29	92.12
		For 60 Degree Bend, Deduct	*-71.37*	
		For 30 Degree Bend, Deduct	*-124.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.16*	

26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	176.41	33.12
		For 60 Degree Bend, Deduct	*-45.53*	
		For 30 Degree Bend, Deduct	*-77.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.82*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	201.65	39.92
		For 60 Degree Bend, Deduct	*-51.24*	
		For 30 Degree Bend, Deduct	*-87.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	215.39	46.10
		For 60 Degree Bend, Deduct	*-53.41*	
		For 30 Degree Bend, Deduct	*-91.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.77*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	247.08	58.87
		For 60 Degree Bend, Deduct	*-58.97*	
		For 30 Degree Bend, Deduct	*-101.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.35*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	295.06	73.13
		For 60 Degree Bend, Deduct	*-69.34*	
		For 30 Degree Bend, Deduct	*-119.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.75*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	349.20	84.83
		For 60 Degree Bend, Deduct	*-82.72*	
		For 30 Degree Bend, Deduct	*-142.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.46*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	386.52	101.00
		For 60 Degree Bend, Deduct	*-88.84*	
		For 30 Degree Bend, Deduct	*-153.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.33*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	219.75	34.18
		For 60 Degree Bend, Deduct	*-59.42*	
		For 30 Degree Bend, Deduct	*-100.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.99*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	235.44	41.51
		For 60 Degree Bend, Deduct	*-61.79*	
		For 30 Degree Bend, Deduct	*-105.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.77*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	250.03	48.18
		For 60 Degree Bend, Deduct	*-64.04*	
		For 30 Degree Bend, Deduct	*-109.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.50*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	291.02	62.36
		For 60 Degree Bend, Deduct	*-72.13*	
		For 30 Degree Bend, Deduct	*-123.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.55*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	359.44	78.47
		For 60 Degree Bend, Deduct	*-88.53*	
		For 30 Degree Bend, Deduct	*-151.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.97*	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	396.03	92.12
		For 60 Degree Bend, Deduct	*-95.37*	
		For 30 Degree Bend, Deduct	*-164.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.80*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	452.59	111.50
		For 60 Degree Bend, Deduct	*-106.61*	
		For 30 Degree Bend, Deduct	*-183.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.63*	
26 05 36 00-1004		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.18	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.81*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	276.63	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.83*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	288.79	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.44*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	316.44	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.82*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	343.27	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.16*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	369.62	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.48*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	397.10	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	274.30	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.72*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	294.14	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.71*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	308.93	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.45*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	344.28	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.21*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	377.06	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.85*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.45	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.47*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	451.44	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.57*	

26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	385.64	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.28*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	404.98	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.25*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	435.93	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.80*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	476.06	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.80*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	512.08	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.60*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	561.72	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.09*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	609.20	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.46*	

26 05 36 00-1028 12" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	352.67	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.63*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	378.71	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.94*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	389.10	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.46*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	450.30	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.52*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	497.46	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.87*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	557.78	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.89*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	654.54	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.73*	

26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	513.81	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.69*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	549.33	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.47*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	568.07	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	622.16	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.11*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	684.98	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.25*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	744.60	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.23*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,051.32	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.57*	

26 05 36 00-1044 36" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	677.50	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.88*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	708.93	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.45*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	767.65	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.38*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	823.54	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.18*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	917.14	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.86*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,113.68	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.68*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,256.22	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.81*	

26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.38	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.27*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	624.39	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.22*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	633.25	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.66*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	655.83	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.79*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	704.32	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.22*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.88	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.54*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	767.65	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.38*	

26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	945.01	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.25*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	961.25	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.06*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	977.99	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.90*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,016.98	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.85*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,046.11	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.31*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,086.34	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.32*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,190.73	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1068		**36" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,682.40	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.12*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,709.17	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.46*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,736.83	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.84*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,774.29	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.71*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,804.37	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.22*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,888.62	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.43*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,939.72	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.99*	
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	471.08	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.55*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	511.48	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.57*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.17	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.26*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.27	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.31*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	647.61	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.38*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	737.01	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.85*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	878.12	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.91*	
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	760.73	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.04*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	789.87	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.49*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	820.08	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.00*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	865.84	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.29*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	957.80	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.89*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,028.77	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.44*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,148.83	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.44*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	885.89	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.29*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	928.19	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.41*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	986.42	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.32*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,054.79	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,290.86	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.54*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,426.57	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.33*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,587.98	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.40*	

26 05 36 00-1100 12" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	471.08	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.55*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	511.54	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.58*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.14	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.26*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	606.35	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.32*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	647.61	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.38*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	737.13	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.86*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	877.79	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.89*	

26 05 36 00-1108 24" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	760.73	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.04*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	789.87	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.49*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	820.08	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.00*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	865.84	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.29*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	957.80	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.89*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,028.77	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.44*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,148.83	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.44*	

26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,185.18	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.26*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,239.96	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.00*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,316.89	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.84*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,407.08	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.35*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,727.32	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.37*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,909.80	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.49*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,125.77	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.29*	

26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	187.82	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.39*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	201.00	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.05*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	231.49	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.57*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	269.82	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.49*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	324.22	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.21*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	352.15	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.61*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	416.49	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.82*	

26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	278.85	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.94*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	298.98	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.95*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	318.96	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.95*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	361.45	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.07*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	404.05	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.20*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	447.70	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.39*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	509.17	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.46*	

26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	302.50	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.13*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	320.90	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.05*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	357.99	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.90*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	416.59	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.83*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	476.86	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.84*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	531.70	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.59*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	614.54	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.73*	

26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	128.54	32.10
		For 60 Degree Bend, Deduct	*-30.12*	
		For 30 Degree Bend, Deduct	*-51.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.43*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	142.09	38.51
		For 60 Degree Bend, Deduct	*-32.14*	
		For 30 Degree Bend, Deduct	*-55.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.10*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	154.43	44.16
		For 60 Degree Bend, Deduct	*-34.03*	
		For 30 Degree Bend, Deduct	*-59.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	188.27	55.82
		For 60 Degree Bend, Deduct	*-40.74*	
		For 30 Degree Bend, Deduct	*-71.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.41*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	232.29	68.36
		For 60 Degree Bend, Deduct	*-50.45*	
		For 30 Degree Bend, Deduct	*-87.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.61*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	266.48	78.47
		For 60 Degree Bend, Deduct	*-57.85*	
		For 30 Degree Bend, Deduct	*-100.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.32*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	295.00	92.12
		For 60 Degree Bend, Deduct	*-62.03*	
		For 30 Degree Bend, Deduct	*-108.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.75*	
26 05 36 00-1157		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	156.20	33.12
		For 60 Degree Bend, Deduct	*-38.86*	
		For 30 Degree Bend, Deduct	*-66.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.81*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	179.13	39.92
		For 60 Degree Bend, Deduct	*-43.81*	
		For 30 Degree Bend, Deduct	*-75.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.96*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	192.30	46.10
		For 60 Degree Bend, Deduct	*-45.79*	
		For 30 Degree Bend, Deduct	*-78.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.62*	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	222.26	58.87
		For 60 Degree Bend, Deduct	*-50.78*	
		For 30 Degree Bend, Deduct	*-87.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.11*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	266.19	73.13
		For 60 Degree Bend, Deduct	*-59.81*	
		For 30 Degree Bend, Deduct	*-103.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.31*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	314.56	84.83
		For 60 Degree Bend, Deduct	*-71.29*	
		For 30 Degree Bend, Deduct	*-123.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.73*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	350.15	101.00
		For 60 Degree Bend, Deduct	*-76.84*	
		For 30 Degree Bend, Deduct	*-133.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.51*	
26 05 36 00-1165		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	192.61	34.18
		For 60 Degree Bend, Deduct	*-50.47*	
		For 30 Degree Bend, Deduct	*-86.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.63*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	207.73	41.51
		For 60 Degree Bend, Deduct	*-52.64*	
		For 30 Degree Bend, Deduct	*-90.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.39*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	221.74	48.18
		For 60 Degree Bend, Deduct	*-54.71*	
		For 30 Degree Bend, Deduct	*-93.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.09*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	259.84	62.36
		For 60 Degree Bend, Deduct	*-61.84*	
		For 30 Degree Bend, Deduct	*-106.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.99*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	321.33	78.47
		For 60 Degree Bend, Deduct	*-75.95*	
		For 30 Degree Bend, Deduct	*-130.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	355.62	92.12
		For 60 Degree Bend, Deduct	*-82.04*	
		For 30 Degree Bend, Deduct	*-141.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.78*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	408.13	111.50
		For 60 Degree Bend, Deduct	*-91.94*	
		For 30 Degree Bend, Deduct	*-159.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.41*	
26 05 36 00-1173		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	232.37	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.62*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	251.52	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.58*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	263.24	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	290.03	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.50*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	315.56	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.78*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	340.61	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.03*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	367.22	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.36*	
26 05 36 00-1181		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	248.54	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.43*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	267.29	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.36*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	281.43	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.07*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	315.27	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.76*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	346.31	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.32*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	376.97	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.85*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	416.79	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.84*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	345.81	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.29*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	364.28	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.21*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	392.63	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.63*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	431.03	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.55*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	465.31	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.27*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	511.50	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.58*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	556.81	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.84*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	317.45	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.87*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	341.18	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.06*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	350.99	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.55*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	404.69	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.23*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	447.23	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.36*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	499.47	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.97*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	584.68	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.23*	

26 05 36 00-1205 24" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	453.77	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.69*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	485.83	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.29*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	502.84	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.14*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	551.15	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.56*	
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	607.62	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.38*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	659.73	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.99*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	921.42	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.07*	

26 05 36 00-1213 36" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	592.63	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.63*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	621.75	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.09*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	672.39	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.62*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	723.08	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.15*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	806.29	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.31*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	973.38	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.67*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,100.33	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.02*	

26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	526.29	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.31*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	542.98	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.15*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	551.27	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.56*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	572.12	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.61*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	613.68	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	638.51	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.93*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	672.39	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.62*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	811.07	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.55*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	825.57	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.28*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	840.58	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.03*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	875.53	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.78*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	901.20	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.06*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	937.97	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.90*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,029.07	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.45*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,427.59	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.38*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,451.05	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.55*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,475.41	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.77*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,509.55	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.48*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,536.32	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.82*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,610.65	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.53*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,658.44	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.92*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.01	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.10*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	457.21	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.86*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.33	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.52*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	539.88	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.99*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	578.91	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.95*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	656.19	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.81*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	777.09	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.85*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	666.62	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	692.87	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.64*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	720.20	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	760.77	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.04*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	843.48	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.17*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	906.38	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.32*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,010.85	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.54*	

26 05 36 00-1261 36" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	775.04	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.75*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	812.73	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.64*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	864.03	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.20*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	924.31	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.22*	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,129.20	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.46*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,247.59	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.38*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,388.80	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.44*	

26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.01	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.10*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	457.21	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.86*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.33	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.52*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	539.88	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.99*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	578.91	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.95*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	656.19	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.81*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	776.43	162.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.82*	

26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	666.62	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.33*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	692.87	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.64*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	720.20	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	760.77	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.04*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	843.48	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.17*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	906.38	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,010.85	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.54*	
26 05 36 00-1285		**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,024.45	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.22*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,072.53	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.63*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,139.42	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.97*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,217.89	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.89*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,492.92	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.65*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,650.28	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.51*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,836.95	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.85*	
26 05 36 00-1293		**12" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	179.84	44.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.99*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	192.82	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.64*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	221.79	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.09*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	258.91	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.95*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	310.68	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.53*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	337.81	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.89*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.12	100.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.96*	
26 05 36 00-1302		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	264.70	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.24*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	284.23	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.21*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	303.50	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.18*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	344.68	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.23*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	385.66	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.28*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	427.59	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.38*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	486.54	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.33*	
26 05 36 00-1310		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	286.95	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.35*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	304.93	55.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	340.21	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.01*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	396.59	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.83*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	454.23	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.71*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	506.85	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.34*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	586.05	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.30*	

26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	123.29	32.10
		For 60 Degree Bend, Deduct	*-28.38*	
		For 30 Degree Bend, Deduct	*-49.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.16*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	136.63	38.51
		For 60 Degree Bend, Deduct	*-30.33*	
		For 30 Degree Bend, Deduct	*-52.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.83*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	148.77	44.16
		For 60 Degree Bend, Deduct	*-32.17*	
		For 30 Degree Bend, Deduct	*-56.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.44*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	181.60	55.82
		For 60 Degree Bend, Deduct	*-38.54*	
		For 30 Degree Bend, Deduct	*-67.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.08*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	224.01	68.36
		For 60 Degree Bend, Deduct	*-47.72*	
		For 30 Degree Bend, Deduct	*-83.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.20*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.99	78.47
		For 60 Degree Bend, Deduct	*-54.72*	
		For 30 Degree Bend, Deduct	*-95.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.85*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	285.10	92.12
		For 60 Degree Bend, Deduct	*-58.77*	
		For 30 Degree Bend, Deduct	*-103.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.26*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	149.13	33.12
		For 60 Degree Bend, Deduct	*-36.52*	
		For 30 Degree Bend, Deduct	*-62.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.46*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	171.25	39.92
		For 60 Degree Bend, Deduct	*-41.21*	
		For 30 Degree Bend, Deduct	*-70.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.56*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	184.21	46.10
		For 60 Degree Bend, Deduct	*-43.12*	
		For 30 Degree Bend, Deduct	*-74.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.21*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	213.57	58.87
		For 60 Degree Bend, Deduct	*-47.91*	
		For 30 Degree Bend, Deduct	*-83.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.68*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	256.09	73.13
		For 60 Degree Bend, Deduct	*-56.48*	
		For 30 Degree Bend, Deduct	*-98.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.80*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	302.44	84.83
		For 60 Degree Bend, Deduct	*-67.29*	
		For 30 Degree Bend, Deduct	*-116.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	337.42	101.00
		For 60 Degree Bend, Deduct	*-72.64*	
		For 30 Degree Bend, Deduct	*-126.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.87*	

26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	183.12	34.18
		For 60 Degree Bend, Deduct	*-47.33*	
		For 30 Degree Bend, Deduct	*-80.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.16*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	198.03	41.51
		For 60 Degree Bend, Deduct	*-49.44*	
		For 30 Degree Bend, Deduct	*-84.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.90*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	211.84	48.18
		For 60 Degree Bend, Deduct	*-51.44*	
		For 30 Degree Bend, Deduct	*-88.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.59*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	248.93	62.36
		For 60 Degree Bend, Deduct	*-58.24*	
		For 30 Degree Bend, Deduct	*-100.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.45*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	307.99	78.47
		For 60 Degree Bend, Deduct	*-71.55*	
		For 30 Degree Bend, Deduct	*-123.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.40*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	341.47	92.12
		For 60 Degree Bend, Deduct	*-77.37*	
		For 30 Degree Bend, Deduct	*-134.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.07*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	392.58	111.50
		For 60 Degree Bend, Deduct	*-86.80*	
		For 30 Degree Bend, Deduct	*-150.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.63*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	216.49	44.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.82*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	234.77	50.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.74*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	246.21	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.31*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	272.42	68.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.62*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	297.08	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.85*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	321.27	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.06*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	347.30	100.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.37*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	231.36	46.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.57*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	249.40	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.47*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	263.10	58.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	295.93	73.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.80*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	325.82	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	355.32	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.77*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	393.70	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.69*	
26 05 36 00-1358		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	319.25	48.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.96*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	337.14	55.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.86*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	363.76	62.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.19*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	401.00	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.05*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	434.14	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.71*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	478.01	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.90*	
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.88	124.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.09*	
26 05 36 00-1366		**12" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	299.84	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.99*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	322.42	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.12*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	331.94	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.60*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	381.88	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.09*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.12	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.11*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	470.31	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.52*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	549.75	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.49*	
26 05 36 00-1374		**24" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	423.74	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.19*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	454.07	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.70*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	470.22	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.51*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	515.65	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.78*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	568.93	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.45*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	617.30	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.87*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	856.47	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.82*	
26 05 36 00-1382		**36" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	550.20	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	578.16	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.91*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	624.76	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.24*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	672.85	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.64*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	750.87	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.54*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	903.24	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.16*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,022.39	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.12*	

26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	486.74	78.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.34*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	502.28	81.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.11*	
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	510.28	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.51*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	530.26	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.51*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	568.36	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.42*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	592.32	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.62*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	624.76	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.24*	

26 05 36 00-1398 24" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	744.10	84.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.21*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	757.73	88.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.89*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	771.88	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.59*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	804.80	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.24*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	828.74	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.44*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	863.78	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.19*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	948.24	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.41*	

26 05 36 00-1406 36" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,300.18	92.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.01*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,321.99	96.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.10*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,344.70	101.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.24*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,377.18	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.86*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,402.30	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.12*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,471.67	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,517.80	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.89*	

26 05 36 00-1414 12" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	397.47	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.87*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	430.07	111.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.50*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	442.90	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.15*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	506.68	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.33*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	544.55	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.23*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	615.77	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.79*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	726.57	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.33*	

26 05 36 00-1422 24" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	619.57	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.98*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	644.38	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.22*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	670.26	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.51*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	708.23	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.41*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	786.33	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.32*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	845.18	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.26*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	941.86	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	

26 05 36 00-1430 36" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	719.62	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.98*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	754.99	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.75*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	802.83	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.14*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	859.07	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.95*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,048.37	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.42*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,158.11	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.91*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,289.21	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.46*	

26 05 36 00-1438 12" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	397.47	105.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.87*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	430.13	111.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	442.87	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.14*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	506.76	124.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.34*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	544.55	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.23*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	615.89	151.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.79*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	726.24	162.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.31*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	619.57	117.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.98*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	644.38	124.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.22*	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	670.26	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.51*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	708.23	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.41*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	786.33	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.32*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	845.18	176.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.26*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	941.86	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	944.09	132.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.20*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	988.81	141.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.44*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,050.68	151.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.53*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,123.29	163.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.16*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,375.72	192.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.79*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,520.53	211.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.03*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,692.55	235.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.63*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	184.23	32.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.21*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	191.61	35.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.58*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	203.57	40.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.18*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	217.08	47.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.85*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	229.77	52.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.49*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	251.03	60.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1470		**Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	203.61	40.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.18*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	217.20	47.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.86*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	229.70	52.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.49*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	232.51	52.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.63*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	248.14	60.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.41*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	253.67	62.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.68*	
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	262.75	64.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.14*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	39.26	13.25
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	43.55	15.15
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	47.08	16.30
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	58.80	19.26
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	66.65	21.19
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	76.50	23.53
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	85.58	26.50
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	22.90	3.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.86*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	28.84	4.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.62*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	36.88	6.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.52*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	42.92	6.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.27*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	51.17	8.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.27*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	69.28	9.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.78*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	203.34	44.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.14*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	248.92	62.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.97*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	296.82	78.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.44*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	363.02	96.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.38*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	427.40	111.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.49*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	482.86	124.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.64*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	260.88	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.46*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	325.81	66.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.82*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	390.37	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.42*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	467.15	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.41*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	547.32	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.35*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	616.69	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	349.88	48.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.47*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	421.43	70.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.42*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	524.68	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.33*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	598.14	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.11*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	717.85	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.14*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	813.38	162.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.88*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	170.97	44.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*18.28*	
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	212.60	62.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.52*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	255.16	78.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.21*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	312.21	96.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.78*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	367.09	111.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.45*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	413.73	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.31*	
26 05 36 00-1523		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	214.90	46.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.56*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	271.87	66.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.74*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	328.30	84.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.09*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	394.52	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.51*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	462.76	124.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.62*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	521.36	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.67*	
26 05 36 00-1530		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	282.55	48.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.36*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	334.58	64.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.49*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	431.95	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.42*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	497.99	117.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.05*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	597.23	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.05*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	678.51	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.58*	
26 05 36 00-1537		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	231.69	44.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.41*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	269.67	62.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.08*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	299.41	78.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.83*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	357.83	96.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.60*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	396.27	111.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.82*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	425.40	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.06*	
26 05 36 00-1544		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	299.79	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.30*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	354.34	66.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.10*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	405.93	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.75*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	464.56	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	511.00	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.90*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	567.40	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.57*	
26 05 36 00-1551		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1494)*		
26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	383.60	48.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.53*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	446.99	64.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.33*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	524.68	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.33*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	603.33	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.89*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	678.94	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.30*	
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	753.72	162.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.93*	
26 05 36 00-1558		**12" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	322.93	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.30*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	373.48	105.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.39*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	441.36	124.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.41*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	514.62	151.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.93*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	570.21	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.34*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	663.32	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.41*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	436.28	92.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.09*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	525.51	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.22*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	601.12	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.63*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	789.83	176.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.03*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	860.45	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.97*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	976.51	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.19*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	611.84	101.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.95*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	716.23	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.35*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	811.44	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.52*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,013.49	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.93*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,106.07	212.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.53*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,219.77	264.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*138.80*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	439.65	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.81*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	487.90	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.52*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	512.54	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.27*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	555.10	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.51*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	606.31	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.41*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	655.81	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.18*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	594.51	92.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	657.80	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.06*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	705.85	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.80*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	743.79	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.03*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	829.60	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.25*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	904.55	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.59*	

26 05 36 00-1593 36" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	855.41	100.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.51*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	921.14	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.09*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,004.27	151.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.44*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,050.08	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.32*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,228.78	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*152.22*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,312.45	211.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*161.60*	

26 05 36 00-1600 12" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	394.52	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.51*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	443.95	124.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.80*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	529.59	151.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.23*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	605.66	176.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.41*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	700.30	211.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.77*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	774.19	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.84*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	593.31	117.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.35*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	678.94	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.30*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	789.83	176.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.03*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	989.35	212.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*113.02*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,080.26	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.75*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,167.89	264.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.02*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	869.26	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*108.31*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	985.23	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.59*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,132.01	212.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.42*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,313.71	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.77*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,440.25	264.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*171.88*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,567.60	302.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*184.73*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	185.98	35.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.01*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	196.24	39.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.78*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	211.55	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.07*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	233.58	52.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.21*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	248.40	58.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1627		**Reducers** *(26 05 36 00-1494)*		
26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	196.28	39.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.78*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	209.12	46.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.69*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	228.32	52.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.42*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	230.84	52.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.81*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	245.81	58.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.08*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	248.40	58.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.46*	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	251.17	58.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.86*	
26 05 36 00-1635		**Dropout Or End Plate** *(26 05 36 00-1494)*		
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	48.54	13.25
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	59.89	16.17
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	67.25	19.16
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	76.96	21.19
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	85.91	23.53
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	94.09	26.50
26 05 36 00-1642		**Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	21.26	2.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.72*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	27.25	3.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.55*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	34.46	4.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.46*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	42.34	4.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.57*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	50.81	6.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.61*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	62.23	6.62
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.23*	
26 05 36 00-1649		**Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1650		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	207.31	44.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.73*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	243.14	55.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.19*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	287.64	62.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.76*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	332.92	73.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.74*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	398.42	84.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.61*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	448.91	96.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.27*	
26 05 36 00-1657		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	266.77	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.34*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	323.77	58.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.74*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	367.28	66.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.05*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	448.25	78.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.16*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	516.73	91.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.18*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	594.33	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.49*	
26 05 36 00-1664		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	362.06	48.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.30*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	442.39	62.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.95*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	518.93	70.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.04*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	571.39	84.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.59*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	654.90	101.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	765.90	117.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.31*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	177.96	44.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*19.32*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	210.06	55.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.23*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	247.11	62.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.69*	
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	286.25	73.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.77*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	341.91	84.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.13*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	385.04	96.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.73*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	225.02	46.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.08*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	274.06	58.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.30*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	311.00	66.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.59*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	378.42	78.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.68*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	437.20	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.20*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	502.44	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.70*	

26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	300.14	48.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.00*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	367.76	62.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.78*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	430.72	70.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.81*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	477.11	84.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.41*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	547.84	101.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.35*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	641.16	117.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*76.53*	

26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	232.18	44.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.48*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	257.76	55.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.39*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	289.73	62.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.07*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	318.30	73.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.55*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	350.38	84.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.40*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	375.35	96.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.28*	

26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	302.27	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.67*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	342.57	58.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.56*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	373.54	66.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.99*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	416.93	78.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.46*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	456.17	91.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.09*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	510.79	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.95*	

26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	376.68	48.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.49*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	438.21	62.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	481.34	70.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.41*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	519.18	84.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.76*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	585.98	101.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.07*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	630.15	117.47
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.95*	

26 05 36 00-1713 12" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	348.12	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.08*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	410.85	96.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.60*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	458.58	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.12*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	511.81	117.86
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.13*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	598.78	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.28*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	712.09	176.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.37*	

26 05 36 00-1720 24" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	493.97	92.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.74*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	560.91	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.47*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	630.49	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.96*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	767.94	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.65*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	900.05	176.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.57*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,000.62	193.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.91*	

26 05 36 00-1727 36" Radius Horizontal Tees *(26 05 36 00-1649)*

26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	721.73	101.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.43*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	801.74	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.65*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	920.43	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.98*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,085.76	162.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.74*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,251.88	212.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*152.40*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,395.35	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*170.01*	

26 05 36 00-1734 12" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	435.83	84.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.24*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	461.21	96.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.13*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	481.31	100.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.39*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	510.50	105.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.94*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	559.48	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.31*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	619.66	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.41*	

26 05 36 00-1741 24" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	587.95	92.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.84*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	636.10	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.75*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	676.65	111.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.91*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	728.64	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.69*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	805.57	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.76*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	887.35	162.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1748 36" Radius Vertical Tees *(26 05 36 00-1649)*

26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	846.79	100.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.21*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	903.75	116.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.19*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	959.36	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.15*	
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	993.53	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*126.95*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,087.43	151.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.91*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	412.82	192.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.83*	

26 05 36 00-1755 12" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	423.61	96.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.49*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	473.20	105.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.32*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	545.85	124.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.13*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	636.32	151.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.24*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	705.66	162.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.72*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	802.21	193.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.14*	

26 05 36 00-1762 24" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	636.38	106.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.77*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	728.64	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.69*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	813.89	141.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*98.54*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	994.82	177.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*119.70*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,094.60	193.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*132.00*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,196.94	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.25*	

26 05 36 00-1769 36" Radius Horizontal Crosses *(26 05 36 00-1649)*

26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	979.26	117.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.28*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,066.62	132.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.91*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,211.72	163.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*154.57*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,377.19	212.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*171.19*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,499.77	235.73
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*185.68*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,736.45	264.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*216.31*	

26 05 36 00-1776 Straight Reducers *(26 05 36 00-1649)*

26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	179.98	30.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*21.95*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	192.45	35.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.99*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	208.56	39.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.63*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	231.33	46.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.02*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	251.08	52.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.84*	

26 05 36 00-1782 Reducers *(26 05 36 00-1649)*

26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	190.39	35.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.68*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	206.60	40.01
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.32*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	227.09	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.39*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	229.13	46.02
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.70*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	251.08	52.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	253.17	52.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.16*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	257.48	52.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.79*	
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	48.50	13.25
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	56.81	16.17
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	67.68	19.16
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	74.70	21.19
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	85.17	23.53
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	97.42	26.50
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)* Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	28.82	4.63
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.50*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	34.51	5.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.01*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	41.07	6.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.60*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	47.18	6.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.14*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	65.00	8.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.80*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	74.68	10.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.58*	
26 05 36 00-1805		**Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1806		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	222.73	55.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-17.62*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	279.85	75.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.69*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	337.47	96.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.72*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	414.67	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.64*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	468.55	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.79*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	538.75	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.24*	
26 05 36 00-1813		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	289.60	58.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.06*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	356.60	81.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.86*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	443.35	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.50*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	521.45	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.11*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	574.83	136.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.08*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	696.89	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.97*	
26 05 36 00-1820		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	389.77	62.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.79*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	474.72	88.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.10*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	589.24	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.10*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	666.66	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.06*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	759.93	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.27*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	871.59	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.52*	
26 05 36 00-1827		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	194.27	55.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-14.77*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	245.98	75.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	298.30	96.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.82*	
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	366.30	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.83*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	414.14	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.35*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	475.21	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.92*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	247.54	58.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.85*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	308.06	81.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.01*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	384.95	106.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.65*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	455.31	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.49*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	523.08	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.68*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	608.34	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.11*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	327.02	62.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.51*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	402.32	88.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.88*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	502.83	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.46*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	576.04	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.97*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	657.51	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.03*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	758.57	212.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.16*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	260.07	55.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.37*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	312.59	75.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.96*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	349.59	96.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.94*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	412.24	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.40*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	441.88	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.13*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	484.81	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.88*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	338.09	58.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.91*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	390.55	81.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.26*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	457.90	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.96*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	511.76	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.14*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	579.37	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.33*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	636.27	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.91*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	428.56	62.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.67*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	491.70	88.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.80*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	579.54	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.13*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	661.81	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.58*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	713.86	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.67*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	818.25	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869		**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	373.03	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.47*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	438.59	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.84*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	499.95	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.36*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	580.51	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.33*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	648.25	192.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.78*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	711.56	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.52*	
26 05 36 00-1876		**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	520.99	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.29*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	606.05	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.00*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	689.61	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.24*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	866.74	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.04*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	950.55	235.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.41*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,057.46	264.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.67*	
26 05 36 00-1883		**36" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	686.33	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.59*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	825.39	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.82*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	933.34	212.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.64*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,139.90	264.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.91*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,245.94	303.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.27*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,460.10	352.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.65*	
26 05 36 00-1890		**12" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	503.96	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.56*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	552.97	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.26*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	574.84	141.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.71*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	610.89	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.49*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	652.59	163.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.66*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	708.87	192.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.84*	
26 05 36 00-1897		**24" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	634.95	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.69*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	712.73	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.67*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	754.42	163.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.85*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	813.27	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.61*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	866.47	192.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.60*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	984.50	235.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.81*	
26 05 36 00-1904		**36" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	918.66	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.85*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,009.66	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.25*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,060.44	192.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.00*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,141.85	212.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.49*	

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26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,302.12	235.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.57*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,425.48	302.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.34*	
26 05 36 00-1911		**12" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	472.96	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.26*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	507.23	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.09*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	578.08	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.09*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	650.95	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.46*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	726.09	234.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.03*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	817.43	264.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.66*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	647.85	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.15*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	709.01	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.18*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	808.55	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.22*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,021.10	264.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.03*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,144.22	302.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.22*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,266.14	352.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.25*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	961.17	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.40*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,054.57	212.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.76*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,156.87	264.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.61*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,451.12	354.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.59*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,653.30	424.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.95*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,901.55	529.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-145.99*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	197.64	45.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.00*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	211.30	50.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.93*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	233.74	58.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.48*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	251.03	66.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.58*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	271.92	72.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.11*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	211.30	50.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-16.93*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	231.48	58.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-18.24*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	248.49	66.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.33*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	250.81	66.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-19.57*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	269.49	72.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.87*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	271.92	72.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.11*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	274.61	73.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.37*	
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	56.38	16.30
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	67.60	19.12
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	74.34	21.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	84.24	23.53
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	92.36	26.45
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	106.06	31.62
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	30.49	3.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.76*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	34.07	3.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.09*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	38.11	4.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.46*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	45.08	4.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.11*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	52.50	5.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.81*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	68.91	6.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.39*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	75.36	7.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.95*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	294.04	55.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.75*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	319.52	60.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.90*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	346.77	68.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.99*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	396.98	75.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.40*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	468.41	92.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.15*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	564.41	106.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.60*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	618.90	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.07*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	389.40	58.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.04*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	462.73	73.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.18*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	529.28	81.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.13*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	616.71	100.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.27*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	708.52	117.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.06*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	774.36	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.40*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	514.46	62.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.26*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	600.03	78.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.46*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	680.56	88.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.69*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	768.55	111.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.56*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	864.76	108.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.47*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	994.98	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.90*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	249.89	55.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.33*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	271.54	60.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.10*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	295.49	68.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.86*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	337.23	75.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.43*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	398.98	92.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.22*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	479.16	106.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	525.60	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.76*	

26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	325.38	58.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.63*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	387.74	73.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.68*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	442.92	81.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.49*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	518.25	101.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.41*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	596.41	117.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.82*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	652.57	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.22*	

26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	424.28	62.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.24*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	496.52	78.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.12*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	563.27	88.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.96*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	640.67	111.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.76*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	741.95	124.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.80*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	832.13	151.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.58*	

26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	337.50	55.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.11*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	360.03	60.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.97*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	375.90	68.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.91*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	396.98	75.60
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.40*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	453.85	92.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.70*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	491.57	106.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.31*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	513.66	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.56*	

26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	427.27	58.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.82*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	480.22	73.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.93*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	526.36	81.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.84*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	564.52	101.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.04*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	612.71	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.47*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	657.82	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.74*	

26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	511.54	62.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.97*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	567.98	78.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.25*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	636.86	88.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.32*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	716.11	111.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.32*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	790.60	124.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.66*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	852.22	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.62*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	482.55	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	500.51	111.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.76*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	536.62	117.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.87*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	617.47	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.69*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	706.55	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.05*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	780.95	176.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.38*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	874.49	192.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.40*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	662.24	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.42*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	750.62	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.04*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	834.74	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.87*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,021.98	176.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.52*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,140.48	212.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.36*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,310.63	235.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.42*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	969.56	132.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.92*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,111.52	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.55*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,221.89	147.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.90*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,488.97	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-131.26*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,652.46	266.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-143.08*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,902.58	302.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.05*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	596.18	105.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.79*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	608.31	111.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.54*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	650.59	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.25*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	665.32	124.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.14*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	689.44	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.93*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	724.85	141.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.72*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	781.12	162.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.55*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	790.44	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.24*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	861.33	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.11*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	920.05	141.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.24*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	980.41	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.44*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,057.89	162.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.23*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,123.07	193.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.21*	

26 05 36 00-2065 36" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,138.11	132.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.79*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,228.06	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.20*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,276.40	162.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.08*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,373.17	177.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,487.25	193.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.63*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,615.14	234.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.94*	
26 05 36 00-2072		**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	577.75	117.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.97*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	615.79	124.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.18*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	640.78	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.02*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	691.98	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.60*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	783.08	176.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.63*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	914.35	192.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.44*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,109.60	235.73
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.32*	
26 05 36 00-2080		**24" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	905.90	132.75
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.53*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,000.81	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.48*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,100.65	176.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.38*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,285.03	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.87*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,396.63	234.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-120.09*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,640.37	302.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.83*	
26 05 36 00-2087		**36" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,373.73	151.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-124.77*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,489.71	177.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-134.21*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,649.21	211.62
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-147.29*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,943.80	266.02
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-172.21*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,137.97	303.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-188.48*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,480.99	352.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-218.74*	
26 05 36 00-2094		**Straight Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	245.38	35.33
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.59*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	257.22	37.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.62*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	283.32	44.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.65*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	308.29	50.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.63*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	328.29	58.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.92*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	349.08	66.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.40*	
26 05 36 00-2101		**Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	257.12	37.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.62*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	283.27	44.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.65*	
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	283.27	44.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.65*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	308.35	50.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.63*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	308.35	50.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.63*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	308.49	50.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.64*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	334.04	58.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.50*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	328.12	58.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	349.08	66.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.40*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	349.08	66.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.40*	
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	349.30	66.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.41*	
26 05 36 00-2113		**Dropout Or End Plate** *(26 05 36 00-1961)*		
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	65.33	16.30
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	71.29	17.79
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	77.00	19.12
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	89.52	21.11
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	104.81	23.53
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	114.03	26.45
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	130.60	30.30
26 05 36 00-2121		**Cable Tray Covers And Dividers** *(26 05 36 00-0001)*		
26 05 36 00-2122		**Galvanized Steel Covers** *(26 05 36 00-2121)*		
26 05 36 00-2123		**Ventilated Straight Sections** *(26 05 36 00-2122)*		
26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	8.98	0.80
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	11.00	0.93
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	13.04	1.06
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	17.75	1.41
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	22.10	1.90
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	26.71	2.34
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	70.31	26.54
26 05 36 00-2131		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.70	2.83
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.56	3.31
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	73.20	3.93
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	100.53	5.04
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	122.23	6.40
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	150.02	7.11
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	181.45	8.48
26 05 36 00-2139		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	99.77	3.14
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	103.08	3.66
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	115.28	4.42
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	142.66	5.61
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	174.24	7.06
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	226.94	8.12
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	263.39	9.63
26 05 36 00-2147		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	144.06	3.53
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	159.55	4.07
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	170.86	5.04
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	218.33	5.87
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	260.89	8.17
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	308.75	9.23
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	361.94	10.60
26 05 36 00-2155		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	45.22	2.83
		For 60 Degree Bend, Deduct	*-13.83*	
		For 30 Degree Bend, Deduct	*-23.22*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	54.01	3.31
		For 60 Degree Bend, Deduct	*-16.55*	
		For 30 Degree Bend, Deduct	*-27.77*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	59.86	3.93
		For 60 Degree Bend, Deduct	*-18.25*	
		For 30 Degree Bend, Deduct	*-30.64*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	72.27	4.81
		For 60 Degree Bend, Deduct	*-22.00*	
		For 30 Degree Bend, Deduct	*-36.94*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	84.47	5.56
		For 60 Degree Bend, Deduct	*-25.73*	
		For 30 Degree Bend, Deduct	*-43.20*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	99.21	6.40
		For 60 Degree Bend, Deduct	*-30.28*	
		For 30 Degree Bend, Deduct	*-50.82*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	111.19	7.06
		For 60 Degree Bend, Deduct	*-33.98*	
		For 30 Degree Bend, Deduct	*-57.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	64.61	3.14
		For 60 Degree Bend, Deduct	*-20.12*	
		For 30 Degree Bend, Deduct	*-33.71*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	72.78	3.66
		For 60 Degree Bend, Deduct	*-22.61*	
		For 30 Degree Bend, Deduct	*-37.89*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	82.54	4.42
		For 60 Degree Bend, Deduct	*-25.54*	
		For 30 Degree Bend, Deduct	*-42.81*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	94.92	5.30
		For 60 Degree Bend, Deduct	*-29.29*	
		For 30 Degree Bend, Deduct	*-49.11*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	109.52	6.05
		For 60 Degree Bend, Deduct	*-33.82*	
		For 30 Degree Bend, Deduct	*-56.70*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	137.89	7.06
		For 60 Degree Bend, Deduct	*-42.79*	
		For 30 Degree Bend, Deduct	*-71.71*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	151.80	8.17
		For 60 Degree Bend, Deduct	*-46.97*	
		For 30 Degree Bend, Deduct	*-78.73*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	91.94	3.53
		For 60 Degree Bend, Deduct	*-28.99*	
		For 30 Degree Bend, Deduct	*-48.51*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	103.78	4.07
		For 60 Degree Bend, Deduct	*-32.68*	
		For 30 Degree Bend, Deduct	*-54.70*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	115.06	5.04
		For 60 Degree Bend, Deduct	*-36.04*	
		For 30 Degree Bend, Deduct	*-60.35*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	131.76	5.61
		For 60 Degree Bend, Deduct	*-41.34*	
		For 30 Degree Bend, Deduct	*-69.21*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	160.51	6.84
		For 60 Degree Bend, Deduct	*-50.35*	
		For 30 Degree Bend, Deduct	*-84.29*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	176.05	8.17
		For 60 Degree Bend, Deduct	*-54.97*	
		For 30 Degree Bend, Deduct	*-92.07*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	211.12	8.83
		For 60 Degree Bend, Deduct	*-66.28*	
		For 30 Degree Bend, Deduct	*-110.96*	
26 05 36 00-2179		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	52.23	2.83
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	54.01	3.31
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	58.65	3.93
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	67.43	4.81
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	71.00	6.23
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	78.50	7.11
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	100.19	8.48
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	63.40	3.14
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	70.35	3.66
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	74.06	4.42
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	97.33	5.30
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	110.80	6.84
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	126.33	8.17
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	144.59	9.63
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	73.75	3.53
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	92.87	4.07
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	105.39	5.04
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	131.76	5.61
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	148.84	7.82
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	177.82	9.23
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	209.19	10.60
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	93.75	4.59
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	97.33	5.30
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	109.76	6.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	133.04	7.06
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	166.35	8.17
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	199.01	11.75
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	239.29	14.09
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	143.81	4.81
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	164.50	5.61
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	171.06	6.62
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	218.71	7.60
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	329.88	8.83
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	380.94	13.25
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	422.37	16.30
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	253.28	5.04
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	259.54	5.87
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	288.20	7.06
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	338.52	8.17
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	442.81	9.63
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	488.40	15.19
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	558.16	19.21
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	138.88	6.23
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	146.82	6.62
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	163.35	7.06
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	193.02	8.17
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	237.80	11.75
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	273.21	14.09
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	316.18	15.15
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	255.94	6.62
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	278.50	7.06
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	298.73	7.60
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	356.55	8.83
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	439.12	13.25
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	497.51	16.30
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	557.95	17.62
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	421.55	7.06
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	436.94	7.60
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	459.75	8.17
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	530.10	9.63
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	679.93	15.15
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	735.30	19.30
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	786.96	21.19
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	60.07	3.31
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	63.52	3.93
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	63.52	3.93
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	68.65	4.81
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	68.65	4.81
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	86.42	5.30
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	93.69	5.30
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	87.69	6.05
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	94.96	6.05
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	99.81	6.05
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	103.16	6.62
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	105.58	6.62
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	108.00	6.62
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	109.22	6.62
26 05 36 00-2266		**Aluminum Covers** *(26 05 36 00-2121)*		
26 05 36 00-2267		**Ventilated Straight Sections** *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	10.04	0.80
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	12.10	0.93
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	14.33	1.06
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	19.05	1.41
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	24.17	1.90
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	26.90	2.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	68.65	26.54
26 05 36 00-2275		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	61.60	2.83
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	64.88	3.31
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	70.82	3.93
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	92.48	5.04
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	117.05	6.40
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	139.19	7.11
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	169.96	8.48
26 05 36 00-2283		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	83.12	3.14
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	102.56	3.66
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	113.73	4.42
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	135.45	5.61
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	167.60	7.06
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	204.01	8.12
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	251.04	9.63
26 05 36 00-2291		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	139.42	3.53
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	152.72	4.07
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	174.12	5.04
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	207.67	5.87
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	253.48	8.17
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	292.37	9.23
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	341.64	10.60
26 05 36 00-2299		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	46.78	2.83
		For 60 Degree Bend, Deduct	*-14.35*	
		For 30 Degree Bend, Deduct	*-24.07*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	48.80	3.31
		For 60 Degree Bend, Deduct	*-14.83*	
		For 30 Degree Bend, Deduct	*-24.91*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	55.00	3.93
		For 60 Degree Bend, Deduct	*-16.65*	
		For 30 Degree Bend, Deduct	*-27.97*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	63.67	4.81
		For 60 Degree Bend, Deduct	*-19.17*	
		For 30 Degree Bend, Deduct	*-32.21*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	71.14	5.56
		For 60 Degree Bend, Deduct	*-21.33*	
		For 30 Degree Bend, Deduct	*-35.87*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	88.62	6.40
		For 60 Degree Bend, Deduct	*-26.78*	
		For 30 Degree Bend, Deduct	*-44.99*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	105.76	7.06
		For 60 Degree Bend, Deduct	*-32.19*	
		For 30 Degree Bend, Deduct	*-54.05*	
26 05 36 00-2307		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	54.06	3.14
		For 60 Degree Bend, Deduct	*-16.64*	
		For 30 Degree Bend, Deduct	*-27.91*	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	67.93	3.66
		For 60 Degree Bend, Deduct	*-21.01*	
		For 30 Degree Bend, Deduct	*-35.23*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	71.68	4.42
		For 60 Degree Bend, Deduct	*-21.96*	
		For 30 Degree Bend, Deduct	*-36.84*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	86.76	5.30
		For 60 Degree Bend, Deduct	*-26.60*	
		For 30 Degree Bend, Deduct	*-44.62*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	106.57	6.05
		For 60 Degree Bend, Deduct	*-32.84*	
		For 30 Degree Bend, Deduct	*-55.08*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	123.11	7.06
		For 60 Degree Bend, Deduct	*-37.91*	
		For 30 Degree Bend, Deduct	*-63.58*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	142.21	8.17
		For 60 Degree Bend, Deduct	*-43.80*	
		For 30 Degree Bend, Deduct	*-73.46*	
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	89.96	3.53
		For 60 Degree Bend, Deduct	*-28.34*	
		For 30 Degree Bend, Deduct	*-47.42*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	98.31	4.07
		For 60 Degree Bend, Deduct	*-30.88*	
		For 30 Degree Bend, Deduct	*-51.69*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	104.84	5.04
		For 60 Degree Bend, Deduct	*-32.67*	
		For 30 Degree Bend, Deduct	*-54.73*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	125.56	5.61
		For 60 Degree Bend, Deduct	*-39.29*	
		For 30 Degree Bend, Deduct	*-65.80*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	152.38	6.84
		For 60 Degree Bend, Deduct	*-47.66*	
		For 30 Degree Bend, Deduct	*-79.82*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	174.36	8.17
		For 60 Degree Bend, Deduct	*-54.41*	
		For 30 Degree Bend, Deduct	*-91.14*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	197.75	8.83
		For 60 Degree Bend, Deduct	*-61.87*	
		For 30 Degree Bend, Deduct	*-103.61*	

26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	53.19	2.83
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	54.37	3.31
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.69	3.93
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	69.86	4.81
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	74.68	6.23
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	77.36	7.11
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	93.26	8.48

26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	60.86	3.14
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	66.69	3.66
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	72.92	4.42
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	87.97	5.30
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	97.95	6.84
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	124.88	8.17
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	137.27	9.63

26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-2266)*

26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	70.16	3.53
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	85.94	4.07
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	99.92	5.04
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	120.62	5.61
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	144.14	7.82
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	181.08	9.23
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	195.71	10.60

26 05 36 00-2347 12" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	86.82	4.59
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	92.92	5.30
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	104.33	6.23
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	123.11	7.06
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	154.58	8.17
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	185.30	11.75
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	223.83	14.09

26 05 36 00-2355 24" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	136.64	4.81
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	152.77	5.61
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	171.79	6.62
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	200.59	7.60
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	313.94	8.83
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	353.51	13.25
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	395.67	16.30

26 05 36 00-2363 36" Radius Horizontal Tees *(26 05 36 00-2266)*

26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	243.35	5.04
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	249.70	5.87
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	276.43	7.06
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	312.88	8.17
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	396.96	9.63
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	453.17	15.19
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	514.30	19.21

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	131.56	6.23
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	139.65	6.62
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	155.26	7.06
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	186.73	8.17
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	219.91	11.75
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	260.90	14.09
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	299.75	15.15
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	248.48	6.62
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	266.53	7.06
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	287.15	7.60
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	333.73	8.83
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	402.96	13.25
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	472.31	16.30
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	511.66	17.62
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	392.67	7.06
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	410.82	7.60
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	441.49	8.17
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	486.00	9.63
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	606.49	15.15
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	699.94	19.30
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	764.94	21.19
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	66.11	3.31
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	69.61	3.93
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	69.61	3.93
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	77.27	4.81
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	77.27	4.81
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	85.50	5.30
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	95.38	5.30
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	99.14	6.05
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	102.84	6.05
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	105.33	6.05
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	109.95	6.62
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	112.42	6.62
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	113.66	6.62
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	114.90	6.62
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	8.44	1.06
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	10.19	1.15
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	13.00	1.32
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	45.36	7.60
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	54.17	7.86
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	57.24	8.17
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	68.68	8.48
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	63.83	8.48
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	70.47	8.83
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	85.68	9.23
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	111.85	9.63
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	82.76	9.63
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	94.41	10.11
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	108.58	10.60
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	144.67	11.17
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	54.77	7.86
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	62.09	8.17
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	68.68	8.48
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	81.38	8.83
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	81.38	8.83
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	99.02	9.23
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	110.64	9.63
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	142.90	10.11
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	92.96	9.23
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	104.58	9.63
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	128.35	10.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	169.20	10.60
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	60.16	8.83
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	66.29	9.23
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	74.27	9.63
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	89.56	10.11
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	82.05	9.23
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	99.73	9.63
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	112.59	10.11
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	143.74	10.60
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	93.67	9.63
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	112.59	10.11
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	143.74	10.60
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	181.04	11.17
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	57.36	6.40
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	63.92	7.06
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	79.75	7.86
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	8.48	1.02
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	10.27	1.10
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	13.09	1.24
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	39.29	7.33
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	44.58	7.60
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	50.46	7.86
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	60.93	8.17
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	58.57	8.17
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	66.20	8.48
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	79.78	8.83
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	104.12	9.23
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	84.00	9.23
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	104.83	9.63
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	131.60	10.11
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	167.94	10.60
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	50.85	7.60
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	57.44	7.86
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	64.48	8.17
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	74.48	8.48
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	73.30	8.48
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	88.07	8.83
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	101.75	9.23
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	134.41	9.63
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	107.00	8.83
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	133.70	9.23
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	160.45	9.63
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	199.05	10.11
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	56.02	8.48
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	64.40	8.83
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	67.44	9.23
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	77.61	9.63
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	76.23	8.83
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	99.39	9.23
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	108.38	9.63
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	142.25	10.11
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	108.85	9.23
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	141.51	9.63
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	164.74	10.11
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	195.16	10.60
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	53.18	6.05
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	58.37	6.62
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	74.91	7.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2506		Cable Tray Wall Brackets *(26 05 36 00-0001)*		
26 05 36 00-2507		Wall Brackets *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	67.52	8.83
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	69.69	9.23
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	77.95	9.63
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	83.22	10.11
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	91.60	10.60
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	113.66	11.17
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	140.59	11.92
26 05 36 00-2515		Fiberglass Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-2516		Ladder Bottom Fiberglass Cable Tray *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		Straight Tray Sections *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.18	1.19
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.41*	
		For 4" Rung Spacing, Add	*2.59*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.09*	
		For Vented Trough Bottom, Add	*3.99*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.93	1.45
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.25*	
		For Vented Trough Bottom, Add	*4.16*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	12.64	1.77
		For 9" Rung Spacing, Add	*0.35*	
		For 6" Rung Spacing, Add	*1.50*	
		For 4" Rung Spacing, Add	*2.75*	
		For 18" Rung Spacing, Deduct	*-0.25*	
		For Solid Bottom, Add	*3.39*	
		For Vented Trough Bottom, Add	*4.33*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.27	2.34
		For 9" Rung Spacing, Add	*0.38*	
		For 6" Rung Spacing, Add	*1.61*	
		For 4" Rung Spacing, Add	*2.95*	
		For 18" Rung Spacing, Deduct	*-0.27*	
		For Solid Bottom, Add	*3.75*	
		For Vented Trough Bottom, Add	*4.74*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.89	2.96
		For 9" Rung Spacing, Add	*0.40*	
		For 6" Rung Spacing, Add	*1.72*	
		For 4" Rung Spacing, Add	*3.15*	
		For 18" Rung Spacing, Deduct	*-0.29*	
		For Solid Bottom, Add	*4.10*	
		For Vented Trough Bottom, Add	*5.14*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.29	3.22
		For 9" Rung Spacing, Add	*0.44*	
		For 6" Rung Spacing, Add	*1.87*	
		For 4" Rung Spacing, Add	*3.42*	
		For 18" Rung Spacing, Deduct	*-0.31*	
		For Solid Bottom, Add	*4.46*	
		For Vented Trough Bottom, Add	*5.58*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	18.76	3.53
		For 9" Rung Spacing, Add	*0.47*	
		For 6" Rung Spacing, Add	*2.02*	
		For 4" Rung Spacing, Add	*3.70*	
		For 18" Rung Spacing, Deduct	*-0.34*	
		For Solid Bottom, Add	*4.83*	
		For Vented Trough Bottom, Add	*6.05*	
26 05 36 00-2525		90 Degree Horizontal Elbows *(26 05 36 00-2516)*		
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	51.33	8.83
		For 9" Rung Spacing, Add	*1.33*	
		For 6" Rung Spacing, Add	*5.71*	
		For 4" Rung Spacing, Add	*10.47*	
		For 18" Rung Spacing, Deduct	*-0.95*	
		For Solid Bottom, Add	*13.41*	
		For Vented Trough Bottom, Add	*16.89*	
		For 60 Degree Bend, Deduct	*-13.89*	
		For 45 Degree Bend, Deduct	*-18.74*	
		For 30 Degree Bend, Deduct	*-23.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	55.72	10.29
		For 9" Rung Spacing, Add	*1.41*	
		For 6" Rung Spacing, Add	*6.04*	
		For 4" Rung Spacing, Add	*11.07*	
		For 18" Rung Spacing, Deduct	*-1.01*	
		For Solid Bottom, Add	*14.40*	
		For Vented Trough Bottom, Add	*18.04*	
		For 60 Degree Bend, Deduct	*-14.83*	
		For 45 Degree Bend, Deduct	*-20.03*	
		For 30 Degree Bend, Deduct	*-25.24*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	61.87	12.94
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.37*	
		For 4" Rung Spacing, Add	*11.67*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*15.65*	
		For Vented Trough Bottom, Add	*19.40*	
		For 60 Degree Bend, Deduct	*-15.95*	
		For 45 Degree Bend, Deduct	*-21.59*	
		For 30 Degree Bend, Deduct	*-27.23*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	72.15	15.63
		For 9" Rung Spacing, Add	*1.71*	
		For 6" Rung Spacing, Add	*7.31*	
		For 4" Rung Spacing, Add	*13.41*	
		For 18" Rung Spacing, Deduct	*-1.22*	
		For Solid Bottom, Add	*18.14*	
		For Vented Trough Bottom, Add	*22.43*	
		For 60 Degree Bend, Deduct	*-18.43*	
		For 45 Degree Bend, Deduct	*-24.96*	
		For 30 Degree Bend, Deduct	*-31.49*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	80.54	17.97
		For 9" Rung Spacing, Add	*1.88*	
		For 6" Rung Spacing, Add	*8.04*	
		For 4" Rung Spacing, Add	*14.74*	
		For 18" Rung Spacing, Deduct	*-1.34*	
		For Solid Bottom, Add	*20.12*	
		For Vented Trough Bottom, Add	*24.81*	
		For 60 Degree Bend, Deduct	*-20.38*	
		For 45 Degree Bend, Deduct	*-27.63*	
		For 30 Degree Bend, Deduct	*-34.87*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	90.30	19.16
		For 9" Rung Spacing, Add	*2.16*	
		For 6" Rung Spacing, Add	*9.24*	
		For 4" Rung Spacing, Add	*16.94*	
		For 18" Rung Spacing, Deduct	*-1.54*	
		For Solid Bottom, Add	*22.79*	
		For Vented Trough Bottom, Add	*28.23*	
		For 60 Degree Bend, Deduct	*-23.20*	
		For 45 Degree Bend, Deduct	*-31.41*	
		For 30 Degree Bend, Deduct	*-39.62*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	101.66	20.63
		For 9" Rung Spacing, Add	*2.48*	
		For 6" Rung Spacing, Add	*10.61*	
		For 4" Rung Spacing, Add	*19.46*	
		For 18" Rung Spacing, Deduct	*-1.77*	
		For Solid Bottom, Add	*25.86*	
		For Vented Trough Bottom, Add	*32.16*	
		For 60 Degree Bend, Deduct	*-26.44*	
		For 45 Degree Bend, Deduct	*-35.77*	
		For 30 Degree Bend, Deduct	*-45.09*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	91.10	8.83
		For 9" Rung Spacing, Add	*2.72*	
		For 6" Rung Spacing, Add	*11.68*	
		For 4" Rung Spacing, Add	*21.41*	
		For 18" Rung Spacing, Deduct	*-1.95*	
		For Solid Bottom, Add	*25.34*	
		For Vented Trough Bottom, Add	*32.80*	
		For 60 Degree Bend, Deduct	*-27.02*	
		For 45 Degree Bend, Deduct	*-36.24*	
		For 30 Degree Bend, Deduct	*-45.47*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	94.41	10.29
		For 9" Rung Spacing, Add	*2.76*	
		For 6" Rung Spacing, Add	*11.84*	
		For 4" Rung Spacing, Add	*21.71*	
		For 18" Rung Spacing, Deduct	*-1.97*	
		For Solid Bottom, Add	*26.00*	
		For Vented Trough Bottom, Add	*33.51*	
		For 60 Degree Bend, Deduct	*-27.60*	
		For 45 Degree Bend, Deduct	*-37.06*	
		For 30 Degree Bend, Deduct	*-46.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	99.46	12.94
		For 9" Rung Spacing, Add	*2.80*	
		For 6" Rung Spacing, Add	*12.00*	
		For 4" Rung Spacing, Add	*22.01*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*26.92*	
		For Vented Trough Bottom, Add	*34.44*	
		For 60 Degree Bend, Deduct	*-28.35*	
		For 45 Degree Bend, Deduct	*-38.13*	
		For 30 Degree Bend, Deduct	*-47.90*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	105.86	15.63
		For 9" Rung Spacing, Add	*2.89*	
		For 6" Rung Spacing, Add	*12.37*	
		For 4" Rung Spacing, Add	*22.68*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For Solid Bottom, Add	*28.25*	
		For Vented Trough Bottom, Add	*35.91*	
		For 60 Degree Bend, Deduct	*-29.55*	
		For 45 Degree Bend, Deduct	*-39.79*	
		For 30 Degree Bend, Deduct	*-50.03*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	111.58	17.97
		For 9" Rung Spacing, Add	*2.96*	
		For 6" Rung Spacing, Add	*12.70*	
		For 4" Rung Spacing, Add	*23.28*	
		For 18" Rung Spacing, Deduct	*-2.12*	
		For Solid Bottom, Add	*29.43*	
		For Vented Trough Bottom, Add	*37.22*	
		For 60 Degree Bend, Deduct	*-30.63*	
		For 45 Degree Bend, Deduct	*-41.28*	
		For 30 Degree Bend, Deduct	*-51.94*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	115.52	19.16
		For 9" Rung Spacing, Add	*3.04*	
		For 6" Rung Spacing, Add	*13.02*	
		For 4" Rung Spacing, Add	*23.88*	
		For 18" Rung Spacing, Deduct	*-2.17*	
		For Solid Bottom, Add	*30.35*	
		For Vented Trough Bottom, Add	*38.32*	
		For 60 Degree Bend, Deduct	*-31.52*	
		For 45 Degree Bend, Deduct	*-42.51*	
		For 30 Degree Bend, Deduct	*-53.49*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	126.83	20.63
		For 9" Rung Spacing, Add	*3.36*	
		For 6" Rung Spacing, Add	*14.39*	
		For 4" Rung Spacing, Add	*26.38*	
		For 18" Rung Spacing, Deduct	*-2.40*	
		For Solid Bottom, Add	*33.41*	
		For Vented Trough Bottom, Add	*42.23*	
		For 60 Degree Bend, Deduct	*-34.74*	
		For 45 Degree Bend, Deduct	*-46.84*	
		For 30 Degree Bend, Deduct	*-58.94*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	100.30	22.08
		For 9" Rung Spacing, Add	*2.35*	
		For 6" Rung Spacing, Add	*10.08*	
		For 4" Rung Spacing, Add	*18.47*	
		For 18" Rung Spacing, Deduct	*-1.68*	
		For Solid Bottom, Add	*25.12*	
		For Vented Trough Bottom, Add	*31.01*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	108.70	25.93
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.48*	
		For 4" Rung Spacing, Add	*19.21*	
		For 18" Rung Spacing, Deduct	*-1.75*	
		For Solid Bottom, Add	*26.78*	
		For Vented Trough Bottom, Add	*32.79*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	118.89	30.91
		For 9" Rung Spacing, Add	*2.54*	
		For 6" Rung Spacing, Add	*10.88*	
		For 4" Rung Spacing, Add	*19.94*	
		For 18" Rung Spacing, Deduct	*-1.81*	
		For Solid Bottom, Add	*28.71*	
		For Vented Trough Bottom, Add	*34.80*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	131.89	34.76
		For 9" Rung Spacing, Add	*2.79*	
		For 6" Rung Spacing, Add	*11.97*	
		For 4" Rung Spacing, Add	*21.94*	
		For 18" Rung Spacing, Deduct	*-1.99*	
		For Solid Bottom, Add	*31.75*	
		For Vented Trough Bottom, Add	*38.43*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	139.92	36.21
		For 9" Rung Spacing, Add	*3.00*	
		For 6" Rung Spacing, Add	*12.84*	
		For 4" Rung Spacing, Add	*23.54*	
		For 18" Rung Spacing, Deduct	*-2.14*	
		For Solid Bottom, Add	*33.83*	
		For Vented Trough Bottom, Add	*41.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	152.00	38.29
		For 9" Rung Spacing, Add	*3.31*	
		For 6" Rung Spacing, Add	*14.19*	
		For 4" Rung Spacing, Add	*26.01*	
		For 18" Rung Spacing, Deduct	*-2.36*	
		For Solid Bottom, Add	*36.99*	
		For Vented Trough Bottom, Add	*45.01*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	166.31	41.25
		For 9" Rung Spacing, Add	*3.66*	
		For 6" Rung Spacing, Add	*15.67*	
		For 4" Rung Spacing, Add	*28.73*	
		For 18" Rung Spacing, Deduct	*-2.61*	
		For Solid Bottom, Add	*40.62*	
		For Vented Trough Bottom, Add	*49.52*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	143.51	38.29
		For 9" Rung Spacing, Add	*3.01*	
		For 6" Rung Spacing, Add	*12.92*	
		For 4" Rung Spacing, Add	*23.68*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For Solid Bottom, Add	*34.44*	
		For Vented Trough Bottom, Add	*41.62*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	150.47	41.25
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For Solid Bottom, Add	*35.87*	
		For Vented Trough Bottom, Add	*43.19*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	157.43	44.20
		For 9" Rung Spacing, Add	*3.19*	
		For 6" Rung Spacing, Add	*13.68*	
		For 4" Rung Spacing, Add	*25.08*	
		For 18" Rung Spacing, Deduct	*-2.28*	
		For Solid Bottom, Add	*37.29*	
		For Vented Trough Bottom, Add	*44.76*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	169.12	47.12
		For 9" Rung Spacing, Add	*3.45*	
		For 6" Rung Spacing, Add	*14.77*	
		For 4" Rung Spacing, Add	*27.08*	
		For 18" Rung Spacing, Deduct	*-2.46*	
		For Solid Bottom, Add	*40.14*	
		For Vented Trough Bottom, Add	*48.22*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	179.11	50.08
		For 9" Rung Spacing, Add	*3.64*	
		For 6" Rung Spacing, Add	*15.61*	
		For 4" Rung Spacing, Add	*28.61*	
		For 18" Rung Spacing, Deduct	*-2.60*	
		For Solid Bottom, Add	*42.47*	
		For Vented Trough Bottom, Add	*51.00*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	192.74	53.03
		For 9" Rung Spacing, Add	*3.96*	
		For 6" Rung Spacing, Add	*16.99*	
		For 4" Rung Spacing, Add	*31.15*	
		For 18" Rung Spacing, Deduct	*-2.83*	
		For Solid Bottom, Add	*45.90*	
		For Vented Trough Bottom, Add	*55.24*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	210.36	56.84
		For 9" Rung Spacing, Add	*4.38*	
		For 6" Rung Spacing, Add	*18.77*	
		For 4" Rung Spacing, Add	*34.41*	
		For 18" Rung Spacing, Deduct	*-3.13*	
		For Solid Bottom, Add	*50.32*	
		For Vented Trough Bottom, Add	*60.70*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	93.51	22.08
		For 9" Rung Spacing, Add	*2.11*	
		For 6" Rung Spacing, Add	*9.06*	
		For 4" Rung Spacing, Add	*16.61*	
		For 18" Rung Spacing, Deduct	*-1.51*	
		For Solid Bottom, Add	*23.09*	
		For Vented Trough Bottom, Add	*28.30*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	98.16	23.58
		For 9" Rung Spacing, Add	*2.20*	
		For 6" Rung Spacing, Add	*9.42*	
		For 4" Rung Spacing, Add	*17.28*	
		For 18" Rung Spacing, Deduct	*-1.57*	
		For Solid Bottom, Add	*24.15*	
		For Vented Trough Bottom, Add	*29.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	111.61	30.91
		For 9" Rung Spacing, Add	*2.28*	
		For 6" Rung Spacing, Add	*9.79*	
		For 4" Rung Spacing, Add	*17.94*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*26.53*	
		For Vented Trough Bottom, Add	*31.89*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	123.90	34.76
		For 9" Rung Spacing, Add	*2.51*	
		For 6" Rung Spacing, Add	*10.77*	
		For 4" Rung Spacing, Add	*19.74*	
		For 18" Rung Spacing, Deduct	*-1.79*	
		For Solid Bottom, Add	*29.35*	
		For Vented Trough Bottom, Add	*35.23*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	131.19	36.21
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.53*	
		For 4" Rung Spacing, Add	*21.14*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*31.21*	
		For Vented Trough Bottom, Add	*37.54*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	142.54	38.29
		For 9" Rung Spacing, Add	*2.98*	
		For 6" Rung Spacing, Add	*12.77*	
		For 4" Rung Spacing, Add	*23.41*	
		For 18" Rung Spacing, Deduct	*-2.13*	
		For Solid Bottom, Add	*34.15*	
		For Vented Trough Bottom, Add	*41.23*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	155.87	41.25
		For 9" Rung Spacing, Add	*3.29*	
		For 6" Rung Spacing, Add	*14.11*	
		For 4" Rung Spacing, Add	*25.86*	
		For 18" Rung Spacing, Deduct	*-2.35*	
		For Solid Bottom, Add	*37.49*	
		For Vented Trough Bottom, Add	*45.35*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	47.45	8.83
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.41*	
		For 18" Rung Spacing, Deduct	*-0.86*	
		For Solid Bottom, Add	*12.25*	
		For Vented Trough Bottom, Add	*15.34*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	50.16	10.29
		For 9" Rung Spacing, Add	*1.21*	
		For 6" Rung Spacing, Add	*5.21*	
		For 4" Rung Spacing, Add	*9.54*	
		For 18" Rung Spacing, Deduct	*-0.87*	
		For Solid Bottom, Add	*12.73*	
		For Vented Trough Bottom, Add	*15.81*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	52.83	11.79
		For 9" Rung Spacing, Add	*1.23*	
		For 6" Rung Spacing, Add	*5.28*	
		For 4" Rung Spacing, Add	*9.67*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*13.20*	
		For Vented Trough Bottom, Add	*16.28*	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	55.81	12.94
		For 9" Rung Spacing, Add	*1.27*	
		For 6" Rung Spacing, Add	*5.46*	
		For 4" Rung Spacing, Add	*10.00*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*13.83*	
		For Vented Trough Bottom, Add	*16.98*	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	63.63	14.13
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.37*	
		For 4" Rung Spacing, Add	*11.67*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*15.91*	
		For Vented Trough Bottom, Add	*19.62*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	72.70	15.63
		For 9" Rung Spacing, Add	*1.73*	
		For 6" Rung Spacing, Add	*7.40*	
		For 4" Rung Spacing, Add	*13.56*	
		For 18" Rung Spacing, Deduct	*-1.23*	
		For Solid Bottom, Add	*18.30*	
		For Vented Trough Bottom, Add	*22.65*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	161.42	22.08
		For 9" Rung Spacing, Add	*4.49*	
		For 6" Rung Spacing, Add	*19.25*	
		For 4" Rung Spacing, Add	*35.28*	
		For 18" Rung Spacing, Deduct	*-3.21*	
		For Solid Bottom, Add	*43.46*	
		For Vented Trough Bottom, Add	*55.46*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	165.21	23.58
		For 9" Rung Spacing, Add	*4.55*	
		For 6" Rung Spacing, Add	*19.48*	
		For 4" Rung Spacing, Add	*35.72*	
		For 18" Rung Spacing, Deduct	*-3.25*	
		For Solid Bottom, Add	*44.27*	
		For Vented Trough Bottom, Add	*56.37*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	177.82	30.91
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.72*	
		For 4" Rung Spacing, Add	*36.15*	
		For 18" Rung Spacing, Deduct	*-3.29*	
		For Solid Bottom, Add	*46.39*	
		For Vented Trough Bottom, Add	*58.38*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	187.20	34.76
		For 9" Rung Spacing, Add	*4.73*	
		For 6" Rung Spacing, Add	*20.26*	
		For 4" Rung Spacing, Add	*37.15*	
		For 18" Rung Spacing, Deduct	*-3.38*	
		For Solid Bottom, Add	*48.34*	
		For Vented Trough Bottom, Add	*60.55*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	192.79	36.21
		For 9" Rung Spacing, Add	*4.85*	
		For 6" Rung Spacing, Add	*20.77*	
		For 4" Rung Spacing, Add	*38.08*	
		For 18" Rung Spacing, Deduct	*-3.46*	
		For Solid Bottom, Add	*49.69*	
		For Vented Trough Bottom, Add	*62.18*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	199.05	38.29
		For 9" Rung Spacing, Add	*4.96*	
		For 6" Rung Spacing, Add	*21.25*	
		For 4" Rung Spacing, Add	*38.95*	
		For 18" Rung Spacing, Deduct	*-3.54*	
		For Solid Bottom, Add	*51.10*	
		For Vented Trough Bottom, Add	*63.83*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	218.30	41.25
		For 9" Rung Spacing, Add	*5.48*	
		For 6" Rung Spacing, Add	*23.47*	
		For 4" Rung Spacing, Add	*43.03*	
		For 18" Rung Spacing, Deduct	*-3.91*	
		For Solid Bottom, Add	*56.22*	
		For Vented Trough Bottom, Add	*70.32*	

26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	11.73	2.79
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	15.35	2.97
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	16.16	3.10
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	16.98	3.26
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	18.27	3.42
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	19.74	3.57
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	20.10	3.73
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	20.91	3.85
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.33	3.95
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	15.83	3.27
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	17.40	3.40
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	19.00	3.57
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	20.23	3.75
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.61	3.93
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.50	4.11
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.02	4.24
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.10	4.33
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.23	4.63
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	21.19	3.93
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.48	4.11
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.62	4.28
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.77	4.50
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.69	4.59
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.17	4.72

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	8.82	2.08
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	11.52	2.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	16.16	3.09
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	25.50	4.90
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	36.55	6.84
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	49.36	8.96
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	55.45	11.21
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	65.95	13.47
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	85.33	15.81
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	11.86	2.43
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	17.41	3.40
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	28.49	5.39
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	40.47	7.51
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	53.99	9.85
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	64.69	12.32
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	78.57	14.79
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	104.39	17.36
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	171.20	23.18
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	31.76	5.87
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	48.98	8.21
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	64.03	10.73
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	76.23	13.47
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	89.92	16.12
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	144.70	18.94
26 05 36 00-2631		Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*		
26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	21.27	5.83
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	23.18	5.83
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	26.43	5.83
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	33.24	6.36
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	36.08	6.36
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	37.03	6.36
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	37.87	6.36

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	65.20	7.77
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	84.12	9.09

26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	117.76	9.85
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	136.03	10.91

26 05 39 00-0009 Junction Boxes *(26 05 39 00-0001)*

26 05 39 00-0010 One Level Junction Boxes *(26 05 39 00-0009)*

26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	178.16	15.46
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	204.54	16.56
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	361.88	15.46
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	228.50	16.56
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	375.91	21.77
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	547.79	23.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	894.73	15.63
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,033.63	16.56
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	92.52	5.69
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	95.81	5.69
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	44.60	5.69
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	45.92	5.69
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	44.60	6.62
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	45.92	6.62
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	21.62	8.83
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	31.32	8.83
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	60.62	8.83
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	62.26	9.31
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	81.94	1.32
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	48.25	18.55
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	52.77	18.55
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	57.32	18.55
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	52.77	20.76
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	61.97	20.76
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	57.32	22.08
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	57.32	22.08
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	61.97	22.08
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	45.32	16.34
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	53.66	16.34
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	63.21	16.34
26 05 39 00-0053		**Underfloor Duct Accessories** *(26 05 39 00-0001)*		
26 05 39 00-0054		**Plugs For Unused Junction Box Openings And Duct Ends** *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	27.63	1.32
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	27.86	1.32
26 05 39 00-0057		**Conduit Adapters** *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.64	2.21
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	29.09	2.21
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	28.10	2.21
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	28.56	2.21
26 05 39 00-0062		**Holders And Caps** *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	161.68	18.55
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	351.53	18.55
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	1.90	0.44
26 05 39 00-0066		**Underfloor Dust Pans** *(26 05 39 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	84.97	2.42

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)*

Note: Rated for 200 pounds per square foot (PSF) Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0002 10" Wide Pedestrian Trench *(26 05 43 00-0001)*

26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	81.46
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	77.33
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	113.16
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	107.42
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	50.84
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	57.56
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	54.31

26 05 43 00-0010 20" Wide Pedestrian Trench *(26 05 43 00-0001)*

26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	101.68
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	94.36
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	136.17
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	129.50
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	61.80
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	90.34
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	67.91

26 05 43 00-0018 30" Wide Pedestrian Trench *(26 05 43 00-0001)*

26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	125.73
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	152.53
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	158.23
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	150.64
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	87.46
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	122.45
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	85.32

26 05 43 00-0026 40" Wide Pedestrian Trench *(26 05 43 00-0001)*

26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	148.37
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	141.47
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	181.74
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	173.30
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	111.95
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	156.49
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	99.95

26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)*

Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0035 10" Wide Medium Vehicle Trench *(26 05 43 00-0034)*

26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	101.76
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	96.40
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	141.32
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	133.90
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	62.12
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	69.38
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	67.84
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	334.34

26 05 43 00-0044 20" Wide Medium Vehicle Trench *(26 05 43 00-0034)*

26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	126.45
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	117.02
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	168.84
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	160.22
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	74.85
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	109.55
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	84.83
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	443.89

26 05 43 00-0053 30" Wide Medium Vehicle Trench *(26 05 43 00-0034)*

26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	118.21
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	147.30
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	195.41
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	185.60
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	105.47
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	149.10
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	106.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	554.54	

26 05 43 00-0062 40" Wide Medium Vehicle Trench *(26 05 43 00-0034)*

26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	182.17	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	173.25	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	223.19	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	212.26	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	135.01	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	190.53	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	124.72	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	755.03	

26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench *(26 05 43)*

Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0072 10" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	235.58	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	223.55	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	292.46	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	277.29	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	225.67	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	214.22	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	282.55	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	267.99	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	151.31	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	204.36	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	135.59	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	188.30	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	106.01	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	363.38	

26 05 43 00-0087 20" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.41	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	233.07	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	322.48	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	305.97	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.41	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	233.07	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	312.57	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	296.68	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	216.67	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	293.39	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	193.77	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	270.50	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	117.02	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	540.60	

26 05 43 00-0102 30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	283.89	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	269.77	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	351.51	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	333.98	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	273.98	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	260.44	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	341.60	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	324.34	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	285.90	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	381.48	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	255.83	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	351.40	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	148.85	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	678.35	

26 05 43 00-0117 40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	308.54	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	293.37	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	380.29	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	361.25	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	298.63	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	284.07	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	370.38	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	351.92	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	353.72	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	471.77	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	316.81	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	434.86	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	179.23	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	923.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46		**Utility Poles for Electrical Systems** *(26 05)*		
26 05 46 00-0001		Wood Poles *(26 05 46)*		
26 05 46 00-0002		Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*		
		Note: Machine dig and set.		
26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	675.28	146.45
		For Class 1 Pole, Add	*133.81*	
		For Class 2 Pole, Add	*76.46*	
		For Class 4 Pole, Deduct	*-38.23*	
		For Class 5 Pole, Deduct	*-114.70*	
		For Class 6 Pole, Deduct	*-152.93*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	844.08	162.49
		For Class 1 Pole, Add	*181.68*	
		For Class 2 Pole, Add	*103.82*	
		For Class 4 Pole, Deduct	*-51.91*	
		For Class 5 Pole, Deduct	*-155.72*	
		For Class 6 Pole, Deduct	*-207.63*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,082.48	214.91
		For Class 1 Pole, Add	*228.46*	
		For Class 2 Pole, Add	*130.55*	
		For Class 4 Pole, Deduct	*-65.27*	
		For Class 5 Pole, Deduct	*-195.82*	
		For Class 6 Pole, Deduct	*-261.09*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,265.34	236.37
		For Class 1 Pole, Add	*277.41*	
		For Class 2 Pole, Add	*158.52*	
		For Class 4 Pole, Deduct	*-79.26*	
		For Class 5 Pole, Deduct	*-237.78*	
		For Class 6 Pole, Deduct	*-317.04*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,465.28	263.27
		For Class 1 Pole, Add	*328.54*	
		For Class 2 Pole, Add	*187.74*	
		For Class 4 Pole, Deduct	*-93.87*	
		For Class 5 Pole, Deduct	*-281.61*	
		For Class 6 Pole, Deduct	*-375.48*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	1,678.80	295.46
		For Class 1 Pole, Add	*380.76*	
		For Class 2 Pole, Add	*217.58*	
		For Class 4 Pole, Deduct	*-108.79*	
		For Class 5 Pole, Deduct	*-326.37*	
		For Class 6 Pole, Deduct	*-435.16*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	1,893.30	324.98
		For Class 1 Pole, Add	*435.16*	
		For Class 2 Pole, Add	*248.66*	
		For Class 4 Pole, Deduct	*-124.33*	
		For Class 5 Pole, Deduct	*-372.99*	
		For Class 6 Pole, Deduct	*-497.32*	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,132.15	357.37
		For Class 1 Pole, Add	*496.08*	
		For Class 2 Pole, Add	*283.47*	
		For Class 4 Pole, Deduct	*-141.74*	
		For Class 5 Pole, Deduct	*-425.21*	
		For Class 6 Pole, Deduct	*-566.95*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,044.89	389.50
		For Class 1 Pole, Add	*1,143.05*	
		For Class 2 Pole, Add	*653.17*	
		For Class 4 Pole, Deduct	*-326.59*	
		For Class 5 Pole, Deduct	*-979.76*	
		For Class 6 Pole, Deduct	*-1,306.34*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	4,479.79	414.34
		For Class 1 Pole, Add	*1,277.89*	
		For Class 2 Pole, Add	*730.22*	
		For Class 4 Pole, Deduct	*-365.11*	
		For Class 5 Pole, Deduct	*-1,095.33*	
		For Class 6 Pole, Deduct	*-1,460.44*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	4,960.87	442.54
		For Class 1 Pole, Add	*1,426.52*	
		For Class 2 Pole, Add	*815.15*	
		For Class 4 Pole, Deduct	*-407.58*	
		For Class 5 Pole, Deduct	*-1,222.73*	
		For Class 6 Pole, Deduct	*-1,630.30*	
26 05 46 00-0014		Removal And Relocation Of Wood Poles With Cross Arm *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	12.48	
26 05 46 00-0016		Crossarms *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		Wood Single Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	133.17	43.68
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	158.33	43.68
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	164.77	56.16

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0021		Wood Double Arm Crossarms *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	333.79	121.68
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	357.99	121.68
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	370.02	121.68
26 05 46 00-0025		Fiberglass Crossarms *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		Single Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	207.93	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	249.87	26.21
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	256.11	28.08
26 05 46 00-0030		Two Phase, 15 Degree Angle *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	306.36	33.70
26 05 46 00-0032		Fiberglass Crossarm Accessories *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	522.99	43.06
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	613.59	52.42
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	90.95	7.49
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	454.77	37.44
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	322.77	62.40
26 05 46 00-0038		Insulator Support System *(26 05 46 00-0016)*		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	96.45	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	86.52	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	315.19	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	167.68	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	78.39	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	74.49	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	303.16	
26 05 46 00-0048		Guying *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	563.90	174.72
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	583.53	174.72
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	623.89	174.72
26 05 46 00-0053	EA	Guy Guard, Plastic	39.44	
26 05 46 00-0054		Head Guy, 50' Spans *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	748.65	268.32
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	748.65	268.32
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	748.65	268.32
26 05 46 00-0058		Guy Strain Insulators Additional Insulators *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	272.36	131.04
26 05 46 00-0060		Insulators *(26 05 46)*		
26 05 46 00-0061		Pin Insulator With Pin *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	89.17	37.44
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	94.81	37.44
26 05 46 00-0064		Suspension Insulator *(26 05 46 00-0060)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	117.94	49.92
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	133.27	49.92
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	196.28	62.40
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	323.85	99.84
26 05 46 00-0069		Spool Insulator With Clevis *(26 05 46 00-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	39.28	15.60
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	129.05	56.16
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	166.51	56.16
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	77.46	31.20
26 05 46 00-0075	EA	2 Spool Secondary Rack	82.42	39.81
26 05 46 00-0076	EA	3 Spool Secondary Rack	122.98	53.04
26 05 46 00-0077	EA	4 Spool Secondary Rack	137.03	53.04
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,387.41	212.16
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,110.35	212.16
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,600.57	358.80
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,729.60	358.80
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,737.69	212.16
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,277.37	212.16
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,600.57	358.80
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,729.60	358.80
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,385.01	246.48
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,491.30	246.48
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,168.33	424.32
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,301.58	424.32
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	3,331.22	265.20
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	3,719.09	280.80
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	4,013.64	312.00
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	4,448.56	343.20
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	6,308.12	374.40
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	4,200.65	431.26
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	4,843.06	473.00
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	5,757.69	528.64
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	6,508.49	584.29
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	3,599.40	709.50
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	9,202.51	834.70
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	10,952.01	945.99
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	13,158.53	1,168.59
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	14,795.98	1,279.87
26 05 46 00-0111		**Aluminum Tapered Poles** *(26 05 46)*		
26 05 46 00-0112		**Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,271.20	234.00
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,742.51	249.60
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,472.77	280.80
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,559.13	312.00
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	10,334.22	343.20
26 05 46 00-0118		**Steel Service Poles Distribution** *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		**Round Tapered Pole** *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	4,359.82	374.40
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	5,153.30	405.60
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	5,477.26	436.81
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	6,492.46	499.20
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	8,188.11	561.60
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	9,416.11	653.85
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	10,431.39	741.77
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	11,496.94	834.70
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	12,836.74	945.99
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	13,739.13	1,001.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	14,808.26	1,112.93
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	16,291.81	1,252.05
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	17,805.20	1,418.99
26 05 46 00-0133		**12 Sided Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	8,231.70	374.40
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,109.06	405.60
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,123.70	436.81
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,065.56	499.20
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,000.72	561.60
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,270.62	653.85
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,897.44	741.77
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,229.83	834.70
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,558.68	945.99
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,833.14	1,001.64
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,989.93	1,112.93
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	27,442.15	1,252.05
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,028.75	1,418.99
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,757.72	1,585.93
26 05 46 00-0148		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	28.71	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	215.46	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	216.71	
26 05 46 00-0152		**Arms With Baseplates And Endplates** *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	695.67	62.40
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	773.08	62.40
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	913.40	93.60
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	981.10	93.60
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,120.44	124.80
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,197.80	124.80
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,618.25	156.00
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	1,705.10	156.00
26 05 46 00-0161		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0118)*		
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	188.64	62.40
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	236.06	62.40
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	300.91	62.40
26 05 46 00-0165		**Armless Construction Brackets** *(26 05 46 00-0118)*		
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	196.37	62.40
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	226.31	62.40
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	274.96	62.40
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	368.43	93.60
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	396.84	93.60
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	173.05	62.40
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	235.97	62.40
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	337.96	93.60
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	486.45	93.60
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	611.48	124.80
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	690.29	124.80
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	182.19	62.40
26 05 46 00-0181	EA	Pole Top Bracket - 5"	197.46	62.40
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	180.12	62.40
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	229.74	62.40
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	201.71	62.40
26 05 46 00-0187	EA	Static Wire Support Bracket	207.22	62.40
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	167.54	62.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0190	EA	Equipment Mounting T Bracket	195.52	62.40
26 05 46 00-0191	EA	15 KV Cutout	323.55	
26 05 46 00-0192	EA	9/10 KV Arrestor	284.20	62.40
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	241.29	62.40
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	223.69	62.40
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	834.00	62.40
26 05 46 00-0197		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,045.68	156.00
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	8,519.47	374.40
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	9,428.24	405.60
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	10,479.51	436.81
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	11,452.76	530.40
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	15,534.42	561.60
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	16,846.18	653.85
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	19,567.19	695.58
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	20,944.06	834.70
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	22,314.75	890.35
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	23,633.70	1,001.64
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	26,902.99	1,057.29
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	28,402.31	1,252.05
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	30,035.99	1,335.52
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	31,817.29	1,502.46
26 05 46 00-0214		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	21.83	
26 05 46 00-0216		**Special Steel Bases For Poles** *(26 05 46 00-0118)*		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	219.58	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	252.74	31.20
26 05 46 00-0219	EA	Series 4, 40' Pole And less	304.40	35.88
26 05 46 00-0220	EA	Series 5, 50' Pole And less	352.94	39.00

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001		**Conduit Markers Pressure-Sensitive** *(26 05 53)*		
		Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	7.58	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	7.80	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	8.25	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	8.33	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	8.42	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	8.55	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	11.51	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	11.69	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	11.82	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	11.95	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.24	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	12.53	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	12.80	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	13.05	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	15.27	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	15.76	
26 05 53 00-0018		**Labeling Existing Electrical Wires** *(26 05 53)*		
		Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019	EA	Labeling Existing Wire	1.46	
26 05 53 00-0020		**Equipment Labeling** *(26 05 53)*		
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	4.97	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	4.67	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	6.72	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	4.97	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	9.26	1.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	10.47	2.21
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	11.86	2.43
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	14.43	2.65
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	15.45	2.87
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.45	3.09
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	18.80	3.31
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.69	3.53
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.76	3.98
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.74	4.20
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.57	4.42
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	30.77	4.63
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	34.85	5.08
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.12	5.74

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	8.93	5.74
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	9.11	5.74
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	10.43	6.19
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	14.25	6.84
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	19.28	8.83
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	21.64	8.83
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	24.94	8.83
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	29.89	13.25
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	34.29	13.25
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	39.88	13.25
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	47.70	17.66
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	56.43	26.50
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	64.68	26.50
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	69.24	26.50
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	76.21	30.91
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	83.66	30.91
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	90.53	35.33
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	110.73	39.74

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	18.94	7.51
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	20.74	7.99
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	21.43	7.99
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	24.69	9.18
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	29.63	11.48
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	34.02	13.64
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	39.58	15.99
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	47.36	19.39
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	56.04	23.01
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	64.22	26.28
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	68.76	28.31
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	75.64	30.65
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	83.03	33.47
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	91.91	36.30
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	117.57	44.16

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	25.97	17.66
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	28.54	18.99
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	32.74	19.87
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	39.16	22.08
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	47.40	24.29
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	56.88	26.50
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	72.46	28.70
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	77.94	30.91
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	82.60	33.12
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	99.70	36.43
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	116.81	52.99
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	129.87	44.16
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	142.93	59.61
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	168.38	61.82
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	200.86	66.24

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	56.46	17.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	61.24	17.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	83.47	26.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.72*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	92.57	26.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.99*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	112.77	33.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	161.23	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.60*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	535.96	163.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.14*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	233.06	22.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.47*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	267.18	22.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.61*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	18.93	7.99
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	20.74	7.99
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	21.43	7.99
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	24.69	9.18
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	29.63	11.48
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	34.02	13.64
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	39.58	15.99
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	47.36	19.39
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	56.03	23.01
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	64.22	26.28
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	68.77	28.31
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	75.64	30.65
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	83.03	33.47
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	83.60	33.47
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	18.93	7.99
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	20.74	7.99
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	21.43	7.99
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	24.69	9.18
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	29.63	11.48
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	34.02	13.64
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	39.58	15.99
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	47.36	19.39
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	56.03	23.01
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	64.22	26.28
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	68.77	28.31
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	75.64	30.65
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	83.03	33.47
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	83.60	33.47

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	16.10	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	19.12	6.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	21.98	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	29.98	9.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.92*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	40.49	13.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	50.20	15.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	60.27	17.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	70.02	19.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.89*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	83.04	22.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	95.95	24.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.58*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	108.88	26.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	121.68	28.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.21*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	134.67	30.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	151.75	35.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.13*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	172.41	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	62.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.34*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	58.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0126		**Other Connections** *(26 05 83)*		
26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	5.21	2.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	5.33	2.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	5.45	2.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.21*	
26 05 83 00-0130		**Motor/Equipment Connections And Terminations** *(26 05 83)*		
		Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131		**AC Single Phase, 230 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.88	11.04
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.25	11.04
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	45.42	13.25
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	53.44	16.56
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.70	16.56
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.95	16.56
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.11	16.56
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.66	22.08
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.33	22.08
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	96.84	27.60
26 05 83 00-0142		**AC Three Phase, 230 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.25	11.04
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	45.42	13.25
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	53.44	16.56
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.70	16.56
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.95	16.56
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.11	16.56
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.66	22.08
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.33	22.08
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	96.84	27.60
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	103.15	27.60
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	139.05	33.12
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.64	33.12
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	208.20	44.16
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	261.83	55.20
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	302.34	66.24
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	368.07	77.28
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	425.74	88.32
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	524.28	110.40
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	614.04	131.38
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	739.45	153.23
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	994.03	229.81
26 05 83 00-0164		**AC Three Phase, 460 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.25	11.04
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	45.42	13.25
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	53.44	16.56
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.70	16.56
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	54.95	16.56
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	59.11	16.56
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.66	22.08
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.33	22.08
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	96.84	27.60
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	103.15	27.60
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	139.05	33.12
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.64	33.12
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	208.20	44.16
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	261.97	55.29
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	302.34	66.24
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	368.07	77.28
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	425.74	88.32
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	524.28	110.40
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	614.17	131.43
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	739.62	153.33
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	994.42	229.98
26 05 83 00-0186		**AC Single Phase, 120 Volt** *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	40.88	11.04
26 05 83 00-0188		**Motor Moisture Sensor** *(26 05 83 00-0130)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	813.77	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors (26 09 23)

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	456.53	35.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.20*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	584.13	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,157.31	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,865.13	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,212.32	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	516.35	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	637.49	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,234.35	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,003.66	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,506.86	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	621.36	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	768.23	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,523.41	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,444.33	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,867.93	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.49*	

26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)

26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)

26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,058.59	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,269.66	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,480.72	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	

26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)

26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,602.34	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,470.58	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,834.17	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	9,496.28	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	

26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)

26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,467.31	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,423.95	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,362.92	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	866.74	35.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.20*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,127.99	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,241.86	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,405.55	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,841.53	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	883.69	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,181.35	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,322.08	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,543.02	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,135.01	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	949.30	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,312.10	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,034.15	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,406.69	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,662.26	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.49*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,600.71	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,135.04	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,604.80	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,817.70	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,437.45	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,686.33	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,385.07	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	755.49	35.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.20*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	861.89	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,697.99	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,377.19	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,874.66	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	797.94	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	917.37	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,778.21	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,516.78	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,619.77	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	855.44	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	970.73	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,095.90	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,988.19	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,060.35	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.49*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,217.85	35.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.20*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,405.76	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,785.72	61.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,917.61	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,501.75	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,275.36	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,461.23	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,865.94	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.40*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,058.26	92.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.64*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,248.98	121.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.86*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,338.65	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,514.59	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,606.64	79.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.69*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,950.56	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.94*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,777.29	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.49*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	858.07	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,660.31	70.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	2,264.49	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	5,818.48	110.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.24*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	901.90	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	7,955.05	132.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.49*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,552.23	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,426.31	77.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.63*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,030.16	102.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.21*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,609.34	133.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.15*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,000.94	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,659.02	77.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.63*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,926.26	102.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.21*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,593.18	133.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.15*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,717.61	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,998.80	77.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.63*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,572.43	102.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.21*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,150.29	133.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.15*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,167.92	48.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.15*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,234.69	77.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.63*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,470.13	102.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	14,134.13	133.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.15*	
26 09 23 00-0142		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	99.57	11.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.90*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	112.26	11.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.90*	
26 09 23 00-0145		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,678.05	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,217.97	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,767.52	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.50*	
26 09 23 00-0149		Dimming Module Contol (Leviton) *(26 09 23)*		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	217.87	5.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 09 23 00-0151		Light Control Panels *(26 09 23)*		
26 09 23 00-0152		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*		
26 09 23 00-0153		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,872.13	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,722.05	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,970.40	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,081.82	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,373.39	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,110.97	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,265.52	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,556.81	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,198.34	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,489.89	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0164		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	160.69	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	122.29	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	47.37	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0168		Lighting Control Panels (Synergy) *(26 09 23 00-0151)*		
26 09 23 00-0169		Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,678.08	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	
26 09 23 00-0171		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	676.96	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	261.66	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	132.29	6.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	
26 09 23 00-0175		Lighting Switching Panels (Lutron) *(26 09 23 00-0151)*		
26 09 23 00-0176		Lighting Switching Panels (Lutron) *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,131.63	66.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.01*	

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26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,000.49	71.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.68*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	3,996.50	75.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.35*	
26 09 23 00-0180		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0151)*		
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,357.96	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,582.23	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,806.50	62.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.34*	
26 09 23 00-0184		**Power Filters** *(26 09 23 00-0151)*		
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	38,729.92	367.99
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	23,116.35	160.00
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	17,133.13	334.56
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	11,807.06	204.46
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	6,569.74	118.70
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	9,102.67	118.70
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,810.95	44.46
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,590.52	44.46
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,866.84	44.46
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,910.84	44.46
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	112.54	5.56
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	186.32	5.56
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	218.28	11.11
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	272.51	11.11
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	123.66	11.11
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	197.44	11.11
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	520.00	22.23
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	368.43	22.23
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	749.44	22.23
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	197.16	22.23
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	850.93	22.23
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,498.15	88.92
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,205.39	22.23
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	250.97	5.56
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.90	5.56
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	296.44	5.56
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.90	5.56
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	296.44	5.56
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	218.57	5.56
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	310.90	5.56
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	296.44	5.56
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	212.74	5.56
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	77.86	5.56
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	37.39	11.11
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	38.04	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	43.14	11.11
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	48.18	11.11
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	54.20	11.11
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	59.63	11.11
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	66.29	11.11
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	96.43	11.11
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	858.22	11.11
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	175.18	11.11
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,120.70	11.11
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	593.71	22.23
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	593.71	22.23
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	593.71	22.23
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	267.11	22.23
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	256.15	22.23
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	263.45	22.23
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	299.96	22.23
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	263.45	22.23
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	190.47	22.23
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	207.15	22.23
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	207.15	22.23
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	68.10	22.23
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	272.49	22.23
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	421.28	22.23
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	358.35	22.23
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	387.55	22.23
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	402.16	22.23
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	354.70	22.23
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	281.72	22.23
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	374.05	22.23
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	370.23	22.23
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	420.04	22.23
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	404.72	22.23
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	442.14	22.23
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	404.87	22.23
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	404.87	22.23
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	236.67	22.23
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	259.61	22.23
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	519.48	22.23
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	561.60	22.23
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	391.67	22.23
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	412.03	22.23
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,256.92	44.46
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	3,776.22	177.83
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	5,828.56	177.83
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	7,880.88	177.83
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	628.46	22.23
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	732.75	22.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D)	2,130.17	22.23
		Note: Includes white finish.		
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	258.61	11.11
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	314.23	11.11
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	315.62	11.11
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	328.73	11.11
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	256.52	5.56
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	503.32	22.23
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	280.84	22.23
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	280.84	22.23
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	336.46	22.23
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	336.46	22.23
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	256.52	5.56
		Note: Includes white finish.		
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	503.32	22.23
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	247.49	5.56
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	247.49	5.56
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	247.49	5.56
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	256.52	5.56
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	503.32	22.23
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	280.84	22.23
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	280.84	22.23
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	336.46	22.23
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	336.46	22.23
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	247.49	5.56
		Note: Includes white finish.		
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	256.52	5.56
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	503.32	22.23
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	76.43	22.23
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	686.28	22.23
26 09 23 00-0310		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	373.16	10.01
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	373.16	10.01
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	321.91	10.01
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	91.27	6.66
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	4.36	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	62.11	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	8.09	
26 09 23 00-0318		**Radio Controlled Devices (Lutron)** *(26 09 23)*		
26 09 23 00-0319		**Tabletop Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0320		**Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	522.59	6.66
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	686.26	6.66
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	870.40	6.66
26 09 23 00-0324		**Dimmable Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	522.59	6.66
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	624.89	6.66
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	870.40	6.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	522.59	6.66
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	686.26	6.66
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	870.40	6.66
26 09 23 00-0331		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	686.26	6.66
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	870.40	6.66
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	870.40	6.66
26 09 23 00-0335		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	522.59	6.66
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	686.26	6.66
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	624.89	6.66
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	768.10	6.66
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	686.26	6.66
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	829.48	6.66
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	686.26	6.66
26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	522.59	6.66
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	686.26	6.66
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	686.26	6.66
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	870.40	6.66
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	686.26	6.66
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	870.40	6.66
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	522.59	6.66
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	686.26	6.66
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	870.40	6.66
26 09 23 00-0354		Accessories For Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	92.95	6.66
26 09 23 00-0356		Wall Box Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	481.67	6.66
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	522.59	6.66
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	522.59	6.66
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	522.59	6.66
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	522.59	6.66
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	522.59	6.66
26 09 23 00-0363		Interfaces For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	481.67	6.66
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	481.67	6.66
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	481.67	6.66
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	1,001.33	6.66
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,443.25	6.66
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,443.25	6.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	624.89	6.66
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	706.72	6.66
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	829.48	6.66
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	931.77	6.66
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,289.81	6.66
26 09 23 00-0377		**Removal And Reinstallation Of Occupancy Sensors** *(26 09 23)*		
26 09 23 00-0378	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	30.01	
26 09 23 00-0379	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	20.00	
26 09 23 00-0380		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0381		**Occupancy Sensors** *(26 09 23 00-0380)* Note: Exclude boxes.		
26 09 23 00-0382		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0381)*		
26 09 23 00-0383		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0382)*		
26 09 23 00-0384	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	131.59	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0385	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	158.75	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0386		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0382)*		
26 09 23 00-0387	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	105.31	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0388	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	97.08	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0389	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	112.45	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0390	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	133.23	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0391	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	131.52	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0392		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0382)*		
26 09 23 00-0393	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	200.13	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0394	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	217.32	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0395		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0382)*		
26 09 23 00-0396	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	3.86	1.11
26 09 23 00-0397	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.23	1.11
26 09 23 00-0398	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.23	1.11
26 09 23 00-0399		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0381)*		
26 09 23 00-0400		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0399)*		
26 09 23 00-0401		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0402	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	156.01	10.01
26 09 23 00-0403	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	185.56	10.01
26 09 23 00-0404	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	215.34	10.01
26 09 23 00-0405	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	212.65	10.01
26 09 23 00-0406		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0407	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	173.50	10.01
26 09 23 00-0408	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	203.48	10.01
26 09 23 00-0409	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	231.86	10.01
26 09 23 00-0410	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	236.67	10.01
26 09 23 00-0411	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	191.42	10.01

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26 09 23 00-0412	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	222.14	10.01
26 09 23 00-0413	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	252.74	10.01
26 09 23 00-0414	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	261.55	10.01
26 09 23 00-0415		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0400)*		
26 09 23 00-0416	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	182.16	10.01
26 09 23 00-0417	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	217.97	10.01
26 09 23 00-0418	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	247.95	10.01
26 09 23 00-0419	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	168.97	10.01
26 09 23 00-0420	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	214.10	10.01
26 09 23 00-0421	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	228.72	10.01
26 09 23 00-0422	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	184.02	10.01
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	210.01	10.01
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	242.10	10.01
26 09 23 00-0425		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0399)*		
26 09 23 00-0426	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	121.52	10.01
26 09 23 00-0427	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	125.00	10.01
26 09 23 00-0428	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	133.27	10.01
26 09 23 00-0429	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	155.45	10.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0430	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	158.14	10.01
26 09 23 00-0431	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	169.75	10.01
26 09 23 00-0432	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	188.32	10.01
26 09 23 00-0433		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0399)*		
26 09 23 00-0434	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	231.61	10.01
26 09 23 00-0435	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	270.91	10.01
26 09 23 00-0436	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	223.27	10.01
26 09 23 00-0437		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0381)*		
26 09 23 00-0438		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0437)*		
26 09 23 00-0439	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	294.45	10.01
26 09 23 00-0440	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	294.45	10.01
26 09 23 00-0441		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0437)*		
26 09 23 00-0442	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	270.91	10.01
26 09 23 00-0443		**Occupancy Sensor Power Packs** *(26 09 23 00-0380)*		
26 09 23 00-0444		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		
26 09 23 00-0445	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	72.72	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0446	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	62.74	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0447		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		
26 09 23 00-0448	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	54.52	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0449		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0443)*		
26 09 23 00-0450	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	84.62	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0451		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0452	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	73.18	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0453	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	73.27	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0454		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		
26 09 23 00-0455	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	102.11	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0456	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	104.09	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0457		**Occupancy Sensor Power Supplies** *(26 09 23 00-0443)*		
26 09 23 00-0458	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	87.30	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0459	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	248.37	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0460		**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		
26 09 23 00-0461	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	341.14	8.89
26 09 23 00-0462		**DIN Rail Mounted, Occupancy Sensor Power Packs** *(26 09 23 00-0443)*		
26 09 23 00-0463	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	83.48	8.89
26 09 23 00-0464		**Occupancy Sensor Accessories** *(26 09 23 00-0380)*		
26 09 23 00-0465		**Protective Cages For Occupancy Sensors** *(26 09 23 00-0464)*		
26 09 23 00-0466	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	55.67	3.33
26 09 23 00-0467		**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0464)*		
26 09 23 00-0468	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	30.68	5.56
26 09 23 00-0469		**Occupancy/Lighting Logger** *(26 09 23 00-0464)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0470	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	438.85	18.90
26 09 23 00-0471		**Digital Time Light Switches** *(26 09 23 00-0380)*		
26 09 23 00-0472	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	93.19	4.45
26 09 23 00-0473		**Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor** *(26 09 23 00-0380)*		
26 09 23 00-0474	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	184.52	14.45
26 09 23 00-0475		**Occupancy Sensors (Sensor Switch)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0476		**Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0475)* Note: Exclude boxes		
26 09 23 00-0477		**Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0476)*		
26 09 23 00-0478		**Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0477)*		
26 09 23 00-0479	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	213.48	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
26 09 23 00-0480	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	145.28	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0481	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	137.78	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0482	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	137.78	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0483	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	179.38	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0484	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	179.38	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0485	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	222.02	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0486	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	179.38	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0487		**Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0477)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0488	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	281.68	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
26 09 23 00-0489	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	213.48	4.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0490	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	208.38	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0491	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	208.38	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0492	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	247.58	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 09 23 00-0493	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	247.58	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0494	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	268.04	4.45
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0495		**Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0477)*		
26 09 23 00-0496	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	15.86	1.11
26 09 23 00-0497	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	15.86	1.11
26 09 23 00-0498	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	36.32	1.11
26 09 23 00-0499	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	36.32	1.11
26 09 23 00-0500		**360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0476)*		
26 09 23 00-0501		**Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0500)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0502	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0503	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0504	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0505	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	241.64	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0506	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	241.64	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0507	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	187.08	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0508	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0509	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0510	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	255.28	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0511	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0512	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0513	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0514	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	241.64	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0515	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	241.64	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0516	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	187.08	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0517	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0518	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0519	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	255.28	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0520		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0500)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0521	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0522	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0523	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0524	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0525	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	221.18	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0527	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	343.94	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	343.94	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	289.38	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0530	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0531	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0532	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0533	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0534	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	221.18	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0536	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	343.94	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	343.94	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	289.38	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 09 23 00-0539 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*

26 09 23 00-0540 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0539)*

26 09 23 00-0541	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0542	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0543	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	326.89	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0544	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0545	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	378.04	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 09 23 00-0546 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0539)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0547	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0548	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	343.94	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	412.13	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 09 23 00-0550 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0476)*

26 09 23 00-0551 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0550)*

26 09 23 00-0552	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0553	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0554	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	224.59	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0555	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	187.08	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0556	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	187.08	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0557	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	187.08	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0558	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	255.28	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0559	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	255.28	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0560	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	255.28	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0561	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0562	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0563	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0564	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0565	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0566	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	210.95	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0567	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0568	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0569	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0570	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	323.48	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0571	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	323.48	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0572	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	323.48	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0573	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	279.15	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0574	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	279.15	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0575	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	228.00	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0576	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	228.00	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0577	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	228.00	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0578	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	228.00	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0579	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0580	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	258.69	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0581	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	323.48	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0582	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	323.48	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0583	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	309.84	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0585	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	275.74	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 09 23 00-0586 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0475)*

26 09 23 00-0587	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	113.26	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0588	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	181.45	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0589	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	79.16	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0590	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	68.93	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0591	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	103.03	8.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0592	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	188.27	8.89
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0593	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	188.27	8.89
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 09 23 00-0594	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	188.27	8.89
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	

26 09 23 00-0595 Daylighting Control (Sensor Switch) *(26 09 23 00-0475)*

26 09 23 00-0596	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0597	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0598	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0599	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0600	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0601	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0602	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0603	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0604	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0605	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0606	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0607	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	190.49	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0608	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0609	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0610	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0611	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0612	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	
26 09 23 00-0613	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	292.79	10.01
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 09 23 00-0614 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0615 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0614)*

Note: Excludes boxes.

26 09 23 00-0616 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*

26 09 23 00-0617 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0616)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0618	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	341.80	4.45

26 09 23 00-0619 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*

26 09 23 00-0620 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0619)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0621	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	385.83	10.01
26 09 23 00-0622	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	385.83	10.01
26 09 23 00-0623	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	385.83	10.01

26 09 23 00-0624 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0619)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0625	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	458.99	10.01
26 09 23 00-0626	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	458.99	10.01
26 09 23 00-0627	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	477.25	10.01

26 09 23 00-0628 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*

26 09 23 00-0629 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0628)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0630	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	458.99	10.01

26 09 23 00-0631 High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0615)*

26 09 23 00-0632 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0631)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0633	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	385.83	10.01
26 09 23 00-0634		**Occupancy Sensor Power Packs (Sensor Switch nLight®)** *(26 09 23 00-0614)*		
26 09 23 00-0635	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	109.23	8.89
26 09 23 00-0636	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	145.85	8.89
26 09 23 00-0637	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	208.01	8.89
26 09 23 00-0638	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	208.01	8.89
26 09 23 00-0639		**Occupancy Sensor Accessories (Sensor Switch nLight®)** *(26 09 23 00-0614)*		
26 09 23 00-0640	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	477.25	10.01
26 09 23 00-0641	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	376.44	10.01
26 09 23 00-0642		**Daylighting Controls (Sensor Switch nLight®)** *(26 09 23 00-0614)*		
26 09 23 00-0643	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	312.66	10.01
26 09 23 00-0644		**Controls (Sensor Switch nLight®)** *(26 09 23 00-0614)*		
26 09 23 00-0645	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	191.94	10.01
26 09 23 00-0646	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	294.40	10.01
26 09 23 00-0647	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	733.37	10.01
26 09 23 00-0648	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	733.37	10.01
26 09 23 00-0649	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,855.16	10.01
26 09 23 00-0650		**Occupancy Sensors (Lutron)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0651		**Wireless Occupancy Sensors** *(26 09 23 00-0650)*		
26 09 23 00-0652	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	132.56	10.01
26 09 23 00-0653	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	140.12	10.01
26 09 23 00-0654	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	134.36	10.01
26 09 23 00-0655	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	144.36	10.01
26 09 23 00-0656	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	136.60	10.01
26 09 23 00-0657	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	144.36	10.01
26 09 23 00-0658	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	132.56	10.01
26 09 23 00-0659	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	136.60	10.01
26 09 23 00-0660	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	134.36	10.01
26 09 23 00-0661	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	228.55	10.01
26 09 23 00-0662	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	246.49	10.01
26 09 23 00-0663	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	286.86	10.01
26 09 23 00-0664	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	304.80	10.01
26 09 23 00-0665	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	313.77	10.01
26 09 23 00-0666	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	331.71	10.01
26 09 23 00-0667	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	172.03	10.01
26 09 23 00-0668	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	183.69	10.01
26 09 23 00-0669	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	221.82	10.01
26 09 23 00-0670	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	250.98	10.01
26 09 23 00-0671	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	273.40	10.01
26 09 23 00-0672	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	230.79	10.01
26 09 23 00-0673	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	209.01	10.01
26 09 23 00-0674	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	168.48	10.01
26 09 23 00-0675	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	216.27	10.01
26 09 23 00-0676	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	270.86	10.01
26 09 23 00-0677	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	289.85	10.01
26 09 23 00-0678	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	289.85	10.01
26 09 23 00-0679	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	289.85	10.01
26 09 23 00-0680	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	307.26	10.01
26 09 23 00-0681	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	505.29	14.45
26 09 23 00-0682		**Nodes And Modules** *(26 09 23 00-0650)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0683	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	239.76	10.01
26 09 23 00-0684	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	239.76	10.01
26 09 23 00-0685	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	313.77	10.01
26 09 23 00-0686	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	313.77	10.01
26 09 23 00-0687	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	407.95	11.11
26 09 23 00-0688	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	407.95	11.11
26 09 23 00-0689	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	504.39	11.11
26 09 23 00-0690	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	517.84	11.11
26 09 23 00-0691	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	650.16	11.11
26 09 23 00-0692	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	692.77	11.11
26 09 23 00-0693	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	735.38	11.11
26 09 23 00-0694	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,037.18	17.78
26 09 23 00-0695	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,991.15	20.00
26 09 23 00-0696	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,948.75	22.23

26 09 23 00-0697 Other Accessories *(26 09 23 00-0650)*

26 09 23 00-0698	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	22.50	
26 09 23 00-0699	EA	Pico® Wireless Control (Lutron® PJ)	53.88	
26 09 23 00-0700	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	161.42	
26 09 23 00-0701	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	316.16	
26 09 23 00-0702	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	300.83	10.01
26 09 23 00-0703	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	391.73	10.01
26 09 23 00-0704	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	391.73	10.01
26 09 23 00-0705	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	663.62	11.11
26 09 23 00-0706	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	926.01	11.11
26 09 23 00-0707	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,127.87	10.01
26 09 23 00-0708	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,118.92	10.01
26 09 23 00-0709	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,511.39	10.01
26 09 23 00-0710	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,291.04	309.12
26 09 23 00-0711	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,188.11	309.12

26 09 23 00-0712 Fixture Mounted Occupancy Sensors (Leviton) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0713	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	125.38	10.01
26 09 23 00-0714	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	104.75	10.01
26 09 23 00-0715	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	142.43	10.01
26 09 23 00-0716	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	104.75	10.01
26 09 23 00-0717	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	222.65	4.42

26 09 23 00-0718 Wireless Enabled Communication Devices For Streetlights *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0719 Wireless Enabled Communication Nodes For Streetlights (Roam®) *(26 09 23 00-0718)*

26 09 23 00-0720	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	344.12	
26 09 23 00-0721	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	490.45	

26 09 23 00-0722 Wireless Enabled Communication Devices For Streetlights (Roam®) *(26 09 23 00-0718)*

26 09 23 00-0723	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	40.50	
26 09 23 00-0724	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,692.53	29.73

26 09 23 00-0725 Counter Mounted Consolets *(26 09 23)*

26 09 23 00-0726	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	501.35	55.20

26 09 23 00-0727 Lighting Console And Stations *(26 09 23)*

26 09 23 00-0728	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	4,997.03	55.20
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*113.00*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,204.85*	
26 09 23 00-0729	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,471.47	33.12

26 09 23 00-0730 Theatre Lighting Console *(26 09 23)*

26 09 23 00-0731	EA	Theatre Lighting Console (ETC Colorsource 20)	3,482.17	66.24

26 09 23 00-0732 Emergency Lighting Controls *(26 09 23)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0733		Emergency Lighting Control Units (Watt Stopper ELCU) *(26 09 23 00-0732)*		
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0734	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	211.56	11.11
26 09 23 00-0735	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	211.56	11.11
26 09 23 00-0736		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0732)*		
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0737	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	361.59	15.56
26 09 23 00-0738	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	507.50	17.78
26 09 23 00-0739	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	700.92	20.00
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0740		Photocells *(26 09 23)*		
26 09 23 00-0741	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	59.16	
26 09 23 00-0742	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	94.11	
26 09 23 00-0743		Outdoor Lighting Motion Sensors *(26 09 23)*		
26 09 23 00-0744	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	93.23	11.11
26 09 23 00-0745	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	106.10	11.11
26 09 23 00-0746	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	584.02	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 09 23 00-0747		Street Light Controls *(26 09 23)*		
26 09 23 00-0748		Photo Controls *(26 09 23 00-0747)*		
26 09 23 00-0749	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	59.56	
26 09 23 00-0750	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	74.20	
26 09 23 00-0751		Connector Node *(26 09 23 00-0747)*		
26 09 23 00-0752	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	537.59	1.77

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*		
		Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	111,199.48	805.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*491.52*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	136,260.35	1,018.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*614.40*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	155,433.51	1,018.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*614.40*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	179,400.84	1,018.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*655.36*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	203,365.77	1,255.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*756.19*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,557.95	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.75*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	576.69	58.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.85*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	976.45	58.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.68*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	765.82	58.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.85*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,862.57	197.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.30*	
26 11 13 00-0014		"Switchyard", Substation Transformer Section *(26 11 13)*		
		Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0015		**14.4 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	61,317.36	805.38
		For 50 Hz Operation, Add	*7,161.47*	
		For Forced Air-Cooling, Add	*7,161.47*	
		For External Control Panel, Add	*1,790.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*596.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,983.95*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,459.87*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,951.84*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	69,423.04	1,009.10
		For 50 Hz Operation, Add	*8,085.00*	
		For Forced Air-Cooling, Add	*8,085.00*	
		For External Control Panel, Add	*2,021.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*673.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,368.75*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,421.88*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,106.25*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	107,751.54	1,421.27
		For 50 Hz Operation, Add	*12,580.66*	
		For Forced Air-Cooling, Add	*12,580.66*	
		For External Control Panel, Add	*3,145.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,048.39*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,241.94*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,104.85*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,725.82*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	158,674.11	1,891.99
		For 50 Hz Operation, Add	*18,551.20*	
		For Forced Air-Cooling, Add	*18,551.20*	
		For External Control Panel, Add	*4,637.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,545.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,729.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*19,324.17*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*23,189.00*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	195,233.15	2,448.46
		For 50 Hz Operation, Add	*22,815.86*	
		For Forced Air-Cooling, Add	*22,815.86*	
		For External Control Panel, Add	*5,703.97*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,901.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,506.61*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,766.53*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,519.83*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	67,696.35	1,089.64
		For 50 Hz Operation, Add	*7,877.80*	
		For External Control Panel, Add	*1,969.45*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*656.48*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,282.42*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,206.04*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,847.25*	
		For Forced Air-Cooling, Add	*5,251.87*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	76,759.32	1,089.64
		For 50 Hz Operation, Add	*8,914.35*	
		For External Control Panel, Add	*2,228.59*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*742.86*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,714.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,285.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,142.94*	
		For Forced Air-Cooling, Add	*5,942.90*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	125,885.04	1,610.77
		For 50 Hz Operation, Add	*14,712.99*	
		For External Control Panel, Add	*3,678.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,226.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,130.41*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,326.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,391.23*	
		For Forced Air-Cooling, Add	*9,808.66*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	168,579.09	2,448.46
		For 50 Hz Operation, Add	*19,617.38*	
		For External Control Panel, Add	*4,904.34*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,634.78*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,173.91*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,434.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,521.72*	
		For Forced Air-Cooling, Add	*13,078.25*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	213,002.58	2,448.46
		For 50 Hz Operation, Add	*24,948.20*	
		For External Control Panel, Add	*6,237.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,079.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,395.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*25,987.70*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,185.24*	
		For Forced Air-Cooling, Add	*16,632.13*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	85,397.22	1,302.83
		For 50 Hz Operation, Add	*9,950.90*	
		For External Control Panel, Add	*2,487.72*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*829.24*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,146.21*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,365.52*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,438.62*	
		For Forced Air-Cooling, Add	*6,633.93*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	103,178.87	2,037.15
		For 50 Hz Operation, Add	*12,023.99*	
		For External Control Panel, Add	*3,006.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,002.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,010.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,524.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,029.99*	
		For Forced Air-Cooling, Add	*8,016.00*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	142,697.62	2,037.15
		For 50 Hz Operation, Add	*16,632.19*	
		For External Control Panel, Add	*4,158.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,386.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,930.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,325.20*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,790.24*	
		For Forced Air-Cooling, Add	*11,088.13*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	186,348.37	2,392.80
		For 50 Hz Operation, Add	*21,749.69*	
		For External Control Panel, Add	*5,437.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,812.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,062.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*22,655.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*27,187.11*	
		For Forced Air-Cooling, Add	*14,499.79*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	329,931.88	3,060.57
		For 50 Hz Operation, Add	*38,808.32*	
		For External Control Panel, Add	*9,702.08*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,234.03*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,170.13*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,425.33*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,510.40*	
		For Forced Air-Cooling, Add	*25,872.21*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	134,159.86	1,516.02
		For 50 Hz Operation, Add	*15,741.71*	
		For External Control Panel, Add	*3,935.43*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,311.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,559.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,397.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,677.14*	
		For Forced Air-Cooling, Add	*10,494.48*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	151,998.67	1,516.02
		For 50 Hz Operation, Add	*17,846.62*	
		For External Control Panel, Add	*4,461.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,487.22*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,436.09*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,590.23*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,308.28*	
		For Forced Air-Cooling, Add	*11,897.75*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	212,300.34	2,037.15
		For 50 Hz Operation, Add	*24,984.52*	
		For External Control Panel, Add	*6,246.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,082.04*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,410.22*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*26,025.54*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,230.65*	
		For Forced Air-Cooling, Add	*16,656.35*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	256,711.12	3,060.57
		For 50 Hz Operation, Add	*30,021.83*	
		For External Control Panel, Add	*7,505.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,501.82*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,509.10*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*31,272.74*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*37,527.29*	
		For Forced Air-Cooling, Add	*20,014.55*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	374,465.43	3,060.57
		For 50 Hz Operation, Add	*44,152.35*	
		For External Control Panel, Add	*11,038.09*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,679.36*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*18,396.81*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*45,992.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*55,190.43*	
		For Forced Air-Cooling, Add	*29,434.90*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	197,103.86	1,610.77
		For 50 Hz Operation, Add	*23,259.24*	
		For External Control Panel, Add	*5,814.81*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,938.27*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,691.35*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*24,228.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*29,074.06*	
		For Forced Air-Cooling, Add	*15,506.16*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	225,071.60	2,037.15
		For 50 Hz Operation, Add	*26,517.07*	
		For External Control Panel, Add	*6,629.27*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,209.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,048.78*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,621.95*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*33,146.34*	
		For Forced Air-Cooling, Add	*17,678.05*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	315,351.47	2,037.15
		For 50 Hz Operation, Add	*37,350.65*	
		For External Control Panel, Add	*9,337.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,112.55*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*15,562.77*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*38,906.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*46,688.32*	
		For Forced Air-Cooling, Add	*24,900.44*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	328,639.81	3,060.57
		For 50 Hz Operation, Add	*38,653.27*	
		For External Control Panel, Add	*9,663.32*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,221.11*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,105.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,263.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,316.59*	
		For Forced Air-Cooling, Add	*25,768.85*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	437,377.78	3,060.57
		For 50 Hz Operation, Add	*51,701.83*	
		For External Control Panel, Add	*12,925.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*4,308.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*21,542.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*53,856.07*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*64,627.29*	
		For Forced Air-Cooling, Add	*34,467.89*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	122,590.42	475.92
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	134,919.54	475.92
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	153,268.67	591.18
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	142,227.62	710.86
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	160,853.38	710.86
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	183,406.94	825.86
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	188,436.40	943.55
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	211,626.52	943.55
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	221,325.07	1,059.62

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	45,890.08	698.88
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	53,332.93	698.88

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	65,302.57	698.88
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	70,146.43	698.88

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	28,793.32	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,802.66	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	48,315.42	355.32
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,332.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,428.14*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*476.05*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	71,956.81	426.38
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,977.28*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,133.12*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*711.04*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	81,535.63	473.76
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,641.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,417.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.88*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	96,148.45	592.20
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,647.48*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,848.92*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*949.64*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	106,419.18	734.32
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,346.54*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,148.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,049.51*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	112,588.41	900.14
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,755.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,323.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,107.88*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	131,395.27	1,089.64
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,045.12*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,876.48*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,292.16*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	139,755.53	1,184.39
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,617.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,121.60*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,373.87*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	156,386.80	1,302.83
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,764.68*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,613.43*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,537.81*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	181,518.23	1,444.96
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*12,503.98*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,358.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,786.28*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	199,442.43	1,575.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*13,740.44*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,888.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,962.92*	
26 11 16 11-0024		Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*		
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	45,940.48	355.32
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,166.09*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,356.90*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*452.30*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	71,044.59	355.32
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,923.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,110.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*703.34*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	81,483.07	473.76
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,637.49*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,416.07*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.36*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	96,238.87	592.20
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,653.81*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,851.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*950.54*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	115,647.63	734.32
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,992.53*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,425.37*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,141.79*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	124,079.49	900.14
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,559.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,668.38*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,222.79*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	136,701.41	1,089.64
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,416.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,035.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,345.22*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	148,895.84	1,184.39
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,256.89*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,395.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,465.27*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	168,206.62	1,302.83
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,592.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,968.03*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,656.01*	
26 11 16 11-0034		Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*		
26 11 16 11-0035	EA	Sudden Pressure Relay	14,428.82	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	28,646.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	18,862.36	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	104,676.64	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	97,935.41	

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,615.21	626.88
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,926.92	722.82

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	86,688.49	379.00
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*18,980.51*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	86,735.86	402.70
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*18,985.24*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,997.29	473.76
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,245.70*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,143.39	521.14
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,246.47*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,450.66	615.88
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,491.33*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,517.79	710.64
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,223.36*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	144,297.25	852.76
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,540.73*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	171,156.05	947.51
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,426.93*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	224,087.02	994.89
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,060.37*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,639.06	379.00
		For Gas Filled Transformers, Add	*49,728.63*	
		For Single Phase Transformers, Deduct	*-2,072.03*	
		For Dry Type Unit, Add	*18,309.63*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	86,735.86	402.70
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*18,985.24*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,997.29	473.76
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,245.70*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,143.39	521.14
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,246.47*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,450.66	615.88
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,491.33*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,517.79	710.64
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,223.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	144,297.25	852.76
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,540.73*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	171,156.05	947.51
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,426.93*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	224,087.02	994.89
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,060.37*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	246,444.39	1,042.26
		For Gas Filled Transformers, Add	*146,615.92*	
		For Single Phase Transformers, Deduct	*-6,109.00*	
		For Dry Type Unit, Add	*53,967.62*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	275,773.13	1,089.64
		For Gas Filled Transformers, Add	*164,156.31*	
		For Single Phase Transformers, Deduct	*-6,839.85*	
		For Dry Type Unit, Add	*60,408.58*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	319,018.20	1,137.02
		For Gas Filled Transformers, Add	*190,046.50*	
		For Single Phase Transformers, Deduct	*-7,918.60*	
		For Dry Type Unit, Add	*69,911.12*	
26 11 16 11-0073		**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	93,093.63	426.38
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,378.27*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	96,172.81	450.07
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,050.00*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	102,528.37	521.14
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,431.17*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	108,087.42	568.51
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,642.79*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	123,118.66	663.26
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*26,926.92*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	136,237.39	758.01
		For Gas Filled Transformers, Add	*80,832.82*	
		For Single Phase Transformers, Deduct	*-3,368.03*	
		For Dry Type Unit, Add	*29,790.30*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	158,951.70	900.14
		For Gas Filled Transformers, Add	*94,290.86*	
		For Single Phase Transformers, Deduct	*-3,928.79*	
		For Dry Type Unit, Add	*34,753.34*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	193,469.33	994.89
		For Gas Filled Transformers, Add	*114,887.74*	
		For Single Phase Transformers, Deduct	*-4,786.99*	
		For Dry Type Unit, Add	*42,324.48*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	235,269.02	1,042.26
		For Gas Filled Transformers, Add	*139,910.69*	
		For Single Phase Transformers, Deduct	*-5,829.61*	
		For Dry Type Unit, Add	*51,509.04*	
26 11 16 11-0083		**Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	93,093.63	426.38
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,378.27*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	96,172.81	450.07
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,050.00*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	102,528.37	521.14
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,431.17*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	108,087.42	568.51
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,642.79*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	123,118.66	663.26
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*26,926.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	118,610.63	758.01
		For Gas Filled Transformers, Add	*70,256.77*	
		For Single Phase Transformers, Deduct	*-2,927.37*	
		For Dry Type Unit, Add	*25,912.42*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	122,739.47	900.14
		For Gas Filled Transformers, Add	*72,563.52*	
		For Single Phase Transformers, Deduct	*-3,023.48*	
		For Dry Type Unit, Add	*26,786.65*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	151,980.49	994.89
		For Gas Filled Transformers, Add	*89,994.43*	
		For Single Phase Transformers, Deduct	*-3,749.77*	
		For Dry Type Unit, Add	*33,196.94*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	181,494.00	1,042.26
		For Gas Filled Transformers, Add	*107,645.68*	
		For Single Phase Transformers, Deduct	*-4,485.24*	
		For Dry Type Unit, Add	*39,678.54*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	203,581.40	1,089.64
		For Gas Filled Transformers, Add	*120,841.27*	
		For Single Phase Transformers, Deduct	*-5,035.05*	
		For Dry Type Unit, Add	*44,526.39*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	240,316.98	1,137.02
		For Gas Filled Transformers, Add	*142,825.77*	
		For Single Phase Transformers, Deduct	*-5,951.07*	
		For Dry Type Unit, Add	*52,596.85*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	296,637.86	1,184.39
		For Gas Filled Transformers, Add	*176,561.44*	
		For Single Phase Transformers, Deduct	*-7,356.73*	
		For Dry Type Unit, Add	*64,976.07*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	588.68	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	1,083.34	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,466.40	223.25
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,270.55	279.07
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,020.87	334.89
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,968.59	418.60
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	20,099.20	502.32
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	28,777.65	586.04
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	34,054.59	697.67

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,466.40	223.25
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,518.23	279.07
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,020.87	334.89
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,968.59	418.60
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	20,099.20	502.32
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,231.74	586.04
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	32,761.75	697.67

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,177.43	223.25
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,486.21	279.07
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,245.16	334.89
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,789.58	418.60
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	19,343.38	502.32
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,709.10	586.04
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	32,881.09	697.67

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,519.06	223.25
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,869.12	279.07
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,868.13	334.89
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	20,014.75	418.60
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	22,958.84	502.32
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	32,056.11	586.04
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	41,512.93	697.67

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0037		Transformer Platforms *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	4,298.28	377.02
26 12 13 00-0039		Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,742.48	223.25
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,979.95	279.07
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,868.66	334.89
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	20,014.09	418.60
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	23,014.42	530.23
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	32,057.75	586.04
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	41,512.93	697.67
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	55,789.04	893.02
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	71,038.96	1,200.00
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	83,288.54	1,395.35
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	107,529.83	1,506.97
26 12 13 00-0051		Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,466.40	273.38
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,270.55	341.70
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,020.64	409.61
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,969.12	513.32
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	20,098.68	614.89
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	28,776.95	716.15
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	34,054.59	854.28
26 12 13 00-0059		Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,466.40	273.38
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,518.23	341.70
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,020.64	409.61
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,969.12	513.32
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	20,098.68	614.89
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,231.04	716.15
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	32,761.75	854.28
26 12 13 00-0067		Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*		
26 12 13 00-0068		Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,295.40	223.25
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,607.93	279.07
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,863.39	334.89
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,035.05	418.60
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,484.72	502.32
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,439.45	586.04
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	31,417.86	697.67
26 12 13 00-0076		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,638.65	223.25
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,782.31	279.07
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,488.11	334.89
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,284.48	418.60
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	15,452.70	502.32
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	23,686.63	586.04
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	27,665.05	697.67
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	196.61	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	873.82	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0003		**Primary, 4.16/4.8 KV Ground Y Or Delta** *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,833.94	236.88
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	25,698.61	284.26
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,697.78	331.63
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	38,466.58	355.32
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	43,884.50	379.00
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	57,416.01	497.44
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,593.47	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	6,464.92	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,709.82	236.88
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,318.77	236.88
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,637.20	324.52
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	46,213.86	324.52
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	51,959.55	426.38
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	62,163.02	426.38
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	102,004.40	592.20
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	7,457.96	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,889.64	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	9,565.65	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,553.54	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	2,209.02	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,458.52	236.88
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,249.52	236.88
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,277.66	324.52
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,041.89	324.52
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	56,500.07	426.38
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	70,201.94	426.42
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	89,206.71	592.20
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,154.98	199.68
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,195.57	280.80
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,899.49	449.28
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	76,563.73	449.28
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	105,956.55	736.33
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	143,592.35	736.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0046		Oil Filled Distribution Transformer Single Phase *(26 12 19 00-0001)*		
26 12 19 00-0047		7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,423.14	212.16
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,354.03	212.16
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,659.67	299.52
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,389.83	299.52
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,722.08	405.60
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,694.70	624.00
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	104,492.88	624.00
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	141,333.04	780.00
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,423.14	212.16
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,354.78	212.16
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,659.67	299.52
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,389.83	299.52
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,722.08	405.60
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,784.74	549.12
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,694.70	549.12
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	104,492.88	692.64
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	141,333.04	780.00
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,719.71	212.16
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,856.83	212.16
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,627.02	299.52
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	39,180.51	299.52
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	45,082.07	405.60
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	70,548.52	549.12
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	82,720.32	549.12
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	115,757.52	692.64
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	156,603.60	780.00
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,423.14	212.16
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,354.03	212.16
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,659.67	407.54
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,389.83	549.12
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,722.08	405.60
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,698.21	549.12
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,679.70	549.12
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,423.14	212.16
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,354.03	212.16
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,659.67	299.52
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,389.83	299.52
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,722.08	405.60
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,698.21	549.12
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	74,679.70	549.12
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,853.94	218.40
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,323.13	243.36
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,767.81	268.32
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	29,891.68	374.40
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	33,118.30	436.81
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	46,772.48	511.68
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	56,627.76	586.56
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,520.44	748.81
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	127,225.49	842.40
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*		
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	34,630.60	781.39
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	44,224.93	837.21
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	59,017.02	1,060.46
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	77,324.81	1,339.53
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	116,806.16	1,506.97
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	146,072.96	2,009.29
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 12 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0111		**Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0113	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	54,144.86	568.51
26 12 19 00-0114	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	60,806.48	568.51
26 12 19 00-0115	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	69,224.04	980.68
26 12 19 00-0116	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	81,635.62	980.68
26 12 19 00-0117	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	90,785.86	1,468.65
26 12 19 00-0118	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	123,937.34	1,942.40
26 12 19 00-0119	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	165,724.78	2,463.53
26 12 19 00-0120	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	191,117.48	2,984.67
26 12 19 00-0121		**Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0122	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	54,144.86	568.51
26 12 19 00-0123	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	60,806.48	568.51
26 12 19 00-0124	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	69,224.04	980.68
26 12 19 00-0125	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	82,041.08	980.68
26 12 19 00-0126	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	91,852.37	1,468.65
26 12 19 00-0127	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	124,189.69	1,942.40
26 12 19 00-0128	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	187,046.29	2,463.53
26 12 19 00-0129	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	195,674.42	2,984.67
26 12 19 00-0130		**Factory Modifications** *(26 12 19 00-0111)* Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0131	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	4,266.07	
26 12 19 00-0132	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	693.71	
26 12 19 00-0133	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,774.84	
26 12 19 00-0134	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,994.47	
26 12 19 00-0135	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	979.35	
26 12 19 00-0136	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	775.32	
26 12 19 00-0137		**Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)* Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0138	EA	Containment Area For 75 KVA	6,287.43	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*698.76*	
26 12 19 00-0139	EA	Containment Area For 112.5 KVA	6,287.43	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*698.76*	
26 12 19 00-0140	EA	Containment Area For 150 KVA	6,287.43	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*698.76*	
26 12 19 00-0141	EA	Containment Area For 225 KVA	6,287.43	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*698.76*	
26 12 19 00-0142	EA	Containment Area For 300 KVA	6,283.68	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*697.64*	
26 12 19 00-0143	EA	Containment Area For 500 KVA	6,283.68	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*697.64*	
26 12 19 00-0144	EA	Containment Area For 750 KVA	6,397.94	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*697.64*	
26 12 19 00-0145	EA	Containment Area For 1,000 KVA	8,054.68	1,048.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*697.64*	
26 12 19 00-0146		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0147	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,619.60	568.51
26 12 19 00-0148	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,067.98	568.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0149	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,700.24	568.51
26 12 19 00-0150	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	32,597.01	568.51
26 12 19 00-0151	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	33,794.90	852.76
26 12 19 00-0152	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	35,427.16	852.76
26 12 19 00-0153	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,014.24	852.76
26 12 19 00-0154	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	70,090.80	1,137.02
26 12 19 00-0155	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	91,310.15	1,137.02

26 12 19 00-0156 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL *(26 12 19 00-0111)*

Note: Rated to 5 KVA.

26 12 19 00-0157	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	24,435.73	568.51
26 12 19 00-0158	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,700.24	568.51
26 12 19 00-0159	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,516.37	568.51
26 12 19 00-0160	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,332.49	568.51
26 12 19 00-0161	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	33,794.90	852.76
26 12 19 00-0162	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	37,059.41	852.76
26 12 19 00-0163	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,014.24	852.76
26 12 19 00-0164	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	70,906.93	1,137.02
26 12 19 00-0165	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	91,310.15	1,137.02

26 12 19 00-0166 Primary 5 KV Or 15 KV, Secondary 277/480 Volt *(26 12 19 00-0110)*

Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.

26 12 19 00-0167	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	87,129.33	859.53
26 12 19 00-0168	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	94,629.72	1,014.70
26 12 19 00-0169	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	105,522.35	1,240.18
26 12 19 00-0170	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	126,264.51	1,395.35
26 12 19 00-0171	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	157,047.76	1,468.74
26 12 19 00-0172	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	187,183.19	2,146.04
26 12 19 00-0173	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	221,134.71	2,427.89
26 12 19 00-0174	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	278,523.53	2,790.68
26 12 19 00-0175	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	309,409.81	2,930.22
26 12 19 00-0176	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	324,965.90	3,265.21
26 12 19 00-0177	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	375,541.46	3,488.47

26 12 19 00-0178 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 12 19 00-0110)*

26 12 19 00-0179	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	156,642.86	2,111.30
26 12 19 00-0180	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	194,173.20	2,428.01
26 12 19 00-0181	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	222,499.83	2,555.77
26 12 19 00-0182	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	235,137.64	2,856.47
26 12 19 00-0183	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	265,786.63	2,943.02

26 12 19 00-0184 Silicone Filled Distribution Transformers, 3 Phase *(26 12 19 00-0110)*

Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 12 19 00-0185	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	154,100.96	1,014.70
26 12 19 00-0186	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	164,275.21	1,240.18
26 12 19 00-0187	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	192,886.45	1,395.35
26 12 19 00-0188	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	235,473.32	1,468.74
26 12 19 00-0189	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	279,269.11	2,146.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0190	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	357,605.79	2,427.89
26 12 19 00-0191	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	436,170.39	2,790.68
26 12 19 00-0192	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	500,990.68	2,930.22

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,414.87	648.96
		For Weatherproofing, Add	*5,060.27*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,766.49	648.96
		For Weatherproofing, Add	*5,357.63*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,350.26	826.80
		For Weatherproofing, Add	*7,447.58*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	47,896.11	826.80
		For Weatherproofing, Add	*10,413.75*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	70,205.20	998.40
		For Weatherproofing, Add	*15,305.14*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	63,255.00	998.40
		For Weatherproofing, Add	*13,769.03*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,432.02	748.81
		For Weatherproofing, Add	*7,914.63*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	44,406.03	936.00
		For Weatherproofing, Add	*9,638.16*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	63,751.92	1,123.20
		For Weatherproofing, Add	*13,872.16*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,636.91	748.81
		For Weatherproofing, Add	*7,511.46*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	48,654.03	748.81
		For Weatherproofing, Add	*10,577.28*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	72,671.16	998.40
		For Weatherproofing, Add	*15,840.58*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	43,490.55	998.40
		For Weatherproofing, Add	*9,429.25*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	65,042.98	1,248.00
		For Weatherproofing, Add	*14,152.90*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	92,861.47	1,248.00
		For Weatherproofing, Add	*20,254.10*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	62,157.51	1,248.00
		For Weatherproofing, Add	*13,512.87*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	88,068.89	1,248.00
		For Weatherproofing, Add	*19,195.40*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	115,682.46	1,248.00
		For Weatherproofing, Add	*25,253.38*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,817.38	408.72
		For Weatherproofing, Add	*2,102.50*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,481.66	408.72
		For Weatherproofing, Add	*2,908.64*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,049.03	542.88
		For Weatherproofing, Add	*3,014.95*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,410.67	670.80
		For Weatherproofing, Add	*3,736.41*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	24,826.88	670.80
		For Weatherproofing, Add	*5,367.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0029		**7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,723.65	624.00
		For Weatherproofing, Add	*2,733.91*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	16,721.33	624.00
		For Weatherproofing, Add	*3,595.01*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	26,590.96	624.00
		For Weatherproofing, Add	*5,748.19*	
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,846.75	530.40
		For Weatherproofing, Add	*2,752.38*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,907.23	530.40
		For Weatherproofing, Add	*2,985.68*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,502.06	655.20
		For Weatherproofing, Add	*4,418.30*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,101.69	786.24
		For Weatherproofing, Add	*3,652.07*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	22,099.14	786.24
		For Weatherproofing, Add	*4,751.51*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	25,325.65	917.28
		For Weatherproofing, Add	*5,442.79*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	22,624.39	1,048.33
		For Weatherproofing, Add	*4,830.30*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	26,048.79	1,048.33
		For Weatherproofing, Add	*5,583.66*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	32,749.68	1,173.12
		For Weatherproofing, Add	*7,039.47*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,443.89	395.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.26*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	7,128.30	438.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*263.29*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	9,565.34	527.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*316.75*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,374.57	793.92
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,320.54	40.32
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,557.35	40.32
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	23,262.66	40.32
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	18,212.93	40.32
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	19,912.06	40.32
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	27,220.64	40.32
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,046.31	40.32
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,615.25	40.32
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	7,177.02	40.32
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	4,478.40	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,556.81	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,556.81	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0060	EA	Indicating Wattmeter	2,454.81	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0061	EA	Indicating Varmeter	2,953.02	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,735.18	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	3,212.27	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	8,794.66	40.32
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	952.50	40.32
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	5,762.36	40.32
26 13 19		**Medium-Voltage Vacuum Interrupter Switchgear** *(26 13)*		
26 13 19 00-0001		**Vacuum Circuit Breakers 13.8 KV** *(26 13 19)*		
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	93,803.81	780.00
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	103,309.43	985.92
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	117,167.31	985.92
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	108,072.51	780.00
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	122,142.50	780.00
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	139,118.32	917.28
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	142,959.02	1,048.33
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	157,100.46	1,048.33
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	171,475.39	1,179.36
26 13 29		**Medium-Voltage Compartmentalized Switchgear** *(26 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0001		**Substation Secondary Distribution Section** *(26 13 29)* Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002		**Switchgear Compartment Complete With Air Circuit Breaker** *(26 13 29 00-0001)* Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	29,439.33	441.61
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	45,463.50	667.68
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	61,469.38	820.14
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	104,709.81	951.57
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	135,323.31	1,083.00
26 13 29 00-0008		**Switchgear Compartment Without Circuit Breaker** *(26 13 29 00-0001)*		
26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,985.58	134.06
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,006.48	134.06
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,641.68	197.15
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	28,506.97	197.15
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	48,028.02	289.16
26 13 29 00-0014		**Switchgear Compartment, Blank, Use As Filler Or Metering** *(26 13 29 00-0001)* Note: No provisions for future breaker.		
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,271.14	149.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.67*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	12,973.64	149.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.58*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	16,689.73	231.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.58*	
26 13 29 00-0018		**Accessories For Substation Secondary Distribution** *(26 13 29 00-0001)*		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	5,915.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	4,513.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	15,169.41	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	15,169.41	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	20,193.13	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	26,274.46	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	11,100.10	46.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.60*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	28,455.78	681.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.89*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	6,655.54	40.32
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	7,886.49	40.32
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	4,226.75	20.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	33,104.95	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	4,015.22	20.16

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001		**Sectionalizing Switch** *(26 18 36)*		
26 18 36 00-0002		**Pad Mounted Metal Enclosed Oil Filled Switching Units** *(26 18 36 00-0001)* Note: 15 KV - 25 KV.		
26 18 36 00-0003		**Sectionalizing Tapping And Fusing Underground Feeders** *(26 18 36 00-0002)* Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	99,578.20	355.32
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	112,130.41	355.32

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001		**Primary Fuse Cutouts** *(26 19 18)* Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002		**Non-Loadbreak Current Limiting Primary Fuse Cutouts** *(26 19 18 00-0001)* Note: Includes the fuse and cutout switch.		
26 19 18 00-0003		**8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	487.23	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	549.63	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	611.82	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.26*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	634.19	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.33*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	634.19	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.33*	
26 19 18 00-0009		**17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	487.23	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0011		**17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting** *(26 19 18 00-0002)*		
26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	517.20	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0013		**Fuseholders** *(26 19 18 00-0002)*		
		Note: Including current limiting fuse.		
26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	360.92	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	423.32	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	485.51	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.26*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	371.30	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	433.70	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	360.92	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0020		**Accessories** *(26 19 18 00-0002)*		
26 19 18 00-0021	EA	Hot Line Clamp	62.12	14.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.36*	
26 19 18 00-0022	EA	Stirrup	71.64	14.04
26 19 18 00-0023		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	720.58	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	782.98	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	845.17	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.26*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	889.29	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.33*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	889.29	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.33*	
26 19 18 00-0030		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	720.58	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0032		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	720.58	124.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0034		**Fuseholders** *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	371.63	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	434.03	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.60*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	496.22	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.26*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	371.63	156.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.88*	
26 19 18 00-0039		**Pole Mounted Capacitors** *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,581.58	125.80

26 19 80 Transmission and Distribution Accessories *(26 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60		**Structure Assemblies** *(26 19 80)*		
26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	282.57	118.56
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	468.73	199.68
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	726.82	156.00
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	445.81	81.12
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	535.42	112.32
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	856.74	224.64
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	696.57	168.48
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,179.09	336.96
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,354.87	380.64
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	789.21	187.20
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	562.92	199.68
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	971.10	405.60
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	917.18	243.36
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	513.65	174.72
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	879.31	355.68
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	865.74	180.96
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	312.54	118.56
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	511.54	199.68
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	872.40	156.00
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	497.19	81.12
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	608.20	106.08
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,002.32	224.64
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	803.61	168.48
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,397.45	336.96
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,650.30	380.64
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	934.79	187.20
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	618.58	199.68
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,026.76	405.60
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,028.50	243.36
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	569.31	168.48
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	934.97	355.68
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	977.06	218.40
26 19 80 60-0036		25 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,444.30	187.20
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	941.28	93.60
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,352.88	143.53
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,487.63	293.28
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,594.95	218.40
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,336.66	430.56
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,026.12	486.72
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,556.13	283.92
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,300.45	283.92
26 19 80 60-0046		50 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,939.02	255.84
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,083.57	131.04
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,242.35	205.92
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,262.06	418.08
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,754.34	312.00
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,298.89	624.00
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,032.70	692.64
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,103.91	336.96
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,974.56	390.00
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,928.68	368.16
26 19 80 60-0057		Overhead To Underground Conversion Structures *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		5 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,684.77	1,248.00
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,684.77	1,248.00
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,684.77	1,248.00
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,684.77	1,248.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0063		**15 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,886.23	1,248.00
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,886.23	1,248.00
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,886.23	1,248.00
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,886.23	1,248.00
26 19 80 60-0068		**25 KV Structures** *(26 19 80 60-0057)* Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,106.00	1,248.00
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,106.00	1,248.00
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,106.00	1,248.00
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,106.00	1,248.00
26 19 80 60-0073		**Transformer Stations** *(26 19 80 60)* Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		**5 KV Station** *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,685.30	1,663.12
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	7,478.50	1,871.63
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	8,271.70	2,080.00
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	8,271.70	2,080.00
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	6,685.30	1,663.12
26 19 80 60-0080		**15 KV Stations** *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,996.66	1,663.12
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	7,789.87	1,871.63
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	8,583.07	2,080.00
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	8,583.07	2,080.00
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	6,996.66	1,663.12
26 19 80 60-0086		**25 KV Stations** *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	7,336.34	1,663.12
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	8,129.54	1,871.63
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	8,922.74	2,080.00
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	8,922.74	2,080.00
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	7,336.34	1,663.12

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001 Service Drop Cable And Weatherheads *(26 21 13)*

26 21 13 00-0002 600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*

26 21 13 00-0003 Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	4.55	1.49
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	5.67	1.76
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.16	1.98
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.34	2.49

26 21 13 00-0008 Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	5.86	1.76
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	6.91	1.98
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.88	2.49
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.62	3.05
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.85	4.03
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.74	4.99
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.30	5.94

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*

26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	6.96	1.98
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.87	2.49
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.59	3.20
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.00	4.03
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.96	4.46
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.65	4.99
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	25.07	5.94
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	35.99	6.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0025		**Weatherproof Conduit Hubs** *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	22.97	7.77
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	26.42	8.83
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	32.87	9.89
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	49.14	13.25
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	55.59	14.31
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	83.11	16.60
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	127.59	18.72
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	177.33	22.08
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	283.86	44.16
26 21 13 00-0035		**Galvanized Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	31.71	7.77
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	36.89	8.83
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	43.64	9.89
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	58.93	13.25
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	70.93	14.31
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	107.19	16.60
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	239.01	18.72
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	267.20	22.08
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	389.27	44.16
26 21 13 00-0045		**Aluminum Clamp-On Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	29.03	7.77
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	32.38	8.83
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	37.55	9.85
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	49.28	13.25
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	57.90	14.31
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	69.97	16.60
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	169.20	18.72
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	232.10	22.08
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	313.79	33.12
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	347.49	44.16
26 21 13 00-0056		**Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap** *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	24.77	7.77
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	28.63	8.83
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	33.16	9.85
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	43.84	13.25
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	48.32	14.31
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	63.69	16.60
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	148.94	18.72
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	161.75	22.08
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	300.59	33.12
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	424.36	44.16

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,132.82	554.68
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,789.09	587.31
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,778.32	624.00
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,157.41	624.00
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,977.87	665.62
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,387.45	768.02
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,037.70	998.40

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,342.08	117.46
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,967.43	140.95
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,704.12	147.06
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,447.72	152.70
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,254.38	164.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,398.88	176.19
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*302.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*453.49*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,049.68	187.93
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*333.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*500.54*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,644.19	211.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*311.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*466.60*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,040.04	234.91
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*378.51*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*567.77*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,825.32	281.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*513.08*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*769.61*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,929.52	328.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*663.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*995.38*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	22,859.40	422.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,100.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,651.03*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	42,795.76	516.82
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,088.11*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,132.16*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	68,551.60	587.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,368.85*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,053.28*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,452.17	140.95
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,878.46	146.82
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,524.77	152.70
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,084.03	164.44

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,701.20	176.19
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,383.37	187.93

26 22 13 00-0025 1 Phase Mounting Brackets *(26 22 13 00-0001)*

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	352.32	80.64

26 22 13 00-0027 1 Phase Weathershields *(26 22 13 00-0001)*

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	217.81	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	277.64	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	331.08	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	394.97	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	534.37	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	638.92	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	784.13	

26 22 13 00-0035 Packaged Power Supply *(26 22 13 00-0001)*

Note: 2-5 Percent FCBN taps.

26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,495.86	146.82
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,049.69	152.70
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,396.08	164.44
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	5,631.13	176.19
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,249.57	187.93

26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade *(26 22 13 00-0001)*

26 22 13 00-0042	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	2,621.90	105.71
26 22 13 00-0043	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	3,981.30	117.46
26 22 13 00-0044	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,609.13	140.95
26 22 13 00-0045	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,172.68	146.82
26 22 13 00-0046	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,939.50	152.70
26 22 13 00-0047	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	7,937.85	164.44
26 22 13 00-0048	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	10,621.56	176.19

26 22 13 00-0049 600 Volt, 208/120 Volt, Dry General Purpose Transformer *(26 22 13 00-0001)*

26 22 13 00-0050	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,423.18	176.19
26 22 13 00-0051	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,879.91	187.93
26 22 13 00-0052	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,382.73	199.68
26 22 13 00-0053	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,419.49	211.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0054	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,150.70	223.17
26 22 13 00-0055	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	27,401.32	234.91

26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0057 Packaged Power Supply *(26 22 13 00-0056)*

Note: 2-5 Percent FCBN taps.

26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	16,359.00	505.07
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*767.44*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,151.16*	
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	20,101.15	540.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*951.03*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,426.54*	
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	24,512.50	587.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,166.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,750.34*	

26 22 13 00-0061 Drive Isolation Transformers *(26 22 13 00-0056)*

Note: Only use in step-up applications.

26 22 13 00-0062 230 Volt Drive Isolation Transformers *(26 22 13 00-0061)*

26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,095.06	187.93
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,123.38	199.68
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,547.84	211.43
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,174.94	223.17
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,633.58	246.66
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,295.13	270.15
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,769.30	293.65
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,256.01	328.89
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,359.19	340.63
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,718.47	352.37
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	39,205.04	364.12
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	43,748.05	446.34
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	48,996.91	469.83
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	56,448.42	493.32
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	68,959.40	587.29
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	91,967.14	693.00
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	96,844.86	763.48
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	118,538.56	845.70
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	147,050.81	939.67

26 22 13 00-0082 208V Drive Isolation Transformers *(26 22 13 00-0061)*

26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,640.66	187.93
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,771.04	199.68
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,215.90	211.43
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,975.53	223.17
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,455.12	246.66
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,175.36	258.41
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,820.05	305.39
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,457.16	328.89
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	27,666.20	340.63
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	32,246.17	352.37
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	41,163.52	364.12
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,929.39	446.34
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	51,443.03	469.83
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	59,271.42	493.32
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	72,409.66	587.29

26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,372.12	193.81
26 22 13 00-0100	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,006.45	211.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	

26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,044.15	258.41
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*526.37*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*789.55*	
		For K4 Factor Rating, Add	*7,369.13*	
		For K13 Factor Rating, Add	*10,527.33*	
		For K20 Factor Rating, Add	*13,685.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,576.16	281.90
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*650.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*975.93*	
		For K4 Factor Rating, Add	*9,108.65*	
		For K13 Factor Rating, Add	*13,012.36*	
		For K20 Factor Rating, Add	*16,916.07*	
26 22 13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,107.91	305.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*674.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,012.28*	
		For K4 Factor Rating, Add	*9,447.99*	
		For K13 Factor Rating, Add	*13,497.13*	
		For K20 Factor Rating, Add	*17,546.27*	
26 22 13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,105.34	328.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*922.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,383.57*	
		For K4 Factor Rating, Add	*12,913.31*	
		For K13 Factor Rating, Add	*18,447.58*	
		For K20 Factor Rating, Add	*23,981.85*	
26 22 13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,614.57	352.37
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*895.49*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,343.24*	
		For K4 Factor Rating, Add	*12,536.87*	
		For K13 Factor Rating, Add	*17,909.82*	
		For K20 Factor Rating, Add	*23,282.77*	
26 22 13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	23,297.73	422.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,122.60*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,683.90*	
		For K4 Factor Rating, Add	*15,716.42*	
		For K13 Factor Rating, Add	*22,452.03*	
		For K20 Factor Rating, Add	*29,187.64*	
26 22 13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	30,882.91	469.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,497.16*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,245.74*	
		For K4 Factor Rating, Add	*20,960.27*	
		For K13 Factor Rating, Add	*29,943.24*	
		For K20 Factor Rating, Add	*38,926.21*	
26 22 13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	42,546.77	587.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,068.61*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,102.91*	
		For K4 Factor Rating, Add	*28,960.53*	
		For K13 Factor Rating, Add	*41,372.19*	
		For K20 Factor Rating, Add	*53,783.85*	
26 22 13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	51,761.99	728.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,515.28*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,772.91*	
		For K4 Factor Rating, Add	*35,213.86*	
		For K13 Factor Rating, Add	*50,305.51*	
		For K20 Factor Rating, Add	*65,397.16*	
26 22 13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	75,449.63	892.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,683.21*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,524.82*	
		For K4 Factor Rating, Add	*51,564.98*	
		For K13 Factor Rating, Add	*73,664.26*	
		For K20 Factor Rating, Add	*95,763.54*	
26 22 13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	181,845.22	1,089.64
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*8,984.20*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,476.30*	
		For K4 Factor Rating, Add	*125,778.79*	
		For K13 Factor Rating, Add	*179,683.99*	
		For K20 Factor Rating, Add	*233,589.19*	
26 22 13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	241,575.08	1,174.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*11,961.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*17,941.94*	
		For K4 Factor Rating, Add	*167,458.14*	
		For K13 Factor Rating, Add	*239,225.91*	
		For K20 Factor Rating, Add	*310,993.68*	

26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0056)*

26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,807.81	182.06
		For K4 Factor Rating, Add	*3,810.58*	
		For K13 Factor Rating, Add	*5,443.69*	
		For K20 Factor Rating, Add	*7,076.80*	
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,372.12	193.81
		For K4 Factor Rating, Add	*4,889.16*	
		For K13 Factor Rating, Add	*6,984.51*	
		For K20 Factor Rating, Add	*9,079.86*	
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,006.45	211.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	
		For K4 Factor Rating, Add	*6,708.52*	
		For K13 Factor Rating, Add	*9,583.60*	
		For K20 Factor Rating, Add	*12,458.68*	

26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps

(26 22 13 00-0056)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,556.02	258.41
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,001.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,502.94*	
		For K4 Factor Rating, Add	*14,027.44*	
		For K13 Factor Rating, Add	*20,039.20*	
		For K20 Factor Rating, Add	*26,050.96*	
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	22,910.42	305.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,114.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,672.47*	
		For K4 Factor Rating, Add	*15,609.75*	
		For K13 Factor Rating, Add	*22,299.64*	
		For K20 Factor Rating, Add	*28,989.53*	
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,619.85	352.37
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,695.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,543.63*	
		For K4 Factor Rating, Add	*23,740.57*	
		For K13 Factor Rating, Add	*33,915.10*	
		For K20 Factor Rating, Add	*44,089.63*	
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	43,624.79	422.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,138.95*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,208.43*	
		For K4 Factor Rating, Add	*29,945.36*	
		For K13 Factor Rating, Add	*42,779.09*	
		For K20 Factor Rating, Add	*55,612.82*	
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	52,870.58	469.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,596.55*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,894.82*	
		For K4 Factor Rating, Add	*36,351.64*	
		For K13 Factor Rating, Add	*51,930.91*	
		For K20 Factor Rating, Add	*67,510.18*	
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	67,895.73	587.29
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,336.06*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,004.09*	
		For K4 Factor Rating, Add	*46,704.81*	
		For K13 Factor Rating, Add	*66,721.15*	
		For K20 Factor Rating, Add	*86,737.50*	
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	82,434.50	728.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*4,048.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*6,073.35*	
		For K4 Factor Rating, Add	*56,684.61*	
		For K13 Factor Rating, Add	*80,978.02*	
		For K20 Factor Rating, Add	*105,271.43*	
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	134,787.42	892.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,650.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*9,975.15*	
		For K4 Factor Rating, Add	*93,101.44*	
		For K13 Factor Rating, Add	*133,002.05*	
		For K20 Factor Rating, Add	*172,902.67*	

26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0056)*

26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0127)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	9,236.04	211.43
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	14,477.38	258.41
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	21,869.10	305.39
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	28,261.83	352.37
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	43,353.87	422.85
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	53,107.63	469.83
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	61,419.18	587.29
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	99,273.52	728.24

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0127)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	11,005.44	211.43
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	17,271.18	258.41
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	26,119.06	305.39
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	33,764.78	352.37
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	51,853.81	422.85
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	63,546.30	469.83
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	73,466.40	587.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	118,838.62	728.24
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0056)*		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	2,846.02	213.19
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,470.36	260.56
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,199.53	307.94
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,788.50	355.32
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,870.64	426.38
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,937.26	473.76
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,267.89	592.20
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,933.75	734.32
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,574.02	213.19
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,352.19	260.56
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,274.87	307.94
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,312.10	355.32
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,443.24	426.38
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,634.19	473.76
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,893.18	592.20
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	24,173.28	734.32
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0147)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,299.08	213.19
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,236.47	260.56
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,350.22	307.94
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,833.26	355.32
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,427.35	426.38
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,331.11	473.76
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,518.48	592.20
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	29,412.81	734.32
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0146)*		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,056.57	213.19
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,942.53	260.56
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,990.13	307.94
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,326.20	355.32
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,456.74	426.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,525.22	473.76
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,433.34	592.20
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,847.56	734.32
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,781.63	213.19
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,826.81	260.56
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,065.48	307.94
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,849.82	355.32
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,317.19	426.38
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,487.95	473.76
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	24,910.48	592.20
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	37,520.73	734.32
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0175)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,509.14	213.19
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,711.08	260.56
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,140.81	307.94
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,370.96	355.32
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,418.30	426.38
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	23,987.73	473.76
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,385.16	592.20
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	45,246.53	734.32
26 22 13 00-0203		3 Phase Weathershields *(26 22 13 00-0056)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,328.17	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0207		Three Phase Mounting Brackets *(26 22 13 00-0056)*		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,404.11	80.64
26 22 13 00-0209		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0210	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	547.34	19.09

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	2,740.78	386.28
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,090.05	408.57
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,593.02	463.47
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,032.16	496.85
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	10,497.75	529.75
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	11,793.62	563.27
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	3,567.52	386.28
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,832.40	408.57
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,060.35	463.86
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,078.64	496.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,497.75	530.28
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,793.62	563.27
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,448.80	588.88
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,475.24	630.88
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	19,654.11	680.07
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	1,613.07	342.24
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	1,829.75	364.37
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,089.05	419.44
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,291.55	437.06
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,482.94	452.82
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,756.06	485.50
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,988.46	518.80

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	295.25	13.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.08*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	428.10	21.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.72*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,205.87	38.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,196.88	50.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.21*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	3,809.10	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	6,326.21	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	10,195.54	220.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.22*	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0034 Incoming Service Section Main Device Only *(26 24 13 00-0033)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,934.62	501.22
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,475.59	501.22
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,270.81	651.37
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	8,355.11	651.37

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0040 Incoming Service Section Main Device Only *(26 24 13 00-0039)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	2,482.14	342.24
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	2,814.85	364.37
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,737.82	419.44
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,157.68	452.47
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	3,266.95	342.24
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,334.16	364.37
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,367.82	419.44
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	9,603.27	452.47
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,345.67	507.84
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	1,558.68	298.04
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	1,789.09	320.20
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,102.14	375.28
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,296.70	392.90
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,489.10	408.57
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,720.43	437.06
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,951.05	463.47
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,667.87	574.08
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,144.86	629.29
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,065.88	678.97

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	145.15	11.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.02*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	228.02	19.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.66*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	792.17	27.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.29*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,409.13	34.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.93*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	3,703.35	85.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.00*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	5,373.59	85.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.00*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	8,793.21	162.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.38*	

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	2,741.32	386.28
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,089.45	408.57
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,592.25	463.47
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,031.27	496.85
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	10,495.71	529.75
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	11,793.62	563.27
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	3,568.06	386.28
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,831.80	408.57
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,060.35	463.86
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,077.75	496.85
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,496.73	530.28
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,793.62	563.27
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	1,745.96	342.24
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,008.23	364.37
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,358.23	419.44
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,581.25	437.06
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,800.62	452.82
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,058.79	485.50
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,319.93	518.80
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,021.33	589.55
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,515.93	630.83
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,537.32	677.86
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	295.25	13.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.08*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	428.10	21.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.72*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,205.87	38.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,196.88	50.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.21*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	3,809.10	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,326.21	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,195.54	220.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.22*	
26 24 13 00-0100		**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0101		**Incoming Service Section Main Device Only** *(26 24 13 00-0100)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,464.26	529.75
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,858.29	563.27
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,018.27	628.71
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,622.04	673.19
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,867.86	529.75
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,004.25	563.27
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,963.30	629.42
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,430.39	673.19
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,871.84	717.83
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,191.96	762.43
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	1,745.96	342.24
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,008.23	364.37
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,358.23	419.44
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,581.25	437.06
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,800.62	452.82
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,058.79	485.50
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,319.93	518.80
26 24 13 00-0119		**Branch Breaker Units** *(26 24 13 00-0100)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	655.80	13.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.08*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	738.33	21.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.72*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,338.35	38.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.18*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,196.88	50.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.21*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,254.63	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,383.76	123.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.18*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	8,570.58	220.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.22*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	611.28	34.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	608.77	34.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	608.77	34.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	982.39	45.71
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	982.39	45.71
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	716.74	34.00
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,093.34	34.00
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	2,797.09	91.63

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	799.92	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	797.41	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	797.41	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,221.45	52.33
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,221.45	52.33
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	876.66	38.42
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,490.58	38.42
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	3,808.56	102.58
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	5,485.58	131.43
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	10,416.43	178.05

26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,180.08	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,177.54	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,180.08	39.09
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,795.05	52.33
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,837.50	52.33
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,045.66	68.45
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,286.11	38.42
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,010.39	38.42
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	4,862.95	102.58
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,884.67	131.43
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	10,416.43	178.05

26 24 13 00-0163 Service And Distribution Structures *(26 24 13)*

26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC *(26 24 13 00-0163)*

26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*

26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	1,438.38	406.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	1,806.01	406.28
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,009.26	516.68
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,151.92	516.68
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	1,568.21	470.31
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	1,930.20	470.31
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,151.92	582.91
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,280.08	582.91
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	1,769.16	574.08
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,135.97	574.08
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,367.70	706.57
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,555.46	706.57
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,443.15	629.29
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,848.56	629.29
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,114.03	777.22
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,277.58	777.22
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,525.02	631.50
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,949.66	710.98
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,057.41	710.98
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,144.07	750.73
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,974.11	710.98
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,080.26	710.98
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,166.92	750.73
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,030.73	750.73
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,166.92	750.73
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,198.21	750.73
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	403.97	52.99
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	453.31	52.99
26 24 13 00-0201	EA	Cable Supports In Pull Box	185.35	13.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.36*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	366.46	61.82
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	689.48	79.49
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	689.48	79.49
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	496.29	61.82
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	745.71	90.53
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	836.77	90.53
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	858.70	117.02
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	885.41	117.02
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	3,198.45	367.99
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	3,512.27	400.01
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,376.87	511.11
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,791.00	557.57
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,112.76	593.56
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	4,143.02	322.82
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	1,998.02	306.65
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	2,235.32	332.53
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,697.15	367.99
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,244.38	368.96
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	10,105.99	411.93
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	96.34	22.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.49*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	120.18	22.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.93*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	749.63	26.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,287.04	57.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.79*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	470.28	79.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.60*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,541.91	46.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.32*	

26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt *(26 24 13 00-0163)*

26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	1,655.43	191.65
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,394.45	259.18
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,613.66	315.44
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,167.36	441.61
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,910.86	552.00
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,476.24	552.00
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,365.61	736.02
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,449.69	736.02
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,552.79	876.18
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,547.59	876.18

26 24 13 00-0240 Main Devices *(26 24 13)*

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	6,428.81	463.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*277.62*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	11,944.56	772.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*463.22*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	28,237.77	1,298.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*772.04*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	45,292.47	2,102.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,283.73*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,714.71	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	350.60	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	459.96	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	331.30	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	7,692.14	485.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*292.84*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	14,565.85	816.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*487.78*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	31,996.80	1,346.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*811.77*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	48,905.66	2,208.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,357.39*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	4,950.25	423.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.77*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	9,262.01	710.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*424.62*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	13,341.68	1,192.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*707.70*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	23,235.79	1,920.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,178.66*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	37,607.05	3,135.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,959.79*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	6,123.62	406.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.00*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	11,668.12	680.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*404.90*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	16,125.77	1,130.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*675.92*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	26,560.00	1,841.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,126.54*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	40,941.65	3,157.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,881.84*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	1,582.32	370.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.68*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,709.45	370.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*232.42*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,020.37	441.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.77*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,723.17	441.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.00*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	6,054.89	529.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*302.47*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	10,547.50	529.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*334.55*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	347.38	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	80.41	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	454.69	32.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.20*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	522.28	42.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.48*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	1,685.36	63.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.38*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,240.61	80.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.14*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,680.71	107.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.56*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,213.53	138.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.80*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,203.57	210.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.17*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,203.57	210.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.17*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	7,299.93	294.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.64*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	8,887.75	441.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.96*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,050.39	191.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.00*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,086.83	209.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.93*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,297.91	315.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.26*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	11,063.89	441.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*264.96*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	11,157.68	488.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.10*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,041.22	876.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*525.72*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	614.78	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	603.33	19.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,561.99	23.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,282.38	30.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,242.10	38.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.44*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,270.54	44.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.81*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,600.85	50.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.65*	

26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	419.15	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	535.88	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,574.34	19.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,538.61	22.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,656.38	28.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,128.69	41.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	419.75	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	606.31	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	714.06	
26 24 13 00-0316		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	572.53	
26 24 13 00-0318	EA	AC Ammeter	572.53	
26 24 13 00-0319	EA	AC Wattmeter	1,529.44	
26 24 13 00-0320	EA	Variometer	1,727.25	
26 24 13 00-0321	EA	Power Factor Meter	1,379.87	
26 24 13 00-0322	EA	Frequency Meter	1,523.00	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	514.64	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,937.93	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,242.21	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	2,777.59	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	55.66	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	3,910.93	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	839.60	125.86
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	935.03	125.86
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,045.73	174.44
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,163.22	174.44
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,269.26	218.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	1,378.31	218.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	1,484.95	251.71
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	1,756.60	322.37
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	1,830.27	322.37
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	1,911.72	368.74
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,048.03	368.74
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,136.58	415.11
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	2,258.68	415.11
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	2,321.92	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	2,459.78	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	2,573.30	507.84
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	2,663.45	507.84
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	2,764.61	507.84
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0022		**120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,069.03	121.45
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,165.42	121.45
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,360.59	207.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,551.79	207.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,660.43	253.92
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	1,772.07	253.92
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	1,874.30	304.70
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,288.94	304.70
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,375.56	373.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	2,467.19	373.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,564.82	419.53
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,649.39	419.53
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	2,737.67	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	2,830.22	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	2,927.75	543.17
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,031.12	543.17
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,141.38	543.17
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	3,216.85	574.08
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,032.84	143.53
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,141.34	143.53
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,268.16	192.10
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,406.37	192.10
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,527.06	236.26
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	1,654.37	236.26
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	1,777.02	280.42
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	1,893.40	280.42
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,013.12	328.99
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	2,151.20	328.99
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,282.04	379.78
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,420.11	379.78
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	2,665.17	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	2,738.28	459.27
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	2,904.98	510.05
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,040.60	510.05
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,150.30	556.42
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	3,269.66	556.42
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,373.51	493.71
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,454.83	518.88
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,626.25	546.48
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,767.75	578.50
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,880.54	596.17
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,038.62	632.60
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0066		**120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,319.77	139.11
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,429.17	139.11
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,568.24	183.27
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,794.73	183.27
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,015.36	276.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,135.80	276.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,260.86	322.37
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,357.92	322.37
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,501.48	373.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	2,585.97	373.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,755.24	419.53
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,908.99	419.53
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,474.99	485.76
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,612.55	512.26
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,661.70	512.26
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,811.17	578.50
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,929.77	578.50
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	3,986.81	578.50
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,199.29	532.13
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,345.20	563.04
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,394.95	578.50
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,553.45	613.83
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,670.35	631.50
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,764.71	653.58
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,224.20	141.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,376.61	141.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,525.23	194.31
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,677.63	194.31
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,823.86	242.88
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	1,974.68	242.88
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	2,129.42	293.66
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,276.31	293.66
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	2,431.77	348.86
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	2,583.96	348.86
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	2,728.76	397.45
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	2,879.56	397.45
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,176.48	483.56
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,327.19	483.56
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,483.73	529.92
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	3,614.35	529.92
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	3,781.72	585.12
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	3,918.51	585.12
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,591.75	150.15
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,742.06	163.40
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,893.37	203.14
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	2,256.63	247.30
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,394.84	273.79
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,525.31	295.87
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,663.92	322.37
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,799.20	348.86
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,927.28	370.95
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,061.02	393.03
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,201.58	419.53
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,350.51	452.65
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,416.36	503.43
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,561.24	534.34
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,678.98	547.59
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,835.48	582.91
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	4,959.80	605.00
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,086.86	623.99
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,537.63	154.57
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,718.71	154.57
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,897.12	205.35
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,076.35	205.35
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,257.23	253.92
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,435.97	253.92
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,616.38	304.70
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,796.35	304.70
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,985.82	357.70
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,157.10	357.70
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,333.69	359.91
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,516.69	359.91
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,982.82	499.01
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,171.22	499.01
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,335.04	525.51
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,533.36	560.83
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,702.81	560.83
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,914.07	613.83
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,021.07	189.89
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,204.62	189.89
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,384.14	251.71
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,827.53	251.71
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,991.74	317.95
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,155.77	317.95
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,316.49	364.33
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,469.98	364.33
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,629.15	415.11
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,795.12	415.11
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,947.05	459.27
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,103.26	459.27
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,633.51	543.17
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,811.65	543.17
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,960.91	593.96
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,151.99	593.96
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,308.70	649.16
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,468.43	649.16
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,846.39	722.91
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,587.49	867.76
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	543.18
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	617.49
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	808.01
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	925.99
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,041.58
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,150.12
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,242.76
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,353.86
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,353.22
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,441.63
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,556.41
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	798.61
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	892.45
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,404.78
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,544.88	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,670.21	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,098.93	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,224.94	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,347.32	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,184.46	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,251.44	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,426.69	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,541.61	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,645.60	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,872.63	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,957.33	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,061.09	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,116.64	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,201.43	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,305.07	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,432.56	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,518.46	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,141.94	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,267.39	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,381.73	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,795.17	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,913.86	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,034.40	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	606.11	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	707.07	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	784.62	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	864.63	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	991.12	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,091.72	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,255.15	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,345.43	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,441.44	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,471.67	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,638.35	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,978.49	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	942.80	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,059.09	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,163.47	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,778.15	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,918.18	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,030.40	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,881.02	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,991.44	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,086.02	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,247.39	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,341.01	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,410.63	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,483.31	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,606.74	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,695.74	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,977.65	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,060.00	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,148.68	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,235.09	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,387.72	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,727.87	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,576.75	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,685.10	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,785.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,515.31	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,640.69	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,741.91	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,217.56	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,334.33	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,439.67	

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	912.72	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	988.03	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,341.00	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,484.00	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,606.49	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,558.25	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,628.21	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,760.60	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,729.82	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,852.59	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,012.85	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,946.36	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,008.48	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,175.24	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,276.79	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,448.49	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,190.67	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,311.80	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,461.00	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,501.53	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,626.35	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,748.60	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0285		**Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,532.01	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,607.32	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,945.63	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,194.90	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,305.17	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,256.93	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,308.57	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,414.70	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,444.99	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,552.62	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,680.23	
26 24 16 00-0297		**Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,697.57	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,759.69	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,785.37	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,881.42	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,159.39	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,889.35	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,992.16	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,115.10	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,155.63	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,263.49	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,382.87	
26 24 16 00-0309		**480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0310		**Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0309)*		
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	954.25	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,030.17	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,184.65	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,402.08	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,546.36	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,667.64	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,639.30	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,728.37	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,859.88	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,829.56	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,952.27	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,112.85	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,160.12	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,222.85	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,403.08	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,469.04	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,571.15	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,742.23	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,535.58	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,658.18	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,805.82	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,914.81	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,041.18	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,163.00	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,573.54	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,649.46	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,794.78	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,006.71	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,257.26	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,366.33	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,339.82	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,408.73	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,513.98	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,544.74	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,652.17	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,779.78	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,764.75	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,827.48	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,113.98	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,079.17	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,175.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,453.13	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,234.26	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,338.54	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,459.92	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,568.91	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,678.18	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,796.95	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,404.91	131.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.75*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,711.17	131.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.73*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,941.70	131.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.73*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,021.81	215.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.29*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,200.23	215.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.29*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,396.03	215.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.29*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,431.34	286.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.86*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,600.47	287.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.38*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,672.92	286.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.86*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,239.00	286.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.86*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,052.30	430.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.58*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,437.57	430.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.58*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,752.58	430.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.58*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,137.07	430.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*258.58*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,066.03	134.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.41*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,095.23	152.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.21*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,317.87	152.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.21*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,973.15	152.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.21*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,336.76	249.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.52*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,702.84	249.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,007.84	249.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.52*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,958.92	333.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.89*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,397.91	331.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.19*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,832.13	331.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.19*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	82.78	22.08
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	234.03	88.32
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	376.34	126.08
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	818.20	265.01
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	903.22	287.04

26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	135.05	24.29
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	293.64	26.50

26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	138.59	24.29
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	156.39	26.50
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	447.12	126.08
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,010.92	287.04

26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.

26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	188.90	24.29
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,015.30	265.01

26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,153.62	265.01
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,254.03	287.04
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	6,137.07	441.61

26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.

26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,047.27	265.01
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,239.22	287.04
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	6,889.00	441.61

26 24 16 00-0416 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,253.63	265.01
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,424.82	287.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0419		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,213.13	265.01
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,257.22	287.04
26 24 16 00-0422		Residential Type Assembled Load Center *(26 24 16 00-0389)*		
26 24 16 00-0423		Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	376.80	126.08
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	477.66	147.27
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	393.73	126.08
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	482.27	147.27
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	752.64	196.30
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	875.86	235.59
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	994.40	271.80
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,111.64	294.24
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,660.23	441.61
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	812.65	196.30
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	932.79	235.59
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,051.33	271.80
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,165.49	294.24
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,837.17	441.61
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,204.56	490.67
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,389.20	490.67
26 24 16 00-0440		Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	563.82	147.27
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	837.04	220.80
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	614.60	147.27
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	883.20	220.80
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,082.11	271.80
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,188.88	294.42
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,476.11	353.42
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,721.77	441.61
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,135.96	271.80
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,250.12	294.24
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,683.38	353.15
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,929.49	441.61
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,250.72	490.67
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,435.36	490.67
26 24 16 00-0455		Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	557.67	147.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	815.50	220.80
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,002.03	235.59
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,143.92	271.94
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,273.51	294.42
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,677.63	392.58
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,017.42	235.59
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,174.42	271.80
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,280.89	294.24
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,593.01	392.58
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,789.37	490.67
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,097.10	490.67

26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,704.33	294.42
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,214.14	441.61
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,796.34	294.24
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,306.46	441.61

26 24 16 00-0473 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

26 24 16 00-0474 Midget Finger-Safe Fuse Holders *(26 24 16 00-0473)*

Note: 30 Amp capacity. Excludes fuse.

26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	48.71	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	63.41	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	82.42	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	120.81	11.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	128.03	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	179.02	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	221.67	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	165.13	15.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	161.88	19.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	217.88	19.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	63.46	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	71.28	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	64.90	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	

26 24 16 00-0488 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	558.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.60*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	30.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	3.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.41*	

26 24 19 Motor-Control Centers *(26 24)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0001		**Combination Starters With Molded Case Circuit Breakers** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,429.88	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,898.36	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,384.19	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,054.42	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,393.65	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,661.68	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,429.88	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,898.36	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,384.19	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,054.42	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,393.65	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,661.68	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,589.76	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,827.40	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,981.62	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,310.58	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,392.38	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	42,125.74	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,589.76	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,827.40	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,981.62	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,310.58	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,392.38	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	42,125.74	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,309.00	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,002.82	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,944.98	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,162.78	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,927.23	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,309.00	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,002.82	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,944.98	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,162.78	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,927.23	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	

26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,105.96	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,665.66	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,544.81	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,925.96	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,637.14	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	

26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 1 wind.

26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,105.96	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,665.66	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,544.81	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,925.96	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,637.14	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	

26 24 19 00-0054 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, auto-transformer.

26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,616.51	42.33
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,730.83	46.37
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,869.44	52.42
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	30,813.48	60.48
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	52,800.54	80.64

26 24 19 00-0060 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, auto-transformer.

26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,616.51	42.33
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,730.83	46.37
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,869.44	52.42
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	30,813.48	60.48
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	52,800.54	80.64

26 24 19 00-0066 230 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, part winding.

26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,068.33	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,580.11	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,751.80	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,180.00	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,758.46	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	

26 24 19 00-0072 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, part winding.

26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,068.33	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,580.11	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,751.80	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,180.00	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,758.46	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,744.41	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	23,034.14	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,423.20	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,605.91	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,695.88	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	71,541.37	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)* Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,744.41	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	23,034.14	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,423.20	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,605.91	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,695.88	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	71,541.37	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0092		**Combination Starters With Current Limiting Circuit Breakers** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,302.25	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,770.73	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,910.21	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,000.80	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,819.22	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,372.45	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0100		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,302.25	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,770.73	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,910.21	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,000.80	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,819.22	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,372.45	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0107		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)* Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,454.75	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,682.56	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,473.25	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,217.65	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,749.14	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0113		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,454.75	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,682.56	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,473.25	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,217.65	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,749.14	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,159.25	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,840.79	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,412.03	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,035.44	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,256.97	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,159.25	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,840.79	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,412.03	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,035.44	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,256.97	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,996.53	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,533.21	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,052.86	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,816.63	78.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.18*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	37,965.05	92.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 24 19 00-0137		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,996.53	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,533.21	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,052.86	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,816.63	78.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.18*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,965.05	92.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 24 19 00-0143		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,442.18	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,677.06	46.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,213.92	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	35,239.20	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	58,051.94	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,442.18	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,677.06	46.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,213.92	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	35,239.20	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	58,051.94	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,918.58	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,413.16	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,209.02	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,566.25	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,840.59	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,918.58	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,413.16	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,209.02	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,566.25	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,840.59	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,449.68	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,732.03	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	26,096.52	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	39,163.73	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	53,128.38	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	74,507.41	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,449.70	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.46*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,732.03	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	26,096.52	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	39,163.73	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	53,128.38	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	74,507.41	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0181		**Combination Starters With Fusible Switch** *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,144.83	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,008.95	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,175.46	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,226.59	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,071.59	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,985.91	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0189		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,144.83	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,008.95	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,175.46	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,226.59	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,071.59	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,985.91	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0196		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,557.81	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,368.02	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,677.21	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,217.50	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,949.76	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,395.31	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0203		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,557.81	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,368.02	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,677.21	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,217.50	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,949.76	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,395.31	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,102.58	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,717.77	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,129.28	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,482.24	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,389.07	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,102.58	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,717.77	68.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.13*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,129.28	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.55*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,482.24	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,389.07	96.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.06*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,806.16	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,400.26	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,716.82	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,739.50	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,806.16	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,400.26	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,716.82	44.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,739.50	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,348.66	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,079.92	46.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,884.48	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,255.51	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,227.53	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,348.66	42.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.40*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,079.92	46.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,884.48	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,255.51	60.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.29*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,227.53	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,100.27	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,791.44	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,945.79	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,054.97	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,100.27	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,791.44	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,945.79	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,054.97	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,741.95	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,034.14	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,423.20	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,605.91	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,695.88	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	71,541.37	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,741.95	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,034.14	64.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,423.20	74.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,605.91	82.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.60*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,695.88	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	71,541.37	129.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.42*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)*		
		Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	199.15	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	383.35	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	547.99	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	137.61	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	194.13	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	326.83	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	81.09	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	68.81	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	147.29	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	182.10	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	356.18	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	182.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	208.88	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	251.73	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	297.26	
26 24 19 00-0285	EA	Blank Devices Panel	56.24	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	88.37	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	748.55	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	676.25	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	1,044.42	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	88.37	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	125.87	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	88.37	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	125.87	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	125.87	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	182.10	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	452.58	
26 24 19 00-0297	EA	Heater Module	84.26	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	523.41	
26 24 19 00-0299	EA	JAM - Jam Protection Module	600.00	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,138.73	
26 24 19 00-0301	EA	ULM - Underload Module	546.38	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	120.00	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	224.68	
26 24 19 00-0304	EA	Type SIS Control Wire	94.47	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	120.00	
26 24 19 00-0306	EA	Ring Terminals Power	120.00	
26 24 19 00-0307	EA	14 Gauge Control Wire	94.47	
26 24 19 00-0308	EA	Wiring Diagram On Door	71.49	
26 24 19 00-0309	EA	Special Color Or Type Control Wire	86.81	
26 24 19 00-0310	EA	Current Transformer 12.5 VA	681.70	
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,177.88	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,451.07	

26 24 19 00-0313 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	675.92	
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	784.35	
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	896.82	
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	987.00	
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	937.55	
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,443.11	
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	3,074.99	
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	862.28	
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,466.78	
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	2,053.04	
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	200.74	
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,871.50	
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,125.97	
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,125.97	
26 24 19 00-0328	EA	Teleductor, Control Relays	1,512.40	
26 24 19 00-0329	EA	Current Transducer, Control Relays	4,067.30	
26 24 19 00-0330	EA	Watt Transducer, Control Relays	8,134.59	
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	276.02	
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	412.89	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	465.36	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	517.82	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	465.36	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	517.82	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	545.20	

26 24 19 00-0338 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	778.12	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	268.77	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	966.69	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	4,456.32	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	2,581.46	

26 24 19 00-0344 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,771.69	26.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,093.40	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,043.74	26.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,362.78	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,658.93	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,364.00	52.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.46*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,594.80	56.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,389.11	72.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.53*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,569.19	110.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.55*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	12,086.03	167.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.48*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	27,193.79	221.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.95*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	40,889.39	278.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*166.77*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	68,894.74	322.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.71*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,154.65	26.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,465.64	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,154.65	26.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,465.64	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,753.42	26.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	5,117.97	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,398.06	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,280.86	40.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,269.26	110.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.55*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,269.26	110.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.55*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	11,275.21	120.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.55*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	14,127.43	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.64*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	16,231.59	167.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.48*	

26 24 19 00-0371 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,883.20	40.32
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,004.05	40.32
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	3,041.25	50.40
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	5,045.85	60.48
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	10,144.91	76.61
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	14,261.15	100.80
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	35,199.22	135.07
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	39,548.95	187.49

26 24 19 00-0380 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,826.40
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,885.32
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,946.91
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	2,233.46
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,420.92
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,739.58
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	3,293.95
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,711.72
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	8,628.54
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,579.39
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	6,344.20
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	9,887.21
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	9,156.11
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	12,688.40
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	13,097.90
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	18,143.02

26 24 19 00-0397 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	862.32
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,885.32
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	776.62
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,885.32
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	1,047.10
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	1,111.37
26 24 19 00-0404	EA	Add For Additional Circuits	140.43
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,888.47
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	4,073.25
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,591.21
26 24 19 00-0408	EA	Add For Demand Attachment	919.15
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	1,073.88
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,853.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	2,158.47	
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,799.62	
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,936.20	
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,480.94	
26 24 19 00-0415		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	33,054.66	
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	48,137.20	
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	63,254.56	
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	96,285.11	
26 24 19 00-0420		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	533.25	
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	533.25	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	737.21	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,349.10	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	737.21	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	941.17	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	941.17	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,346.64	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	941.17	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,346.64	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,145.13	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,713.08	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,145.13	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,346.64	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,713.08	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,713.08	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,221.31	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,357.73	
26 24 19 00-0439	EA	Service Entrance Label Signage	510.60	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,067.28	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	610.21	
26 24 19 00-0442		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	337.16	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	337.16	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,043.03	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,176.44	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	100.66	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	271.67	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	57.00	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	244.99	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	742.98	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	244.99	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	480.00	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,847.67	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,914.91	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,922.57	
26 24 19 00-0457		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	241.92	120.97
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	362.88	181.45
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	403.22	201.61
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	483.90	241.93
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	40.32	20.16
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	241.92	120.97
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	362.88	181.45
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	403.22	201.61
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	483.90	241.93
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	40.32	20.16
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	282.25	141.13
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	362.88	181.45
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	483.90	241.93
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	564.43	282.21
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	60.48	30.24
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	322.57	161.29
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	443.57	221.77
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	564.43	282.21
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	645.03	322.53
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	80.64	40.32
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	322.57	161.29
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	483.90	241.93
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	604.76	302.37
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	685.51	342.78
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	80.64	40.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0483		Motor Control Centers *(26 24 19)*		
26 24 19 00-0484		2.4 KV Motor Control Centers *(26 24 19 00-0483)*		
26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	16,726.95	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	16,726.95	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	16,726.95	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	16,747.12	90.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.44*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	17,770.33	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	17,790.48	110.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.53*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	17,810.64	120.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.58*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	17,850.97	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	17,891.29	161.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	30,434.37	181.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.86*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	32,642.94	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	24,950.01	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	25,983.39	86.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.01*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	29,531.51	94.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.85*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	32,887.13	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	35,756.34	116.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.16*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	39,186.91	125.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.00*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	42,615.44	133.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.83*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	46,674.19	145.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.10*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	54,339.81	161.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	58,884.91	171.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.83*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	90,131.37	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	96,007.70	221.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.07*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	101,113.98	241.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.17*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	110,106.89	262.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.28*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	23,525.46	80.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.39*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	23,545.63	90.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.44*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	23,565.78	100.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.48*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	23,585.93	110.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.53*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	23,610.15	120.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.58*	
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	23,630.33	131.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.63*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	23,650.48	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	23,731.11	181.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.86*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	40,799.12	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	40,839.47	221.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.07*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	43,035.87	241.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.17*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,219.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	9,503.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	14,619.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0524		4.8 KV Motor Control Centers *(26 24 19 00-0483)*		
26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	18,094.34	120.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	18,114.52	131.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.63*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	18,134.67	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	18,154.84	151.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.73*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	19,167.91	161.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	19,188.10	171.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.83*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	19,208.22	181.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.86*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	19,228.42	191.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.92*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	19,248.56	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	32,875.43	262.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.28*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	32,915.60	282.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.33*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	35,114.03	302.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.43*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	35,154.30	322.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.51*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	25,318.38	120.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.58*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	25,622.26	131.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.63*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	29,918.07	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	33,271.64	151.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.73*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	36,128.72	161.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	39,563.36	171.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.83*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	42,785.16	181.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.86*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	47,050.63	191.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.92*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	54,568.38	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	59,666.65	211.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.01*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	64,785.09	231.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.11*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	69,038.39	241.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.17*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	73,048.45	252.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*151.20*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	78,671.64	262.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.28*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	125,014.16	322.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.51*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	139,077.20	342.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.65*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	167,334.79	362.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.73*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	177,071.55	362.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.73*	
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	24,929.12	141.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.68*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	24,949.29	151.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.73*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	24,969.44	161.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	24,989.63	171.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.83*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	27,145.56	181.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.86*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	27,165.76	191.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.92*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	27,185.90	201.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.97*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	27,206.06	211.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.01*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	27,226.25	221.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.07*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	27,347.11	282.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.33*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	44,698.81	302.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.43*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	46,887.04	322.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.51*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	46,887.04	322.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,163.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,507.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,712.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 24 19 00-0572		**2.4/4.8 KV Motor Control Centers, Accessories** *(26 24 19 00-0483)*		
26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,414.02	80.64
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,224.78	120.97
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,801.84	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	272.92	6.04
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,680.84	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	901.85	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,685.90	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	172.02	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	570.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	172.02	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	520.96	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,385.95	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,385.95	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,145.58	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,857.92	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	533.06	6.04
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	3,927.87	20.16
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,618.34	10.08
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,784.14	10.08
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,611.26	6.04
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	8,161.78	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	1,040.33	20.16
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	701.62	20.16
26 24 19 00-0596		**Incoming Section And Feeder Air Circuit Breakers** *(26 24 19 00-0483)* Note: 3 Pole. Includes structure.		
26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	860.35	121.00
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	1,478.39	214.18
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	1,695.48	274.24
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,770.75	441.61
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,332.00	485.76
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,619.51	538.75
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	5,358.72	631.50
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	10,636.33	735.72
26 24 19 00-0605		**Main Lugs Only** *(26 24 19 00-0483)*		
26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	492.02	154.57
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	523.28	154.57
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	681.84	242.88
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	2,263.16	441.61
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	3,528.41	640.33
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	5,197.25	883.21
26 24 19 00-0612		**Incoming Main Circuit Breaker Structure** *(26 24 19 00-0483)* Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	6,219.69	213.69
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	13,869.28	274.50
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	13,870.22	427.56
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	20,376.81	427.56
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	29,995.50	483.78
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	5,295.02	213.96
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	7,388.30	274.63
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	14,837.85	427.91
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	17,506.97	427.91
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	25,096.93	484.22
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	775.28	89.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.11*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	918.92	89.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.62*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,370.32	127.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.14*	
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,373.30	167.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.36*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	4,578.34	209.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.46*	

26 24 19 00-0631 Class I, Type B *(26 24 19 00-0624)*

26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	759.05	78.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.16*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	895.97	78.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.73*	
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,342.98	113.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.94*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,345.43	153.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.00*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	4,555.85	195.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.71*	

26 24 19 00-0637 Class I, Type C *(26 24 19 00-0624)*

26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	838.89	72.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.00*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	978.36	72.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.98*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,482.60	108.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.94*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,487.57	149.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	4,697.57	192.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.00*	

26 24 19 00-0643 Class II, Type B *(26 24 19 00-0624)*

26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	721.17	107.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.66*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,089.95	107.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.73*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	1,605.01	143.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.58*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	2,790.86	183.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.40*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	5,408.36	223.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	

26 24 19 00-0649 Class II, Type C *(26 24 19 00-0624)*

26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,002.04	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.10*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,169.46	101.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.45*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	1,748.27	138.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.01*	
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	2,929.74	178.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.18*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	5,554.80	220.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.01*	

26 24 19 00-0655 Fused Disconnect Combination Starter *(26 24 19 00-0483)*

26 24 19 00-0656 Class I, Type A *(26 24 19 00-0655)*

26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	690.02	82.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.73*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,081.01	113.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.73*	
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	1,826.26	147.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.32*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	2,480.24	206.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.04*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	4,678.45	262.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.72*	

26 24 19 00-0662 Class I, Type B *(26 24 19 00-0655)*

26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	738.96	73.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.16*	
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	988.58	101.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.66*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,510.65	135.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.18*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	2,629.64	195.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.45*	
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	4,822.38	248.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.19*	

26 24 19 00-0668 Class I, Type C *(26 24 19 00-0655)*

26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	812.20	68.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.35*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,085.99	93.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.62*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	1,694.47	130.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.86*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	2,813.05	192.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.00*	
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	4,528.01	245.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.20*	

26 24 19 00-0674 Class II, Type B *(26 24 19 00-0655)*

26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	896.75	103.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.02*	
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,174.79	128.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.20*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	1,773.24	166.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.46*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,039.79	223.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.63*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	5,568.21	279.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.27*	

26 24 19 00-0680 Class II, Type C *(26 24 19 00-0655)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	966.31	97.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.10*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,272.05	121.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.11*	
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	1,940.42	158.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.18*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,210.58	218.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.43*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	5,743.38	270.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.35*	

26 24 19 00-0686 Space Complete With Bus And Hardware *(26 24 19 00-0483)*

26 24 19 00-0687 Circuit Breaker Type *(26 24 19 00-0686)*

26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	198.28	30.03
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	198.28	30.03
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	297.33	43.72
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	333.18	57.41
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	591.99	87.44

26 24 19 00-0693 Fused Disconnect Type *(26 24 19 00-0686)*

26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	198.28	30.03
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	248.74	43.72
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	356.95	57.41
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	658.34	87.44
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	899.02	127.18

26 24 19 00-0699 Blank Space For Future Expansion *(26 24 19 00-0686)*

Note: Factory modified no labor costs.

26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	138.45	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	138.45	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	417.58	

26 24 19 00-0705 Structure Combination Of Starters To 72" High *(26 24 19 00-0686)*

26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	2,715.51	232.42

26 24 19 00-0707 Motor Control Center Basic Distribution Section *(26 24 19 00-0483)*

26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	3,792.49	605.27
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	3,792.49	605.27
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	4,400.89	605.27
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	Corner Section	4,400.89	605.27
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0712 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0483)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 24 19 00-0713 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,228.64	85.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.00*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,368.66	94.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.57*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,497.40	126.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.05*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	3,679.15	167.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.27*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	8,971.49	208.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.31*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	21,932.52	208.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.31*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,282.18	73.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.12*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,446.50	82.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.68*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,609.56	113.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.83*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	3,728.94	153.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.95*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	9,027.02	197.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.71*	
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	22,127.51	197.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.71*	

26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,068.93	106.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.82*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,581.63	117.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.62*	
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,376.13	158.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.90*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,742.25	209.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.46*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	14,375.83	261.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.97*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,156.21	91.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.11*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,692.94	103.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.14*	
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,521.20	141.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.92*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	7,823.70	191.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.00*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	14,463.98	247.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.52*	

26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,301.54	106.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.82*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,389.56	117.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.62*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,613.82	158.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.90*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,027.80	209.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.46*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	18,632.56	261.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.97*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,388.82	91.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.11*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,500.86	103.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.14*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	6,758.89	141.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.92*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,109.25	191.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.00*	
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	18,720.71	247.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.52*	

26 24 19 00-0748 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0483)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0749 FVNR Starters With Fusible Disconnect *(26 24 19 00-0748)*

26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	942.68	82.88
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,213.12	112.66
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,162.24	146.79
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	3,784.75	206.76
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	8,122.71	262.84
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	21,961.34	262.84
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	999.39	73.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,290.44	100.91
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,278.77	135.31
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	3,840.29	195.76
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	8,171.83	248.66
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	22,150.04	248.66
26 24 19 00-0762		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,756.69	103.77
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,460.39	140.83
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,927.24	183.40
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,658.06	259.18
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,488.66	303.29
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,848.13	91.86
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,570.38	126.04
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,077.44	169.31
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,744.55	244.25
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,570.39	286.02
26 24 19 00-0773		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,107.15	103.77
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,280.73	140.83
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,188.19	183.40
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,129.48	259.18
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	17,880.09	303.29
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,199.63	91.86
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,390.71	126.04
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,338.39	169.31
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,215.97	244.25
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	17,961.82	286.02
26 24 19 00-0784		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0483)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	246.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	306.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 24 19 00-0787	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	368.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	
26 24 19 00-0788	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	486.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.00*	
26 24 19 00-0789	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	828.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.67*	
26 24 19 00-0790	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	137.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.67*	
26 24 19 00-0791		**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0792		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,242.26	63.81
26 24 19 00-0794	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,491.70	70.65
26 24 19 00-0795	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,970.31	95.17
26 24 19 00-0796	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,180.48	125.41
26 24 19 00-0797	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	9,414.79	156.77
26 24 19 00-0798	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	10,910.93	156.77
26 24 19 00-0799	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	23,460.02	196.30
26 24 19 00-0800		**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0801	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	635.83	62.04
26 24 19 00-0802	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	711.90	84.57
26 24 19 00-0803	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,001.06	108.19
26 24 19 00-0804	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,020.48	155.00
26 24 19 00-0805	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	3,847.75	197.13
26 24 19 00-0806	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	9,678.46	197.13
26 24 19 00-0807	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	11,955.80	246.41
26 24 19 00-0808	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	18,059.44	246.41
26 24 19 00-0809		**Control Circuit Transformer** *(26 24 19 00-0483)*		
26 24 19 00-0810	EA	Control Circuit Transformer, Size 1 Factory Installed	73.86	
26 24 19 00-0811	EA	Control Circuit Transformer, Size 2 Factory Installed	73.86	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 3 Factory Installed	142.25	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 4 Factory Installed	142.25	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 5 Factory Installed	197.62	
26 24 19 00-0815	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	36.44	5.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0816		**Cover Mounted Control Devices** *(26 24 19 00-0483)*		
26 24 19 00-0817	EA	Control Device, 2 Unit Push Button Station Cover Mounted	92.26	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.52*	
26 24 19 00-0818	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	99.60	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.90*	
26 24 19 00-0819	EA	Control Device, Pilot Light Cover Mounted	93.12	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.14*	
26 24 19 00-0820	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	213.52	30.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.10*	
26 24 19 00-0821	EA	Auxiliary Contact Add Per Starter	340.84	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 24 19 00-0822		**Extra Interlocks** *(26 24 19 00-0483)* Note: Per contact.		
26 24 19 00-0823	EA	Extra Interlocks, Class I, Type A Per Contact	57.03	5.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.14*	
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type B Per Contact	87.90	5.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.14*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type C Per Contact	104.13	5.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.45*	
26 24 19 00-0826	EA	Extra Interlocks, Class II, Type B Per Contact	95.65	5.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type C Per Contact	105.75	5.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.08*	
26 24 19 00-0828		**Special Cabinet Provisions** *(26 24 19 00-0483)*		
26 24 19 00-0829	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	924.64	
26 24 19 00-0830		**Nameplate Requirements** *(26 24 19 00-0483)*		
26 24 19 00-0831	EA	Special Cabinet Nameplate Requirements	32.83	
26 24 19 00-0832		**Auxiliary Relays** *(26 24 19 00-0483)*		
26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	143.81	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	133.93	10.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	60.22	10.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 24 19 00-0836		**Motor Control Center Accessories** *(26 24 19 00-0483)*		
26 24 19 00-0837		**Lighting Transformer With Circuit Breaker** *(26 24 19 00-0836)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	4,892.90	146.82
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,087.02	152.70
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,574.05	164.44
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,102.75	176.19
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	9,703.55	187.93
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	11,980.82	211.43
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	15,876.66	234.91
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,095.98	193.81
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,879.61	211.43
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,321.10	234.91
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,981.70	258.41
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	14,549.63	281.90
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	14,967.06	305.39
26 24 19 00-0851		**Bolt-On Lighting Panel** *(26 24 19 00-0836)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	1,462.68	229.81
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,133.62	400.01
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,801.62	541.18
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	1,500.37	248.66
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,116.60	391.48
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,869.28	575.01
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	2,896.35	266.56
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,599.03	427.91
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,354.87	575.01
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	2,938.27	287.49
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,599.03	427.91
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,391.96	593.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0864		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0836)* Note: For MCC lighting panel only.		
26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	44.70	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	284.96	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	87.38	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	201.17	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	235.71	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	357.63	
26 24 19 00-0871		**Blank Unit Door (BUD)** *(26 24 19 00-0836)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	75.99	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	91.19	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	136.78	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	182.37	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	273.56	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	319.16	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	364.75	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	248.05	13.25
		For Up To 25, Add	*62.01*	
		For >25 To 50, Add	*37.21*	
		For >50 To 100, Add	*18.60*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	363.93	13.25
		For Up To 25, Add	*90.98*	
		For >25 To 50, Add	*54.59*	
		For >50 To 100, Add	*27.29*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	466.30	17.66
		For Up To 25, Add	*116.58*	
		For >25 To 50, Add	*69.95*	
		For >50 To 100, Add	*34.97*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	659.54	17.66
		For Up To 25, Add	*164.89*	
		For >25 To 50, Add	*98.93*	
		For >50 To 100, Add	*49.47*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	694.78	22.08
		For Up To 25, Add	*173.70*	
		For >25 To 50, Add	*104.22*	
		For >50 To 100, Add	*52.11*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	986.75	22.08
		For Up To 25, Add	*246.69*	
		For >25 To 50, Add	*148.01*	
		For >50 To 100, Add	*74.01*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,164.15	23.18
		For Up To 25, Add	*291.04*	
		For >25 To 50, Add	*174.62*	
		For >50 To 100, Add	*87.31*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,431.45	23.85
		For Up To 25, Add	*357.86*	
		For >25 To 50, Add	*214.72*	
		For >50 To 100, Add	*107.36*	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,780.21	25.17
		For Up To 25, Add	*445.05*	
		For >25 To 50, Add	*267.03*	
		For >50 To 100, Add	*133.52*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,054.57	29.37
		For Up To 25, Add	*513.64*	
		For >25 To 50, Add	*308.19*	
		For >50 To 100, Add	*154.09*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,383.96	32.01
		For Up To 25, Add	*595.99*	
		For >25 To 50, Add	*357.59*	
		For >50 To 100, Add	*178.80*	
26 25 13 00-0014		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	436.10	13.25
		For Up To 25, Add	*109.03*	
		For >25 To 50, Add	*65.42*	
		For >50 To 100, Add	*32.71*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	641.80	13.25
		For Up To 25, Add	*160.45*	
		For >25 To 50, Add	*96.27*	
		For >50 To 100, Add	*48.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	725.74	17.66
		For Up To 25, Add	*181.44*	
		For >25 To 50, Add	*108.86*	
		For >50 To 100, Add	*54.43*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	931.23	17.66
		For Up To 25, Add	*232.81*	
		For >25 To 50, Add	*139.68*	
		For >50 To 100, Add	*69.84*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,143.15	22.08
		For Up To 25, Add	*285.79*	
		For >25 To 50, Add	*171.47*	
		For >50 To 100, Add	*85.74*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,496.01	22.08
		For Up To 25, Add	*374.00*	
		For >25 To 50, Add	*224.40*	
		For >50 To 100, Add	*112.20*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,944.70	22.88
		For Up To 25, Add	*486.18*	
		For >25 To 50, Add	*291.71*	
		For >50 To 100, Add	*145.85*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,353.91	23.85
		For Up To 25, Add	*588.48*	
		For >25 To 50, Add	*353.09*	
		For >50 To 100, Add	*176.54*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,933.39	24.95
		For Up To 25, Add	*733.35*	
		For >25 To 50, Add	*440.01*	
		For >50 To 100, Add	*220.00*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,385.20	29.37
		For Up To 25, Add	*846.30*	
		For >25 To 50, Add	*507.78*	
		For >50 To 100, Add	*253.89*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,930.57	32.01
		For Up To 25, Add	*982.64*	
		For >25 To 50, Add	*589.59*	
		For >50 To 100, Add	*294.79*	

26 25 13 00-0026 Cable Tap Boxes *(26 25 13 00-0001)*

26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,207.44	61.82
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,248.40	61.82
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,410.37	83.90
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,542.53	83.90
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,710.41	110.40
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,963.47	110.40

26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,248.40	121.45
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,415.44	121.45
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,552.21	165.60
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,863.13	165.60
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,982.12	220.80
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,403.26	220.80

26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*

26 25 13 00-0042 240 Volt, 3-Phase *(26 25 13 00-0041)*

26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	945.31	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.16*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,978.10	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.01*	

26 25 13 00-0045 600 Volt, 3-Phase *(26 25 13 00-0041)*

26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	1,955.25	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.16*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,534.11	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.01*	

26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*

26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,089.84	52.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.60*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,293.24	52.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.50*	

26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire *(26 25 13 00-0041)*

26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,270.24	52.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,999.65	52.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.50*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,755.36	183.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.43*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	6,673.79	183.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.50*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,186.18	529.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*240.00*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,280.53	529.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*424.62*	

26 25 13 00-0058 Bus Duct Plug-In Fusible Switch *(26 25 13 00-0001)*

26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	942.83	44.16
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,021.13	44.16
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,431.63	52.99
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,399.15	105.98
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,187.97	238.47
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,020.95	415.11

26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	998.14	48.57
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,073.57	48.57
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,457.37	48.57
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,482.54	101.56
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,176.18	229.63
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,104.59	441.61
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	15,435.60	574.08

26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse *(26 25 13 00-0058)*

26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,097.27	57.41
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,157.23	57.41
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,567.25	57.41
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,663.10	119.24
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,749.25	264.96
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,769.85	406.28

26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse *(26 25 13 00-0058)*

26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,138.76	57.41
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,198.72	48.71
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,685.14	66.24
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,787.82	119.24
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,749.25	264.96
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,769.85	406.28
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	15,845.42	538.75

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	815.95	18.55
		For Up To 25, Add	*203.99*	
		For >25 To 50, Add	*122.39*	
		For >50 To 100, Add	*61.20*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	823.38	18.55
		For Up To 25, Add	*205.85*	
		For >25 To 50, Add	*123.51*	
		For >50 To 100, Add	*61.75*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,089.79	18.55
		For Up To 25, Add	*272.45*	
		For >25 To 50, Add	*163.47*	
		For >50 To 100, Add	*81.73*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,316.53	18.55
		For Up To 25, Add	*329.13*	
		For >25 To 50, Add	*197.48*	
		For >50 To 100, Add	*98.74*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,614.26	18.55
		For Up To 25, Add	*403.57*	
		For >25 To 50, Add	*242.14*	
		For >50 To 100, Add	*121.07*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,199.98	44.16
		For Up To 25, Add	*550.00*	
		For >25 To 50, Add	*330.00*	
		For >50 To 100, Add	*165.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,056.61	44.16
		For Up To 25, Add	*764.15*	
		For >25 To 50, Add	*458.49*	
		For >50 To 100, Add	*229.25*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,615.76	44.16
		For Up To 25, Add	*903.94*	
		For >25 To 50, Add	*542.36*	
		For >50 To 100, Add	*271.18*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,465.49	44.16
		For Up To 25, Add	*1,116.37*	
		For >25 To 50, Add	*669.82*	
		For >50 To 100, Add	*334.91*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	942.96	19.87
		For Up To 25, Add	*235.74*	
		For >25 To 50, Add	*141.44*	
		For >50 To 100, Add	*70.72*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	951.79	19.87
		For Up To 25, Add	*237.95*	
		For >25 To 50, Add	*142.77*	
		For >50 To 100, Add	*71.38*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,235.56	19.87
		For Up To 25, Add	*308.89*	
		For >25 To 50, Add	*185.33*	
		For >50 To 100, Add	*92.67*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,465.49	19.87
		For Up To 25, Add	*366.37*	
		For >25 To 50, Add	*219.82*	
		For >50 To 100, Add	*109.91*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,774.31	19.87
		For Up To 25, Add	*443.58*	
		For >25 To 50, Add	*266.15*	
		For >50 To 100, Add	*133.07*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,740.13	34.00
		For Up To 25, Add	*685.03*	
		For >25 To 50, Add	*411.02*	
		For >50 To 100, Add	*205.51*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,438.87	34.00
		For Up To 25, Add	*859.72*	
		For >25 To 50, Add	*515.83*	
		For >50 To 100, Add	*257.92*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,066.45	63.14
		For Up To 25, Add	*1,016.61*	
		For >25 To 50, Add	*609.97*	
		For >50 To 100, Add	*304.98*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,031.10	63.14
		For Up To 25, Add	*1,257.78*	
		For >25 To 50, Add	*754.67*	
		For >50 To 100, Add	*377.33*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	224.57	28.70
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	245.06	28.70
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	260.29	32.01
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	273.45	32.01
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	296.01	35.33
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	301.84	35.33
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	808.08	56.08
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,097.27	62.71
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,864.25	69.33
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,377.17	220.80

26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	293.89	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.43*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	354.79	9.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.50*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	443.26	9.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	905.77	9.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,283.79	10.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	2,106.38	11.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 27 13 00-0020		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	426.11	57.41
26 27 13 00-0022		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0023		**800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,182.21	27.60
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,571.13	33.12
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,957.84	38.64
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,271.63	44.16
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,994.23	49.68
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,226.25	55.20
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,756.60	66.24
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,287.12	27.60
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,027.40	33.12
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,176.49	44.16
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,629.50	49.68
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,855.94	55.20
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,827.46	38.64
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,430.73	44.16
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,994.23	49.68
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,535.63	55.20
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,496.89	60.72
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,706.83	66.24
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,855.91	77.28
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,927.95	38.64
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,867.12	44.16
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,480.27	55.20
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,866.98	60.72
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,557.49	66.24
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,272.80	33.12
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,686.03	38.64
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,097.05	44.16
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,441.77	49.68
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,027.37	55.20
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,259.39	60.72
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	4,032.82	71.76
26 27 13 00-0060		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,386.56	33.12
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,171.03	38.64
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,607.40	49.68
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,060.41	55.20
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,154.28	60.72
26 27 13 00-0066		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,918.05	44.16
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,530.18	49.68
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,159.97	55.20
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,701.38	60.72
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,706.85	66.24
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,916.75	71.76
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,154.24	82.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0074		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,049.48	44.16
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,054.96	49.68
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,867.00	60.72
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,121.11	66.24
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,833.72	71.76
26 27 13 00-0080		**120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0081		**800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,182.21	27.60
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,571.13	33.12
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,271.63	44.16
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,994.23	49.68
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,734.51	55.20
26 27 13 00-0087		**1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,287.12	27.60
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,027.40	33.12
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,397.48	44.16
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,850.48	49.68
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,855.94	55.20
26 27 13 00-0093		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,827.46	38.64
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,430.73	44.16
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,535.63	55.20
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,496.89	60.72
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,706.83	66.24
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,927.95	38.64
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,867.12	44.16
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,480.27	55.20
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,866.98	60.72
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,557.50	66.24
26 27 13 00-0105		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0106		**800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,272.80	33.12
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,686.03	38.64
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,441.77	49.68
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,248.35	55.20
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,701.36	60.72
26 27 13 00-0112		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,386.56	33.12
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,171.03	38.64
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,386.42	49.68
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,839.42	55.20
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,154.26	60.72
26 27 13 00-0118		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,918.05	44.16
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,530.17	49.68
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,701.36	60.72
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,706.83	66.24
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,916.75	71.76
26 27 13 00-0124		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,049.48	44.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,054.95	49.68
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,866.98	60.72
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,121.11	66.24
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,833.72	71.76

26 27 13 00-0130 Watt/Hour Meters *(26 27 13)*

26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,298.36	26.50
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,834.02	52.99
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,942.65	39.74
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,447.33	39.74
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,016.78	39.74
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,405.22	36.65
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,384.94	66.24

26 27 13 00-0138 Watt/Hour Meter Systems *(26 27 13)*

Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.

26 27 13 00-0139 Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0138)*

26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,653.08	265.01
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,844.13	265.01

26 27 13 00-0142 Watt/Hour Meter System With Main Breaker *(26 27 13 00-0138)*

26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,882.38	265.01
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,479.53	265.01
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	14,580.96	265.01

26 27 16 Electrical Cabinets and Enclosures *(26 27)*

Note: Can be used as enclosure or pull/junction boxes.

26 27 16 00-0001 NEMA 1 Enclosures, Lockable *(26 27 16)*

26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*

26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*

26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	38.89	8.83
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	44.50	9.72
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	50.20	10.60
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.64	12.36
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	64.90	13.25
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	71.91	14.13
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	71.53	14.13
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.80	15.02
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	86.66	15.89
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	109.69	21.19
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.52	25.61
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	124.99	24.73

26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*

26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	50.95	10.60
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	64.19	12.36
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	75.45	15.02
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	83.02	15.89
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.83	16.78
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	99.18	17.66
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	123.47	22.96
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	147.72	28.27
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	141.89	27.38
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	186.31	35.33
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	261.07	40.63
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	308.87	44.16
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	354.79	46.81
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	398.52	48.57
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	272.87	35.33

26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*

26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*

26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	27.60	6.19
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	39.46	8.83
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	44.76	9.72

26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*

26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	30.02	7.06
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	36.83	8.83
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	41.95	9.72
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	47.25	10.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	55.13	12.36
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	60.90	13.25
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	67.21	14.13
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	66.80	14.13
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	73.57	15.02
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	80.70	15.89
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	103.40	21.19
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	126.88	26.50
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.95	24.73
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	152.78	31.80
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	253.88	39.74
26 27 16 00-0053		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	47.83	10.60
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	53.89	11.48
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	62.04	13.25
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	70.57	15.02
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	77.53	15.89
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	84.61	16.78
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	92.17	17.66
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.14	22.96
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	142.43	28.27
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	132.57	27.38
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	173.84	35.33
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	236.00	40.63
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	283.47	44.16
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	310.75	46.81
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	354.11	48.57
26 27 16 00-0069		8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	70.57	15.02
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.97	19.43
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.48	24.73
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	159.54	30.91
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.85	30.03
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	186.20	37.10
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	202.11	42.40
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	256.75	45.04
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	313.24	48.57
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	335.78	51.23
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	357.24	52.99
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	374.28	52.99
26 27 16 00-0082		10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	172.87	33.57
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	232.34	43.27
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	223.71	45.93
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	344.95	49.46
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	408.67	54.76
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	476.48	56.52
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	514.35	59.18
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	256.98	47.69
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	240.59	50.34
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	377.22	54.76
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	444.55	60.06
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	524.15	62.71
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	557.08	65.35
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable *(26 27 16)*		
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,102.63	38.86
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	81.22	7.06
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	103.35	9.72
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	126.23	12.36
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	137.32	13.25
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	157.65	14.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	170.79	15.02
26 27 16 00-0109		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	115.63	10.60
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	128.31	11.48
26 27 16 00-0112		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0113		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	204.97	7.06
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	239.53	9.72
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	272.86	10.60
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	310.95	12.36
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	317.11	13.25
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	382.27	14.13
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	411.25	15.02
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	474.05	15.89
26 27 16 00-0122		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	297.93	10.60
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	339.35	11.48
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	366.15	13.25
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	431.89	15.89
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	466.99	17.66
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	656.51	22.96
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,018.67	35.33
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,363.22	40.63
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,545.40	44.16
26 27 16 00-0132		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,407.74	45.04
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,639.42	48.57
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,813.20	51.23
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,016.98	52.99
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,985.47	52.99
26 27 16 00-0138		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0139		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,918.48	71.76
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,956.69	79.49
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,005.29	85.01
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,175.87	105.98
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,218.80	124.98
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,255.82	124.98
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,116.49	132.49
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,256.28	141.32
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,274.26	141.32
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	252.27	30.91
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	282.40	30.91
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	398.70	32.01
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	419.21	32.01
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	562.58	33.12
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	393.16	32.01
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	446.78	32.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	467.02	33.12
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	631.73	33.12
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	699.90	35.33
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	755.88	37.53
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	795.06	37.53
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	975.84	38.64
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,069.68	39.74
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,516.48	44.16
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	671.03	34.22
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	868.41	38.64
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,045.59	39.74
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,230.15	40.85
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,322.55	40.85
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,515.98	44.16
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,760.69	49.68
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,655.72	47.47
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,239.33	88.32
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,829.16	110.40
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,331.36	41.95
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,042.30	55.20
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,080.04	55.20
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,777.14	82.80
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,763.51	88.32
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,904.98	154.57
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,055.76	110.40
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,966.03	132.49
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,487.52	121.45
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)*		
		Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	68.16	8.83
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	75.45	9.72
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	131.74	10.60
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	166.32	13.25
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	184.73	15.02
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	221.20	16.78
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	241.67	17.66
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	314.83	22.96
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	372.21	28.27
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	408.99	35.33
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	666.88	45.04
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	746.94	48.57
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	859.18	51.23
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	908.39	52.99
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	832.73	54.76
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	940.85	61.82
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,041.12	68.45
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,148.36	75.52
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,249.09	82.14
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	501.61	43.27
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	832.73	54.76
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,030.12	56.52
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,355.69	61.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	858.08	43.72
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	961.21	49.02
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,063.89	54.31
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,178.19	60.06
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,281.32	65.35
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	640.65	32.68
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	858.08	43.72
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	961.21	49.02
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,134.58	57.41
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,281.32	65.35
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,205.30	64.48
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,281.32	65.35
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,358.85	67.12
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.49	70.65
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,678.35	74.19
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	46.77	7.06
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	54.85	8.83
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	60.77	9.72
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	68.40	10.60
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	79.09	12.36
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	87.54	13.25
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	97.18	14.13
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	96.38	14.13
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	107.85	15.02
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	117.49	15.89
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	173.36	24.73
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	238.21	31.80
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	60.45	10.60
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	89.69	13.25
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	101.55	15.02
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	112.29	15.89
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.11	15.89
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	122.81	16.78
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	134.65	17.66
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	176.27	22.96
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	197.35	27.38
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	270.46	35.33
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	275.84	37.98
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.73	40.63
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	383.16	44.16
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	152.73	19.43
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	210.02	30.03
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	300.58	38.86
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	366.54	45.04
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	428.88	48.57
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.70	51.23
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	329.20	43.27
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	463.64	54.76
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	529.72	56.52
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	514.78	60.06
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	825.42	65.35
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	855.58	67.12
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,047.15	70.65
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)* Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	98.81	6.19
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	113.25	7.51
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	140.41	9.72
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	130.94	9.72
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	173.52	13.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	219.59	15.89
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	201.00	15.02
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	233.44	17.66
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	277.33	20.31
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	330.60	25.61
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	87.81	6.19
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	119.96	9.72
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	106.21	8.48
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	111.83	9.18
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	133.13	12.01
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	159.16	13.25
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	209.09	16.78
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	243.47	19.87
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	320.62	31.80
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	226.35	7.06
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	259.01	9.72
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	323.01	13.25
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	393.18	15.89
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	480.70	20.31
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	558.45	25.61
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	309.27	6.19
		For 316 Stainless Steel, Add	*47.01*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	398.03	8.83
		For 316 Stainless Steel, Add	*60.15*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	452.59	9.72
		For 316 Stainless Steel, Add	*68.53*	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	520.77	10.60
		For 316 Stainless Steel, Add	*79.08*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	638.35	13.25
		For 316 Stainless Steel, Add	*96.84*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	907.74	16.78
		For 316 Stainless Steel, Add	*138.53*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,134.86	20.31
		For 316 Stainless Steel, Add	*173.45*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,362.15	25.61
		For 316 Stainless Steel, Add	*207.70*	
26 27 16 00-0322		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.60	9.72
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	127.60	10.60
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	144.66	12.36
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	158.36	13.25
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	184.58	15.02
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	168.50	15.02
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	200.43	16.78
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	255.28	20.31
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	315.41	27.82
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	381.72	40.05
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	124.25	9.72
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	142.55	10.60
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	160.74	12.36
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	177.88	13.25
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	205.26	15.02
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	188.04	15.02
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	226.93	16.78
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	269.06	20.31
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	344.14	27.82
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	412.73	40.05
26 27 16 00-0343		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0305)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	147.23	9.72
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	156.33	10.60
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	175.67	12.36
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	190.52	13.25
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	229.40	15.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	204.13	15.02
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	260.23	16.78
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	306.99	20.31
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	360.22	27.82
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	440.30	40.05
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	156.42	9.72
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	173.55	10.60
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	191.75	12.36
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	207.75	13.25
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	252.38	15.02
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	223.64	15.02
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	284.37	16.78
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	318.47	20.31
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	398.12	27.82
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	480.52	40.05

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,568.53	49.68
		For Mounting Pan, Add	*77.77*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,180.83	52.99
		For Mounting Pan, Add	*144.91*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,537.90	59.61
		For Mounting Pan, Add	*199.83*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,222.29	59.61
		For Mounting Pan, Add	*101.61*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,980.69	61.28
		For Mounting Pan, Add	*199.83*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,032.09	66.24
		For Mounting Pan, Add	*152.85*	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,120.80	66.24
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,469.06	82.80
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,230.83	74.52
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,347.61	82.80
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,605.42	149.05
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,343.79	99.36
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,829.20	165.60
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,356.61	165.60
		For Mounting Pan, Add	*428.55*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,552.79	74.52
		For Mounting Pan, Add	*152.85*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,580.36	74.52
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,105.42	74.52
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,548.81	82.80
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,463.19	149.05
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,860.72	182.16
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,714.45	215.28
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,983.80	182.16
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,199.88	182.16
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,105.67	198.72
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,078.85	182.16
		For Mounting Pan, Add	*428.55*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,359.77	198.72
		For Mounting Pan, Add	*626.67*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,268.03	198.72
		For Mounting Pan, Add	*835.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	19,273.62	264.96
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,597.90	215.28
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	26,754.63	331.20
		For Mounting Pan, Add	*1,329.11*	
26 27 16 00-0398		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,270.29	215.28
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,212.79	198.72
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,311.66	215.28
		For Mounting Pan, Add	*626.67*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,024.44	231.84
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,925.04	231.84
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	29,301.01	331.20
		For Mounting Pan, Add	*1,329.11*	
26 27 16 00-0405		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,058.96	182.16
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0407		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408		15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	294.86	35.33
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	663.80	35.33
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,794.75	48.57
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,485.70	52.99
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,753.75	52.99
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	494.56	48.57
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	502.86	48.57
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,093.64	48.57
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,163.00	61.82
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	814.08	61.82
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	700.85	97.15
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,157.67	97.15
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	6,977.19	123.65
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,318.49	123.65
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,392.38	185.48
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,932.20	185.48
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	12,488.19	238.47
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,311.12	238.47
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	1,865.72	185.48
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	3,680.76	185.48
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,185.48	238.47
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	15.09	2.21
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	27.19	2.21
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	18.42	3.22
		For Concrete Or Masonry Surface, Add	*0.32*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	14.94	2.30
		For Concrete Or Masonry Surface, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	13.21	2.43
		For Concrete Or Masonry Surface, Add	*0.24*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	15.82	2.30
		For Concrete Or Masonry Surface, Add	*0.23*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	11.19	2.34
		For Concrete Or Masonry Surface, Add	*0.23*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	18.75	2.30
		For Concrete Or Masonry Surface, Add	*0.23*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	15.56	2.30
		For Concrete Or Masonry Surface, Add	*0.23*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	17.48	2.30
		For Concrete Or Masonry Surface, Add	*0.23*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	283.02	19.55
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	314.71	19.55
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	351.36	19.55

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	57.82	4.03
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	47.81	4.03
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	56.43	4.03
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	37.32	4.03
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	27.68	4.03

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	391.68	19.55
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	459.79	19.55
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	496.54	19.55

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	33.07	4.03
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	27.98	4.03
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	31.62	4.03

26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	536.00	19.55
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	617.97	19.55
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	672.01	19.55

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	33.07	4.03
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	27.98	4.03
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	31.62	4.03

26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	413.01	19.55
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	470.32	19.55
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	534.57	19.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	59.77	4.03
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	61.39	4.03
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	66.78	4.03
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	40.34	4.03
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	27.68	4.03
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	395.11	19.55
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	453.89	19.55
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	523.14	19.55
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	918.68	19.55
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,062.84	19.55
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,224.31	19.55
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	460.81	19.55
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	431.76	19.55
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	576.75	19.55
26 27 26		**Wiring Devices** *(26 27)* Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)* Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	43.00	15.67
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	46.55	16.78
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	56.87	20.09
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	63.97	22.30
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	61.13	15.67
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	65.64	16.78
26 27 26 00-0010		Receptacle Components *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	13.78	4.42
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	12.72	4.42
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	18.95	4.42
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	22.56	4.42
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	29.36	5.52
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	41.20	5.52
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	15.17	4.42
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	14.05	4.42
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	30.31	4.42
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	21.42	4.42
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	29.36	5.52
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	41.20	5.52
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	79.19	5.52
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	79.19	5.52
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	57.02	6.62
26 27 26 00-0026		Specialty Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0027		Specialty Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	42.34	7.73
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	42.34	7.73
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	59.64	7.73
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	83.61	7.73
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	85.81	8.83
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	75.96	8.83
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	73.19	8.83
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	58.88	8.83
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	74.24	8.83
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	100.95	8.83
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	103.16	9.94
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	112.94	11.04
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	117.35	13.25
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,218.76	103.77
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,603.63	126.97
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	52.42	8.83
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	75.18	13.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	62.78	5.52
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,153.74	134.40
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	82.73	4.42
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	49.30	5.52
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	49.03	5.52
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	62.49	8.83
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	58.42	5.52
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	51.32	5.52
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	75.72	6.62
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	53.63	6.62
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	78.34	6.62
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	102.42	6.62
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	89.85	8.83
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	968.61	11.04
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	884.23	12.14
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,462.22	22.08
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,865.81	22.08
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,339.35	33.12
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,222.50	33.12
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	29.75	5.52
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	37.57	6.62
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	32.90	7.56
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	56.16	8.83
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	69.28	5.52
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	78.07	5.52
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	38.79	5.52
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	53.19	5.52
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	40.83	6.62
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	40.20	6.62
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	52.87	6.62
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	69.24	6.62
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	67.43	6.62
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	55.46	6.62
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	57.71	8.83
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	59.23	8.83
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	99.60	8.83
26 27 26 00-0086		**Hospital Grade Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0087	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	43.88	4.42
26 27 26 00-0088	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	49.35	4.42
26 27 26 00-0089	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	59.69	4.42
26 27 26 00-0090	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	50.13	4.42
26 27 26 00-0091	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	60.83	4.42
26 27 26 00-0092	EA	20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	69.13	4.42
26 27 26 00-0093	EA	120 Volt, Transient Voltage, Surge Suppresser Receptacle Note: Hospital grade receptacle.	140.59	13.25
26 27 26 00-0094		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	215.51	22.08
26 27 26 00-0096	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	214.80	22.08
26 27 26 00-0097	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	228.16	22.08
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	289.25	24.29
26 27 26 00-0099	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	290.36	24.29
26 27 26 00-0100	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	287.79	24.29
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	352.96	27.16
26 27 26 00-0102	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	331.23	27.16
26 27 26 00-0103	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	365.25	27.16
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	359.18	29.81
26 27 26 00-0105	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	358.75	29.81
26 27 26 00-0106	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	361.83	29.81
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	532.44	35.33
26 27 26 00-0108	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	506.12	35.33
26 27 26 00-0109	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	523.25	35.33
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	582.88	39.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0111	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	583.39	39.31
26 27 26 00-0112	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	583.90	39.31
26 27 26 00-0113	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	647.06	44.16
26 27 26 00-0114	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	680.80	44.16
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	728.06	48.57
26 27 26 00-0116	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	725.52	48.57
26 27 26 00-0117	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	730.29	48.57
26 27 26 00-0118		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0119	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	72.03	4.42
26 27 26 00-0120	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	160.39	5.52
26 27 26 00-0121		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	15.01	4.42
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	18.19	4.42
26 27 26 00-0124	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	27.33	4.42
26 27 26 00-0125	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	31.61	4.42
26 27 26 00-0126	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	57.34	4.42
26 27 26 00-0127	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	63.47	4.42
26 27 26 00-0128	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	69.33	4.42
26 27 26 00-0129		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0130	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	59.58	4.42
26 27 26 00-0131	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	65.92	4.42
26 27 26 00-0132		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0133	EA	TV Receptacle With Cover (Type F), Complete	47.20	10.24
26 27 26 00-0134		**Switches** *(26 27 26)*		
26 27 26 00-0135		**Switches** *(26 27 26 00-0134)*		
26 27 26 00-0136		**Switch Assemblies** *(26 27 26 00-0135)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0137	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	48.38	15.46
26 27 26 00-0138	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	51.70	16.78
26 27 26 00-0139	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	68.74	20.20
26 27 26 00-0140	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	74.48	22.41
26 27 26 00-0141	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	115.75	34.67
26 27 26 00-0142	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	124.34	37.98
26 27 26 00-0143	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	137.13	39.20
26 27 26 00-0144	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	148.58	43.61
26 27 26 00-0145		**Switch Components** *(26 27 26 00-0135)*		
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, SPST Switch	18.55	4.42
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, 3-Way Switch	23.81	5.52
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, 4-Way Switch	54.71	8.83
26 27 26 00-0149	EA	15 Amperes, 120/277 Volt, DPST Switch	24.20	4.42
26 27 26 00-0150	EA	15 Amperes, 120/277 Volt, Thermal Switch	59.35	5.52
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, SPST Switch	21.41	5.52
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, 3-Way Switch	27.44	6.62
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, 4-Way Switch	88.33	8.83
26 27 26 00-0154	EA	20 Amperes, 120/277 Volt, DPST Switch	30.47	5.52
26 27 26 00-0155	EA	20 Amperes, 120/277 Volt, DPDT Switch	34.49	5.52
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	81.47	5.56
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	105.69	5.56
26 27 26 00-0158	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	75.64	6.66
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	35.59	7.73
26 27 26 00-0160	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	46.98	8.83
26 27 26 00-0161	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	88.42	8.83
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	75.01	8.89
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	96.78	8.89
26 27 26 00-0164	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	97.41	11.11
26 27 26 00-0165	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	142.86	12.22
26 27 26 00-0166	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	50.33	7.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0167	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	83.52	7.26
26 27 26 00-0168	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	69.21	7.26
26 27 26 00-0169	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	64.29	7.26
26 27 26 00-0170	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	89.66	3.60
26 27 26 00-0171	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	96.33	3.60
26 27 26 00-0172	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	89.78	13.87
26 27 26 00-0173	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	114.00	13.87
26 27 26 00-0174	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	151.78	4.45
26 27 26 00-0175	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	75.43	4.45
26 27 26 00-0176	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	269.28	4.42
26 27 26 00-0177	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	34.97	4.42
26 27 26 00-0178	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	81.58	4.45
26 27 26 00-0179	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	96.31	4.45
26 27 26 00-0180	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	128.44	4.45
26 27 26 00-0181	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	156.84	4.45
26 27 26 00-0182		Specialty Switches *(26 27 26 00-0134)*		
26 27 26 00-0183		Dimmers With SPST Switch *(26 27 26 00-0182)*		
26 27 26 00-0184	EA	600 Watt Dimmers With SPST Switch	40.88	9.94
26 27 26 00-0185	EA	1,000 Watt Dimmers With SPST Switch	106.43	9.94
26 27 26 00-0186	EA	1,500 Watt Dimmers With SPST Switch	201.23	15.99
26 27 26 00-0187	EA	2,000 Watt Dimmers With SPST Switch	284.88	15.99
26 27 26 00-0188	EA	600 Watt Fluorescent Dimmer Switch	144.15	11.79
26 27 26 00-0189	EA	1,000 Watt Fluorescent Dimmer Switch	216.12	11.79
26 27 26 00-0190	EA	1,500 Watt Fluorescent Dimmer Switch	409.03	17.79
26 27 26 00-0191	EA	Remote Speed Switch For Paddle Fan	75.73	14.70
26 27 26 00-0192	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	136.54	21.95
26 27 26 00-0193		Time Switches *(26 27 26 00-0182)*		
26 27 26 00-0194	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	102.21	13.25
26 27 26 00-0195	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	106.00	13.25
26 27 26 00-0196	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	102.21	13.25
26 27 26 00-0197	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	106.00	13.25
26 27 26 00-0198	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	127.45	13.25
26 27 26 00-0199	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	127.45	13.25
26 27 26 00-0200	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	276.37	13.25
26 27 26 00-0201	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	276.37	13.25
26 27 26 00-0202	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	228.59	13.25
26 27 26 00-0203	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	257.77	13.25
26 27 26 00-0204	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	257.77	13.25
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	326.72	13.25
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	338.33	13.25
26 27 26 00-0207	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	102.21	13.25
26 27 26 00-0208	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	106.00	13.25
26 27 26 00-0209	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	102.21	13.25
26 27 26 00-0210	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	106.00	13.25
26 27 26 00-0211	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	127.45	13.25
26 27 26 00-0212	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	127.45	13.25
26 27 26 00-0213	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	276.37	13.25
26 27 26 00-0214	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	276.37	13.25
26 27 26 00-0215	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	326.72	13.25
26 27 26 00-0216	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	338.33	13.25
26 27 26 00-0217		Low Voltage Switching *(26 27 26 00-0182)*		
26 27 26 00-0218	EA	36 Pin Male Or Female Connector	253.63	4.42
26 27 26 00-0219		Other Switches *(26 27 26 00-0182)*		
26 27 26 00-0220	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	17.92	6.62
26 27 26 00-0221	EA	SPST Locking Switch For Concealed Devices	67.91	17.66
26 27 26 00-0222	EA	3-Way Locking Switch For Concealed Devices	69.91	17.66
26 27 26 00-0223	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	90.66	16.52
26 27 26 00-0224	EA	15 Amperes Momentary Contact Switch	82.39	16.52
26 27 26 00-0225	EA	20 Amperes Momentary Contact Switch	91.10	16.52
26 27 26 00-0226	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	64.32	20.00
26 27 26 00-0227	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	66.75	20.00
26 27 26 00-0228	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	82.93	24.45
26 27 26 00-0229	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	75.44	22.23
26 27 26 00-0230	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	76.05	22.23
26 27 26 00-0231		Plates And Covers *(26 27 26)*		
26 27 26 00-0232		Wall Plates *(26 27 26 00-0231)*		
26 27 26 00-0233		Nylon Wall Plates *(26 27 26 00-0232)*		
26 27 26 00-0234	EA	1 Gang Nylon Switch Wall Plates	1.24	0.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0235	EA	2 Gang Nylon Switch Wall Plates	2.26	0.34
26 27 26 00-0236	EA	3 Gang Nylon Switch Wall Plates	3.33	0.45
26 27 26 00-0237	EA	4 Gang Nylon Switch Wall Plate	5.14	0.56
26 27 26 00-0238	EA	1 Gang Duplex Nylon Wall Plate	1.26	0.22
26 27 26 00-0239	EA	2 Gang Duplex Nylon Wall Plate	2.35	0.34
26 27 26 00-0240		**Plastic Wall Plates** *(26 27 26 00-0232)*		
26 27 26 00-0241	EA	1 Gang Plastic Switch Wall Plates	1.08	0.22
26 27 26 00-0242	EA	2 Gang Plastic Switch Wall Plates	1.94	0.34
26 27 26 00-0243	EA	3 Gang Plastic Switch Wall Plates	2.82	0.45
26 27 26 00-0244	EA	4 Gang Plastic Switch Wall Plates	5.14	0.56
26 27 26 00-0245	EA	1 Gang Duplex Plastic Wall Plate	1.08	0.22
26 27 26 00-0246	EA	2 Gang Duplex Plastic Wall Plate	1.95	0.34
26 27 26 00-0247		**Brass Wall Plates** *(26 27 26 00-0232)*		
26 27 26 00-0248	EA	1 Gang, 0.04" Brass Switch Wall Plates	16.94	1.00
26 27 26 00-0249	EA	2 Gang, 0.04" Brass Switch Wall Plates	34.74	1.16
26 27 26 00-0250	EA	3 Gang, 0.04" Brass Switch Wall Plates	52.49	1.29
26 27 26 00-0251	EA	4 Gang, 0.04" Brass Switch Wall Plates	84.17	1.40
26 27 26 00-0252	EA	5 Gang, 0.04" Brass Switch Wall Plates	103.43	1.49
26 27 26 00-0253	EA	6 Gang, 0.04" Brass Switch Wall Plates	120.40	1.55
26 27 26 00-0254	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	16.94	1.00
26 27 26 00-0255	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	41.55	1.16
26 27 26 00-0256	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	61.45	1.29
26 27 26 00-0257		**Stainless Steel Wall Plates** *(26 27 26 00-0232)*		
26 27 26 00-0258	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	7.12	1.00
26 27 26 00-0259	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	13.29	1.16
26 27 26 00-0260	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	19.90	1.29
26 27 26 00-0261	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	31.25	1.40
26 27 26 00-0262	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	37.47	1.49
26 27 26 00-0263	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	46.34	1.55
26 27 26 00-0264	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	8.20	1.00
26 27 26 00-0265	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	15.83	1.16
26 27 26 00-0266	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	28.33	1.29
26 27 26 00-0267	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	34.90	1.40
26 27 26 00-0268		**Chrome Wall Plates** *(26 27 26 00-0232)*		
26 27 26 00-0269	EA	1 Gang, 0.040" Chrome Switch Wall Plate	38.08	1.00
26 27 26 00-0270	EA	2 Gang 0.040" Chrome Switch Wall Plate	74.35	1.16
26 27 26 00-0271	EA	3 Gang 0.040" Chrome Switch Wall Plate	110.66	1.29
26 27 26 00-0272	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	38.05	1.00
26 27 26 00-0273		**Ceramic Wall Plates** *(26 27 26 00-0232)*		
26 27 26 00-0274	EA	1 Gang, Ceramic Switch Wall Plate	18.09	1.22
26 27 26 00-0275	EA	1 Gang, Ceramic Duplex Receptacle Wall Plate	18.09	1.22
26 27 26 00-0276	EA	2 Gang, Ceramic Switch Wall Plate	21.09	1.16
26 27 26 00-0277	EA	2 Gang, Ceramic Combination Switch/Receptacle Wall Plate	21.09	1.16
26 27 26 00-0278	EA	3 Gang, Ceramic Switch Wall Plate	28.18	1.29
26 27 26 00-0279		**Weatherproof Covers** *(26 27 26 00-0231)*		
26 27 26 00-0280		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0281	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	14.85	0.22
26 27 26 00-0282	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	16.18	0.22
26 27 26 00-0283	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	16.18	0.22
26 27 26 00-0284	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	16.18	0.22
26 27 26 00-0285	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	19.53	0.34
26 27 26 00-0286	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	22.41	0.34
26 27 26 00-0287	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	22.70	0.34
26 27 26 00-0288	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	22.70	0.34
26 27 26 00-0289	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	31.47	0.34
26 27 26 00-0290	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	29.15	0.45
26 27 26 00-0291	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	32.09	0.45
26 27 26 00-0292		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0293	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	18.43	0.22
26 27 26 00-0294	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	61.36	0.22
26 27 26 00-0295	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	68.95	0.22
26 27 26 00-0296	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	18.29	0.22
26 27 26 00-0297	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	51.84	0.22
26 27 26 00-0298	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	86.99	0.22
26 27 26 00-0299	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	111.06	0.22
26 27 26 00-0300	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	22.70	0.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0301	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	175.53	0.34
26 27 26 00-0302	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	38.57	0.45
26 27 26 00-0303	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	167.04	0.45
26 27 26 00-0304		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0305	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.59	0.22
26 27 26 00-0306	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.47	0.22
26 27 26 00-0307	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.85	0.34
26 27 26 00-0308	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.83	0.34
26 27 26 00-0309	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.83	0.34
26 27 26 00-0310	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	12.24	0.34
26 27 26 00-0311		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	66.79	0.22
26 27 26 00-0313		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0314	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.61	0.22
26 27 26 00-0315	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.61	0.22
26 27 26 00-0316	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	12.61	0.22
26 27 26 00-0317	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	15.31	0.34
26 27 26 00-0318	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	15.31	0.34
26 27 26 00-0319		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0320	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	96.45	0.22
26 27 26 00-0321		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0279)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0322	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.07	0.22
26 27 26 00-0323	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	12.65	0.33
26 27 26 00-0324	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.11	0.22
26 27 26 00-0325	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	27.62	0.22
26 27 26 00-0326	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.14	0.22
26 27 26 00-0327	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	25.91	0.22
26 27 26 00-0328	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	19.11	0.22
26 27 26 00-0329	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.50	0.22
26 27 26 00-0330	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.03	0.22
26 27 26 00-0331	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	28.81	0.33
26 27 26 00-0332		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0333	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	29.05	
26 27 26 00-0334	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	3.68	
26 27 26 00-0335		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336	EA	Single Pole Water Resistant In Line Midget Fuseholder	61.38	
26 27 26 00-0337	EA	Double Pole Water Resistant In Line Midget Fuseholder	189.24	
26 27 26 00-0338		**Relay Systems** *(26 27 26)*		
26 27 26 00-0339	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	56.61	9.94
26 27 26 00-0340	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	299.63	33.12
26 27 26 00-0341	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	555.42	44.16
26 27 26 00-0342		**Limit Switches** *(26 27 26)*		
26 27 26 00-0343		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0342)*		
26 27 26 00-0344		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0343)*		
26 27 26 00-0345	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	347.00	27.82
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,984.52	135.80
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,614.98	147.19
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,350.12	163.40
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,967.59	176.64
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,039.90	220.80
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,604.20	264.96
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,143.22	309.12
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,557.30	353.29
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,366.30	397.45
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,817.28	44.16
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,760.89	55.20
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,469.08	66.24
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	706.57	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	529.92	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	59.64	7.74

26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	107.00	
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	98.23	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	62.40	

26 27 73 00-0007 Door Bell Buzzer System, Wired *(26 27 73)*

26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	388.56	91.99
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	236.22	22.08
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	85.18	11.04

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.42	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.51	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.28	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.11	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.26	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	15.01	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	14.48	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	10.10	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.44	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	10.70	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.82	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.95	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.99	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.75	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.39	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.63	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	33.98	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.59	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.26	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.62	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	29.17	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.82	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.50	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.49	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.68	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	45.48	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0030		**250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	96.79	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	96.13	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	109.52	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	95.07	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	315.57	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	224.28	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	201.62	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	213.78	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	423.85	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	451.98	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	488.35	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	369.01	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	861.36	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	806.24	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	620.18	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0046		**600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.58	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	66.27	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	60.98	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.72	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.22	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	61.76	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.00	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.42	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.64	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.78	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	90.00	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	90.27	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	88.11	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	89.13	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	90.03	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	181.23	3.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	183.83	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	182.69	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	183.59	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	358.87	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	364.70	4.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.92*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	353.60	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	352.63	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	701.97	5.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.58*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	699.21	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	793.57	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	715.25	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,316.47	6.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.37*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,159.96	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,005.53	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0078		600 Volt AC, Class CC Midget Fuses *(26 28 13)* Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	48.97	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	50.02	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	49.72	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	49.39	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	54.34	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	46.41	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	55.72	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	49.42	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	48.12	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	45.15	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	47.67	3.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.12*	
26 28 13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	76.31	2.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	77.00	2.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.33*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	62.23	2.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.59*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	58.02	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	59.67	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	58.20	3.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.99*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	73.03	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	56.53	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	118.09	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	96.88	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	114.84	4.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	92.66	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	90.38	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	151.64	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	164.23	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	161.02	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	129.85	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	364.61	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	303.09	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	280.45	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	285.35	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	228.12	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	656.10	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	602.69	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	551.29	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	605.99	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	484.83	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,095.15	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	914.30	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	663.55	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,174.22	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,178.58	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,182.63	5.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.31*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,169.25	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,994.87	6.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.98*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,130.91	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,957.79	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,194.86	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,151.18	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,902.28	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,954.82	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,615.22	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,892.76	8.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,926.72	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,662.25	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,452.87	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,633.35	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,683.61	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,810.44	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,756.13	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,383.48	9.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.96*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,087.03	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,491.76	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,853.53	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,879.10	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,651.28	11.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,325.27	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,016.40	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,472.92	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,027.51	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,551.21	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,855.07	12.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.29*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	37.63	7.95
		For Bolt-On, Add	*7.79*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	37.63	7.95
		For Bolt-On, Add	*7.79*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	68.16	9.94
		For Bolt-On, Add	*12.38*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	147.36	9.94
		For Bolt-On, Add	*22.28*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	237.94	9.94
		For Bolt-On, Add	*33.61*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	289.58	9.94
		For Bolt-On, Add	*40.06*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	97.46	9.94
		For Bolt-On, Add	*16.05*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	72.58	11.92
		For Bolt-On, Add	*13.71*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	72.58	11.92
		For Bolt-On, Add	*13.71*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	127.48	15.89
		For Bolt-On, Add	*22.12*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	266.88	19.87
		For Bolt-On, Add	*41.09*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	328.10	22.08
		For Bolt-On, Add	*49.51*	
		For Installation In New Panelboard, Deduct	*-12.15*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	314.73	14.13
		For Bolt-On, Add	*44.91*	
		For Installation In New Panelboard, Deduct	*-7.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.54*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	462.89	14.13
		For Bolt-On, Add	*63.43*	
		For Installation In New Panelboard, Deduct	*-7.95*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.54*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	196.59	15.89
		For Bolt-On, Add	*30.76*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	196.59	15.89
		For Bolt-On, Add	*30.76*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	266.00	19.87
		For Bolt-On, Add	*40.98*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	456.02	23.85
		For Bolt-On, Add	*66.28*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	604.25	27.82
		For Bolt-On, Add	*86.35*	
		For Installation In New Panelboard, Deduct	*-15.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	84.55	7.95
		For Bolt-On, Add	*13.66*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	84.55	7.95
		For Bolt-On, Add	*13.66*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	188.12	9.94
		For Bolt-On, Add	*27.38*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	340.41	9.94
		For Bolt-On, Add	*46.42*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	196.13	11.92
		For Bolt-On, Add	*29.15*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	196.13	11.92
		For Bolt-On, Add	*29.15*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	452.09	15.89
		For Bolt-On, Add	*62.69*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	631.43	19.87
		For Bolt-On, Add	*86.66*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	991.63	22.08
		For Bolt-On, Add	*132.45*	
		For Installation In New Panelboard, Deduct	*-12.14*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	339.94	15.89
		For Bolt-On, Add	*48.68*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	339.94	15.89
		For Bolt-On, Add	*48.68*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	542.29	19.87
		For Bolt-On, Add	*75.51*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	809.92	23.85
		For Bolt-On, Add	*110.51*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,333.16	27.82
		For Bolt-On, Add	*177.46*	
		For Installation In New Panelboard, Deduct	*-15.46*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,558.44	29.81
		For Bolt-On, Add	*206.40*	
		For Installation In New Panelboard, Deduct	*-16.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,676.24	31.80
		For Bolt-On, Add	*221.89*	
		For Installation In New Panelboard, Deduct	*-17.66*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.20*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	2,016.90	33.79
		For Bolt-On, Add	*265.25*	
		For Installation In New Panelboard, Deduct	*-18.77*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.52*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	115.40	7.95
		For Bolt-On, Add	*17.52*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	115.40	7.95
		For Bolt-On, Add	*17.52*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	218.59	9.94
		For Bolt-On, Add	*31.19*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	276.51	11.92
		For Bolt-On, Add	*39.20*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	276.51	11.92
		For Bolt-On, Add	*39.20*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	529.17	15.89
		For Bolt-On, Add	*72.33*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,540.10	19.87
		For Bolt-On, Add	*200.24*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	472.59	15.89
		For Bolt-On, Add	*65.26*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	472.59	15.89
		For Bolt-On, Add	*65.26*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	638.83	19.87
		For Bolt-On, Add	*87.58*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,913.14	23.85
		For Bolt-On, Add	*248.42*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0052		Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	141.58	7.95
		For Bolt-On, Add	*20.79*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	141.58	7.95
		For Bolt-On, Add	*20.79*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	161.92	9.94
		For Bolt-On, Add	*24.10*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	336.91	9.94
		For Bolt-On, Add	*45.98*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	344.83	11.92
		For Bolt-On, Add	*47.74*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	344.83	11.92
		For Bolt-On, Add	*47.74*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	405.39	15.89
		For Bolt-On, Add	*56.86*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	611.48	19.87
		For Bolt-On, Add	*84.16*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	825.07	22.08
		For Bolt-On, Add	*111.63*	
		For Installation In New Panelboard, Deduct	*-12.14*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,043.11	25.84
		For Bolt-On, Add	*140.44*	
		For Installation In New Panelboard, Deduct	*-14.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.22*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,108.21	29.81
		For Bolt-On, Add	*150.12*	
		For Installation In New Panelboard, Deduct	*-16.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	406.53	15.89
		For Bolt-On, Add	*57.00*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	406.53	15.89
		For Bolt-On, Add	*57.00*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	465.95	19.87
		For Bolt-On, Add	*65.97*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	764.69	23.85
		For Bolt-On, Add	*104.86*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,008.09	30.91
		For Bolt-On, Add	*137.99*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,265.85	35.77
		For Bolt-On, Add	*172.14*	
		For Installation In New Panelboard, Deduct	*-19.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,348.71	37.98
		For Bolt-On, Add	*183.27*	
		For Installation In New Panelboard, Deduct	*-20.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	361.90	11.92
		For Bolt-On, Add	*49.88*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	361.90	11.92
		For Bolt-On, Add	*49.88*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	570.40	15.89
		For Bolt-On, Add	*77.48*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	980.23	19.87
		For Bolt-On, Add	*130.26*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,582.11	24.73
		For Bolt-On, Add	*207.42*	
		For Installation In New Panelboard, Deduct	*-13.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.56*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,814.32	25.84
		For Bolt-On, Add	*236.84*	
		For Installation In New Panelboard, Deduct	*-14.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.22*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,968.20	29.81
		For Bolt-On, Add	*257.62*	
		For Installation In New Panelboard, Deduct	*-16.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	531.25	15.89
		For Bolt-On, Add	*72.59*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	531.25	15.89
		For Bolt-On, Add	*72.59*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	670.58	19.87
		For Bolt-On, Add	*91.55*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,227.30	23.85
		For Bolt-On, Add	*162.69*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,830.27	30.91
		For Bolt-On, Add	*240.76*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,167.49	35.77
		For Bolt-On, Add	*284.85*	
		For Installation In New Panelboard, Deduct	*-19.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,353.54	37.98
		For Bolt-On, Add	*308.88*	
		For Installation In New Panelboard, Deduct	*-20.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	378.86	11.92
		For Bolt-On, Add	*52.00*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	378.86	11.92
		For Bolt-On, Add	*52.00*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	727.01	15.89
		For Bolt-On, Add	*97.06*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,414.46	19.87
		For Bolt-On, Add	*184.54*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,299.89	24.73
		For Bolt-On, Add	*297.15*	
		For Installation In New Panelboard, Deduct	*-13.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.56*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,639.84	25.84
		For Bolt-On, Add	*340.03*	
		For Installation In New Panelboard, Deduct	*-14.35*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.22*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	2,859.05	29.81
		For Bolt-On, Add	*368.97*	
		For Installation In New Panelboard, Deduct	*-16.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.87*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	648.70	15.89
		For Bolt-On, Add	*87.27*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	648.70	15.89
		For Bolt-On, Add	*87.27*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	874.17	19.87
		For Bolt-On, Add	*117.00*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,723.45	23.85
		For Bolt-On, Add	*224.70*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,171.35	30.91
		For Bolt-On, Add	*283.40*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,584.88	35.77
		For Bolt-On, Add	*462.02*	
		For Installation In New Panelboard, Deduct	*-19.87*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.85*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,821.07	37.98
		For Bolt-On, Add	*492.32*	
		For Installation In New Panelboard, Deduct	*-20.98*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	184.33	7.95
		For Bolt-On, Add	*26.13*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	184.33	7.95
		For Bolt-On, Add	*26.13*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	353.37	9.94
		For Bolt-On, Add	*48.04*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	448.33	11.92
		For Bolt-On, Add	*60.68*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	448.33	11.92
		For Bolt-On, Add	*60.68*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	870.75	15.89
		For Bolt-On, Add	*115.03*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,701.57	19.87
		For Bolt-On, Add	*220.42*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	3,433.92	24.73
		For Bolt-On, Add	*438.90*	
		For Installation In New Panelboard, Deduct	*-13.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.56*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	774.04	15.89
		For Bolt-On, Add	*102.94*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	774.04	15.89
		For Bolt-On, Add	*102.94*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,048.31	19.87
		For Bolt-On, Add	*138.77*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,101.92	23.85
		For Bolt-On, Add	*272.01*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	4,270.25	30.91
		For Bolt-On, Add	*545.76*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	304.77	7.95
		For Bolt-On, Add	*41.19*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	304.77	7.95
		For Bolt-On, Add	*41.19*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	481.46	9.94
		For Bolt-On, Add	*64.05*	
		For Installation In New Panelboard, Deduct	*-5.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	587.67	11.92
		For Bolt-On, Add	*78.10*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	587.67	11.92
		For Bolt-On, Add	*78.10*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,170.72	15.89
		For Bolt-On, Add	*152.52*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,210.54	19.87
		For Bolt-On, Add	*284.05*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	4,577.09	22.08
		For Bolt-On, Add	*580.64*	
		For Installation In New Panelboard, Deduct	*-12.14*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.57*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,053.27	15.89
		For Bolt-On, Add	*137.84*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,053.27	15.89
		For Bolt-On, Add	*137.84*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,479.72	19.87
		For Bolt-On, Add	*192.69*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,480.38	23.85
		For Bolt-On, Add	*319.32*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	5,745.42	30.91
		For Bolt-On, Add	*730.16*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	96.88	7.95
		For Bolt-On, Add	*15.20*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	249.76	11.92
		For Bolt-On, Add	*35.86*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	424.23	15.89
		For Bolt-On, Add	*59.21*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	284.13	7.95
		For Bolt-On, Add	*38.61*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	284.13	7.95
		For Bolt-On, Add	*38.61*	
		For Installation In New Panelboard, Deduct	*-4.42*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.30*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	565.18	15.89
		For Bolt-On, Add	*76.83*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	702.45	11.92
		For Bolt-On, Add	*92.44*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	702.45	11.92
		For Bolt-On, Add	*92.44*	
		For Installation In New Panelboard, Deduct	*-6.63*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,429.41	15.89
		For Bolt-On, Add	*184.86*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,497.65	19.87
		For Bolt-On, Add	*319.93*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	5,688.12	24.73
		For Bolt-On, Add	*720.68*	
		For Installation In New Panelboard, Deduct	*-13.80*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.56*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,217.47	15.89
		For Bolt-On, Add	*158.37*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,217.47	15.89
		For Bolt-On, Add	*158.37*	
		For Installation In New Panelboard, Deduct	*-8.83*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,718.09	19.87
		For Bolt-On, Add	*222.49*	
		For Installation In New Panelboard, Deduct	*-11.04*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.25*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,689.19	23.85
		For Bolt-On, Add	*345.42*	
		For Installation In New Panelboard, Deduct	*-13.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.90*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	7,073.85	30.91
		For Bolt-On, Add	*896.21*	
		For Installation In New Panelboard, Deduct	*-17.11*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.54*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	339.83	44.16
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	609.49	53.21
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	888.59	62.27
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,572.50	98.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,606.53	152.36
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,158.36	225.22
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,597.85	264.96
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,760.28	309.12
26 28 16 16-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	601.63	49.07
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	726.35	59.13
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,271.05	69.11
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,846.97	109.07
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,349.94	169.22
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,845.50	250.13
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,474.92	294.24
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,583.19	343.48
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	452.69	69.33
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	715.04	92.08
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,063.50	102.23
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,690.23	160.08
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,834.14	262.75
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,513.16	368.08
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	656.84	76.62
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	812.59	102.23
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,362.87	115.04
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,979.26	175.32
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,906.54	283.07
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,112.41	408.92
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,674.50	485.76
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,801.28	552.00
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	428.53	69.33
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	683.83	92.08
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,006.71	102.23
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,768.33	160.08
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,274.31	262.75
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,175.36	368.08
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,552.90	463.69
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,667.48	529.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	745.46	76.62
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	921.51	102.23
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,522.12	115.04
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,217.66	175.32
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,415.18	283.07
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,010.74	408.92
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,165.95	485.76
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,412.35	552.00
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	324.55	63.90
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	537.31	88.90
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	805.47	102.23
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,251.67	163.57
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,709.85	272.60
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,668.36	371.74
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,949.70	441.61
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,393.85	515.40
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	358.71	70.52
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	611.77	99.76
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	916.68	113.58
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,418.87	177.79
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,917.06	292.08
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,165.84	408.88
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,861.40	441.61
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,642.39	515.40
26 28 16 16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	351.23	57.41
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	574.43	79.93
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	848.14	92.08
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,320.31	147.27
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,870.53	245.31
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,907.74	334.51
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,265.36	397.45
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,322.13	463.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	379.90	63.37
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	623.51	89.87
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	916.03	102.23
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,419.19	160.08
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,075.54	262.75
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,277.41	368.08
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,869.82	397.45
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	424.87	63.46
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	700.20	89.78
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,040.76	102.23
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,611.31	160.00
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,344.28	262.84
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,072.77	367.99
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,776.50	397.45
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,356.38	463.69
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	783.19	57.49
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	898.40	80.02
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,516.34	91.99
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,234.19	147.19
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	842.83	63.37
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	970.66	89.87
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,631.97	102.23
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,398.36	160.08
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	968.01	63.46
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,108.73	89.78
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,880.27	102.23
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,760.06	160.00
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	200.64	38.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	301.14	46.24
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	540.69	54.05
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,067.92	85.28
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,859.97	132.26
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,582.43	195.76
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	244.10	60.37
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	368.27	80.02
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	610.37	88.90
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,177.08	139.15
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,055.81	228.57
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,837.31	319.98
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	302.51	60.37
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	462.44	80.02
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	696.05	88.90
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,392.95	139.15
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,424.80	228.57
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,071.22	319.98
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	269.80	53.44
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	402.96	61.43
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,094.26	98.17
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,560.58	163.40
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,705.77	222.66
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	257.02	49.98
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	347.40	69.55
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	645.45	80.02
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,154.81	128.03
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,661.73	213.38
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,844.92	290.84
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		

Note: With fuses, neutral bar, and hub if required.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	557.86	51.89
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	979.37	62.27
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,248.54	72.42
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,807.66	110.40
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,299.44	176.64
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,870.63	235.59
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,200.40	264.96
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,357.50	309.12
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,051.36	69.16
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,240.95	84.79
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,865.60	97.38
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,588.33	146.04
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,989.93	238.95
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,517.95	328.60
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,409.05	378.36
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,136.33	425.93
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	641.01	81.69
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,115.25	108.19
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,397.38	118.79
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,035.83	183.92
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,816.32	306.69
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,499.56	408.92
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,109.52	96.84
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,309.47	118.70
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,855.79	136.28
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,666.58	204.46
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,050.62	334.56
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,583.63	460.02
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,948.14	529.92
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,460.08	596.17
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	740.04	81.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,118.12	108.19
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,536.64	118.79
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,128.71	183.92
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,901.52	306.69
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,436.71	408.92
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,743.88	463.69
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,089.20	529.92
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,166.34	96.93
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,373.36	118.79
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,997.78	136.24
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,758.87	204.46
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,384.30	334.51
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,967.00	459.94
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,155.35	529.92
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,051.34	596.17
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	547.04	45.44
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	944.53	62.93
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,289.93	72.16
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,621.47	116.85
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,906.92	194.92
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,559.89	259.89
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,658.61	309.25
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,960.86	353.42
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	620.83	50.08
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,075.84	70.08
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,467.20	79.14
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,831.43	122.68
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,510.35	204.46
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,198.59	272.60
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,526.73	323.96
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,121.70	367.99
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	592.47	68.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,007.44	94.37
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,362.09	108.23
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,738.29	175.28
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,173.16	292.34
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,959.46	389.72
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,123.87	463.69
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,757.39	529.92

26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*

26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	638.96	75.07
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,087.48	105.15
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,464.87	118.70
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,854.95	184.01
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,458.06	306.65
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,510.41	408.88
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,039.12	485.76
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,993.51	552.00

26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*

26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	187.17	75.07
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,145.92	105.15
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,546.34	118.70
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,954.11	184.01
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,714.80	306.65
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,471.18	408.88
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,017.14	485.76
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,963.60	552.00

26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*

Note: With fuses, neutral bar, and hub if required.

26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*

26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	280.25	45.13
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	439.00	54.14
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	614.54	62.97
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,411.59	96.00
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,822.12	153.59
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,082.78	204.90

26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*

26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	332.92	71.15
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	519.70	94.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	695.00	103.25
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,540.82	160.00
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,051.61	266.64
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,393.16	355.67
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	414.86	71.10
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	601.44	94.11
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	959.03	103.25
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,711.51	160.00
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,161.26	266.69
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,251.12	355.67
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,271.13	402.92
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	258.45	39.52
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	468.31	54.72
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	468.34	62.75
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,423.48	101.56
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,855.62	169.49
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,128.82	225.97
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	416.44	59.26
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	614.24	82.05
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,018.04	94.11
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,791.76	152.40
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,908.21	44.16
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,291.52	53.21
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,886.38	62.18
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,703.23	98.12
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,842.89	152.27
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,869.66	225.13
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,453.37	49.07
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,707.57	59.09
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,274.76	69.07
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,402.53	109.07
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,324.94	169.31
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,506.50	250.13
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,053.97	69.42
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,551.73	91.99
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,202.12	102.23
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,327.97	160.00
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,512.01	262.84
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,742.28	367.99
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,515.92	76.66
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,801.88	102.23
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,382.59	115.00
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,557.22	175.22
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,934.23	283.07
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,223.04	408.88
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,517.04	69.42
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,130.63	91.99
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,360.49	102.23
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,911.99	160.00
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,629.57	262.84
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,026.57	367.99
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,063.11	76.66
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,422.37	102.23
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,565.00	115.00
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,154.48	175.22
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,093.86	283.07
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,565.73	408.88
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,822.75	44.16
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,183.73	61.43
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,314.90	70.65
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,919.35	112.88
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,856.25	187.95
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,608.46	256.04
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,079.67	48.71
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,492.98	68.89
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,926.81	78.51
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,752.35	122.68
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,381.34	201.90
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,818.32	282.63
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,849.43	57.49
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,188.07	80.02
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,244.84	91.99
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,467.97	147.19
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,184.27	245.35
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,262.62	334.56
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,109.10	63.46
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,534.75	89.78
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,974.24	102.23
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,826.96	160.00
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,887.69	262.84
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,557.17	367.99
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,641.11	57.49
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,116.65	80.02
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,413.34	91.99
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,277.85	147.19
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,013.87	63.46
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,558.53	89.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,466.56	102.23
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,872.51	160.00
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,491.88	76.62
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,912.90	102.23
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,345.67	115.04
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,445.23	175.32
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,307.79	63.37
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,714.71	89.87
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,973.62	102.23
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,383.54	160.08
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,042.84	76.62
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,529.41	102.23
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,511.58	115.04
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,829.10	63.37
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,298.45	89.87
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,092.71	102.23
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,071.62	88.32
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,443.86	105.15
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,809.59	118.70
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,392.69	184.01
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,219.66	105.15
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,617.37	118.70
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,967.41	184.01
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	568.96	44.16
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	763.29	53.21
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,088.86	62.27
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,867.32	98.03
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,244.83	152.36
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,890.64	225.22
26 28 16 16-0410		**600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	985.59	49.02
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	977.52	59.18
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,481.03	69.11
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,312.57	109.07
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,358.08	169.14
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,986.77	250.17
26 28 16 16-0417		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	754.08	69.33
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,063.59	92.08
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,558.26	102.23
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,279.42	160.08
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,707.38	262.75
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,803.02	368.08
26 28 16 16-0424		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,076.31	76.62
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,148.70	102.23
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,855.80	115.04
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,664.96	175.32
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,968.96	283.07
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,793.79	408.92
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	827.55	69.33
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,114.06	92.08
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,716.67	102.23
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,478.30	160.08
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,239.88	262.75
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,162.76	368.08
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,161.48	76.62
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,375.89	102.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,012.02	115.04
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,963.13	175.32
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,451.73	283.07
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,191.36	408.92
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	604.71	63.81
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	788.73	88.98
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,095.39	102.23
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,506.73	163.62
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,590.34	272.69
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,876.12	371.83
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	676.30	70.44
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	873.94	99.80
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,221.98	113.49
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,636.90	177.75
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,788.33	292.12
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,493.46	408.92
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	775.90	57.41
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,000.57	79.93
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,399.93	92.08
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,924.20	147.27
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,355.03	245.31
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,117.70	334.51
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	726.11	63.37
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,066.97	89.87
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,482.38	102.23
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,832.22	160.08
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,295.63	262.75
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,616.60	368.08
26 28 16 16-0474		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	986.07	57.41
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,120.10	79.93

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26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,889.58	92.08
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,990.27	147.27
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,775.08	187.68
26 28 16 16-0480		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,007.26	63.37
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,208.96	89.87
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,000.65	102.23
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,032.04	160.08
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,922.43	247.30
26 28 16 16-0486		**Double Throw Safety Switches** *(26 28 16 16-0001)*		
26 28 16 16-0487		**NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0488		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	707.97	56.75
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,090.37	74.19
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,561.98	96.93
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,097.58	126.08
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,729.04	157.65
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,578.93	252.82
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,846.48	353.29
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,020.91	397.45
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,355.77	441.61
26 28 16 16-0498		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	857.55	79.49
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,229.80	103.77
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,945.50	135.80
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,960.99	176.64
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,878.68	220.80
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,785.09	353.29
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,701.95	397.45
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,746.58	441.61
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,398.62	485.76
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,892.15	574.08
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	29,428.60	662.41
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	40,764.67	750.73
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	44,708.62	839.05
26 28 16 16-0512		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,168.06	99.36
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,767.13	129.83
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,413.56	169.57
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,729.79	220.37
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,300.97	276.00
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,607.39	442.26
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,294.51	485.76
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,308.07	507.84
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,203.82	529.92
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	30,893.35	618.25
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	35,569.67	706.57
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	51,479.53	794.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	56,899.63	883.21
26 28 16 16-0526		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,311.62	74.19
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,039.57	96.93
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,082.87	126.08
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,907.87	157.65
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,597.06	252.82
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,960.52	353.29
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,743.51	397.45
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,403.04	441.61
26 28 16 16-0535		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,370.68	103.77
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,116.90	135.80
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,183.67	176.64
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,034.12	220.80
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,799.26	353.29
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,892.66	397.45
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,597.21	441.61
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,541.33	485.76
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	29,727.47	574.08
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	33,784.68	662.41
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	40,764.61	750.73
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	49,011.67	839.05
26 28 16 16-0548		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0487)*		
26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,905.14	129.83
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,615.02	169.57
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,142.26	220.37
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,183.72	276.00
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,599.31	442.26
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,826.81	485.76
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,437.32	507.84
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,618.21	529.92
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	33,859.03	618.25
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	38,985.32	706.57
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	56,468.52	794.88
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	62,412.95	883.21
26 28 16 16-0561		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0562		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,063.97	96.93
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,178.74	126.08
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,141.06	157.65
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	31,331.98	252.82
26 28 16 16-0567		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,665.35	135.57
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,500.32	176.43
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,435.28	220.80
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,507.85	353.95
26 28 16 16-0572		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,713.53	99.40
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,334.62	129.74
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,735.24	169.53
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,959.04	220.45
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,273.82	276.00
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,764.62	442.32
26 28 16 16-0579		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,787.69	74.19
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,794.87	96.93
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,320.33	126.08
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,629.35	157.65
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,008.39	252.82
26 28 16 16-0585		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,933.39	103.77
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,009.39	135.57
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,687.81	176.43
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,298.49	220.80
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,920.45	353.95
26 28 16 16-0591		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,366.72	129.74
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,749.95	169.53
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,163.47	220.45
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,249.68	276.00
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,897.66	442.32
26 28 16 16-0597		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0598		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,277.07	56.79
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,534.14	74.14
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,807.30	96.89
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,892.12	125.99
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,632.00	157.70
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,090.99	252.73
26 28 16 16-0605		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,550.64	79.49
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,972.19	103.77
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,469.36	135.57
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,895.98	176.43
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,389.26	220.80
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,119.85	353.95
26 28 16 16-0612		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,901.25	99.40
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,502.40	129.74
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,211.46	169.53
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,480.59	220.45
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,313.16	276.00
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,812.44	442.32
26 28 16 16-0619		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,452.65	74.14
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,543.07	96.89
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,983.79	125.99
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,189.85	157.70
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,490.57	252.73
26 28 16 16-0625		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,685.79	103.77
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,796.84	135.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,438.56	176.43
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,835.44	220.80
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,374.83	353.95
26 28 16 16-0631		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,554.72	129.74
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,597.46	169.53
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,708.10	220.45
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,802.87	276.00
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,461.55	442.32
26 28 16 16-0637		Removal And Reinstallation Of Disconnect (Safety) Switches *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	220.80	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	287.05	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	320.19	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	375.39	
26 28 16 16-0642		Bolted Contact Switches *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		Electrical Trip, Bolted Contact Switches *(26 28 16 16-0642)*		
26 28 16 16-0644		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	8,977.33	441.61
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	9,501.25	529.92
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	10,165.40	618.25
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	10,509.00	706.57
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	11,881.06	794.88
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	15,376.83	883.21
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	21,273.11	1,059.86
26 28 16 16-0652		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	9,625.12	441.61
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	10,275.93	529.92
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	10,933.40	618.25
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	11,610.93	706.57
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	13,069.80	794.88
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	17,607.38	883.21
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	23,597.16	1,059.86
26 28 16 16-0660		Manually Operated, Bolted Contact Switches *(26 28 16 16-0642)*		
26 28 16 16-0661		Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*		
26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	6,065.58	441.61
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	6,624.23	529.92
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	7,237.62	618.25
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	7,843.02	706.57
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	8,515.19	794.88
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	12,010.96	883.21
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	17,827.10	1,059.86
26 28 16 16-0669		Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*		
26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	6,494.33	441.61
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	7,272.03	529.92
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	7,865.39	618.25
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	8,672.47	706.57
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	9,557.01	794.88
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	14,074.55	883.21
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	19,990.87	1,059.86

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	162.56	22.23
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	213.81	28.89
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	195.52	22.23
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	246.77	28.89
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	176.85	22.23
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	232.49	28.89
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	428.52	26.68
		For Pilot Light, Add	*126.33*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	483.06	33.34
		For Pilot Light, Add	*126.33*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	461.48	26.68
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	512.73	33.34

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	114.42	22.23
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	215.74	28.89
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	131.58	24.45
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	233.96	31.12
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	145.16	22.23
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	247.54	28.89
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	386.19	26.68
		For Pilot Light, Add	*120.84*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	475.86	33.34
		For Pilot Light, Add	*120.84*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	404.42	28.89
		For Pilot Light, Add	*120.84*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	490.90	35.57
		For Pilot Light, Add	*120.84*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	415.88	26.68
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	514.02	33.34
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	86.24	15.56
		For Pilot Light, Add	*76.32*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	187.56	22.23
		For Pilot Light, Add	*76.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	103.41	17.78
		For Pilot Light, Add	*76.32*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	204.72	24.45
		For Pilot Light, Add	*76.32*	
26 29 13 13-0030		**Reversing Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	384.25	40.01
		For Pilot Light, Add	*122.96*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	574.17	53.35
		For Pilot Light, Add	*122.96*	
26 29 13 13-0033		**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	384.25	40.01
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	574.17	53.35
26 29 13 13-0036		**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	390.63	26.68
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	390.63	26.68
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	900.46	31.12
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	900.46	31.12
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,212.45	31.12
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	508.28	31.12
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	344.33	20.00
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	474.17	28.89
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	474.17	28.89
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,092.77	33.34
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,092.77	33.34
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,428.92	33.34
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	591.82	33.34
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	427.88	22.23
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	648.89	31.12
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	648.89	31.12
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,314.72	35.57
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,314.72	35.57
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,636.60	35.57
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	769.83	35.57
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	605.89	24.45
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	482.52	33.34
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	482.52	33.34
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	992.36	37.78
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	992.36	37.78
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,313.14	37.78
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	601.27	37.78
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	439.52	26.68
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	566.06	35.57
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	566.06	35.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,184.66	40.01
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,184.66	40.01
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,528.51	40.01
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	683.72	40.01
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	519.77	28.89
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,245.23	46.68
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,245.23	46.68
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,125.18	33.34
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,488.11	51.12
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,368.07	37.78
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,245.23	46.68
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,125.18	33.34
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,488.11	51.12
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,368.07	37.78
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	404.21	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	459.24	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	450.35	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	506.47	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	561.50	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	712.32	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	911.47	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	536.14	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	591.17	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	648.39	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	813.65	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,011.69	91.14
		For Factory Installed Accessory, Deduct	*-182.28*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,015.21	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,102.31	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,429.09	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,572.49	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	1,743.28	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,224.96	111.15
		For Factory Installed Accessory, Deduct	*-222.28*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,271.30	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	3,695.93	111.15
		For Factory Installed Accessory, Deduct	*-222.28*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,022.72	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	5,537.05	155.61
		For Factory Installed Accessory, Deduct	*-311.20*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	7,794.08	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	8,541.04	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	22,877.12	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	32,689.27	400.12
		For Factory Installed Accessory, Deduct	*-800.24*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	438.26	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	493.29	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	484.40	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	541.63	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	596.66	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	749.67	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	949.92	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	572.39	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	629.62	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	684.64	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	851.00	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,047.95	91.14
		For Factory Installed Accessory, Deduct	*-182.28*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,177.80	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,266.00	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,591.68	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	1,892.18	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,061.86	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,544.64	111.15
		For Factory Installed Accessory, Deduct	*-222.28*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,358.36	111.15
		For Factory Installed Accessory, Deduct	*-222.28*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	4,685.15	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	9,748.36	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	28,186.47	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	38,013.99	400.12
		For Factory Installed Accessory, Deduct	*-800.24*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	729.48	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	784.51	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	872.50	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,520.55	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,609.85	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,298.64	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,467.23	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,030.89	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	13,192.35	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	32,409.34	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,144.84	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,193.18	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,248.21	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,414.56	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,393.12	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	3,656.97	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,408.49	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	13,192.35	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	36,008.22	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	

26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,416.29	71.13
		For Factory Installed Accessory, Deduct	*-142.27*	

26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	512.96	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	521.85	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	575.68	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	639.50	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,048.79	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	663.67	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	796.70	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	842.84	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,115.18	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,244.03	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	1,977.27	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,383.05	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	10,409.69	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	24,433.78	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	35,141.26	400.12
		For Factory Installed Accessory, Deduct	*-800.24*	

26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	549.22	44.46
		For Factory Installed Accessory, Deduct	*-88.92*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	558.11	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	611.94	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	675.75	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	698.82	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	763.74	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	880.19	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,278.86	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,407.71	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,296.95	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,045.48	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	11,620.30	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	799.79	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	863.61	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	886.68	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	951.59	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,068.04	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,622.71	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	1,750.46	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	2,702.32	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,390.12	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,061.00	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	36,486.10	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	799.79	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	863.61	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	886.68	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	951.59	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,068.04	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,622.71	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	1,750.46	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	2,702.32	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,390.12	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,513.07	75.58
		For Factory Installed Accessory, Deduct	*-151.16*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,152.43	75.58
		For Factory Installed Accessory, Deduct	*-151.16*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,240.41	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,151.02	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,197.35	111.15
		For Factory Installed Accessory, Deduct	*-222.28*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	9,954.37	155.61
		For Factory Installed Accessory, Deduct	*-311.20*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,159.02	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,223.94	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,262.39	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,327.30	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,443.75	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,403.79	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	3,890.97	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	7,766.62	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	17,707.43	177.83
		For Factory Installed Accessory, Deduct	*-355.66*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,534.83	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	4,820.35	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	9,642.96	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,439.36	71.13
		For Factory Installed Accessory, Deduct	*-142.27*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,513.07	75.58
		For Factory Installed Accessory, Deduct	*-151.16*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,552.61	75.58
		For Factory Installed Accessory, Deduct	*-151.16*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,621.93	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	2,755.95	80.03
		For Factory Installed Accessory, Deduct	*-160.05*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,157.92	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,063.65	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,132.86	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,260.39	62.24
		For Factory Installed Accessory, Deduct	*-124.48*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,300.05	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,338.50	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,433.08	71.13
		For Factory Installed Accessory, Deduct	*-142.27*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,479.38	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,518.92	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,758.35	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,553.32	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	10,869.41	200.06
		For Factory Installed Accessory, Deduct	*-400.12*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	20,647.04	266.74
		For Factory Installed Accessory, Deduct	*-533.49*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	68,264.93	489.03
		For Factory Installed Accessory, Deduct	*-978.07*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,120.67	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,162.52	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,202.07	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,326.31	62.24
		For Factory Installed Accessory, Deduct	*-124.48*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,368.16	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,407.71	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,531.95	71.13
		For Factory Installed Accessory, Deduct	*-142.27*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,578.25	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,617.79	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,015.41	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	4,998.24	133.38
		For Factory Installed Accessory, Deduct	*-266.74*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	11,686.74	200.06
		For Factory Installed Accessory, Deduct	*-400.12*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,649.39	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,688.94	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,899.03	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,485.60	88.92
		For Factory Installed Accessory, Deduct	*-177.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0272		**NEMA 4X, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,126.17	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,533.84	71.13
		For Factory Installed Accessory, Deduct	*-142.27*	
26 29 13 13-0275		**Magnetic Contactor/Starters Accessories** *(26 29 13 13-0083)*		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	156.43	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	280.45	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	156.43	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	280.45	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	280.45	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	132.91	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	116.63	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	156.43	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	132.91	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	178.98	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	206.82	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	368.43	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	392.23	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	468.36	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	832.91	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	832.91	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	39.37	3.33
		For Factory Installed Accessory, Deduct	*-6.66*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	89.07	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	118.85	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	88.78	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	48.39	3.33
		For Factory Installed Accessory, Deduct	*-6.66*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	24.58	3.33
		For Factory Installed Accessory, Deduct	*-6.66*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	178.01	4.45
		For Factory Installed Accessory, Deduct	*-8.89*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	315.53	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	
26 29 13 13-0300		**Definite Purpose Starters** *(26 29 13 13)*		
26 29 13 13-0301		**Open Enclosure, Definite Purpose Starter** *(26 29 13 13-0300)*		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	432.97	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	431.87	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	467.13	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	472.52	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	514.37	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	507.67	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	571.71	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	662.89	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	856.49	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	462.53	48.90
		For Factory Installed Accessory, Deduct	*-97.81*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	497.79	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	495.59	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	534.14	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	537.34	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	580.28	57.80
		For Factory Installed Accessory, Deduct	*-115.59*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	574.69	53.35
		For Factory Installed Accessory, Deduct	*-106.70*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	637.62	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	725.50	66.69
		For Factory Installed Accessory, Deduct	*-133.38*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	920.21	77.80
		For Factory Installed Accessory, Deduct	*-155.61*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	178.98	5.56
		For Factory Installed Accessory, Deduct	*-11.11*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	107.08	22.23
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	131.29	24.45
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	131.29	24.45
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	147.83	26.68
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	126.85	22.23
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	137.84	22.23
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	149.97	24.45
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	160.95	24.45
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	156.56	24.45
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	160.95	24.45
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	169.80	26.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	167.54	24.45
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	180.78	26.68
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	169.74	24.45
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	169.74	24.45
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	191.77	26.68
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	191.77	26.68
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	187.27	22.23
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	209.24	22.23
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	232.36	24.45
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	232.36	24.45
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	254.33	24.45
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	263.18	26.68
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	263.18	26.68
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	227.92	22.23
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	249.89	22.23
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	270.81	24.45
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	292.78	24.45
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	308.22	26.68
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	330.19	26.68
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	258.73	24.45
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	310.36	24.45
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	354.36	26.68
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	39.48	11.11
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	47.96	11.11
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	63.32	11.11
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	93.87	11.11
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,052.06	211.97
		For NEMA 4, Add	*827.39*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	12,656.43	282.63
		For NEMA 4, Add	*1,511.28*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	22,735.68	335.62
		For NEMA 4, Add	*2,758.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	56,908.61	410.70
		For NEMA 4, Add	*7,011.35*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	91,249.78	525.51
		For NEMA 4, Add	*11,274.79*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	6,996.93	216.47
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	12,555.72	283.07
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	22,551.88	334.56
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	56,441.41	408.88
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	90,498.49	525.73

26 29 13 13-0378 Factory Modifications Pilot Devices *(26 29 13 13-0365)*

26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	194.93
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	214.99
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	365.96
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	198.83
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	285.90
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	142.95
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	466.59

26 29 13 13-0386 Factory Modifications Meters *(26 29 13 13-0365)*

26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,875.53
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,811.50
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	640.42
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	530.66

26 29 13 13-0391 Factory Modifications Main Circuit Breakers *(26 29 13 13-0365)*

26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,478.79
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,533.40
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,642.97

26 29 13 13-0395 Factory Modifications Addition *(26 29 13 13-0365)*

Note: For reversing service auto transformer type.

26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29

26 29 13 13-0400 Combination Starters Non-Reversing *(26 29 13 13)*

26 29 13 13-0401 240-600 Volt, 3-Pole *(26 29 13 13-0400)*

26 29 13 13-0402 NEMA 1 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,418.57	101.56
		For Electronic Overloads, Add	*230.68*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,600.83	158.98
		For Electronic Overloads, Add	*243.36*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,395.98	185.48
		For Electronic Overloads, Add	*385.31*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,835.52	229.63
		For Electronic Overloads, Add	*641.35*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,246.87	366.54
		For Electronic Overloads, Add	*1,237.06*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	15,538.32	459.27
		For Electronic Overloads, Add	*2,777.48*	

26 29 13 13-0409 NEMA 1 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,898.88	101.56
		For Electronic Overloads, Add	*321.94*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,081.14	158.98
		For Electronic Overloads, Add	*334.62*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,862.95	185.48
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,089.02	229.63
		For Electronic Overloads, Add	*689.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,701.14	366.54
		For Electronic Overloads, Add	*1,513.37*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,394.14	459.27
		For Electronic Overloads, Add	*3,510.08*	

26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	218.73	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	513.74	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	354.57	

26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,767.53	132.49
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,929.66	185.48
		For Electronic Overloads, Add	*486.71*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,411.47	203.14
		For Electronic Overloads, Add	*760.49*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,308.41	247.30
		For Electronic Overloads, Add	*1,295.37*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	11,649.71	366.54
		For Electronic Overloads, Add	*2,073.60*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	26,772.23	459.27
		For Electronic Overloads, Add	*4,911.92*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,247.84	132.49
		For Electronic Overloads, Add	*565.30*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,409.97	185.48
		For Electronic Overloads, Add	*577.97*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,878.44	203.14
		For Electronic Overloads, Add	*849.21*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,561.90	247.30
		For Electronic Overloads, Add	*1,343.53*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	13,103.98	366.54
		For Electronic Overloads, Add	*2,349.91*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	25,264.59	459.27
		For Electronic Overloads, Add	*4,625.47*	

26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	218.76	
26 29 13 13-0436	EA	H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	513.74	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	354.57	

26 29 13 13-0438 NEMA 12 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,479.27	102.23
		For Electronic Overloads, Add	*242.22*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,664.86	160.00
		For Electronic Overloads, Add	*255.52*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,497.38	184.01
		For Electronic Overloads, Add	*404.58*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,004.29	229.98
		For Electronic Overloads, Add	*673.41*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,572.41	368.03
		For Electronic Overloads, Add	*1,298.92*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,269.22	459.98
		For Electronic Overloads, Add	*2,916.35*	

26 29 13 13-0445 NEMA 12 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,052.79	102.23
		For Electronic Overloads, Add	*351.18*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,241.11	160.00
		For Electronic Overloads, Add	*365.01*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,089.59	184.01
		For Electronic Overloads, Add	*517.10*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,418.67	229.98
		For Electronic Overloads, Add	*752.15*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,424.68	368.03
		For Electronic Overloads, Add	*1,650.85*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	21,072.29	459.98
		For Electronic Overloads, Add	*3,828.93*	

26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	216.94	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	509.47	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	351.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,780.76	211.97
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,131.06	282.63
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,419.28	388.62
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,145.73	529.92
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,384.01	741.89
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,719.43	132.49
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,911.73	185.48
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,989.30	203.14
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,766.60	247.30
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,691.54	366.54
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,972.85	132.49
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,182.25	185.48
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,305.98	203.14
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,330.61	247.30
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	10,548.13	366.54
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,866.79	136.32
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,068.97	184.01
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,252.13	204.46
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,202.13	245.35
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,603.71	368.03
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,146.03	136.32
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,367.05	184.01
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,601.07	204.46
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,721.73	245.35
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,547.55	368.03
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,533.35	282.63
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,770.52	353.29
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,957.66	459.27
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,333.67	600.59
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	21,261.99	812.55
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		
26 29 13 13-0499		**Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,430.46	79.49
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,785.08	79.49
26 29 13 13-0502		**Removal And Reinstallation Of Motor Starters** *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	315.43	
26 29 13 13-0504		**Auxiliary Devices** *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	364.41	44.16
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	364.41	44.16
26 29 13 13-0507	EA	Pilot Light Kit	392.28	44.16
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		**208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	1,818.60	238.19
		For 6-Pulse Drive Package, Deduct	*-738.19*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,063.40	260.32
		For 6-Pulse Drive Package, Deduct	*-849.84*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,423.35	286.24
		For 6-Pulse Drive Package, Deduct	*-1,017.97*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,600.56	275.14
		For 6-Pulse Drive Package, Deduct	*-1,127.65*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	2,779.19	299.98
		For 6-Pulse Drive Package, Deduct	*-1,198.58*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,047.86	299.98
		For 6-Pulse Drive Package, Deduct	*-1,346.35*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	3,641.90	358.17
		For 6-Pulse Drive Package, Deduct	*-1,609.05*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,029.99	358.17
		For 6-Pulse Drive Package, Deduct	*-1,822.50*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	5,198.25	539.30
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	6,272.95	539.30
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	7,552.53	716.42
		For 6-Pulse Drive Package, Deduct	*-3,365.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	8,895.89	716.42
		For 6-Pulse Drive Package, Deduct	*-4,104.72*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	10,060.14	716.42
		For 6-Pulse Drive Package, Deduct	*-4,745.05*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	13,334.28	905.64
		For 6-Pulse Drive Package, Deduct	*-6,337.68*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	16,113.67	1,071.36
		For 6-Pulse Drive Package, Deduct	*-7,684.03*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	18,501.87	1,071.36
		For 6-Pulse Drive Package, Deduct	*-8,997.54*	

26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*

Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	4,558.82	428.55
		For 6-Pulse Drive Package, Deduct	*-2,035.94*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	4,737.93	428.55
		For 6-Pulse Drive Package, Deduct	*-2,134.45*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,110.98	510.63
		For 6-Pulse Drive Package, Deduct	*-2,249.38*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,140.83	510.63
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,742.60	774.13
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	7,160.53	774.13
		For 6-Pulse Drive Package, Deduct	*-3,086.75*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,460.74	1,021.25
		For 6-Pulse Drive Package, Deduct	*-3,530.06*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	9,953.36	1,021.25
		For 6-Pulse Drive Package, Deduct	*-4,351.00*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,505.69	1,021.25
		For 6-Pulse Drive Package, Deduct	*-5,204.78*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	15,132.47	1,297.24
		For 6-Pulse Drive Package, Deduct	*-6,895.93*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	20,510.59	1,538.36
		For 6-Pulse Drive Package, Deduct	*-9,588.62*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	21,943.51	1,538.36
		For 6-Pulse Drive Package, Deduct	*-10,376.73*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	25,519.22	1,714.21
		For 6-Pulse Drive Package, Deduct	*-12,149.97*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	27,071.55	1,714.21
		For 6-Pulse Drive Package, Deduct	*-13,003.75*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	30,295.62	1,714.21
		For 6-Pulse Drive Package, Deduct	*-14,776.99*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	34,826.07	2,068.86
		For 6-Pulse Drive Package, Deduct	*-16,878.60*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	44,305.61	2,161.19
		For 6-Pulse Drive Package, Deduct	*-21,990.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	52,055.08	2,479.89
		For 6-Pulse Drive Package, Deduct	*-25,902.42*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	60,163.20	2,689.51
		For 6-Pulse Drive Package, Deduct	*-30,131.26*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	70,090.17	2,904.12
		For 6-Pulse Drive Package, Deduct	*-35,355.09*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	75,507.25	3,149.20
		For 6-Pulse Drive Package, Deduct	*-38,064.86*	

26 30 Facility Electrical Power Generating and Storing Equipment
(26)

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,154.00	41.95
		For >25 To 50, Deduct	*-159.45*	
		For >50 To 100, Deduct	*-213.30*	
		For >100, Deduct	*-318.91*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,266.21	41.95
		For >25 To 50, Deduct	*-167.87*	
		For >50 To 100, Deduct	*-224.52*	
		For >100, Deduct	*-335.74*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,109.98	41.95
		For >25 To 50, Deduct	*-156.15*	
		For >50 To 100, Deduct	*-208.90*	
		For >100, Deduct	*-312.30*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,648.72	41.95
		For >25 To 50, Deduct	*-121.56*	
		For >50 To 100, Deduct	*-162.77*	
		For >100, Deduct	*-243.11*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,899.19	41.95
		For >25 To 50, Deduct	*-140.34*	
		For >50 To 100, Deduct	*-187.82*	
		For >100, Deduct	*-280.68*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,938.87	41.95
		For >25 To 50, Deduct	*-143.32*	
		For >50 To 100, Deduct	*-191.79*	
		For >100, Deduct	*-286.64*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,814.87	41.95
		For >25 To 50, Deduct	*-134.02*	
		For >50 To 100, Deduct	*-179.39*	
		For >100, Deduct	*-268.04*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	726.07	41.95
		For >25 To 50, Deduct	*-52.36*	
		For >50 To 100, Deduct	*-70.51*	
		For >100, Deduct	*-104.72*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	936.86	41.95
		For >25 To 50, Deduct	*-68.17*	
		For >50 To 100, Deduct	*-91.59*	
		For >100, Deduct	*-136.33*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,021.18	41.95
		For >25 To 50, Deduct	*-74.49*	
		For >50 To 100, Deduct	*-100.02*	
		For >100, Deduct	*-148.98*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,360.82	44.16
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,128.86	44.16
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,535.07	44.16
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,446.43	44.16
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,480.31	44.16
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,699.29	44.16
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,570.79	88.32
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	16,005.72	88.32
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	395.56	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0026		**SMA Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	3,934.68	44.16
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,759.11	44.16
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,527.44	44.16
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,113.99	44.16
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,916.41	44.16
26 31 00 00-0032		**PVPowered Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,912.05	44.16
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,145.60	44.16
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,704.15	44.16
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,751.89	55.20
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,236.33	66.24
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,307.43	66.24
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,780.65	66.24
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	106,468.32	353.29
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	106,611.15	353.29
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	115,481.57	353.29
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	106,952.00	353.29
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,609.90	88.32
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,609.90	88.32
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,106.20	88.32
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,106.20	88.32
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	52,090.64	264.96
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,609.11	264.96
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	57,053.71	264.96
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,675.08	264.96
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,638.14	264.96
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,880.89	264.96
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,572.05	353.29
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,539.07	353.29
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	66,053.58	353.29
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,469.15	353.29
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	664.99	11.04
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	728.85	11.04
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,198.15	11.04
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	350.55	16.56
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	211.67	16.56
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	707.65	16.56
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	322.49	44.16
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	309.62	44.16
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	508.80	66.24
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	513.31	66.24
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	930.48	66.24
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	929.48	44.16
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,148.65	44.16
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,213.54	88.32
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,550.43	88.32
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	810.87	44.16
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	266.23	16.56
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	377.83	16.56
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	452.22	16.56
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	330.71	16.56
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,288.95	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	280.83	6.62
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	352.13	8.83
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	384.56	8.83
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	427.86	13.25
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	494.76	13.25
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	588.36	15.46
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	675.02	17.66
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	666.36	17.66
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,268.34	20.98
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,475.69	22.08
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	277.66	11.11
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	399.17	11.11
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	609.97	11.11
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	704.20	11.11
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	706.68	11.11
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,410.97	11.11
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,639.12	11.11
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	319.67	11.04
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,740.80	11.11
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,634.17	11.11
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,192.14	11.11
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	952.19	11.11
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,298.78	11.11
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	679.51	22.08
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,545.36	11.04
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,283.80	11.04
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	200.19	11.04
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	516.04	22.08
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,519.32	11.04
26 31 00 00-0120	EA	RS 485 Module (SMA)	310.72	11.04
26 31 00 00-0121	EA	RS 232 Module (SMA)	319.67	11.04
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	593.97	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	324.50	11.04
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	322.00	11.04
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	648.16	11.04
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	315.83	3.31
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,360.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	646.70	11.04
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	604.86	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	204.20	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	366.73	11.04
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	303.25	11.04
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,324.73	11.04
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	845.74	11.04
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,501.48	11.04
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,612.96	11.04
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	668.60	11.04
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	463.96	11.04
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	290.36	11.04
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,385.58	11.04
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	112.98	11.04
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	451.36	11.04
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	507.89	11.04
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	201.46	22.08
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	964.77	22.08
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,119.36	44.16
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	162.85	3.31
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	252.13	3.31
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	33.78	1.09
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	36.77	1.09
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	38.46	1.09
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	43.15	1.09
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.18	1.09
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	76.93	2.19
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	98.75	2.19
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	127.12	3.28
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	44.32	1.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	64.24	1.09
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	90.99	2.19
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	126.14	2.19
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	199.56	4.37
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	209.48	4.37
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	3,728.30	119.24
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	9.91	1.10
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	18.82	5.52
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	29.86	5.52
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	18.65	2.21
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	6.39	1.66
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	19.16	2.21
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	4.55	0.74
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	4.91	0.74
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	10.60	2.21
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	71.73	11.04
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	84.23	11.04
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	94.29	11.04
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	103.95	16.56
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	141.44	16.56
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	175.47	16.56
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	177.48	22.08
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	267.05	22.08
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	366.90	33.12
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	177.55	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	344.06	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	46.76	11.04
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	47.91	11.04
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	48.96	11.04
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	51.59	11.04
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	39.79	11.04
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	41.12	11.04
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	44.99	11.04
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	43.89	11.04
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	108.81	16.56
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	109.61	16.56
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	111.97	16.56
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	109.50	16.56
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	26.23	2.21
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	14.17	2.21
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	30.51	3.31
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	32.31	3.31
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	9.80	0.74
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	49.44	2.21
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.50	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0880 for fuel reimbursment for commissioning.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001		**Diesel Generator Sets (Cummins)** *(26 32 13 13)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0829 for loadbank rental, 01 22 23 00-0880 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	32,051.17	445.17
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,323.23*	
		For Tier 4 Diesel Generator, Add	*10,732.87*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	33,710.22	470.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,297.76*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,333.49	496.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,459.13*	
		For Tier 4 Diesel Generator, Add	*11,835.15*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,898.54	548.12
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,986.29*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	36,469.22	600.98
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*12,137.44*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	43,043.27	690.02
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*14,422.67*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,429.89	792.96
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*15,584.39*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	54,712.59	929.30
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*18,438.63*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	58,818.48	1,079.55
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,119.97*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,771.28	1,279.87
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,272.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	66,099.70	1,410.64
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*19,126.83*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	69,559.25	1,574.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*20,162.66*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	74,121.05	1,725.05
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*21,541.20*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	80,371.36	1,822.43
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*23,478.20*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	83,956.77	1,897.56
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*21,065.08*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	91,754.62	2,000.50
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,111.26*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	93,548.18	2,089.54
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,527.08*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	106,209.06	2,337.16
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*26,877.24*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	114,628.49	2,559.75
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*29,075.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	130,420.06	2,757.29
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*33,294.01*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	137,433.61	2,938.14
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*35,142.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	203,933.85	3,235.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*48,108.95*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	234,109.66	3,558.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*55,343.88*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	244,747.61	3,636.51
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*57,912.00*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	300,306.54	3,920.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*71,384.88*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	335,230.50	4,173.50
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*79,582.27*	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0829 for loadbank rental, 01 22 23 00-0880 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	14,033.10	372.83
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	15,862.99	445.17
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	18,462.11	495.26
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	21,068.59	548.12
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	23,763.50	600.98
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	25,815.77	648.29
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	28,062.79	792.96
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	30,052.68	887.57
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	40,264.75	948.77
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	48,861.55	1,068.42
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	55,734.53	1,279.87
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	66,708.20	1,410.64
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	110,418.65	3,752.20
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	125,725.58	1,694.44
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	135,039.02	1,897.56
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	175,919.08	2,089.54
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	188,614.33	2,337.16
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	266,819.09	2,757.29
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	342,719.54	2,938.14
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	384,187.99	3,096.74
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	438,612.01	3,235.85
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	458,742.37	3,358.28
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	485,181.87	3,589.21
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	

26 32 13 19-0025 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,570.94	211.43
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,882.71	234.91
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,831.85	258.41

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,042.88	88.32
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,312.36	88.32
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,428.80	88.32
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,560.90	88.32
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,332.53	110.40
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,891.87	110.40
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,850.78	110.40
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,338.05	145.73
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,228.94	145.73

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,685.87	88.32
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,005.14	88.32
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,071.33	88.32
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,527.38	88.32
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,677.56	110.40
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,586.41	110.40
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,280.95	110.40
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,234.99	145.73
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,807.78	145.73

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,084.35	1,947.64
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	26,155.94	1,947.64
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,465.09	2,782.34
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	35,043.54	2,782.34
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	40,315.58	2,782.34
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	46,480.52	4,173.50
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	55,337.01	4,173.50

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	86,506.40	5,564.67
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	94,027.59	5,564.67
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	113,435.13	7,234.07
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	128,525.93	8,792.18
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	153,420.82	8,792.18
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	219,057.13	13,132.62
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	224,456.67	13,132.62
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	259,992.78	15,302.85

26 32 36 Resistive Load Banks *(26 32)*

See CSI section 01 22 23 00-0829 for portable/trailer mounted resistive load bank for testing of generators, 26 32 13 00-0000 for generators.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 36 00-0001		**Stationary Resistive Load Banks** *(26 32 36)* Note: Controls include: Main Power On/Off switch, Blower Start/Stop push button, Master Load On/Off switch, Individual Load Step switches. Load Voltage Selector switch (dual voltage units), and Emergency Stop button. Fault condition smart indicators provide operator display and load disconnect during Air-Flow Failure, Over-temperature, Motor Overload, Load Dump, and Wrong Voltage Applied (dual voltage units). Control Power: An Integral Control Power Transformer is provided for control circuit operation. Cooling Power: Blower motor is factory-wired to the main load bus. Cooling: Integrally mounted blower motor with high-performance, direct-driven fan blade delivers the required airflow volume (CFM) for cooling resistor load elements. Motor circuits are short-circuit protected by current-limiting fuses and thermally protected by overload relay. Safety Features: Emergency-Stop push button allows the operator to take the unit off-line should a critical hard-stop condition occur. Branch circuit fuse protection provides short-circuit fault protection of all load steps eliminating the potential for catastrophic failure. Blower On, Motor Overload, Air-Flow Failure, and Over-temperature circuits disable all load steps during a fault condition with operator visual indicators. Dual Voltage units feature a Wrong Voltage Applied protection circuit which prevents the application of 480 VAC with the Load Voltage Selector switch in the 240 VAC position.		
26 32 36 00-0002	EA	100 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	10,789.92	264.96
26 32 36 00-0003	EA	150 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	11,561.12	294.22
26 32 36 00-0004	EA	200 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Permanent Resistive Load Bank	12,301.42	304.70
26 32 36 00-0005	EA	250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	13,040.82	316.41
26 32 36 00-0006	EA	300 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	14,386.26	333.64
26 32 36 00-0007	EA	400 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	15,731.71	350.85
26 32 36 00-0008	EA	500 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	23,247.20	373.60
26 32 36 00-0009	EA	600 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	28,956.05	393.03
26 32 36 00-0010	EA	750 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	32,018.04	412.02
26 32 36 00-0011	EA	800 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	32,099.29	452.65
26 32 36 00-0012	EA	1,000 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	42,671.10	493.05
26 32 36 00-0013	EA	1,250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	56,348.17	574.08
26 32 36 00-0014	EA	1,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	68,656.49	985.74
26 32 36 00-0015	EA	2,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	76,615.78	1,182.90
26 32 36 00-0016	EA	2,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	85,043.48	1,271.74
26 32 36 00-0017	EA	3,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	92,760.08	1,380.04
26 32 36 00-0018		**Load Bank Docking Stations** *(26 32 36)*		
26 32 36 00-0019	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	5,665.70	176.64
26 32 36 00-0020	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	6,759.07	220.80
26 32 36 00-0021	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	8,382.19	264.96
26 32 36 00-0022	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	10,772.73	309.12
26 32 36 00-0023	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	11,108.24	353.29
26 32 36 00-0024	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	11,443.74	397.45
26 32 36 00-0025	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	13,862.29	441.61
26 32 36 00-0026	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	24,551.76	683.45
26 32 36 00-0027	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	28,058.83	736.02
26 32 36 00-0028	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	31,419.50	788.59
26 32 36 00-0029	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	38,306.99	841.17
26 32 36 00-0030	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	43,754.94	920.03
26 32 36 00-0031	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	51,508.88	998.89
26 32 36 00-0032	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	61,072.35	1,077.75
26 32 36 00-0033	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	62,586.54	1,156.60
26 32 36 00-0034	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	64,153.30	1,261.75
26 32 36 00-0035	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	71,145.93	1,366.90
26 32 36 00-0036	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	8,166.75	176.64
26 32 36 00-0037	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	9,134.49	220.80
26 32 36 00-0038	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	10,565.75	264.96
26 32 36 00-0039	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,668.50	309.12
26 32 36 00-0040	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,973.12	353.29
26 32 36 00-0041	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	13,277.72	397.45
26 32 36 00-0042	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	15,405.00	441.61
26 32 36 00-0043	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	56,889.40	683.45
26 32 36 00-0044	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	70,661.44	736.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 36 00-0045	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	72,258.71	788.59
26 32 36 00-0046	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	73,855.96	841.17
26 32 36 00-0047	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	75,505.80	920.03
26 32 36 00-0048	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	83,816.44	998.89
26 32 36 00-0049	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	85,466.27	1,077.75
26 32 36 00-0050	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	87,116.11	1,156.60
26 32 36 00-0051	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	88,818.52	1,261.75
26 32 36 00-0052	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	90,520.92	1,366.90

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,229.32	11.11
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,331.62	11.11
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	329.36	11.11
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	295.58	11.11
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	536.44	11.11
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	629.77	11.11

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,695.76	252.01
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,229.69	252.01
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,569.57	252.01
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,735.46	298.38

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	985.86	43.72
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,184.80	51.00
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,487.37	58.29
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,850.20	65.58
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,440.78	72.86
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,107.61	87.44

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,022.48	87.44

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,313.11	116.58
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,882.24	131.15
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,502.33	160.30
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	12,128.00	174.87

26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,184.80	51.00
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,487.37	58.29
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,875.35	65.58
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,446.85	72.86
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,126.50	87.44
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,028.82	116.58
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,473.29	131.15
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,721.61	174.87

26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*

26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	773.48	13.25
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,029.20	13.25
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	1,000.73	13.25
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	663.32	13.25
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	798.82	43.72
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	842.97	58.29

26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)*

Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.

26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,173.99	174.87
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,573.85	233.17
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	53,003.74	291.46
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	57,300.59	349.75
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	69,013.78	408.04

26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)*

Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	93,422.20	828.03
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	100,789.97	1,025.18
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	111,204.18	1,196.04
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	138,145.35	1,353.75
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	142,894.29	1,511.47
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	148,715.13	1,669.19
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	155,772.05	1,826.91
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	162,828.96	1,984.63

26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)*

Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.

26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	87,377.92	683.45
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	111,822.21	1,201.30
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	153,975.11	1,387.93
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	182,049.33	1,524.61
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	213,625.71	1,682.33

26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*

26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	649.81	22.08
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,098.47	22.08
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	1,929.21	44.16
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	5,697.63	176.64
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	650.99	22.08
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	345.38	22.08
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	389.97	22.08
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	434.57	22.08
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	514.84	22.08
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	541.60	22.08
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	679.85	22.08
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	713.29	22.08

26 33 53 00-0068 Other Uninterruptable Power Supply Equipment *(26 33 53)*

26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,430.33	40.32
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,605.75	80.64
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	24.55	2.42
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	49.84	3.02
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	104.58	3.02
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	154.76	4.03
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	227.01	4.03
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,350.26	40.32
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,374.20	30.24

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001 Power Factor Correction Capacitors *(26 35 33 16)*

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	1,500.01	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,661.30	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,822.60	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,977.44	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	2,429.05	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	2,967.77	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	4,583.91	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	5,567.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	7,193.61	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	8,180.71	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	14,354.96	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	21,584.05	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	28,780.89	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	1,335.50	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	595.52	44.16
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,098.70	52.99
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,251.09	70.65
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,737.74	88.32
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,420.42	114.81
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,155.58	141.32
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,995.68	167.81
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,931.90	189.89
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,693.55	229.63
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,538.07	258.34
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,382.58	287.04
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	9,207.23	346.65
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	12,103.43	417.32
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	15,432.91	507.84
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	17,599.15	593.96
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	23,088.41	662.41
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	36,383.55	750.73
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	55,450.84	839.05

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,979.35	702.15
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,344.74	883.21
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,681.20	1,051.01

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,174.60	77.28
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,342.92	96.00

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,268.67	117.46
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	3,578.34	140.95
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,043.82	164.44
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,085.79	187.93
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	6,379.61	211.43
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	7,183.74	234.91
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	8,002.05	258.41
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	9,480.92	281.90
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	12,620.86	352.37
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	14,093.26	422.85
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	18,805.35	667.76
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,719.37	164.44
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,748.75	211.43
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	6,176.27	281.90
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	10,470.48	352.37
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,104.89	117.46
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	5,871.67	140.95
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,143.68	152.70
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	6,415.70	164.44
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	7,664.08	187.93
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	8,764.38	211.43
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	9,665.08	234.91
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	10,045.58	258.41
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	11,403.41	281.90
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	15,767.92	352.37
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	17,568.68	422.85
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	22,867.94	667.76
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	30,179.72	723.41
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	31,953.98	834.70
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	36,564.71	945.99
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	44,069.81	1,168.59
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	78,719.33	1,391.17
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	24,108.20	892.69
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	25,132.10	939.67
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	26,338.70	986.65
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	29,796.41	1,010.14
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	34,969.76	1,033.63
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	42,692.85	1,080.61
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	47,344.50	1,127.60
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	59,933.29	1,315.54
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	80,051.15	1,669.40
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	105,889.22	1,780.69
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	120,504.60	1,947.64
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	195,975.70	2,225.86
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	211,164.06	2,504.10
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	8,648.55	117.46
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,293.02	140.95
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	9,614.61	152.70
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	9,936.20	164.44
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	11,973.91	187.93
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	15,734.53	211.43
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	16,709.92	234.91
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	17,317.06	258.41
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	19,641.92	281.90
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	23,788.82	352.37
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	24,542.69	422.85
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	28,894.24	667.76
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0054		EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055		EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002		EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	244.26	11.04
26 43 13 00-0003		EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	266.80	11.04
26 43 13 00-0004		EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	271.22	13.25
26 43 13 00-0005		EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	233.40	8.83
26 43 13 00-0006		EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	271.22	13.25

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0008		EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	355.35	11.04
26 43 13 00-0009		EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	372.65	13.25
26 43 13 00-0010		EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	368.23	11.04
26 43 13 00-0011		EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	372.65	13.25

26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0013		EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	439.07	11.04
26 43 13 00-0014		EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	456.37	13.25
26 43 13 00-0015		EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	415.33	8.83
26 43 13 00-0016		EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	456.37	13.25

26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0018		EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	526.01	11.04
26 43 13 00-0019		EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	590.00	13.25
26 43 13 00-0020		EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	503.88	8.83

26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0022		EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	952.25	13.25
26 43 13 00-0023		EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	947.83	11.04
26 43 13 00-0024		EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	952.25	13.25

26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert Interceptor Hybrid.

26 43 13 00-0026		EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,304.66	22.08
26 43 13 00-0027		EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,177.62	22.08

26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression *(26 43 13)*

Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.

26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D. EMA series.

26 43 13 00-0030		EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,467.70	57.41
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0031		EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,916.20	66.24
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0032		EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,259.06	77.28
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0033		EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,713.91	88.32
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0034		EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,410.23	121.45
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0035		EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,671.64	57.41
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0036		EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,140.23	66.24
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	
26 43 13 00-0037		EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,605.18	77.28
			For Integral Disconnect, Add	*265.68*	
			For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,163.42	88.32
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,103.89	121.45
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,671.64	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,140.23	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,605.16	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,163.42	88.32
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,103.89	121.45
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,875.57	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,367.15	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,954.14	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,615.83	88.32
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,800.36	121.45
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,112.53	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,602.69	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,318.92	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,089.75	88.32
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,543.96	121.45
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,433.70	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,160.83	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,176.24	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,550.02	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,333.16	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,401.70	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,550.02	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,333.16	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,401.70	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,697.95	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,518.42	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,690.36	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,853.06	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,715.17	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,993.38	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,824.83	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,273.34	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,616.19	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,028.77	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,497.37	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,962.31	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,028.77	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,497.37	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,962.29	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,232.70	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,724.28	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,311.28	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,469.66	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,959.83	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,676.06	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,790.83	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,517.96	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,533.37	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,907.16	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,690.29	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,758.84	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,907.16	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,690.29	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,758.84	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,055.08	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,875.56	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,047.49	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,210.19	57.41
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,072.30	66.24
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,350.51	77.28
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	877.63	124.80
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	975.32	124.80
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	975.32	124.80
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,156.75	124.80
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,156.75	124.80
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,307.47	124.80
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,307.47	124.80
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,816.47	156.00
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,894.62	156.00
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,046.13	187.20
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,247.10	187.20
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,752.31	187.20

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	877.63	124.80
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	975.32	124.80
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	975.32	124.80
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,156.75	124.80
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,156.75	124.80
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,307.47	124.80
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,307.47	124.80
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,816.47	156.00
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,894.62	156.00
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,046.13	187.20
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,247.10	187.20
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,752.31	187.20

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	676.66	124.80
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	665.49	124.80
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	581.87	124.80

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	364.04	124.80
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	951.98	124.80
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	877.63	124.80
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	425.45	124.80
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,114.77	124.80
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,156.75	124.80
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	520.91	124.80
26 43 23 00-0040	EA	15 KV Open Fused Cutout	515.76	156.00
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	393.14	124.80
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,201.78	124.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 50 Lighting (26)

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Incandescent Interior Lighting (26 51)

26 51 13 00-0001 Recessed Fixtures (26 51 13)

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings (26 51 13 00-0001)

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.25	12.63
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	53.25	12.63
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	57.09	13.25
		For ICAT Housing, Add	*4.80*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	61.12	13.83
		For ICAT Housing, Add	*5.21*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	65.17	14.40
		For ICAT Housing, Add	*5.62*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	64.66	15.28
		For ICAT Housing, Add	*5.38*	

26 51 13 00-0009 Recessed Fixture Trim (26 51 13 00-0001)

26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	51.67	6.19
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	59.43	6.19
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	72.90	6.19
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	80.02	6.19
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	59.55	6.19
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	55.38	6.19
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	60.16	6.19

26 51 13 00-0017 Track Lighting (26 51 13)

26 51 13 00-0018 Incandescent Track Lighting Fixtures (26 51 13 00-0017)

See CSI section 26 51 19 00-0544 for track lighting tracks.

26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	68.67	7.38
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	45.51	7.38
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	72.12	7.38
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	74.76	7.38
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	57.55	7.38
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	45.51	7.38
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	56.29	7.38
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	77.40	7.38

26 51 13 00-0027 Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)

26 51 13 00-0028 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0027)

26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	86.65	17.66
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	105.64	17.66
		For Wall Mounted, Add	*5.10*	

26 51 16 Fluorescent Interior Lighting (26 51)

26 51 16 00-0001 Fluorescent Fixtures (26 51 16)

26 51 16 00-0002 Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)

26 51 16 00-0003 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)

26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	162.17	12.62
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	187.07	12.62

26 51 16 00-0006 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)

26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	186.58	13.15
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	213.90	13.15

26 51 16 00-0009 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)

26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	225.69	14.75
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	276.36	14.75
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	332.11	14.75

26 51 16 00-0013 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	171.32	16.13
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	205.93	16.13
26 51 16 00-0016		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	289.04	18.79
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	315.67	18.79
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	366.27	18.79
26 51 16 00-0020		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0021		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	224.20	14.63
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	392.91	14.63
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	454.69	14.63
26 51 16 00-0025		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	371.80	16.13
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	410.78	16.13
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	438.92	16.13
26 51 16 00-0029		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	369.71	18.79
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	411.31	18.79
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	434.28	18.79
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	469.31	18.79
26 51 16 00-0034		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	773.89	24.19
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	788.12	24.19
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	745.99	24.19
26 51 16 00-0038		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0039		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0040		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	384.36	12.62
		For Drywall Or Plaster Ceilings, Add	*8.53*	
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	516.26	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,013.19	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	518.26	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	605.93	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	611.98	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	664.59	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	483.05	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	717.03	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	724.15	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	816.91	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	685.30	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	978.59	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	995.40	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0058		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0059		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	465.58	12.62
		For Drywall Or Plaster Ceilings, Add	*8.53*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	471.62	12.62
		For Drywall Or Plaster Ceilings, Add	*8.53*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	564.92	12.62
		For Drywall Or Plaster Ceilings, Add	*8.53*	
26 51 16 00-0063		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	529.08	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	536.20	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	615.00	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0067		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	537.20	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	543.24	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	635.10	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0071		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	483.05	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	582.13	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	676.16	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	777.65	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0076		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0077		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,076.32	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,083.43	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,292.38	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,309.20	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0082		**2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	825.89	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	931.10	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,158.21	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0086		**2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	923.69	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,166.41	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,249.13	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,378.73	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0091		**Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0092		**1' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	821.97	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,118.41	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0095		**2' x 2', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	812.14	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	944.69	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0098		**2' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	898.09	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	900.30	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0101		**Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0102		**1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	754.13	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0104		**2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	712.24	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0106		**2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	867.63	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	595.52	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,008.04	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0110		**Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0111		**1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	713.86	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
26 51 16 00-0113		**2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	711.28	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
26 51 16 00-0115		**2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	890.23	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	905.20	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	928.98	18.79
		For Drywall Or Plaster Ceilings, Add	*12.70*	
26 51 16 00-0119		**Striplight Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0120		**1 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	270.00	12.10
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	346.97	12.10
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	332.69	13.43
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	334.63	14.75
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	411.95	17.48
26 51 16 00-0126		**2 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	337.58	13.43
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	341.89	14.75
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	343.76	16.13
26 51 16 00-0130		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	531.23	13.43
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	501.79	14.75
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	503.57	16.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0134		Display Case Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	161.41	13.25
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	236.36	13.25
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	253.76	15.46
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	264.42	15.46
26 51 16 00-0139		Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	421.14	12.10
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	434.75	14.75
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	849.53	18.79
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	429.20	13.43
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	443.89	16.13
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	863.76	18.79
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	448.33	13.43
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	460.82	16.13
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	729.66	18.79
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	668.19	16.13
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,005.66	18.79
26 51 16 00-0155		Flanged Fluorescent Fixture *(26 51 16 00-0001)* Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	587.09	24.19
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	725.09	24.19
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	732.21	24.19
26 51 16 00-0159		Undercabinet Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	199.63	10.88
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	228.79	13.31
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	223.82	13.31
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	279.50	14.51
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	324.60	16.94
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	231.53	12.10
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	262.61	12.10
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	267.93	12.70
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	297.63	12.70
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	261.99	13.31
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	292.78	13.31
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0175)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	217.22	20.31
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	222.37	20.31
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	305.77	20.31
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	312.96	20.31
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	319.76	20.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	324.91	20.31
26 51 16 00-0186		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0175)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	648.39	20.31
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	653.54	20.31
26 51 16 00-0190		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	493.69	20.31
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	500.88	20.31
26 51 16 00-0193		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0186)*		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	581.36	20.31
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	586.51	20.31
26 51 16 00-0196		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0175)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	204.47	20.31
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	209.63	20.31
26 51 16 00-0200		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	206.52	20.31
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	213.71	20.31
26 51 16 00-0203		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0196)*		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	194.71	20.31
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	199.86	20.31
26 51 16 00-0206		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	287.60	14.75
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	289.62	16.13
26 51 16 00-0209		Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
		Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0210		6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0211	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	222.55	12.62
26 51 16 00-0212	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	272.49	12.62
26 51 16 00-0213		6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0214	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	242.20	13.15
26 51 16 00-0215	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	297.15	13.15
26 51 16 00-0216		1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0217	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	276.05	13.96
26 51 16 00-0218	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	336.06	13.96
26 51 16 00-0219	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	364.56	13.96
26 51 16 00-0220		1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0209)*		
26 51 16 00-0221	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	298.85	14.75
26 51 16 00-0222	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	364.30	14.75
26 51 16 00-0223	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	395.59	14.75
26 51 16 00-0224		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0225		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0224)*		
26 51 16 00-0226		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	189.15	17.66
26 51 16 00-0228	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	244.77	17.66
26 51 16 00-0229		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0224)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0230		**Exposed Lamps, Circline Fluorescent Fixtures** *(26 51 16 00-0229)*		
26 51 16 00-0231	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	139.23	17.66
26 51 16 00-0232	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	159.42	17.66
26 51 16 00-0233		**Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures** *(26 51 16 00-0229)*		
26 51 16 00-0234	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	262.88	17.66
26 51 16 00-0235	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	416.02	17.66
26 51 16 00-0236	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	522.12	17.66
26 51 16 00-0237	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	312.49	17.66
26 51 16 00-0238	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	419.16	17.66
26 51 16 00-0239	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	522.12	17.66
26 51 16 00-0240		**Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0224)*		
26 51 16 00-0241		**Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0240)*		
26 51 16 00-0242	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	267.15	17.66
26 51 16 00-0243	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	379.59	17.66
26 51 16 00-0244	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	474.91	17.66
26 51 16 00-0245	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	196.17	17.66
26 51 16 00-0246	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	254.59	17.66
26 51 16 00-0247	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	365.28	17.66
26 51 16 00-0248		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights** *(26 51 16 00-0224)*		
26 51 16 00-0249		**Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights** *(26 51 16 00-0248)*		
26 51 16 00-0250	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	496.19	14.51
26 51 16 00-0251		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle** *(26 51 16 00-0248)*		
26 51 16 00-0252	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	580.87	14.51
26 51 16 00-0253	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	854.08	14.51
26 51 16 00-0254		**Pendant Mounted, Horizontal Indirect Fluorescent Fixtures** *(26 51 16 00-0224)*		
26 51 16 00-0255	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	279.45	14.51
26 51 16 00-0256	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	300.64	14.51
26 51 16 00-0257	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	369.49	14.51
26 51 16 00-0258	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	385.14	14.51
26 51 16 00-0259	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	470.85	14.51
26 51 16 00-0260	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	571.74	14.51
26 51 16 00-0261		**Finelite Fluorescent Fixtures** *(26 51 16 00-0224)*		
26 51 16 00-0262		**Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10)** *(26 51 16 00-0261)*		
26 51 16 00-0263	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	486.60	20.58
		For Dual Circuit, Add	*136.71*	
26 51 16 00-0264	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	484.33	20.58
		For Dual Circuit, Add	*136.03*	
26 51 16 00-0265	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	529.00	20.58
		For Dual Circuit, Add	*149.43*	
26 51 16 00-0266	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	600.33	20.58
		For Dual Circuit, Add	*170.83*	
26 51 16 00-0267	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	664.85	20.58
		For Dual Circuit, Add	*190.18*	
26 51 16 00-0268	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	832.64	20.58
		For Dual Circuit, Add	*240.52*	
26 51 16 00-0269	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	719.93	21.47
		For Dual Circuit, Add	*154.83*	
26 51 16 00-0270	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	743.55	21.47
		For Dual Circuit, Add	*160.14*	
26 51 16 00-0271	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	832.89	21.47
		For Dual Circuit, Add	*180.25*	
26 51 16 00-0272	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	797.18	21.47
		For Dual Circuit, Add	*172.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0273	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,020.09	21.47
		For Dual Circuit, Add	*222.37*	
26 51 16 00-0274	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,214.85	21.47
		For Dual Circuit, Add	*266.19*	
26 51 16 00-0275	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	972.01	22.34
		For Dual Circuit, Add	*140.90*	
26 51 16 00-0276	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,012.14	22.34
		For Dual Circuit, Add	*146.92*	
26 51 16 00-0277	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,127.37	22.34
		For Dual Circuit, Add	*164.20*	
26 51 16 00-0278	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,134.83	22.34
		For Dual Circuit, Add	*165.32*	
26 51 16 00-0279	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,422.27	22.34
		For Dual Circuit, Add	*208.44*	
26 51 16 00-0280	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,719.09	22.34
		For Dual Circuit, Add	*252.96*	

26 51 16 00-0281 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0261)*

26 51 16 00-0282	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	480.96	20.58
		For Dual Circuit, Add	*135.02*	
26 51 16 00-0283	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	529.53	20.58
		For Dual Circuit, Add	*149.59*	
26 51 16 00-0284	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	529.86	20.58
		For Dual Circuit, Add	*149.69*	
26 51 16 00-0285	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	734.96	21.47
		For Dual Circuit, Add	*158.21*	
26 51 16 00-0286	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	791.10	21.47
		For Dual Circuit, Add	*170.84*	
26 51 16 00-0287	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	791.77	21.47
		For Dual Circuit, Add	*170.99*	
26 51 16 00-0288	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	988.94	22.34
		For Dual Circuit, Add	*143.44*	
26 51 16 00-0289	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,134.66	22.34
		For Dual Circuit, Add	*165.30*	
26 51 16 00-0290	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,135.66	22.34
		For Dual Circuit, Add	*165.45*	

26 51 16 00-0291 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) *(26 51 16 00-0261)*

26 51 16 00-0292	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	352.27	20.58
		For Dual Circuit, Add	*96.41*	
26 51 16 00-0293	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	375.10	20.58
		For Dual Circuit, Add	*103.26*	
26 51 16 00-0294	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	455.56	20.58
		For Dual Circuit, Add	*127.40*	
26 51 16 00-0295	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	478.15	21.47
		For Dual Circuit, Add	*100.43*	
26 51 16 00-0296	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	576.20	21.47
		For Dual Circuit, Add	*122.49*	
26 51 16 00-0297	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	692.59	21.47
		For Dual Circuit, Add	*148.68*	
26 51 16 00-0298	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	682.59	22.34
		For Dual Circuit, Add	*97.49*	
26 51 16 00-0299	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	850.63	22.34
		For Dual Circuit, Add	*122.69*	
26 51 16 00-0300	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,029.14	22.34
		For Dual Circuit, Add	*149.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0301		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0302	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	107.66	12.63
		For ICAT Housing, Add	*11.44*	
26 51 16 00-0303	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	112.49	12.63
		For ICAT Housing, Add	*12.06*	
26 51 16 00-0304	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	117.04	13.20
		For ICAT Housing, Add	*12.53*	
26 51 16 00-0305	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	123.24	13.69
		For ICAT Housing, Add	*13.22*	
26 51 16 00-0306	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	128.44	14.40
		For ICAT Housing, Add	*13.78*	
26 51 16 00-0307	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	131.96	15.28
		For ICAT Housing, Add	*14.06*	
26 51 16 00-0308		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0309	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	128.44	12.63
		For ICAT Housing, Add	*14.12*	
26 51 16 00-0310	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	133.20	12.63
		For ICAT Housing, Add	*14.73*	
26 51 16 00-0311	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	137.90	13.25
		For ICAT Housing, Add	*15.23*	
26 51 16 00-0312	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	141.37	13.83
		For ICAT Housing, Add	*15.56*	
26 51 16 00-0313	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	145.59	14.40
		For ICAT Housing, Add	*15.99*	
26 51 16 00-0314	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	148.75	15.28
		For ICAT Housing, Add	*16.23*	
26 51 16 00-0315		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0316	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	310.72	7.38
26 51 16 00-0317	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	321.28	7.38
26 51 16 00-0318	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	327.87	7.38
26 51 16 00-0319	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	208.96	7.38
26 51 16 00-0320	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	355.19	7.38
26 51 16 00-0321		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0322	EA	Compact Fluorescent Track Lighting Fixture	84.34	7.38
26 51 16 00-0323		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0324	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	96.45	17.66
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0325	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	100.19	17.66
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0326	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	109.42	17.66
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0327		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0328		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0327)*		
26 51 16 00-0329		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0328)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0330	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	275.99	18.79
		For T5 Fixture Instead Of T8, Add	*28.37*	
26 51 16 00-0331	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	292.22	18.79
		For T5 Fixture Instead Of T8, Add	*30.23*	
26 51 16 00-0332	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	489.96	18.79
		For T5 Fixture Instead Of T8, Add	*52.87*	
26 51 16 00-0333	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	414.73	18.79
26 51 16 00-0334	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	702.45	18.79
26 51 16 00-0335		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 16 00-0328)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0336	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	332.96	18.79
26 51 16 00-0337	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	337.96	18.79
26 51 16 00-0338	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	519.11	18.79
26 51 16 00-0339	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	418.88	18.79
26 51 16 00-0340	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	440.51	18.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0341		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0327)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0342		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0341)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0343	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	550.90	25.53
		For T5 Fixture Instead Of T8, Add	*58.69*	
26 51 16 00-0344	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	576.53	25.53
		For T5 Fixture Instead Of T8, Add	*61.63*	
26 51 16 00-0345		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0346		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0345)*		
26 51 16 00-0347		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0346)* Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0348	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	418.73	41.13
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0349	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	432.09	45.57
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0350	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	488.68	52.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0351	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	609.97	54.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0352	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	670.36	57.34
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0353	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	344.58	52.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0354	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	362.86	54.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0355	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	433.18	57.34
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0356		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0345)*		
26 51 16 00-0357		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0356)* Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0358	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	426.73	41.13
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0359	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	441.16	45.57
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0360	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	502.80	52.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0361	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	636.54	54.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0362	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	377.63	52.01
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0363	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	426.92	54.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0364	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	521.80	57.34
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	109.53	10.88
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.95*	
		For >500, Deduct	*-15.98*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	135.89	13.31
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.35*	
		For >250 To 500, Deduct	*-13.59*	
		For >500, Deduct	*-19.83*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	136.33	13.31
		For >50 To 100, Deduct	*-3.96*	
		For >100 To 250, Deduct	*-7.37*	
		For >250 To 500, Deduct	*-13.63*	
		For >500, Deduct	*-19.90*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	137.76	10.88
		For >50 To 100, Deduct	*-3.90*	
		For >100 To 250, Deduct	*-7.34*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-20.21*	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	188.48	12.10
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	194.42	12.10
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	222.24	14.75
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	228.20	14.75
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	234.15	14.75
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	240.09	14.75
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	246.04	14.75
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	318.45	17.46
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	330.35	17.46
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	343.73	17.46
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	355.63	17.46
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	369.01	17.46
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	380.90	17.46

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	195.03	12.10
		For >50 To 100, Deduct	*-5.33*	
		For >100 To 250, Deduct	*-10.21*	
		For >250 To 500, Deduct	*-19.50*	
		For >500, Deduct	*-28.80*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	199.07	14.75
		For >50 To 100, Deduct	*-5.53*	
		For >100 To 250, Deduct	*-10.51*	
		For >250 To 500, Deduct	*-19.91*	
		For >500, Deduct	*-29.31*	
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	237.79	12.10
		For >50 To 100, Deduct	*-6.40*	
		For >100 To 250, Deduct	*-12.34*	
		For >250 To 500, Deduct	*-23.78*	
		For >500, Deduct	*-35.22*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	241.83	14.75
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 250, Deduct	*-12.65*	
		For >250 To 500, Deduct	*-24.18*	
		For >500, Deduct	*-35.72*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	314.08	14.75
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 250, Deduct	*-16.26*	
		For >250 To 500, Deduct	*-31.41*	
		For >500, Deduct	*-46.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0028		**Striplight LED Fixtures (Mobern)** *(26 51 19 00-0007)*		
26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	198.17	12.10
		For >50 To 100, Deduct	*-5.41*	
		For >100 To 250, Deduct	*-10.36*	
		For >250 To 500, Deduct	*-19.82*	
		For >500, Deduct	*-29.27*	
26 51 19 00-0030		**Striplight LED Fixtures (Eaton)** *(26 51 19 00-0007)*		
26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	253.78	14.75
		For >50 To 100, Deduct	*-6.90*	
		For >100 To 250, Deduct	*-13.24*	
		For >250 To 500, Deduct	*-25.38*	
		For >500, Deduct	*-37.51*	
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	236.88	14.75
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-12.40*	
		For >250 To 500, Deduct	*-23.69*	
		For >500, Deduct	*-34.98*	
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	253.78	14.75
		For >50 To 100, Deduct	*-6.90*	
		For >100 To 250, Deduct	*-13.24*	
		For >250 To 500, Deduct	*-25.38*	
		For >500, Deduct	*-37.51*	
26 51 19 00-0034		**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0035		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0036		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0035)*		
26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	585.07	14.63
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*34.80*	
		For >50 To 100, Deduct	*-15.18*	
		For >100 To 250, Deduct	*-29.81*	
		For >250 To 500, Deduct	*-58.51*	
		For >500, Deduct	*-87.21*	
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	329.88	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
		For >50 To 100, Deduct	*-8.85*	
		For >100 To 250, Deduct	*-17.10*	
		For >250 To 500, Deduct	*-32.99*	
		For >500, Deduct	*-48.88*	
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	579.02	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*36.01*	
		For >50 To 100, Deduct	*-15.18*	
		For >100 To 250, Deduct	*-29.66*	
		For >250 To 500, Deduct	*-57.90*	
		For >500, Deduct	*-86.15*	
26 51 19 00-0040		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0035)*		
26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	862.81	14.63
		For >50 To 100, Deduct	*-22.12*	
		For >100 To 250, Deduct	*-43.69*	
		For >250 To 500, Deduct	*-86.28*	
		For >500, Deduct	*-128.87*	
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	589.60	16.13
		For >50 To 100, Deduct	*-15.34*	
		For >100 To 250, Deduct	*-30.08*	
		For >250 To 500, Deduct	*-58.96*	
		For >500, Deduct	*-87.84*	
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	774.72	18.79
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-39.44*	
		For >250 To 500, Deduct	*-77.47*	
		For >500, Deduct	*-115.50*	
26 51 19 00-0044		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 19 00-0035)*		
26 51 19 00-0045	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	371.81	16.13
		For >50 To 100, Deduct	*-9.90*	
		For >100 To 250, Deduct	*-19.20*	
		For >250 To 500, Deduct	*-37.18*	
		For >500, Deduct	*-55.17*	
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	416.66	16.13
		For >50 To 100, Deduct	*-11.02*	
		For >100 To 250, Deduct	*-21.44*	
		For >250 To 500, Deduct	*-41.67*	
		For >500, Deduct	*-61.89*	
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	347.14	16.13
		For >50 To 100, Deduct	*-9.28*	
		For >100 To 250, Deduct	*-17.96*	
		For >250 To 500, Deduct	*-34.71*	
		For >500, Deduct	*-51.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	347.14	16.13
		For >50 To 100, Deduct	*-9.28*	
		For >100 To 250, Deduct	*-17.96*	
		For >250 To 500, Deduct	*-34.71*	
		For >500, Deduct	*-51.47*	
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	376.29	16.13
		For >50 To 100, Deduct	*-10.01*	
		For >100 To 250, Deduct	*-19.42*	
		For >250 To 500, Deduct	*-37.63*	
		For >500, Deduct	*-55.84*	
26 51 19 00-0050		Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0051		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0050)*		
26 51 19 00-0052	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	472.89	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
		For >50 To 100, Deduct	*-12.38*	
		For >100 To 250, Deduct	*-24.20*	
		For >250 To 500, Deduct	*-47.29*	
		For >500, Deduct	*-70.38*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	591.09	14.63
		For Drywall Or Plaster Ceilings, Add	*9.98*	
		For >50 To 100, Deduct	*-15.33*	
		For >100 To 250, Deduct	*-30.11*	
		For >250 To 500, Deduct	*-59.11*	
		For >500, Deduct	*-88.11*	
26 51 19 00-0054	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	449.49	16.13
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*28.52*	
		For >50 To 100, Deduct	*-11.84*	
		For >100 To 250, Deduct	*-23.08*	
		For >250 To 500, Deduct	*-44.95*	
		For >500, Deduct	*-66.82*	
26 51 19 00-0055	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	521.29	16.13
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*32.11*	
		For >50 To 100, Deduct	*-13.64*	
		For >100 To 250, Deduct	*-26.67*	
		For >250 To 500, Deduct	*-52.13*	
		For >500, Deduct	*-77.59*	
26 51 19 00-0056	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	578.73	16.13
		For >50 To 100, Deduct	*-15.07*	
		For >100 To 250, Deduct	*-29.54*	
		For >250 To 500, Deduct	*-57.87*	
		For >500, Deduct	*-86.20*	
26 51 19 00-0057	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	582.77	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*36.20*	
		For >50 To 100, Deduct	*-15.28*	
		For >100 To 250, Deduct	*-29.84*	
		For >250 To 500, Deduct	*-58.28*	
		For >500, Deduct	*-86.71*	
26 51 19 00-0058	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	640.21	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*39.07*	
		For >50 To 100, Deduct	*-16.71*	
		For >100 To 250, Deduct	*-32.72*	
		For >250 To 500, Deduct	*-64.02*	
		For >500, Deduct	*-95.33*	
26 51 19 00-0059	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	697.65	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*41.94*	
		For >50 To 100, Deduct	*-18.15*	
		For >100 To 250, Deduct	*-35.59*	
		For >250 To 500, Deduct	*-69.77*	
		For >500, Deduct	*-103.94*	
26 51 19 00-0060	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	392.06	16.13
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*25.65*	
		For >50 To 100, Deduct	*-10.41*	
		For >100 To 250, Deduct	*-20.21*	
		For >250 To 500, Deduct	*-39.21*	
		For >500, Deduct	*-58.20*	
26 51 19 00-0061	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	463.85	16.13
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*29.24*	
		For >50 To 100, Deduct	*-12.20*	
		For >100 To 250, Deduct	*-23.80*	
		For >250 To 500, Deduct	*-46.39*	
		For >500, Deduct	*-68.97*	
26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	506.92	16.13
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*31.39*	
		For >50 To 100, Deduct	*-13.28*	
		For >100 To 250, Deduct	*-25.95*	
		For >250 To 500, Deduct	*-50.69*	
		For >500, Deduct	*-75.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	496.62	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*31.89*	
		For >50 To 100, Deduct	*-13.12*	
		For >100 To 250, Deduct	*-25.54*	
		For >250 To 500, Deduct	*-49.66*	
		For >500, Deduct	*-73.79*	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	525.33	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*33.32*	
		For >50 To 100, Deduct	*-13.84*	
		For >100 To 250, Deduct	*-26.97*	
		For >250 To 500, Deduct	*-52.53*	
		For >500, Deduct	*-78.09*	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	582.77	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*36.20*	
		For >50 To 100, Deduct	*-15.28*	
		For >100 To 250, Deduct	*-29.84*	
		For >250 To 500, Deduct	*-58.28*	
		For >500, Deduct	*-86.71*	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0066)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	371.38	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*25.63*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 250, Deduct	*-19.27*	
		For >250 To 500, Deduct	*-37.14*	
		For >500, Deduct	*-55.00*	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	445.11	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*29.31*	
		For >50 To 100, Deduct	*-11.83*	
		For >100 To 250, Deduct	*-22.96*	
		For >250 To 500, Deduct	*-44.51*	
		For >500, Deduct	*-66.06*	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	511.47	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*32.63*	
		For >50 To 100, Deduct	*-13.49*	
		For >100 To 250, Deduct	*-26.28*	
		For >250 To 500, Deduct	*-51.15*	
		For >500, Deduct	*-76.01*	

26 51 19 00-0071 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0066)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	377.88	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*87.91*	
		For Surface Mount, Add	*216.11*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 250, Deduct	*-19.60*	
		For >250 To 500, Deduct	*-37.79*	
		For >500, Deduct	*-55.98*	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	410.87	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*87.91*	
		For Surface Mount, Add	*216.11*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-21.25*	
		For >250 To 500, Deduct	*-41.09*	
		For >500, Deduct	*-60.92*	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	410.87	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*87.91*	
		For Surface Mount, Add	*216.11*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-21.25*	
		For >250 To 500, Deduct	*-41.09*	
		For >500, Deduct	*-60.92*	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	459.55	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*87.91*	
		For Surface Mount, Add	*216.11*	
		For >50 To 100, Deduct	*-12.19*	
		For >100 To 250, Deduct	*-23.68*	
		For >250 To 500, Deduct	*-45.96*	
		For >500, Deduct	*-68.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	355.18	16.13
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*77.59*	
		For Surface Mount, Add	*204.30*	
		For >50 To 100, Deduct	*-9.48*	
		For >100 To 250, Deduct	*-18.36*	
		For >250 To 500, Deduct	*-35.52*	
		For >500, Deduct	*-52.67*	
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	333.01	16.13
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*77.59*	
		For Surface Mount, Add	*204.30*	
		For >50 To 100, Deduct	*-8.93*	
		For >100 To 250, Deduct	*-17.26*	
		For >250 To 500, Deduct	*-33.30*	
		For >500, Deduct	*-49.35*	
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	396.18	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*91.05*	
		For Surface Mount, Add	*236.53*	
		For >50 To 100, Deduct	*-10.61*	
		For >100 To 250, Deduct	*-20.51*	
		For >250 To 500, Deduct	*-39.62*	
		For >500, Deduct	*-58.72*	
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	410.87	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*91.05*	
		For Surface Mount, Add	*236.53*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-21.25*	
		For >250 To 500, Deduct	*-41.09*	
		For >500, Deduct	*-60.92*	
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	410.87	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*91.05*	
		For Surface Mount, Add	*236.53*	
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-21.25*	
		For >250 To 500, Deduct	*-41.09*	
		For >500, Deduct	*-60.92*	
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	534.94	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*91.05*	
		For Surface Mount, Add	*236.53*	
		For >50 To 100, Deduct	*-14.08*	
		For >100 To 250, Deduct	*-27.45*	
		For >250 To 500, Deduct	*-53.49*	
		For >500, Deduct	*-79.54*	
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	459.55	18.79
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*91.05*	
		For Surface Mount, Add	*236.53*	
		For >50 To 100, Deduct	*-12.19*	
		For >100 To 250, Deduct	*-23.68*	
		For >250 To 500, Deduct	*-45.96*	
		For >500, Deduct	*-68.23*	

26 51 19 00-0083 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0066)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	260.41	16.13
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-13.63*	
		For >250 To 500, Deduct	*-26.04*	
		For >500, Deduct	*-38.46*	
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	353.58	18.79
		For >50 To 100, Deduct	*-9.55*	
		For >100 To 250, Deduct	*-18.38*	
		For >250 To 500, Deduct	*-35.36*	
		For >500, Deduct	*-52.33*	

26 51 19 00-0086 Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0066)*

Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	372.42	16.13
		For >50 To 100, Deduct	*-9.92*	
		For >100 To 250, Deduct	*-19.23*	
		For >250 To 500, Deduct	*-37.24*	
		For >500, Deduct	*-55.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	514.08	18.95
		For >50 To 100, Deduct	*-13.56*	
		For >100 To 250, Deduct	*-26.41*	
		For >250 To 500, Deduct	*-51.41*	
		For >500, Deduct	*-76.41*	
26 51 19 00-0089		Shadow Box Style, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0090		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) *(26 51 19 00-0089)*		
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	620.18	16.13
		For Drywall Or Plaster Ceilings, Add	*10.89*	
		For >50 To 100, Deduct	*-16.11*	
		For >100 To 250, Deduct	*-31.61*	
		For >250 To 500, Deduct	*-62.02*	
		For >500, Deduct	*-92.42*	
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	855.74	18.79
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.84*	
		For >50 To 100, Deduct	*-22.10*	
		For >100 To 250, Deduct	*-43.49*	
		For >250 To 500, Deduct	*-85.57*	
		For >500, Deduct	*-127.66*	
26 51 19 00-0093		Panel Type, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0094		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0093)*		
26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	399.99	18.79
		For >50 To 100, Deduct	*-10.71*	
		For >100 To 250, Deduct	*-20.71*	
		For >250 To 500, Deduct	*-40.00*	
		For >500, Deduct	*-59.29*	
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	417.80	18.79
		For >50 To 100, Deduct	*-11.15*	
		For >100 To 250, Deduct	*-21.60*	
		For >250 To 500, Deduct	*-41.78*	
		For >500, Deduct	*-61.96*	
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	535.78	18.79
		For >50 To 100, Deduct	*-14.10*	
		For >100 To 250, Deduct	*-27.49*	
		For >250 To 500, Deduct	*-53.58*	
		For >500, Deduct	*-79.66*	
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	535.78	18.79
		For >50 To 100, Deduct	*-14.10*	
		For >100 To 250, Deduct	*-27.49*	
		For >250 To 500, Deduct	*-53.58*	
		For >500, Deduct	*-79.66*	
26 51 19 00-0099		Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0093)*		
26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	184.70	18.79
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*58.45*	
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 250, Deduct	*-9.94*	
		For >250 To 500, Deduct	*-18.47*	
		For >500, Deduct	*-27.00*	
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	192.32	18.79
		For >50 To 100, Deduct	*-5.51*	
		For >100 To 250, Deduct	*-10.32*	
		For >250 To 500, Deduct	*-19.23*	
		For >500, Deduct	*-28.14*	
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	195.81	18.79
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*73.06*	
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-19.58*	
		For >500, Deduct	*-28.67*	
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	525.09	18.79
		For >50 To 100, Deduct	*-13.83*	
		For >100 To 250, Deduct	*-26.96*	
		For >250 To 500, Deduct	*-52.51*	
		For >500, Deduct	*-78.06*	
26 51 19 00-0104		Surface Mount LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0105		Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0104)*		
26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	339.17	12.10
		For >50 To 100, Deduct	*-8.93*	
		For >100 To 250, Deduct	*-17.41*	
		For >250 To 500, Deduct	*-33.92*	
		For >500, Deduct	*-50.42*	
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	271.85	14.75
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 250, Deduct	*-14.15*	
		For >250 To 500, Deduct	*-27.19*	
		For >500, Deduct	*-40.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0108	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	335.46	14.75
		For >50 To 100, Deduct	*-8.94*	
		For >100 To 250, Deduct	*-17.33*	
		For >250 To 500, Deduct	*-33.55*	
		For >500, Deduct	*-49.76*	

26 51 19 00-0109 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0104)*

26 51 19 00-0110	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	253.39	12.10
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-13.12*	
		For >250 To 500, Deduct	*-25.34*	
		For >500, Deduct	*-37.56*	
26 51 19 00-0111	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	336.27	14.75
		For >50 To 100, Deduct	*-8.96*	
		For >100 To 250, Deduct	*-17.37*	
		For >250 To 500, Deduct	*-33.63*	
		For >500, Deduct	*-49.89*	

26 51 19 00-0112 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0104)*

26 51 19 00-0113 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0112)*

26 51 19 00-0114	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	809.40	16.13
		For >50 To 100, Deduct	*-20.84*	
		For >100 To 250, Deduct	*-41.07*	
		For >250 To 500, Deduct	*-80.94*	
		For >500, Deduct	*-120.81*	
26 51 19 00-0115	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,044.96	18.79
		For >50 To 100, Deduct	*-26.83*	
		For >100 To 250, Deduct	*-52.95*	
		For >250 To 500, Deduct	*-104.50*	
		For >500, Deduct	*-156.04*	

26 51 19 00-0116 Surface Mount, Low Profile Fixtures *(26 51 19 00-0104)*

26 51 19 00-0117	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	70.49	11.11
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.05*	
		For >500, Deduct	*-10.02*	
26 51 19 00-0118	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	49.54	11.11
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 500, Deduct	*-4.95*	
		For >500, Deduct	*-6.88*	
26 51 19 00-0119	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	114.48	11.11
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 500, Deduct	*-11.45*	
		For >500, Deduct	*-16.62*	
26 51 19 00-0120	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	148.00	11.11
		For >50 To 100, Deduct	*-4.26*	
		For >100 To 250, Deduct	*-7.96*	
		For >250 To 500, Deduct	*-14.80*	
		For >500, Deduct	*-21.64*	

26 51 19 00-0121 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0122 Recessed LED Downlights *(26 51 19 00-0121)*

26 51 19 00-0123 Recessed LED Downlights (Lithonia) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0124	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	369.35	19.43
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*83.99*	
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-19.20*	
		For >250 To 500, Deduct	*-36.94*	
		For >500, Deduct	*-54.67*	
26 51 19 00-0125	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	406.22	19.43
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*83.99*	
		For >50 To 100, Deduct	*-10.88*	
		For >100 To 250, Deduct	*-21.04*	
		For >250 To 500, Deduct	*-40.62*	
		For >500, Deduct	*-60.20*	

26 51 19 00-0126 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0127	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	212.56	19.43
		For >50 To 100, Deduct	*-6.04*	
		For >100 To 250, Deduct	*-11.36*	
		For >250 To 500, Deduct	*-21.26*	
		For >500, Deduct	*-31.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0128		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0122)* Note: Includes housing and trim.		
26 51 19 00-0129	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	261.13	19.43
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 250, Deduct	*-13.79*	
		For >250 To 500, Deduct	*-26.11*	
		For >500, Deduct	*-38.44*	
26 51 19 00-0130	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	271.02	19.43
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 250, Deduct	*-14.28*	
		For >250 To 500, Deduct	*-27.10*	
		For >500, Deduct	*-39.92*	
26 51 19 00-0131	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	311.60	19.43
		For >50 To 100, Deduct	*-8.52*	
		For >100 To 250, Deduct	*-16.31*	
		For >250 To 500, Deduct	*-31.16*	
		For >500, Deduct	*-46.01*	
26 51 19 00-0132	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	315.57	19.43
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 250, Deduct	*-16.51*	
		For >250 To 500, Deduct	*-31.56*	
		For >500, Deduct	*-46.61*	
26 51 19 00-0133	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	350.20	19.43
		For >50 To 100, Deduct	*-9.48*	
		For >100 To 250, Deduct	*-18.24*	
		For >250 To 500, Deduct	*-35.02*	
		For >500, Deduct	*-51.80*	
26 51 19 00-0134		**Recessed LED Downlights (Lightolier)** *(26 51 19 00-0122)* Note: Includes housing and trim.		
26 51 19 00-0135	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	583.50	19.43
		For >50 To 100, Deduct	*-15.32*	
		For >100 To 250, Deduct	*-29.90*	
		For >250 To 500, Deduct	*-58.35*	
		For >500, Deduct	*-86.80*	
26 51 19 00-0136	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	694.66	19.43
		For >50 To 100, Deduct	*-18.10*	
		For >100 To 250, Deduct	*-35.46*	
		For >250 To 500, Deduct	*-69.47*	
		For >500, Deduct	*-103.47*	
26 51 19 00-0137	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	750.11	19.43
		For >50 To 100, Deduct	*-19.48*	
		For >100 To 250, Deduct	*-38.23*	
		For >250 To 500, Deduct	*-75.01*	
		For >500, Deduct	*-111.79*	
26 51 19 00-0138	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	750.11	19.43
		For >50 To 100, Deduct	*-19.48*	
		For >100 To 250, Deduct	*-38.23*	
		For >250 To 500, Deduct	*-75.01*	
		For >500, Deduct	*-111.79*	
26 51 19 00-0139	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	777.96	19.43
		For >50 To 100, Deduct	*-20.18*	
		For >100 To 250, Deduct	*-39.63*	
		For >250 To 500, Deduct	*-77.80*	
		For >500, Deduct	*-115.97*	
26 51 19 00-0140	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	805.83	19.43
		For >50 To 100, Deduct	*-20.87*	
		For >100 To 250, Deduct	*-41.02*	
		For >250 To 500, Deduct	*-80.58*	
		For >500, Deduct	*-120.15*	
26 51 19 00-0141		**Recessed LED Downlights (Cooper)** *(26 51 19 00-0122)*		
26 51 19 00-0142	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	112.18	19.43
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-16.10*	
26 51 19 00-0143	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	112.18	19.43
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-16.10*	
26 51 19 00-0144	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	112.18	19.43
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-16.10*	
26 51 19 00-0145	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	112.18	19.43
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-16.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0146	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	115.27	19.43
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-16.56*	
26 51 19 00-0147	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	115.27	19.43
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-16.56*	
26 51 19 00-0148	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	115.27	19.43
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-16.56*	
26 51 19 00-0149	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	115.27	19.43
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-16.56*	
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	157.19	19.43
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-15.72*	
		For >500, Deduct	*-22.85*	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	155.06	19.43
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-8.48*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-22.53*	
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	155.06	19.43
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-8.48*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-22.53*	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	155.06	19.43
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-8.48*	
		For >250 To 500, Deduct	*-15.51*	
		For >500, Deduct	*-22.53*	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	83.87	6.19
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-8.39*	
		For >500, Deduct	*-12.35*	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	45.50	6.19
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 500, Deduct	*-4.55*	
		For >500, Deduct	*-6.59*	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	62.01	6.19
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.33*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-9.07*	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	48.82	6.19
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-7.09*	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	35.33	6.19
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.07*	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	48.23	6.19
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.82*	
		For >500, Deduct	*-7.00*	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	56.08	6.19
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-5.61*	
		For >500, Deduct	*-8.18*	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	63.08	6.19
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.39*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	76.76	6.19
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.68*	
		For >500, Deduct	*-11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	77.20	6.19
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-11.35*	
26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	75.23	6.19
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-11.05*	
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	97.66	6.19
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-5.11*	
		For >250 To 500, Deduct	*-9.77*	
		For >500, Deduct	*-14.42*	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	35.81	6.19
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.58*	
		For >500, Deduct	*-5.14*	
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	80.59	6.19
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-8.06*	
		For >500, Deduct	*-11.86*	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	65.49	6.19
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.51*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.59*	
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	60.19	6.19
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-6.02*	
		For >500, Deduct	*-8.80*	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	51.46	6.19
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-5.15*	
		For >500, Deduct	*-7.49*	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	52.09	6.19
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-5.21*	
		For >500, Deduct	*-7.58*	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	57.69	6.19
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.77*	
		For >500, Deduct	*-8.42*	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	51.11	6.19
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-5.11*	
		For >500, Deduct	*-7.43*	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	68.99	6.19
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-10.12*	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	76.52	6.19
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	101.59	6.19
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 500, Deduct	*-10.16*	
		For >500, Deduct	*-15.01*	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	98.45	6.19
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-9.85*	
		For >500, Deduct	*-14.54*	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	99.83	6.19
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-14.74*	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	52.84	6.19
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-5.28*	
		For >500, Deduct	*-7.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	26.61	13.25
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.66*	
		For >500, Deduct	*-3.49*	
26 51 19 00-0181	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	32.75	13.25
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.42*	
26 51 19 00-0182	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	30.29	13.25
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-4.05*	
26 51 19 00-0183	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	54.48	13.25
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.22*	
		For >250 To 500, Deduct	*-5.45*	
		For >500, Deduct	*-7.68*	
26 51 19 00-0184	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	51.64	13.25
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-5.16*	
		For >500, Deduct	*-7.25*	
26 51 19 00-0185	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	33.58	13.25
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.36*	
		For >500, Deduct	*-4.54*	
26 51 19 00-0186	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	37.72	13.25
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 250, Deduct	*-2.38*	
		For >250 To 500, Deduct	*-3.77*	
		For >500, Deduct	*-5.16*	
26 51 19 00-0187	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	32.72	13.25
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.27*	
		For >500, Deduct	*-4.41*	
26 51 19 00-0188	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	37.25	13.25
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-3.73*	
		For >500, Deduct	*-5.09*	
26 51 19 00-0189	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	33.47	13.25
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.52*	
26 51 19 00-0190	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	33.05	13.25
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.46*	
26 51 19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	36.32	13.25
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-3.63*	
		For >500, Deduct	*-4.95*	
26 51 19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	38.09	13.25
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.22*	
26 51 19 00-0193	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	38.65	13.25
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-3.87*	
		For >500, Deduct	*-5.30*	
26 51 19 00-0194	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	66.05	13.25
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.61*	
		For >500, Deduct	*-9.41*	
26 51 19 00-0195	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	59.17	13.25
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.92*	
		For >500, Deduct	*-8.38*	
26 51 19 00-0196	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	59.97	13.25
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.00*	
		For >500, Deduct	*-8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0197	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	64.57	13.25
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0198	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	64.57	13.25
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	64.57	13.25
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	64.57	13.25
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	64.57	13.25
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.46*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	52.54	13.25
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.38*	
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	52.54	13.25
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.38*	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	52.54	13.25
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.38*	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	52.54	13.25
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.38*	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	52.54	13.25
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 500, Deduct	*-5.25*	
		For >500, Deduct	*-7.38*	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	53.42	13.25
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-5.34*	
		For >500, Deduct	*-7.52*	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	66.93	13.25
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.69*	
		For >500, Deduct	*-9.54*	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	53.42	13.25
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-5.34*	
		For >500, Deduct	*-7.52*	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	63.11	13.25
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	47.94	13.25
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 500, Deduct	*-4.79*	
		For >500, Deduct	*-6.69*	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	49.28	13.25
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-6.90*	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	58.72	13.25
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	58.72	13.25
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.31*	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	58.72	13.25
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.31*	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	58.72	13.25
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.31*	
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	58.72	13.25
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.31*	
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	62.81	6.19
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-9.19*	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	65.55	6.19
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.51*	
		For >250 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.60*	
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	41.97	13.25
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.20*	
		For >500, Deduct	*-5.80*	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	42.30	13.25
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.23*	
		For >500, Deduct	*-5.85*	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	36.60	13.25
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.66*	
		For >500, Deduct	*-4.99*	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	39.40	13.25
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.94*	
		For >500, Deduct	*-5.41*	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	38.49	13.25
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.85*	
		For >500, Deduct	*-5.28*	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	39.34	13.25
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-3.93*	
		For >500, Deduct	*-5.40*	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	51.35	13.25
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 500, Deduct	*-5.14*	
		For >500, Deduct	*-7.21*	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	51.99	13.25
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.10*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.30*	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	55.22	13.25
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.26*	
		For >250 To 500, Deduct	*-5.52*	
		For >500, Deduct	*-7.79*	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	57.48	13.25
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.75*	
		For >500, Deduct	*-8.13*	
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	67.42	13.25
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.62*	

26 51 19 00-0231 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0122)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	130.16	19.43
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 250, Deduct	*-7.24*	
		For >250 To 500, Deduct	*-13.02*	
		For >500, Deduct	*-18.80*	
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	132.74	19.43
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-7.37*	
		For >250 To 500, Deduct	*-13.27*	
		For >500, Deduct	*-19.18*	
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	140.52	19.43
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-7.75*	
		For >250 To 500, Deduct	*-14.05*	
		For >500, Deduct	*-20.35*	
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	124.96	19.43
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-6.98*	
		For >250 To 500, Deduct	*-12.50*	
		For >500, Deduct	*-18.02*	
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	124.96	19.43
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-6.98*	
		For >250 To 500, Deduct	*-12.50*	
		For >500, Deduct	*-18.02*	
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	124.96	19.43
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-6.98*	
		For >250 To 500, Deduct	*-12.50*	
		For >500, Deduct	*-18.02*	
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	140.52	19.43
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-7.75*	
		For >250 To 500, Deduct	*-14.05*	
		For >500, Deduct	*-20.35*	
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	143.11	19.43
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.88*	
		For >250 To 500, Deduct	*-14.31*	
		For >500, Deduct	*-20.74*	
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	148.28	19.43
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-8.14*	
		For >250 To 500, Deduct	*-14.83*	
		For >500, Deduct	*-21.51*	
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	163.81	19.43
		For >50 To 100, Deduct	*-4.82*	
		For >100 To 250, Deduct	*-8.92*	
		For >250 To 500, Deduct	*-16.38*	
		For >500, Deduct	*-23.84*	
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	184.54	19.43
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-18.45*	
		For >500, Deduct	*-26.95*	

26 51 19 00-0243 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0121)*

26 51 19 00-0244 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0243)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	79.41	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.94*	
		For >500, Deduct	*-11.64*	
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	68.32	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.83*	
		For >500, Deduct	*-9.97*	
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	90.50	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 500, Deduct	*-9.05*	
		For >500, Deduct	*-13.30*	
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	103.42	
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 250, Deduct	*-5.45*	
		For >250 To 500, Deduct	*-10.34*	
		For >500, Deduct	*-15.24*	
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	114.51	
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-6.00*	
		For >250 To 500, Deduct	*-11.45*	
		For >500, Deduct	*-16.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0250		**Recessed LED Downlight Retrofits Trim (CREE®)** *(26 51 19 00-0243)*		
		Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	25.09	3.09
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.60*	
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	32.49	3.09
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-3.25*	
		For >500, Deduct	*-4.71*	
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	26.94	3.09
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.88*	
26 51 19 00-0254		**Recessed LED Downlight Fixture Housings (CREE®)** *(26 51 19 00-0243)*		
		Note: Excludes lamp and trim.		
26 51 19 00-0255	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	64.22	13.25
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 500, Deduct	*-6.42*	
		For >500, Deduct	*-9.14*	
26 51 19 00-0256	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	38.34	13.25
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.83*	
		For >500, Deduct	*-5.25*	
26 51 19 00-0257		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0121)*		
26 51 19 00-0258	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	73.57	12.10
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.58*	
26 51 19 00-0259	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	52.03	12.10
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.35*	
26 51 19 00-0260	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	52.03	12.10
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 500, Deduct	*-5.20*	
		For >500, Deduct	*-7.35*	
26 51 19 00-0261	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	110.60	12.10
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*35.48*	
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.98*	
		For >250 To 500, Deduct	*-11.06*	
		For >500, Deduct	*-16.14*	
26 51 19 00-0262	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	37.60	12.10
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.19*	
26 51 19 00-0263	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	45.41	12.10
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.54*	
		For >500, Deduct	*-6.36*	
26 51 19 00-0264	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	934.74	12.10
		For >50 To 100, Deduct	*-23.82*	
		For >100 To 250, Deduct	*-47.19*	
		For >250 To 500, Deduct	*-93.47*	
		For >500, Deduct	*-139.76*	
26 51 19 00-0265		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0266	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	361.16	18.79
		For >50 To 100, Deduct	*-9.73*	
		For >100 To 250, Deduct	*-18.76*	
		For >250 To 500, Deduct	*-36.12*	
		For >500, Deduct	*-53.47*	
26 51 19 00-0267		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0268		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0267)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0269	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	505.30	17.66
		For >50 To 100, Deduct	*-13.30*	
		For >100 To 250, Deduct	*-25.93*	
		For >250 To 500, Deduct	*-50.53*	
		For >500, Deduct	*-75.13*	
26 51 19 00-0270		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0267)*		
26 51 19 00-0271	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	258.34	17.66
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-13.58*	
		For >250 To 500, Deduct	*-25.83*	
		For >500, Deduct	*-38.09*	
26 51 19 00-0272		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0267)*		
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	100.47	17.66
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-5.69*	
		For >250 To 500, Deduct	*-10.05*	
		For >500, Deduct	*-14.41*	
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	82.26	17.66
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.68*	
26 51 19 00-0275		**Concealed Continuous LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0276		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 19 00-0275)*		
26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	750.69	2.02
		For >50 To 100, Deduct	*-18.87*	
		For >100 To 250, Deduct	*-37.64*	
		For >250 To 500, Deduct	*-75.07*	
		For >500, Deduct	*-112.50*	
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	857.01	2.02
		For >50 To 100, Deduct	*-21.53*	
		For >100 To 250, Deduct	*-42.95*	
		For >250 To 500, Deduct	*-85.70*	
		For >500, Deduct	*-128.45*	
26 51 19 00-0279		**Low Bay LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0280		**LED Linear Low Bay Fixtures (PlanLED)** *(26 51 19 00-0279)*		
26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	309.44	24.19
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 250, Deduct	*-16.48*	
		For >250 To 500, Deduct	*-30.94*	
		For >500, Deduct	*-45.41*	
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	448.49	24.19
		For >50 To 100, Deduct	*-12.22*	
		For >100 To 250, Deduct	*-23.43*	
		For >250 To 500, Deduct	*-44.85*	
		For >500, Deduct	*-66.27*	
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	779.28	30.24
		For >50 To 100, Deduct	*-20.74*	
		For >100 To 250, Deduct	*-40.22*	
		For >250 To 500, Deduct	*-77.93*	
		For >500, Deduct	*-115.63*	
26 51 19 00-0284		**LED Low Bay Fixtures (CREE®)** *(26 51 19 00-0279)*		
26 51 19 00-0285		**LED Low Bay Fixtures (CREE® LS)** *(26 51 19 00-0284)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	224.08	24.19
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-22.41*	
		For >500, Deduct	*-32.60*	
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	242.93	24.19
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-13.15*	
		For >250 To 500, Deduct	*-24.29*	
		For >500, Deduct	*-35.43*	
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	231.93	24.19
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-12.60*	
		For >250 To 500, Deduct	*-23.19*	
		For >500, Deduct	*-33.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	250.78	24.19
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 250, Deduct	*-13.55*	
		For >250 To 500, Deduct	*-25.08*	
		For >500, Deduct	*-36.61*	
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	264.91	24.19
		For >50 To 100, Deduct	*-7.63*	
		For >100 To 250, Deduct	*-14.25*	
		For >250 To 500, Deduct	*-26.49*	
		For >500, Deduct	*-38.73*	
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	283.76	24.19
		For >50 To 100, Deduct	*-8.10*	
		For >100 To 250, Deduct	*-15.20*	
		For >250 To 500, Deduct	*-28.38*	
		For >500, Deduct	*-41.56*	
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	380.22	30.24
		For >50 To 100, Deduct	*-10.77*	
		For >100 To 250, Deduct	*-20.27*	
		For >250 To 500, Deduct	*-38.02*	
		For >500, Deduct	*-55.77*	
26 51 19 00-0293	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	414.78	30.24
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 250, Deduct	*-22.00*	
		For >250 To 500, Deduct	*-41.48*	
		For >500, Deduct	*-60.96*	
26 51 19 00-0294	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	487.02	30.24
		For >50 To 100, Deduct	*-13.44*	
		For >100 To 250, Deduct	*-25.61*	
		For >250 To 500, Deduct	*-48.70*	
		For >500, Deduct	*-71.79*	
26 51 19 00-0295	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	505.87	30.24
		For >50 To 100, Deduct	*-13.91*	
		For >100 To 250, Deduct	*-26.55*	
		For >250 To 500, Deduct	*-50.59*	
		For >500, Deduct	*-74.62*	

26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0297	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	572.75	24.19
		For >50 To 100, Deduct	*-15.33*	
		For >100 To 250, Deduct	*-29.65*	
		For >250 To 500, Deduct	*-57.28*	
		For >500, Deduct	*-84.90*	
26 51 19 00-0298	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	651.28	24.19
		For >50 To 100, Deduct	*-17.29*	
		For >100 To 250, Deduct	*-33.57*	
		For >250 To 500, Deduct	*-65.13*	
		For >500, Deduct	*-96.68*	

26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0284)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0300	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	557.93	24.19
		For >50 To 100, Deduct	*-14.96*	
		For >100 To 250, Deduct	*-28.90*	
		For >250 To 500, Deduct	*-55.79*	
		For >500, Deduct	*-82.68*	
26 51 19 00-0301	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	691.81	30.24
		For >50 To 100, Deduct	*-18.56*	
		For >100 To 250, Deduct	*-35.85*	
		For >250 To 500, Deduct	*-69.18*	
		For >500, Deduct	*-102.51*	
26 51 19 00-0302	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	896.91	30.24
		For >50 To 100, Deduct	*-23.68*	
		For >100 To 250, Deduct	*-46.11*	
		For >250 To 500, Deduct	*-89.69*	
		For >500, Deduct	*-133.28*	

26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0284)*

26 51 19 00-0304	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	38.83	6.66
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.55*	
26 51 19 00-0305	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	44.38	6.66
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.38*	
26 51 19 00-0306	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	29.58	6.66
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-4.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0307	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	20.35	6.66
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.77*	
26 51 19 00-0308	EA	Solid Reflector, Pair (Cree® LS4-SR)	103.49	6.66
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-5.45*	
		For >250 To 500, Deduct	*-10.35*	
		For >500, Deduct	*-15.25*	
26 51 19 00-0309	EA	Solid Reflector, Pair (Cree® LS8-SR)	149.70	6.66
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-7.76*	
		For >250 To 500, Deduct	*-14.97*	
		For >500, Deduct	*-22.18*	
26 51 19 00-0310	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	44.38	6.66
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.38*	
26 51 19 00-0311	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	70.24	6.66
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-3.79*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-10.26*	
26 51 19 00-0312	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	51.76	6.66
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-2.87*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-7.49*	
26 51 19 00-0313	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	75.79	6.66
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.58*	
		For >500, Deduct	*-11.09*	
26 51 19 00-0314	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	81.33	6.66
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-8.13*	
		For >500, Deduct	*-11.92*	
26 51 19 00-0315	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	66.54	6.66
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.65*	
		For >500, Deduct	*-9.70*	
26 51 19 00-0316	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	109.04	6.66
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-5.73*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-16.08*	
26 51 19 00-0317	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	48.07	6.66
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.81*	
		For >500, Deduct	*-6.93*	
26 51 19 00-0318	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	62.85	6.66
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-6.29*	
		For >500, Deduct	*-9.15*	
26 51 19 00-0319	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	44.38	6.66
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.38*	
26 51 19 00-0320	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,179.03	16.13
		For >50 To 100, Deduct	*-30.08*	
		For >100 To 250, Deduct	*-59.56*	
		For >250 To 500, Deduct	*-117.90*	
		For >500, Deduct	*-176.25*	
26 51 19 00-0321	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	393.73	16.13
		For >50 To 100, Deduct	*-10.45*	
		For >100 To 250, Deduct	*-20.29*	
		For >250 To 500, Deduct	*-39.37*	
		For >500, Deduct	*-58.45*	

26 51 19 00-0322 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0279)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0323	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	953.69	24.19
		For >50 To 100, Deduct	*-24.85*	
		For >100 To 250, Deduct	*-48.69*	
		For >250 To 500, Deduct	*-95.37*	
		For >500, Deduct	*-142.05*	

26 51 19 00-0324 High Bay LED Fixtures *(26 51 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 19 00-0325 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0324)*

26 51 19 00-0326	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	383.63	44.35
		For >50 To 100, Deduct	*-11.81*	
		For >100 To 250, Deduct	*-21.40*	
		For >250 To 500, Deduct	*-38.36*	
		For >500, Deduct	*-55.33*	
26 51 19 00-0327	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	383.63	44.35
		For >50 To 100, Deduct	*-11.81*	
		For >100 To 250, Deduct	*-21.40*	
		For >250 To 500, Deduct	*-38.36*	
		For >500, Deduct	*-55.33*	
26 51 19 00-0328	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	454.41	44.35
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-24.94*	
		For >250 To 500, Deduct	*-45.44*	
		For >500, Deduct	*-65.94*	
26 51 19 00-0329	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	454.41	44.35
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-24.94*	
		For >250 To 500, Deduct	*-45.44*	
		For >500, Deduct	*-65.94*	
26 51 19 00-0330	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	572.38	44.35
		For >50 To 100, Deduct	*-16.53*	
		For >100 To 250, Deduct	*-30.84*	
		For >250 To 500, Deduct	*-57.24*	
		For >500, Deduct	*-83.64*	
26 51 19 00-0331	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	572.38	44.35
		For >50 To 100, Deduct	*-16.53*	
		For >100 To 250, Deduct	*-30.84*	
		For >250 To 500, Deduct	*-57.24*	
		For >500, Deduct	*-83.64*	
26 51 19 00-0332	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	619.56	44.35
		For >50 To 100, Deduct	*-17.71*	
		For >100 To 250, Deduct	*-33.20*	
		For >250 To 500, Deduct	*-61.96*	
		For >500, Deduct	*-90.72*	
26 51 19 00-0333	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	619.56	44.35
		For >50 To 100, Deduct	*-17.71*	
		For >100 To 250, Deduct	*-33.20*	
		For >250 To 500, Deduct	*-61.96*	
		For >500, Deduct	*-90.72*	
26 51 19 00-0334	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	654.95	44.35
		For >50 To 100, Deduct	*-18.59*	
		For >100 To 250, Deduct	*-34.97*	
		For >250 To 500, Deduct	*-65.50*	
		For >500, Deduct	*-96.02*	
26 51 19 00-0335	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	654.95	44.35
		For >50 To 100, Deduct	*-18.59*	
		For >100 To 250, Deduct	*-34.97*	
		For >250 To 500, Deduct	*-65.50*	
		For >500, Deduct	*-96.02*	

26 51 19 00-0336 LED High Bay Fixtures (Cree) *(26 51 19 00-0324)*

26 51 19 00-0337 LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0338	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	621.14	44.35
		For >50 To 100, Deduct	*-17.75*	
		For >100 To 250, Deduct	*-33.27*	
		For >250 To 500, Deduct	*-62.11*	
		For >500, Deduct	*-90.95*	
26 51 19 00-0339	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	772.37	44.35
		For >50 To 100, Deduct	*-21.53*	
		For >100 To 250, Deduct	*-40.84*	
		For >250 To 500, Deduct	*-77.24*	
		For >500, Deduct	*-113.64*	
26 51 19 00-0340	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	698.48	44.35
		For >50 To 100, Deduct	*-19.68*	
		For >100 To 250, Deduct	*-37.14*	
		For >250 To 500, Deduct	*-69.85*	
		For >500, Deduct	*-102.55*	
26 51 19 00-0341	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	818.58	44.35
		For >50 To 100, Deduct	*-22.68*	
		For >100 To 250, Deduct	*-43.15*	
		For >250 To 500, Deduct	*-81.86*	
		For >500, Deduct	*-120.57*	
26 51 19 00-0342	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	647.84	44.35
		For >50 To 100, Deduct	*-18.41*	
		For >100 To 250, Deduct	*-34.61*	
		For >250 To 500, Deduct	*-64.78*	
		For >500, Deduct	*-94.96*	
26 51 19 00-0343	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	800.09	44.35
		For >50 To 100, Deduct	*-22.22*	
		For >100 To 250, Deduct	*-42.22*	
		For >250 To 500, Deduct	*-80.01*	
		For >500, Deduct	*-117.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0344	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	726.18	44.35
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-38.53*	
		For >250 To 500, Deduct	*-72.62*	
		For >500, Deduct	*-106.71*	
26 51 19 00-0345	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	846.28	44.35
		For >50 To 100, Deduct	*-23.37*	
		For >100 To 250, Deduct	*-44.53*	
		For >250 To 500, Deduct	*-84.63*	
		For >500, Deduct	*-124.72*	

26 51 19 00-0346 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0347	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	38.83	6.66
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.55*	
26 51 19 00-0348	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	38.83	6.66
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.55*	
26 51 19 00-0349	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	57.30	6.66
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-5.73*	
		For >500, Deduct	*-8.32*	
26 51 19 00-0350	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	94.26	6.66
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-9.43*	
		For >500, Deduct	*-13.86*	
26 51 19 00-0351	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	112.74	6.66
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-5.91*	
		For >250 To 500, Deduct	*-11.27*	
		For >500, Deduct	*-16.63*	
26 51 19 00-0352	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	57.30	6.66
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-5.73*	
		For >500, Deduct	*-8.32*	
26 51 19 00-0353	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	59.15	6.66
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.24*	
		For >250 To 500, Deduct	*-5.92*	
		For >500, Deduct	*-8.59*	
26 51 19 00-0354	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	38.83	6.66
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.88*	
		For >500, Deduct	*-5.55*	
26 51 19 00-0355	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	42.52	6.66
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.25*	
		For >500, Deduct	*-6.10*	
26 51 19 00-0356	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	22.20	6.66
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-3.05*	
26 51 19 00-0357	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	24.05	6.66
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.41*	
		For >500, Deduct	*-3.33*	

26 51 19 00-0358 LED High Bay Fixtures (DLE) *(26 51 19 00-0324)*

26 51 19 00-0359	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,342.38	44.35
		For >50 To 100, Deduct	*-35.78*	
		For >100 To 250, Deduct	*-69.34*	
		For >250 To 500, Deduct	*-134.24*	
		For >500, Deduct	*-199.14*	
26 51 19 00-0360	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,687.75	44.35
		For >50 To 100, Deduct	*-44.41*	
		For >100 To 250, Deduct	*-86.61*	
		For >250 To 500, Deduct	*-168.78*	
		For >500, Deduct	*-250.94*	
26 51 19 00-0361	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,008.46	44.35
		For >50 To 100, Deduct	*-52.43*	
		For >100 To 250, Deduct	*-102.64*	
		For >250 To 500, Deduct	*-200.85*	
		For >500, Deduct	*-299.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0362		LED High Bay Fixtures (Everlast) *(26 51 19 00-0324)*		
26 51 19 00-0363		LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0362)*		
26 51 19 00-0364	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	851.23	44.35
		For >50 To 100, Deduct	*-23.50*	
		For >100 To 250, Deduct	*-44.78*	
		For >250 To 500, Deduct	*-85.12*	
		For >500, Deduct	*-125.47*	
26 51 19 00-0365	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	909.54	44.35
		For >50 To 100, Deduct	*-24.96*	
		For >100 To 250, Deduct	*-47.69*	
		For >250 To 500, Deduct	*-90.95*	
		For >500, Deduct	*-134.21*	
26 51 19 00-0366	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	792.92	44.35
		For >50 To 100, Deduct	*-22.04*	
		For >100 To 250, Deduct	*-41.86*	
		For >250 To 500, Deduct	*-79.29*	
		For >500, Deduct	*-116.72*	
26 51 19 00-0367	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	817.59	44.35
		For >50 To 100, Deduct	*-22.66*	
		For >100 To 250, Deduct	*-43.10*	
		For >250 To 500, Deduct	*-81.76*	
		For >500, Deduct	*-120.42*	
26 51 19 00-0368	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	952.15	44.35
		For >50 To 100, Deduct	*-26.02*	
		For >100 To 250, Deduct	*-49.83*	
		For >250 To 500, Deduct	*-95.22*	
		For >500, Deduct	*-140.60*	
26 51 19 00-0369	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,053.07	44.35
		For >50 To 100, Deduct	*-28.54*	
		For >100 To 250, Deduct	*-54.87*	
		For >250 To 500, Deduct	*-105.31*	
		For >500, Deduct	*-155.74*	
26 51 19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	898.32	44.35
		For >50 To 100, Deduct	*-24.68*	
		For >100 To 250, Deduct	*-47.13*	
		For >250 To 500, Deduct	*-89.83*	
		For >500, Deduct	*-132.53*	
26 51 19 00-0371	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	985.79	44.35
		For >50 To 100, Deduct	*-26.86*	
		For >100 To 250, Deduct	*-51.51*	
		For >250 To 500, Deduct	*-98.58*	
		For >500, Deduct	*-145.65*	
26 51 19 00-0372	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,512.82	44.35
		For >50 To 100, Deduct	*-40.04*	
		For >100 To 250, Deduct	*-77.86*	
		For >250 To 500, Deduct	*-151.28*	
		For >500, Deduct	*-224.71*	
26 51 19 00-0373	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,669.81	44.35
		For >50 To 100, Deduct	*-43.96*	
		For >100 To 250, Deduct	*-85.71*	
		For >250 To 500, Deduct	*-166.98*	
		For >500, Deduct	*-248.25*	
26 51 19 00-0374	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,118.35	44.35
		For >50 To 100, Deduct	*-55.18*	
		For >100 To 250, Deduct	*-108.14*	
		For >250 To 500, Deduct	*-211.84*	
		For >500, Deduct	*-315.53*	
26 51 19 00-0375		LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0362)*		
26 51 19 00-0376	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	469.97	44.35
		For >50 To 100, Deduct	*-13.97*	
		For >100 To 250, Deduct	*-25.72*	
		For >250 To 500, Deduct	*-47.00*	
		For >500, Deduct	*-68.28*	
26 51 19 00-0377	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	772.73	44.35
		For >50 To 100, Deduct	*-21.54*	
		For >100 To 250, Deduct	*-40.85*	
		For >250 To 500, Deduct	*-77.27*	
		For >500, Deduct	*-113.69*	
26 51 19 00-0378	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	907.29	44.35
		For >50 To 100, Deduct	*-24.90*	
		For >100 To 250, Deduct	*-47.58*	
		For >250 To 500, Deduct	*-90.73*	
		For >500, Deduct	*-133.88*	
26 51 19 00-0379	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,064.28	44.35
		For >50 To 100, Deduct	*-28.82*	
		For >100 To 250, Deduct	*-55.43*	
		For >250 To 500, Deduct	*-106.43*	
		For >500, Deduct	*-157.42*	
26 51 19 00-0380	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,165.20	44.35
		For >50 To 100, Deduct	*-31.35*	
		For >100 To 250, Deduct	*-60.48*	
		For >250 To 500, Deduct	*-116.52*	
		For >500, Deduct	*-172.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0381		**LED High Bay Fixtures (Everlast EL-LED-HB-LG)** *(26 51 19 00-0362)*		
26 51 19 00-0382	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	671.81	44.35
		For >50 To 100, Deduct	*-19.01*	
		For >100 To 250, Deduct	*-35.81*	
		For >250 To 500, Deduct	*-67.18*	
		For >500, Deduct	*-98.55*	
26 51 19 00-0383	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	727.88	44.35
		For >50 To 100, Deduct	*-20.41*	
		For >100 To 250, Deduct	*-38.61*	
		For >250 To 500, Deduct	*-72.79*	
		For >500, Deduct	*-106.96*	
26 51 19 00-0384	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	806.37	44.35
		For >50 To 100, Deduct	*-22.38*	
		For >100 To 250, Deduct	*-42.54*	
		For >250 To 500, Deduct	*-80.64*	
		For >500, Deduct	*-118.74*	
26 51 19 00-0385		**LED High Bay Fixtures (Everlast EL-LED-LHB)** *(26 51 19 00-0362)*		
26 51 19 00-0386	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	685.27	44.35
		For >50 To 100, Deduct	*-19.35*	
		For >100 To 250, Deduct	*-36.48*	
		For >250 To 500, Deduct	*-68.53*	
		For >500, Deduct	*-100.57*	
26 51 19 00-0387	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	884.87	44.35
		For >50 To 100, Deduct	*-24.34*	
		For >100 To 250, Deduct	*-46.46*	
		For >250 To 500, Deduct	*-88.49*	
		For >500, Deduct	*-130.51*	
26 51 19 00-0388	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,142.78	44.35
		For >50 To 100, Deduct	*-30.79*	
		For >100 To 250, Deduct	*-59.36*	
		For >250 To 500, Deduct	*-114.28*	
		For >500, Deduct	*-169.20*	
26 51 19 00-0389		**LED High Bay Fixtures (Lithonia IBG)** *(26 51 19 00-0324)*		
26 51 19 00-0390	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	343.31	43.55
		For >50 To 100, Deduct	*-10.24*	
		For >100 To 250, Deduct	*-18.82*	
		For >250 To 500, Deduct	*-34.33*	
		For >500, Deduct	*-49.84*	
26 51 19 00-0391	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	362.10	43.55
		For >50 To 100, Deduct	*-10.71*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-36.21*	
		For >500, Deduct	*-52.66*	
26 51 19 00-0392	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	404.38	43.55
		For >50 To 100, Deduct	*-11.77*	
		For >100 To 250, Deduct	*-21.88*	
		For >250 To 500, Deduct	*-40.44*	
		For >500, Deduct	*-59.00*	
26 51 19 00-0393	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	471.12	43.55
		For >50 To 100, Deduct	*-13.43*	
		For >100 To 250, Deduct	*-25.21*	
		For >250 To 500, Deduct	*-47.11*	
		For >500, Deduct	*-69.01*	
26 51 19 00-0394	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	525.47	43.55
		For >50 To 100, Deduct	*-14.79*	
		For >100 To 250, Deduct	*-27.93*	
		For >250 To 500, Deduct	*-52.55*	
		For >500, Deduct	*-77.16*	
26 51 19 00-0395	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	653.22	43.55
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 250, Deduct	*-34.32*	
		For >250 To 500, Deduct	*-65.32*	
		For >500, Deduct	*-96.33*	
26 51 19 00-0396	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	816.31	43.55
		For >50 To 100, Deduct	*-22.06*	
		For >100 To 250, Deduct	*-42.47*	
		For >250 To 500, Deduct	*-81.63*	
		For >500, Deduct	*-120.79*	
26 51 19 00-0397	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,190.35	44.35
		For >50 To 100, Deduct	*-31.98*	
		For >100 To 250, Deduct	*-61.74*	
		For >250 To 500, Deduct	*-119.04*	
		For >500, Deduct	*-176.33*	
26 51 19 00-0398		**LED High Bay Fixtures (Lithonia IBL)** *(26 51 19 00-0324)*		
26 51 19 00-0399	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	534.61	44.35
		For >50 To 100, Deduct	*-15.58*	
		For >100 To 250, Deduct	*-28.95*	
		For >250 To 500, Deduct	*-53.46*	
		For >500, Deduct	*-77.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0400	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	593.59	44.35
		For >50 To 100, Deduct	*-17.06*	
		For >100 To 250, Deduct	*-31.90*	
		For >250 To 500, Deduct	*-59.36*	
		For >500, Deduct	*-86.82*	
26 51 19 00-0401	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	752.85	44.35
		For >50 To 100, Deduct	*-21.04*	
		For >100 To 250, Deduct	*-39.86*	
		For >250 To 500, Deduct	*-75.29*	
		For >500, Deduct	*-110.71*	
26 51 19 00-0402	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	816.55	44.35
		For >50 To 100, Deduct	*-22.63*	
		For >100 To 250, Deduct	*-43.05*	
		For >250 To 500, Deduct	*-81.66*	
		For >500, Deduct	*-120.26*	

26 51 19 00-0403 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0324)*

26 51 19 00-0404	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	611.56	44.35
		For >50 To 100, Deduct	*-17.51*	
		For >100 To 250, Deduct	*-32.80*	
		For >250 To 500, Deduct	*-61.16*	
		For >500, Deduct	*-89.52*	
26 51 19 00-0405	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	632.10	44.35
		For >50 To 100, Deduct	*-18.02*	
		For >100 To 250, Deduct	*-33.82*	
		For >250 To 500, Deduct	*-63.21*	
		For >500, Deduct	*-92.60*	
26 51 19 00-0406	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	640.37	44.35
		For >50 To 100, Deduct	*-18.23*	
		For >100 To 250, Deduct	*-34.24*	
		For >250 To 500, Deduct	*-64.04*	
		For >500, Deduct	*-93.84*	
26 51 19 00-0407	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	719.13	44.35
		For >50 To 100, Deduct	*-20.20*	
		For >100 To 250, Deduct	*-38.17*	
		For >250 To 500, Deduct	*-71.91*	
		For >500, Deduct	*-105.65*	
26 51 19 00-0408	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	810.87	44.35
		For >50 To 100, Deduct	*-22.49*	
		For >100 To 250, Deduct	*-42.76*	
		For >250 To 500, Deduct	*-81.09*	
		For >500, Deduct	*-119.41*	
26 51 19 00-0409	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	845.29	44.35
		For >50 To 100, Deduct	*-23.35*	
		For >100 To 250, Deduct	*-44.48*	
		For >250 To 500, Deduct	*-84.53*	
		For >500, Deduct	*-124.58*	

26 51 19 00-0410 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0324)*

26 51 19 00-0411 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0412	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	824.31	44.35
		For >50 To 100, Deduct	*-22.83*	
		For >100 To 250, Deduct	*-43.43*	
		For >250 To 500, Deduct	*-82.43*	
		For >500, Deduct	*-121.43*	
26 51 19 00-0413	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	949.90	44.35
		For >50 To 100, Deduct	*-25.97*	
		For >100 To 250, Deduct	*-49.71*	
		For >250 To 500, Deduct	*-94.99*	
		For >500, Deduct	*-140.27*	
26 51 19 00-0414	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,131.56	44.35
		For >50 To 100, Deduct	*-30.51*	
		For >100 To 250, Deduct	*-58.80*	
		For >250 To 500, Deduct	*-113.16*	
		For >500, Deduct	*-167.52*	
26 51 19 00-0415	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,308.74	44.35
		For >50 To 100, Deduct	*-34.94*	
		For >100 To 250, Deduct	*-67.65*	
		For >250 To 500, Deduct	*-130.87*	
		For >500, Deduct	*-194.09*	

26 51 19 00-0416 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0417	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	914.02	44.35
		For 480 Volt, Add	*62.90*	
		For >50 To 100, Deduct	*-25.07*	
		For >100 To 250, Deduct	*-47.92*	
		For >250 To 500, Deduct	*-91.40*	
		For >500, Deduct	*-134.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0418	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,351.35	44.35
		For 480 Volt, Add	*79.70*	
		For >50 To 100, Deduct	*-36.00*	
		For >100 To 250, Deduct	*-69.79*	
		For >250 To 500, Deduct	*-135.14*	
		For >500, Deduct	*-200.48*	
26 51 19 00-0419	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,555.67	44.35
		For 480 Volt, Add	*126.45*	
		For >50 To 100, Deduct	*-66.11*	
		For >100 To 250, Deduct	*-130.00*	
		For >250 To 500, Deduct	*-255.57*	
		For >500, Deduct	*-381.13*	
26 51 19 00-0420		LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0410)*		
		Note: Includes aluminum alloy chassis.		
26 51 19 00-0421	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	678.54	44.35
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-19.18*	
		For >100 To 250, Deduct	*-36.14*	
		For >250 To 500, Deduct	*-67.85*	
		For >500, Deduct	*-99.56*	
26 51 19 00-0422	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	739.09	44.35
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-20.70*	
		For >100 To 250, Deduct	*-39.17*	
		For >250 To 500, Deduct	*-73.91*	
		For >500, Deduct	*-108.65*	
26 51 19 00-0423	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	947.66	44.35
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-25.91*	
		For >100 To 250, Deduct	*-49.60*	
		For >250 To 500, Deduct	*-94.77*	
		For >500, Deduct	*-139.93*	
26 51 19 00-0424	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,097.92	44.35
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-29.67*	
		For >100 To 250, Deduct	*-57.11*	
		For >250 To 500, Deduct	*-109.79*	
		For >500, Deduct	*-162.47*	
26 51 19 00-0425	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,205.81	44.35
		For >50 To 100, Deduct	*-57.36*	
		For >100 To 250, Deduct	*-112.51*	
		For >250 To 500, Deduct	*-220.58*	
		For >500, Deduct	*-328.65*	
26 51 19 00-0426	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,403.17	44.35
		For >50 To 100, Deduct	*-62.30*	
		For >100 To 250, Deduct	*-122.38*	
		For >250 To 500, Deduct	*-240.32*	
		For >500, Deduct	*-358.26*	
26 51 19 00-0427	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,761.78	44.35
		For >50 To 100, Deduct	*-96.26*	
		For >100 To 250, Deduct	*-190.31*	
		For >250 To 500, Deduct	*-376.18*	
		For >500, Deduct	*-562.05*	
26 51 19 00-0428		Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0429		Wet Location, LED Fixtures *(26 51 19 00-0428)*		
26 51 19 00-0430		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0429)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0431	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	4,180.36	33.87
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-105.92*	
		For >100 To 250, Deduct	*-210.43*	
		For >250 To 500, Deduct	*-418.04*	
		For >500, Deduct	*-625.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0432	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	4,249.62	36.29
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-107.75*	
		For >100 To 250, Deduct	*-213.99*	
		For >250 To 500, Deduct	*-424.96*	
		For >500, Deduct	*-635.93*	
26 51 19 00-0433	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,815.25	38.70
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-121.99*	
		For >100 To 250, Deduct	*-242.38*	
		For >250 To 500, Deduct	*-481.53*	
		For >500, Deduct	*-720.67*	
26 51 19 00-0434	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,836.41	41.13
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-147.62*	
		For >100 To 250, Deduct	*-293.53*	
		For >250 To 500, Deduct	*-583.64*	
		For >500, Deduct	*-873.75*	
26 51 19 00-0435	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	7,508.28	43.55
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-189.52*	
		For >100 To 250, Deduct	*-377.23*	
		For >250 To 500, Deduct	*-750.83*	
		For >500, Deduct	*-1,124.43*	
26 51 19 00-0436	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	9,969.78	44.76
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-251.11*	
		For >100 To 250, Deduct	*-500.35*	
		For >250 To 500, Deduct	*-996.98*	
		For >500, Deduct	*-1,493.60*	
26 51 19 00-0437	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	11,589.17	45.97
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-291.64*	
		For >100 To 250, Deduct	*-581.37*	
		For >250 To 500, Deduct	*-1,158.92*	
		For >500, Deduct	*-1,736.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0438		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0429)* Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0439	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,726.66	36.29
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-94.68*	
		For >100 To 250, Deduct	*-187.85*	
		For >250 To 500, Deduct	*-372.67*	
		For >500, Deduct	*-557.49*	
26 51 19 00-0440	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	5,607.63	38.70
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-141.80*	
		For >100 To 250, Deduct	*-281.99*	
		For >250 To 500, Deduct	*-560.76*	
		For >500, Deduct	*-839.53*	
26 51 19 00-0441	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	6,195.02	41.13
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-156.59*	
		For >100 To 250, Deduct	*-311.46*	
		For >250 To 500, Deduct	*-619.50*	
		For >500, Deduct	*-927.54*	
26 51 19 00-0442	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	7,139.87	43.55
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-180.31*	
		For >100 To 250, Deduct	*-358.81*	
		For >250 To 500, Deduct	*-713.99*	
		For >500, Deduct	*-1,069.17*	
26 51 19 00-0443		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0429)* Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0444	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,520.86	33.87
		For 12/24 Volt DC Driver, Add	*59.72*	
		For Frosted Lens, Add	*122.05*	
		For 55 Degree Ambient Suitability (AC Only), Add	*81.31*	
		For Warm White Color Rendering, Add	*157.11*	
		For Ceiling Mount, Add	*185.54*	
		For Wall Mount, Add	*269.09*	
		For Teflon Coated Lens, Add	*259.04*	
		For Wall Mount With Junction Box, Add	*390.90*	
		For >50 To 100, Deduct	*-64.43*	
		For >100 To 250, Deduct	*-127.45*	
		For >250 To 500, Deduct	*-252.09*	
		For >500, Deduct	*-376.72*	
26 51 19 00-0445		Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0446		Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0445)*		
26 51 19 00-0447	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	87.46	16.13
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.51*	
26 51 19 00-0448	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	93.74	16.13
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.46*	
26 51 19 00-0449	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	100.03	16.13
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-10.00*	
		For >500, Deduct	*-14.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0450	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	106.31	16.13
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-15.34*	
26 51 19 00-0451	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	96.39	17.75
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.79*	
26 51 19 00-0452	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	102.67	17.75
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.74*	
26 51 19 00-0453	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	108.95	17.75
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0454	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	115.23	17.75
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 500, Deduct	*-11.52*	
		For >500, Deduct	*-16.62*	
26 51 19 00-0455	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	127.80	17.75
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.06*	
		For >250 To 500, Deduct	*-12.78*	
		For >500, Deduct	*-18.50*	
26 51 19 00-0456	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	87.46	16.13
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.51*	
26 51 19 00-0457	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	93.74	16.13
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.46*	
26 51 19 00-0458	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	100.02	16.13
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-10.00*	
		For >500, Deduct	*-14.40*	
26 51 19 00-0459	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	106.30	16.13
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-15.34*	
26 51 19 00-0460	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	96.39	17.75
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.79*	
26 51 19 00-0461	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	102.67	17.75
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.74*	
26 51 19 00-0462	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	108.95	17.75
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0463	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	115.23	17.75
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 500, Deduct	*-11.52*	
		For >500, Deduct	*-16.62*	
26 51 19 00-0464	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	127.80	17.75
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.06*	
		For >250 To 500, Deduct	*-12.78*	
		For >500, Deduct	*-18.50*	
26 51 19 00-0465	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	87.46	16.13
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.51*	
26 51 19 00-0466	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	93.74	16.13
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0467	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	100.02	16.13
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-10.00*	
		For >500, Deduct	*-14.40*	
26 51 19 00-0468	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	106.30	16.13
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-15.34*	
26 51 19 00-0469	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	96.39	17.75
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.79*	
26 51 19 00-0470	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	102.67	17.75
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.74*	
26 51 19 00-0471	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	108.95	17.75
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0472	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	115.23	17.75
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 500, Deduct	*-11.52*	
		For >500, Deduct	*-16.62*	
26 51 19 00-0473	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	127.80	17.75
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.06*	
		For >250 To 500, Deduct	*-12.78*	
		For >500, Deduct	*-18.50*	
26 51 19 00-0474	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	87.46	16.13
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.75*	
		For >500, Deduct	*-12.51*	
26 51 19 00-0475	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	93.74	16.13
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.46*	
26 51 19 00-0476	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	100.02	16.13
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-10.00*	
		For >500, Deduct	*-14.40*	
26 51 19 00-0477	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	106.30	16.13
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-15.34*	
26 51 19 00-0478	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	96.39	17.75
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.79*	
26 51 19 00-0479	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	102.67	17.75
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.80*	
		For >250 To 500, Deduct	*-10.27*	
		For >500, Deduct	*-14.74*	
26 51 19 00-0480	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	108.95	17.75
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.90*	
		For >500, Deduct	*-15.68*	
26 51 19 00-0481	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	115.23	17.75
		For >50 To 100, Deduct	*-3.55*	
		For >100 To 250, Deduct	*-6.43*	
		For >250 To 500, Deduct	*-11.52*	
		For >500, Deduct	*-16.62*	
26 51 19 00-0482	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	127.80	17.75
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.06*	
		For >250 To 500, Deduct	*-12.78*	
		For >500, Deduct	*-18.50*	
26 51 19 00-0483	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	129.02	19.15
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0484	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	143.29	19.15
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.33*	
		For >500, Deduct	*-20.77*	
26 51 19 00-0485	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	139.81	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.72*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.25*	
26 51 19 00-0486	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	139.75	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.24*	
26 51 19 00-0487	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	155.86	19.15
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-8.52*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.65*	
26 51 19 00-0488	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	150.66	19.15
		For >50 To 100, Deduct	*-4.49*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-15.07*	
		For >500, Deduct	*-21.87*	
26 51 19 00-0489	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	172.42	19.15
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 500, Deduct	*-17.24*	
		For >500, Deduct	*-25.14*	
26 51 19 00-0490	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	165.34	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-16.53*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0491	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	165.39	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0492	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	129.02	19.15
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0493	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	143.29	19.15
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.33*	
		For >500, Deduct	*-20.77*	
26 51 19 00-0494	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	139.81	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.72*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.25*	
26 51 19 00-0495	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	139.75	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.24*	
26 51 19 00-0496	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	155.86	19.15
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-8.52*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.65*	
26 51 19 00-0497	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	150.66	19.15
		For >50 To 100, Deduct	*-4.49*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-15.07*	
		For >500, Deduct	*-21.87*	
26 51 19 00-0498	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	172.42	19.15
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 500, Deduct	*-17.24*	
		For >500, Deduct	*-25.14*	
26 51 19 00-0499	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	165.34	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-16.53*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0500	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	165.39	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-24.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0501	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	129.02	19.15
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0502	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	143.29	19.15
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.33*	
		For >500, Deduct	*-20.77*	
26 51 19 00-0503	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	139.81	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.72*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.25*	
26 51 19 00-0504	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	139.75	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.24*	
26 51 19 00-0505	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	155.86	19.15
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-8.52*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.65*	
26 51 19 00-0506	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	150.66	19.15
		For >50 To 100, Deduct	*-4.49*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-15.07*	
		For >500, Deduct	*-21.87*	
26 51 19 00-0507	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	172.42	19.15
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 500, Deduct	*-17.24*	
		For >500, Deduct	*-25.14*	
26 51 19 00-0508	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	165.34	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-16.53*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0509	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	165.39	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0510	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	129.02	19.15
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0511	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	143.29	19.15
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-14.33*	
		For >500, Deduct	*-20.77*	
26 51 19 00-0512	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	139.81	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.72*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.25*	
26 51 19 00-0513	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	139.75	19.15
		For >50 To 100, Deduct	*-4.22*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.98*	
		For >500, Deduct	*-20.24*	
26 51 19 00-0514	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	155.86	19.15
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-8.52*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.65*	
26 51 19 00-0515	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	150.66	19.15
		For >50 To 100, Deduct	*-4.49*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-15.07*	
		For >500, Deduct	*-21.87*	
26 51 19 00-0516	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	172.42	19.15
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-9.35*	
		For >250 To 500, Deduct	*-17.24*	
		For >500, Deduct	*-25.14*	
26 51 19 00-0517	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	165.34	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-16.53*	
		For >500, Deduct	*-24.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0518	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	165.39	19.15
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-24.08*	
26 51 19 00-0519		**Ceiling Mounted, LED Mushroom Fixtures (Mobern)** *(26 51 19 00-0445)*		
26 51 19 00-0520	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	149.18	17.75
		For >50 To 100, Deduct	*-4.39*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-14.92*	
		For >500, Deduct	*-21.71*	
26 51 19 00-0521		**Ceiling Mounted, LED Fixtures (Sylvania)** *(26 51 19 00-0445)*		
26 51 19 00-0522	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	689.77	19.15
		For >50 To 100, Deduct	*-17.97*	
		For >100 To 250, Deduct	*-35.21*	
		For >250 To 500, Deduct	*-68.98*	
		For >500, Deduct	*-102.74*	
26 51 19 00-0523	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	240.44	16.13
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-12.63*	
		For >250 To 500, Deduct	*-24.04*	
		For >500, Deduct	*-35.46*	
26 51 19 00-0524	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	302.95	18.79
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 250, Deduct	*-15.85*	
		For >250 To 500, Deduct	*-30.30*	
		For >500, Deduct	*-44.74*	
26 51 19 00-0525	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	307.14	18.79
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 250, Deduct	*-16.06*	
		For >250 To 500, Deduct	*-30.71*	
		For >500, Deduct	*-45.37*	
26 51 19 00-0526		**Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0527		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0526)*		
		Note: Fixtures exclude driver.		
26 51 19 00-0528	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	265.50	18.79
		For >50 To 100, Deduct	*-7.34*	
		For >100 To 250, Deduct	*-13.98*	
		For >250 To 500, Deduct	*-26.55*	
		For >500, Deduct	*-39.12*	
26 51 19 00-0529	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	318.35	33.27
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-17.18*	
		For >250 To 500, Deduct	*-31.84*	
		For >500, Deduct	*-46.49*	
26 51 19 00-0530	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	306.93	26.61
		For >50 To 100, Deduct	*-8.68*	
		For >100 To 250, Deduct	*-16.35*	
		For >250 To 500, Deduct	*-30.69*	
		For >500, Deduct	*-45.03*	
26 51 19 00-0531		**Pendant Mount, LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0532		**Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)** *(26 51 19 00-0531)*		
26 51 19 00-0533	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,612.49	41.13
		For >50 To 100, Deduct	*-67.03*	
		For >100 To 250, Deduct	*-132.34*	
		For >250 To 500, Deduct	*-261.25*	
		For >500, Deduct	*-390.16*	
26 51 19 00-0534	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,007.34	43.55
		For >50 To 100, Deduct	*-102.00*	
		For >100 To 250, Deduct	*-202.18*	
		For >250 To 500, Deduct	*-400.73*	
		For >500, Deduct	*-599.29*	
26 51 19 00-0535	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,149.89	45.97
		For >50 To 100, Deduct	*-130.66*	
		For >100 To 250, Deduct	*-259.41*	
		For >250 To 500, Deduct	*-514.99*	
		For >500, Deduct	*-770.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0536	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,544.74	48.39
		For >50 To 100, Deduct	*-165.63*	
		For >100 To 250, Deduct	*-329.25*	
		For >250 To 500, Deduct	*-654.47*	
		For >500, Deduct	*-979.70*	
26 51 19 00-0537	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,779.30	41.13
		For >50 To 100, Deduct	*-71.20*	
		For >100 To 250, Deduct	*-140.68*	
		For >250 To 500, Deduct	*-277.93*	
		For >500, Deduct	*-415.18*	
26 51 19 00-0538	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,228.37	43.55
		For >50 To 100, Deduct	*-107.52*	
		For >100 To 250, Deduct	*-213.23*	
		For >250 To 500, Deduct	*-422.84*	
		For >500, Deduct	*-632.44*	
26 51 19 00-0539	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,373.01	45.97
		For >50 To 100, Deduct	*-136.24*	
		For >100 To 250, Deduct	*-270.57*	
		For >250 To 500, Deduct	*-537.30*	
		For >500, Deduct	*-804.04*	
26 51 19 00-0540	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,794.97	48.39
		For >50 To 100, Deduct	*-171.89*	
		For >100 To 250, Deduct	*-341.76*	
		For >250 To 500, Deduct	*-679.50*	
		For >500, Deduct	*-1,017.23*	
26 51 19 00-0541		**Pendant Mount, LED Commercial Fixtures (DMF)** *(26 51 19 00-0531)*		
26 51 19 00-0542	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	984.91	24.19
		For >50 To 100, Deduct	*-25.63*	
		For >100 To 250, Deduct	*-50.25*	
		For >250 To 500, Deduct	*-98.49*	
		For >500, Deduct	*-146.73*	
26 51 19 00-0543		**LED Track Lighting** *(26 51 19 00-0001)*		
26 51 19 00-0544		**Track Lighting Tracks** *(26 51 19 00-0543)*		
26 51 19 00-0545	LF	1 Circuit Track Lighting Track	19.81	2.92
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.87*	
26 51 19 00-0546	LF	2 Circuit Track Lighting Track	27.19	2.92
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.97*	
26 51 19 00-0547	LF	3 Circuit Track Lighting Track	33.36	2.92
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.88*	
26 51 19 00-0548	LF	4 Circuit Track Lighting Track	39.55	3.53
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.96*	
		For >500, Deduct	*-5.80*	
26 51 19 00-0549		**LED Track Lighting Fixtures** *(26 51 19 00-0543)*		
26 51 19 00-0550	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	209.73	7.38
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-10.76*	
		For >250 To 500, Deduct	*-20.97*	
		For >500, Deduct	*-31.18*	
26 51 19 00-0551	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	382.76	7.38
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 250, Deduct	*-19.41*	
		For >250 To 500, Deduct	*-38.28*	
		For >500, Deduct	*-57.14*	
26 51 19 00-0552	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	216.30	7.38
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-21.63*	
		For >500, Deduct	*-32.17*	
26 51 19 00-0553		**Track Lighting Accessories** *(26 51 19 00-0543)*		
26 51 19 00-0554		**Pendant Mounting** *(26 51 19 00-0553)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0555	EA	Track Lighting Pendant Mounting, Up to 12"	15.62	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.18*	
26 51 19 00-0556	EA	Track Lighting Pendant Mounting, >12" To 24"	21.61	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-3.05*	
26 51 19 00-0557	EA	Track Lighting Pendant Mounting, >24" To 36"	26.82	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.80*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	362.27	47.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	374.50	49.98
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	378.74	57.06
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	371.52	47.08
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	378.41	49.98
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	392.05	57.06
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	398.73	42.98
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	405.02	45.65
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	416.76	52.09
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	393.27	42.98
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	398.74	45.65
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	421.61	52.09
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	346.12	45.65
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	364.08	52.09
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	602.09	54.79
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0025 Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	312.18	45.65
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	334.81	52.09
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	483.86	54.79
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0029 Induction, High Bay Fixtures *(26 51 23 00-0020)*

26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	429.88	39.92
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	466.10	41.25
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	472.85	42.58
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	523.22	43.91
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	535.86	45.24
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	471.17	39.92
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	507.39	41.25
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	514.14	42.58
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	564.51	43.91
		For Impact Resistant Silicon Lens, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	577.15	45.24
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		**Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0001)*		
		Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		**High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	321.94	30.60
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	613.12	30.60
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	710.89	30.60
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	966.94	30.60
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0047		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	238.51	30.60
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	246.18	33.96
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	259.61	36.78
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	284.19	43.81
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0052		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	135.29	12.72
		For ICAT Housing, Add	*15.00*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	143.06	12.72
		For ICAT Housing, Add	*16.01*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	150.41	13.25
		For ICAT Housing, Add	*16.84*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	155.53	13.83
		For ICAT Housing, Add	*17.39*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	160.58	14.40
		For ICAT Housing, Add	*17.92*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	163.96	15.28
		For ICAT Housing, Add	*18.19*	
26 51 23 00-0059		**Metal Halide Track Lighting Fixtures** *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	90.65	7.38
26 51 23 00-0061		**Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	128.94	17.66
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	134.18	17.66
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	144.82	17.66
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	160.83	17.66
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066		**High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	116.47	17.66
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	122.98	17.66
		For Wall Mounted, Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	148.14	17.66
		For Wall Mounted, Add	*6.67*	

26 51 33 Interior Lighting Accessories *(26 51)*

26 51 33 00-0001 Accessories And Modifiers For Fixtures *(26 51 33)*

26 51 33 00-0002 Lens Modifications *(26 51 33 00-0001)*

26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	39.80
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	49.17
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	51.51
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	56.19
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	67.89
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	16.39
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	23.41
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.75
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	30.44

26 51 33 00-0012 Pendant Mounting Modifications *(26 51 33 00-0001)*

Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.

26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.79
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.60
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	26.36
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	31.14
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	39.33
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	53.38

26 51 33 00-0019 Fluorescent Light Accessories *(26 51 33 00-0001)*

26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.91
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	180.25

26 51 33 00-0022 Wire Guards *(26 51 33 00-0001)*

26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	67.04	2.22
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	92.23	3.56
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	74.99	2.45
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	105.20	3.78
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	92.95	2.67
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	125.67	4.00

26 51 33 00-0029 Lighting Accessories *(26 51 33)*

26 51 33 00-0030 Modular Flexible Wiring Systems *(26 51 33 00-0029)*

26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	91.71	2.38
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	116.28	2.38
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	143.51	2.38
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	116.28	2.38
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	79.28	2.38
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	134.11	2.38
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	65.87	2.38
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	78.00	2.38
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	113.13	2.38
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	113.13	2.38
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	115.42	2.38
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	114.57	2.38
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	114.57	2.38
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	134.98	2.38
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	50.07	2.38
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	45.31	2.38
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	46.97	2.38
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	64.63	2.38
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	91.71	2.38
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	94.58	2.38
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	69.02	2.38
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	45.31	2.38
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	19.87	

26 51 33 00-0054 Additional Lighting Wire Whips *(26 51 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.95	
26 51 33 00-0056		Removal And Reinstallation Of Light Fixtures *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	46.97	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	53.68	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001		Commercial Emergency Lights *(26 52 13 13)*		
26 52 13 13-0002		Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	218.49	11.04
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	135.94	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	243.97	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	292.88	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	460.94	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	529.17	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	794.97	11.04
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0010		Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)* Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	151.63	6.62
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	152.86	6.62
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	156.99	6.62
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	156.32	6.62
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	130.98	6.62
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	80.68	6.62
26 52 13 13-0017		Industrial Emergency Lights *(26 52 13 13)*		
26 52 13 13-0018		Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*		
26 52 13 13-0019		Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	423.82	11.04
		For Wireguard, Add	*241.72*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	347.49	11.04
		For Wireguard, Add	*241.72*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	570.57	11.04
		For Wireguard, Add	*241.72*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	609.07	11.04
		For Wireguard, Add	*241.72*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	891.41	11.04
		For Wireguard, Add	*257.45*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,431.53	11.04
		For Wireguard, Add	*257.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0026		**Remote Heads For Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0018)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	109.67	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	114.47	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	110.34	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	111.12	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	114.47	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	138.79	6.62
		For Wireguard, Add	*195.07*	
26 52 13 13-0033		**Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights** *(26 52 13 13-0017)*		
26 52 13 13-0034		**Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights** *(26 52 13 13-0033)*		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	417.69	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	458.42	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	447.26	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	475.72	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	836.17	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	645.90	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	729.60	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	772.00	11.04
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0043		**Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights** *(26 52 13 13-0033)*		
		Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	91.26	6.62
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	100.96	6.62
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	91.37	6.62
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	98.51	6.62
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	80.16	6.62
26 52 13 13-0049		**Outdoor Emergency Lights** *(26 52 13 13)*		
26 52 13 13-0050		**Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights** *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	686.63	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	828.92	11.04
26 52 13 13-0053		**Recessed Emergency Lights** *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	755.55	11.04
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2) Note: Includes lead-calcium batteries and two adjustable lamp heads.	535.43	22.08
		For Wireguard, Add	*257.45*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) Note: Includes lead-calcium batteries and two adjustable lamp heads.	811.19	22.08
		For Wireguard, Add	*257.45*	
26 52 13 13-0057		**Square Wraparound Emergency Lights** *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	320.62	11.04
26 52 13 16		**Exit Signs** *(26 52 13)* Note: Excludes pendants.		
26 52 13 16-0001		**LED Exit Signs** *(26 52 13 16)* Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	145.13	16.14
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-8.06*	
		For >250 To 500, Deduct	*-14.51*	
		For >500, Deduct	*-20.96*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	145.13	16.14
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-4.44*	
		For >100 To 250, Deduct	*-8.06*	
		For >250 To 500, Deduct	*-14.51*	
		For >500, Deduct	*-20.96*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	229.55	16.14
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-12.28*	
		For >250 To 500, Deduct	*-22.96*	
		For >500, Deduct	*-33.63*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	229.55	16.14
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-6.55*	
		For >100 To 250, Deduct	*-12.28*	
		For >250 To 500, Deduct	*-22.96*	
		For >500, Deduct	*-33.63*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	259.71	16.14
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 250, Deduct	*-13.79*	
		For >250 To 500, Deduct	*-25.97*	
		For >500, Deduct	*-38.15*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	303.71	16.14
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 250, Deduct	*-15.99*	
		For >250 To 500, Deduct	*-30.37*	
		For >500, Deduct	*-44.75*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	241.32	16.14
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 250, Deduct	*-12.87*	
		For >250 To 500, Deduct	*-24.13*	
		For >500, Deduct	*-35.39*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	273.26	16.14
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 250, Deduct	*-14.47*	
		For >250 To 500, Deduct	*-27.33*	
		For >500, Deduct	*-40.18*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	300.79	16.14
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 250, Deduct	*-16.14*	
		For >250 To 500, Deduct	*-30.08*	
		For >500, Deduct	*-44.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)	267.85	16.14
		Note: Includes two circular side mounted LED emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-14.50*	
		For >250 To 500, Deduct	*-26.79*	
		For >500, Deduct	*-39.07*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	400.43	16.14
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.11*	
		For >100 To 250, Deduct	*-21.13*	
		For >250 To 500, Deduct	*-40.04*	
		For >500, Deduct	*-58.96*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	423.62	16.14
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.69*	
		For >100 To 250, Deduct	*-22.29*	
		For >250 To 500, Deduct	*-42.36*	
		For >500, Deduct	*-62.44*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	74.03	16.14
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.30*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	74.57	16.14
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.38*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	224.17	16.14
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-12.02*	
		For >250 To 500, Deduct	*-22.42*	
		For >500, Deduct	*-32.82*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	227.22	16.14
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-12.17*	
		For >250 To 500, Deduct	*-22.72*	
		For >500, Deduct	*-33.28*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	247.83	16.14
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100 To 250, Deduct	*-13.20*	
		For >250 To 500, Deduct	*-24.78*	
		For >500, Deduct	*-36.37*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	309.43	16.14
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-16.28*	
		For >250 To 500, Deduct	*-30.94*	
		For >500, Deduct	*-45.61*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	554.55	16.14
		For >50 To 100, Deduct	*-14.67*	
		For >100 To 250, Deduct	*-28.53*	
		For >250 To 500, Deduct	*-55.46*	
		For >500, Deduct	*-82.38*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,076.26	16.14
		For >50 To 100, Deduct	*-27.71*	
		For >100 To 250, Deduct	*-54.62*	
		For >250 To 500, Deduct	*-107.63*	
		For >500, Deduct	*-160.63*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	673.40	16.14
		For >50 To 100, Deduct	*-17.64*	
		For >100 To 250, Deduct	*-34.48*	
		For >250 To 500, Deduct	*-67.34*	
		For >500, Deduct	*-100.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,171.67	16.14
		For >50 To 100, Deduct	*-30.10*	
		For >100 To 250, Deduct	*-59.39*	
		For >250 To 500, Deduct	*-117.17*	
		For >500, Deduct	*-174.94*	
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	613.69	16.14
		For >50 To 100, Deduct	*-16.15*	
		For >100 To 250, Deduct	*-31.49*	
		For >250 To 500, Deduct	*-61.37*	
		For >500, Deduct	*-91.25*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,171.67	16.14
		For >50 To 100, Deduct	*-30.10*	
		For >100 To 250, Deduct	*-59.39*	
		For >250 To 500, Deduct	*-117.17*	
		For >500, Deduct	*-174.94*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	768.25	16.14
		For >50 To 100, Deduct	*-20.01*	
		For >100 To 250, Deduct	*-39.22*	
		For >250 To 500, Deduct	*-76.83*	
		For >500, Deduct	*-114.43*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,470.75	16.14
		For >50 To 100, Deduct	*-37.58*	
		For >100 To 250, Deduct	*-74.34*	
		For >250 To 500, Deduct	*-147.08*	
		For >500, Deduct	*-219.81*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	519.39	16.14
		For >50 To 100, Deduct	*-13.79*	
		For >100 To 250, Deduct	*-26.78*	
		For >250 To 500, Deduct	*-51.94*	
		For >500, Deduct	*-77.10*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	842.46	16.14
		For >50 To 100, Deduct	*-21.87*	
		For >100 To 250, Deduct	*-42.93*	
		For >250 To 500, Deduct	*-84.25*	
		For >500, Deduct	*-125.56*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,040.55	16.14
		For >50 To 100, Deduct	*-26.82*	
		For >100 To 250, Deduct	*-52.83*	
		For >250 To 500, Deduct	*-104.06*	
		For >500, Deduct	*-155.28*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	33.12	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-2.48*	
		For >250 To 500, Deduct	*-3.31*	
		For >500, Deduct	*-4.14*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	120.46	4.45
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-12.05*	
		For >500, Deduct	*-17.85*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	62.71	4.45
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-9.18*	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	114.76	3.56
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-5.92*	
		For >250 To 500, Deduct	*-11.48*	
		For >500, Deduct	*-17.04*	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	115.89	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-11.59*	
		For >500, Deduct	*-17.11*	

26 54 Classified Location Lighting *(26 50)*

26 54 13 Incandescent Classified Location Lighting *(26 54)*

26 54 13 00-0001 Class II Division I, Explosion Proof Fixtures *(26 54 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0002	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	202.19	57.54
26 54 13 00-0003	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	207.36	57.54
26 54 13 00-0004	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	257.58	57.54
26 54 13 00-0005	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	240.45	57.54
26 54 13 00-0006	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	248.14	57.54
26 54 13 00-0007	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	303.52	57.54

26 54 13 00-0008 Class I, Division I, Hazardous Location Fixtures *(26 54 13)*

26 54 13 00-0009 Class I Division I Fixtures Accessories *(26 54 13 00-0008)*

26 54 13 00-0010	EA	Appleton AALB-75, Long Mounting Hood	142.70	6.12
26 54 13 00-0011	EA	Appleton AAC-75, Ceiling Mounting Hood	100.40	6.12
26 54 13 00-0012	EA	Appleton AAP-75, Pendent Mounting Hood	44.27	6.12
26 54 13 00-0013	EA	Appleton AAGU-1, Aluminum Lens Guard	28.01	2.46
26 54 13 00-0014	EA	Flexible Hanger Coupling (Appleton #EXJF28)	175.62	6.12
26 54 13 00-0015	EA	Conduit Outlet Box (Appleton #GRUE75-A)	51.35	6.12
26 54 13 00-0016	EA	Rigid Fixture Hanger (Appleton #CPU20-75)	78.52	6.12
26 54 13 00-0017	EA	150 Watt High Intensity Discharge (HID) Fixture, Appleton KPBU150L-MT	1,158.63	51.65
26 54 13 00-0018	EA	Appleton KPA-75, Pendant Mounting Hood	89.54	6.12
26 54 13 00-0019	EA	Appleton KPC-75, Ceiling Mounting Hood	88.98	6.12

26 54 13 00-0020 Exit And Emergency Fixtures, Battery Powered, Class I Division I *(26 54 13 00-0008)*

Note: Includes fixtures, batteries, directional heads and accessories.

26 54 13 00-0021	EA	Halogen /HIT 12 Volt/25 Watt Pendant Mount Fixture For Use With Battery Unit (Remote Or Local), Class I Division I (Emergi-Lite EFEP)	1,877.13	37.97
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
		For Globe Guard, Add	*107.04*	
		For Dome Reflector, Add	*225.98*	
		For Dome Angle Reflector, Add	*225.98*	
26 54 13 00-0022	EA	Incandescent/Halogen/HIT 12 Volt/25 Watt Pendant Mount Exit Light Fixture For Use With Battery Unit (Remote Or Local), Single Face, Class I Division I (Emergi-Lite EFXP)	2,325.80	37.97
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
26 54 13 00-0023	EA	12 Volt / 36 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,597.47	37.97
26 54 13 00-0024	EA	12 Volt / 50 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,599.69	39.30
26 54 13 00-0025	EA	12 Volt / 72 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,601.91	40.68

26 54 13 00-0026 Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0027	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,509.61	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0028	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,540.98	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0029	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,569.82	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0030	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,603.61	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0031	EA	50 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,291.38	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0032	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,305.39	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0033	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,433.42	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0034	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,607.64	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0035 Accessories For Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0036	EA	Globe Guard For Up To 175 Watt, Code Master Jr.	59.52	
26 54 13 00-0037	EA	Globe Reflector, Code Master Jr.	101.68	
26 54 13 00-0038	EA	Angle Globe Reflector, Code Master Jr.	96.72	

26 54 13 00-0039 Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0040	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,735.28	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0041	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,774.09	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0042	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,842.61	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0043	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,906.16	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0044	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,116.64	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0045	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,461.97	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0046	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	1,910.19	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0047	EA	250 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,116.64	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0048	EA	400 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,461.97	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0049 Accessories For Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0050	EA	Globe Guard For Up To 175 Watt, Code Master 2	59.52	
26 54 13 00-0051	EA	Globe Guard For 250 To 400 Watt, Code Master 2	91.76	
26 54 13 00-0052	EA	Globe Reflector, Code Master 2	136.39	
26 54 13 00-0053	EA	Angle Globe Reflector, Code Master 2	136.39	

26 54 13 00-0054 Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0055	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,377.79	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0056	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,401.97	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0057	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,446.33	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0058	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,513.22	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0059	EA	200 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,586.28	49.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0060	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,678.47	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0061	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,934.86	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0062	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,252.38	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0063	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,293.48	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0064	EA	175 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,307.69	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0065	EA	250 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,654.36	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0066	EA	400 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,757.52	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0067 Accessories For Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0068	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVM	48.21
26 54 13 00-0069	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVM	75.70
26 54 13 00-0070	EA	Dome Reflector, Crouse-Hinds - EVM	113.01
26 54 13 00-0071	EA	Angle Reflector, Crouse-Hinds - EVM	113.01

26 54 13 00-0072 Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0073	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	762.37	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0074	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	727.03	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0075	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	842.44	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0076	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	999.05	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0077	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I, Crouse-Hinds EVLP	1,048.95	49.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0078	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,110.93	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0079	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,276.56	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0080	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	748.68	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0081	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	810.44	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0082	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	827.12	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0083	EA	100 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	863.10	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0084	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	880.38	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0085	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,266.39	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0086	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,254.52	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0087 Accessories For Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0088	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVLP	48.21	
26 54 13 00-0089	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVLP	75.70	
26 54 13 00-0090	EA	Dome Reflector, Crouse-Hinds - EVLP	113.01	
26 54 13 00-0091	EA	Angle Reflector, Crouse-Hinds - EVLP	113.01	

26 54 13 00-0092 Class I, Division II, Hazardous Location Fixtures *(26 54 13)*

26 54 13 00-0093 Pendant Mount Mercmaster III *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0094	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	851.09	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0095	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	947.32	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0096	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	995.69	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0097	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,015.17	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0098	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,308.67	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0099	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,528.41	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0100	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	816.06	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0101	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	830.32	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0102	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,262.40	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0103	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,479.34	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0104	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,195.83	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0105	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,535.06	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0106	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,794.37	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0107 Pendant Mount Mercmaster III Low Profile *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0108	EA	35 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	532.10	36.69
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0109	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	547.27	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0110	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	604.64	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0111	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	638.33	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0112	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	698.43	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0113	EA	50 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	560.97	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0114	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	594.36	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0115	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	647.62	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0116	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	830.13	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0117 Accessories For Mercmaster III And Mercmaster III Low Profile *(26 54 13 00-0092)*

26 54 13 00-0118	EA	Cone-Type Pendent, Mercmaster III And Mercmaster III Low Profile	92.93
26 54 13 00-0119	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	46.47
26 54 13 00-0120	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	197.41
26 54 13 00-0121	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	69.55
26 54 13 00-0122	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	113.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0123	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 50 To 250 Watt	78.42	
26 54 13 00-0124	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 400 Watt	113.01	
26 54 13 00-0125	EA	Refractor Guard, Mercmaster	67.13	
26 54 13 00-0126	EA	Dome And Angle Refractor, Mercmaster	113.01	
26 54 13 00-0127	EA	Refractor Glass Mercmaster Up To 100 Watt	151.78	
26 54 13 00-0128	EA	Refractor Glass Mercmaster 175 Watt	151.98	
26 54 13 00-0129	EA	Refractor Glass Up To 250 Watt Metal Halide, Mercmaster	151.78	
26 54 13 00-0130	EA	Refractor Glass For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	78.11	
26 54 13 00-0131	EA	Refractor Guard Up To 250 Watt Metal Halide, Mercmaster	67.13	
26 54 13 00-0132	EA	Refractor Guard For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	86.03	
26 54 13 00-0133	EA	Reflector / Refractor For Mercmaster III	113.01	
26 54 13 00-0134	EA	Appleton KPWB-75, Wall Mount	174.33	6.12
26 54 13 00-0135	EA	Appleton KGU2, Aluminum Lens Guard	73.32	2.46

26 54 13 00-0136 Pendant Mount Crouse-Hinds EV Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0137	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	995.87	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0138	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,039.67	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0139	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,194.67	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0140	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	887.28	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0141	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	958.47	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0142	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	982.49	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0143	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,073.37	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0144	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,210.26	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0145 Pendant Mount VMV Champ Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0146	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	895.73	38.30
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0147	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	880.22	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0148	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	902.53	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0149	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	946.07	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0150	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,181.05	49.80
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0151	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,383.44	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0152	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,391.51	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0153	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	712.74	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0154	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	739.13	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0155	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	769.11	47.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0156	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,241.54	52.42
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0157	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,766.82	57.66
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0158		Pendant Mount DMV Champ Series *(26 54 13 00-0092)*		
		Note: With globe, Class I Division II.		
26 54 13 00-0159	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	606.42	39.31
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0160	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	621.99	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0161	EA	100 Watt Metal Halide Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	527.48	41.94
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0162	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	606.33	44.56
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 16		**Fluorescent Classified Location Lighting** *(26 54)*		
26 54 16 00-0001		Class I Division I, Explosion Proof Fixtures *(26 54 16)*		
		Note: Pendant or ceiling mount.		
26 54 16 00-0002	EA	2 - 40 Watt 430mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	6,038.49	67.13
26 54 16 00-0003	EA	4 - 60 Watt 8000mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	11,157.14	67.09
26 54 16 00-0004		Class I, Division I, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0005		4' Fluorescent Pendant Mount, Class I Division I *(26 54 16 00-0004)*		
26 54 16 00-0006	EA	4' Fluorescent Fixture, 40W Rapid Start (Appleton #ARS240-118ESB)	4,899.89	51.65
26 54 16 00-0007	EA	4' Fluorescent Fixture, 40 Watt Biaxial Combination (Appleton #APL240-120)	3,100.15	51.65
26 54 16 00-0008	EA	4' Fluorescent Fixture, 60W Rapid Start (Appleton #AH260-118)	5,905.04	51.65
26 54 16 00-0009		Dust Ignition Proof Fluorescent Fixtures *(26 54 16)*		
26 54 16 00-0010		Heavy-Duty Glass Lamp *(26 54 16 00-0009)*		
26 54 16 00-0011	EA	1 40 Watt Fluorescent Lamp, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	929.24	71.41
26 54 16 00-0012	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,114.02	77.99
26 54 16 00-0013	EA	4 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,489.69	101.90
26 54 16 00-0014		Heavy-Duty Glass Lamp With Heat Resistant Glass Door *(26 54 16 00-0009)*		
26 54 16 00-0015	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture With Heat Resistant Door	606.04	59.71
26 54 16 00-0016		Class I, Division II, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0017		4' Industrial Fluorescent *(26 54 16 00-0016)*		
		Note: Class I Division II.		
26 54 16 00-0018		Day-Brite Dust Tite, 4' Industrial Fluorescent *(26 54 16 00-0017)*		
		Note: Class I, Division II. Tempered glass lens.		
26 54 16 00-0019	EA	Two T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,054.21	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 16 00-0020	EA	Three T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,117.21	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0021	EA	Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,022.90	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0022	EA	Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,085.01	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0023	EA	High Output Ballast With Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,163.88	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0024	EA	High Output Ballast With Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,409.41	51.65
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	

26 54 16 00-0025 Appleton Non-Metallic Body, FV Series 4' Industrial Fluorescent *(26 54 16 00-0017)*

Note: Class I, Division II. Polycarbonate lens.

26 54 16 00-0026	EA	Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,198.33	51.65
26 54 16 00-0027	EA	Three T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,262.67	51.65
26 54 16 00-0028	EA	Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,165.89	51.65
26 54 16 00-0029	EA	High Output Ballast With Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,251.36	51.65
26 54 16 00-0030	EA	High Output Ballast With Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,281.45	51.65

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,675.23	36.29
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-68.39*	
		For >100 To 250, Deduct	*-135.27*	
		For >250 To 500, Deduct	*-267.52*	
		For >500, Deduct	*-399.77*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,295.58	38.70
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-84.00*	
		For >100 To 250, Deduct	*-166.39*	
		For >250 To 500, Deduct	*-329.56*	
		For >500, Deduct	*-492.72*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,731.07	41.13
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-94.99*	
		For >100 To 250, Deduct	*-188.27*	
		For >250 To 500, Deduct	*-373.11*	
		For >500, Deduct	*-557.95*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,178.86	43.55
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-106.29*	
		For >100 To 250, Deduct	*-210.76*	
		For >250 To 500, Deduct	*-417.89*	
		For >500, Deduct	*-625.01*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vapogard™ V2LC)	1,540.35	33.87
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-39.92*	
		For >100 To 250, Deduct	*-78.43*	
		For >250 To 500, Deduct	*-154.04*	
		For >500, Deduct	*-229.64*	
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,515.17	33.87
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-64.29*	
		For >100 To 250, Deduct	*-127.17*	
		For >250 To 500, Deduct	*-251.52*	
		For >500, Deduct	*-375.86*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,789.94	36.29
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-71.26*	
		For >100 To 250, Deduct	*-141.01*	
		For >250 To 500, Deduct	*-278.99*	
		For >500, Deduct	*-416.98*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,132.65	38.70
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-79.93*	
		For >100 To 250, Deduct	*-158.25*	
		For >250 To 500, Deduct	*-313.27*	
		For >500, Deduct	*-468.28*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,112.57	41.13
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-104.53*	
		For >100 To 250, Deduct	*-207.34*	
		For >250 To 500, Deduct	*-411.26*	
		For >500, Deduct	*-615.17*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,730.64	43.55
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-120.08*	
		For >100 To 250, Deduct	*-238.35*	
		For >250 To 500, Deduct	*-473.06*	
		For >500, Deduct	*-707.78*	
26 54 19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,998.71	36.29
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-176.48*	
		For >100 To 250, Deduct	*-351.45*	
		For >250 To 500, Deduct	*-699.87*	
		For >500, Deduct	*-1,048.29*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	8,551.61	38.70
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-215.40*	
		For >100 To 250, Deduct	*-429.19*	
		For >250 To 500, Deduct	*-855.16*	
		For >500, Deduct	*-1,281.13*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	9,963.90	41.13
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-250.81*	
		For >100 To 250, Deduct	*-499.91*	
		For >250 To 500, Deduct	*-996.39*	
		For >500, Deduct	*-1,492.87*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	11,402.45	43.55
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-286.88*	
		For >100 To 250, Deduct	*-571.94*	
		For >250 To 500, Deduct	*-1,140.25*	
		For >500, Deduct	*-1,708.55*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	13,246.45	41.94
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-333.08*	
		For >100 To 250, Deduct	*-664.24*	
		For >250 To 500, Deduct	*-1,324.65*	
		For >500, Deduct	*-1,985.05*	
26 54 23		**HID Classified Location Lighting** *(26 54)*		
26 54 23 00-0001		Mogul Base, Class I Division II, Dust Ignition Proof Fixtures *(26 54 23)*		
26 54 23 00-0002		Mogul Base, Class I Division II, Dust Ignition Proof Fixtures Without Reflector *(26 54 23 00-0001)*		
26 54 23 00-0003	EA	100 Watt High Pressure Sodium High Intensity Discharge, Mogul Base, Industrial Lighting Fixture, Pendant Mounted, Without Reflector, Class I Division II	1,192.46	57.54
26 54 23 00-0004	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture Without Reflector	1,201.93	57.54
26 54 23 00-0005		Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With Standard Reflector *(26 54 23 00-0001)*		
26 54 23 00-0006	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	909.05	57.54
26 54 23 00-0007	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,239.80	57.54
26 54 23 00-0008	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,249.26	57.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 23 00-0009		Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With 30 Degree Reflector *(26 54 23 00-0001)*		
26 54 23 00-0010	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	913.79	57.54
26 54 23 00-0011	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,244.53	57.54
26 54 23 00-0012	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,254.00	57.54
26 54 23 00-0013		Mogul Base, Class I Division I, Explosion Proof Fixtures *(26 54 23)*		
26 54 23 00-0014	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,011.20	57.54
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0015	EA	100 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,066.01	57.54
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0016	EA	150 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,125.99	57.54
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001		Bollards *(26 55 13)* Note: Excludes concrete base.		
26 55 13 00-0002		Aluminum Architectural Bollards *(26 55 13 00-0001)*		
26 55 13 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,532.02	37.53
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,536.44	39.74
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,540.85	41.95
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,404.58	44.16
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,532.02	37.53
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,536.44	39.74
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,540.85	41.95
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,404.58	44.16
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,532.02	37.53
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,536.44	39.74
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,540.85	41.95
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,404.58	44.16
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,532.02	37.53
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,536.44	39.74
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,540.85	41.95
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,404.58	44.16
26 55 13 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,467.42	37.53
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,471.84	39.74
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.25	41.95
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,339.38	44.16
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,467.42	37.53
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,471.84	39.74
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.25	41.95
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,339.38	44.16
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,467.42	37.53
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,471.84	39.74
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.25	41.95
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,339.38	44.16
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,467.42	37.53
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,471.84	39.74
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.25	41.95
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,339.38	44.16
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,615.91	37.53
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,620.33	39.74
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,624.74	41.95
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,487.88	44.16
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,615.91	37.53
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,620.33	39.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,624.74	41.95
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,487.88	44.16
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,615.91	37.53
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,620.33	39.74
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,624.74	41.95
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,558.07	44.16
26 55 13 00-0052		**Round, Metal Halide, Aluminum Architectural Bollards** *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,550.71	37.53
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,555.13	39.74
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,559.54	41.95
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,422.68	44.16
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,550.71	37.53
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,555.13	39.74
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,559.54	41.95
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,422.68	44.16
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,550.71	37.53
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,555.13	39.74
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,559.54	41.95
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,422.68	44.16
26 55 13 00-0065		**Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0066		**Square, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.66	37.53
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.08	39.74
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,533.49	41.95
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,398.55	44.16
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.66	37.53
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.08	39.74
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,533.49	41.95
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,398.55	44.16
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.66	37.53
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.08	39.74
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,533.49	41.95
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,398.55	44.16
26 55 13 00-0079		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,460.89	37.53
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.31	39.74
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,469.72	41.95
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,336.00	44.16
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,460.89	37.53
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.31	39.74
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,469.72	41.95
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,336.00	44.16
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,460.89	37.53
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.31	39.74
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,469.72	41.95
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,336.00	44.16
26 55 13 00-0092		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0093		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,855.79	37.53
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,860.21	39.74
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,864.62	41.95
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,731.44	44.16
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,299.74	37.53
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,304.16	39.74
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,308.57	41.95
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,173.18	44.16
26 55 13 00-0102		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,789.56	37.53
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,793.98	39.74
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,798.39	41.95
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,663.00	44.16
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,233.52	37.53
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,237.94	39.74
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,242.35	41.95
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,107.74	44.16
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,220.35	110.40
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,333.64	147.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	558.97	80.37
26 55 13 00-0116	EA	Low Voltage Walkway	447.38	44.16
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	379.04	58.96
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	355.98	44.16
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	748.44	70.65
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	846.37	70.65
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	637.46	70.65
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	657.05	70.65
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	715.80	70.65
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	709.27	70.65
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	951.74	70.65
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,075.43	70.65
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	297.23	44.16
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	277.64	44.16
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	503.08	58.96
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	246.89	35.33
26 55 13 00-0135	EA	Fluorescent Step Light	312.20	35.33
26 55 13 00-0136	EA	5 Watt, LED Step Light	536.53	35.33
26 55 13 00-0137	EA	15 Watt, LED Step Light	668.46	35.33
26 55 13 00-0138		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	587.95	58.96
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	607.53	58.96
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	698.91	88.32
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	263.42	41.07
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	402.04	64.57
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	430.48	66.90
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	473.00	69.46
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	504.13	75.07
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	441.18	69.46
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	463.26	64.57
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	468.68	66.90
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	394.31	46.02
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	426.13	46.02
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	457.96	46.02
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	517.35	51.80
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	385.00	41.34
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	342.34	64.57
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	365.58	66.90
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	399.91	69.46
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	426.71	75.07
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	375.05	69.46
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	390.17	64.57
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	395.43	66.90
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	328.18	46.02
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	353.04	46.02
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	377.90	46.02
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	426.85	51.80
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	388.65	41.34
26 55 16 00-0029		**Walkway, Adjustable** *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	384.82	58.96
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	400.52	58.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	731.39	88.32
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	339.53	44.16
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	360.46	44.16
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	750.65	33.87
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	777.35	33.87
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	824.47	33.87
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	860.59	33.87
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	978.81	43.55
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,490.43	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,121.72	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,042.29	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	561.41	29.37
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	639.75	29.37
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,687.76	44.16
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	594.05	29.37
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	685.45	29.37
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,796.79	66.24
26 55 39		**Helipad Lighting** *(26 55)*		
26 55 39 00-0001	EA	Heliport Perimeter Light, 40 Watt With Base Housing	304.13	60.48
26 55 39 00-0002	EA	Heliport Landing Direction Light, 40 Watt With Base Housing	304.13	60.48
26 55 39 00-0003	EA	Heliport Pad Insert Light, 40 Watt With Base Housing	1,182.04	60.48
26 55 39 00-0004	EA	Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights	4,704.80	161.29
26 55 39 00-0005	EA	Heliport 1 Obstruction Light, 69 Watt	320.37	50.40
26 55 39 00-0006	EA	Heliport 2 Obstruction Light, 2 - 69 Watt	426.06	60.48
26 55 39 00-0007	EA	Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light	4,561.96	780.00
26 55 39 00-0008	EA	Heliport Light Photoelectric Control	505.14	40.32
26 55 39 00-0009	EA	Heliport Air To Ground Radio Control Receiver	2,568.22	80.64
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	276.67	46.80
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	280.33	46.80
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	286.43	46.80
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	421.90	46.80
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	650.81	62.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	655.70	62.40
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	664.24	62.40
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	760.65	62.40
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	788.72	62.40
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	642.27	62.40
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	684.99	62.40
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	706.95	62.40
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	645.67	70.20
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	651.77	70.20
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	661.53	70.20
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	756.73	70.20
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	783.58	70.20
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	638.34	70.20
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	679.84	70.20
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	701.81	70.20
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	933.69	70.20
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,019.12	70.20
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,013.02	70.20
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,043.53	70.20
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	965.42	70.20
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	991.05	70.20
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,017.90	70.20
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,314.21	78.00
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,314.21	78.00
26 55 53 11-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,243.42	78.00
26 55 53 11-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,050.86	70.20
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,074.04	70.20
26 55 53 11-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,064.28	70.20
26 55 53 11-0053		Accessories For Powerflood GE Flood Lights *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	171.55	15.60
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	81.24	15.60
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	137.38	15.60
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	94.66	15.60
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	218.09	46.80
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	108.09	15.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	126.55	46.80
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	137.54	46.80
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	70.25	15.60
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	66.59	15.60
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	585.84	62.40
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	656.31	62.40
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	725.31	62.40
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	811.43	62.40
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	794.46	62.40
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	767.12	62.40
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	765.10	62.40
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	804.40	62.40
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	968.65	70.20
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	992.15	70.20
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	915.83	70.20
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	915.83	70.20
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	952.68	70.20
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	941.33	62.40
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	976.50	62.40
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,005.89	62.40
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	929.56	62.40
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	964.79	62.40
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,947.33	78.00
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,448.09	78.00
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,624.27	78.00
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	141.94	15.60
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	314.88	15.60
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	109.31	15.60
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	162.15	15.60
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	328.49	46.80
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	234.98	46.80
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	234.98	46.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	272.27	46.80
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	133.91	15.60
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	98.08	15.60
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,020.16	62.40
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*63.18*	
		For >50 To 100, Deduct	*-28.62*	
		For >100 To 250, Deduct	*-54.13*	
		For >250 To 500, Deduct	*-102.02*	
		For >500, Deduct	*-149.90*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,286.31	65.41
		For >50 To 100, Deduct	*-35.43*	
		For >100 To 250, Deduct	*-67.59*	
		For >250 To 500, Deduct	*-128.63*	
		For >500, Deduct	*-189.68*	
26 55 53 11-0113		**Flood Lights (Ruud)** *(26 55 53 11)*		
26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	369.42	46.80
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	369.42	46.80
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	369.42	46.80
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	369.42	46.80
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	369.42	46.80
26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	437.77	46.80
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	437.77	46.80
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	437.77	46.80
26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	298.64	46.80
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	315.72	46.80
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	320.60	46.80
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	325.49	46.80
26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	574.88	70.20
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	618.82	70.20
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	643.23	70.20
26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	565.12	70.20
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	570.00	70.20
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	584.64	70.20
26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	548.03	70.20
26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	704.25	70.20
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	709.13	70.20
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,315.43	78.00
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	704.25	70.20
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	709.13	70.20
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	723.78	70.20
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,154.33	78.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	532.43	62.40
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	583.69	62.40
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	583.69	62.40
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	583.69	62.40
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	583.69	62.40
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	600.78	62.40
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	600.78	62.40
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	600.78	62.40
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	573.93	62.40
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	593.45	62.40
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	644.71	62.40
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	644.71	62.40
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	644.71	62.40
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	644.71	62.40
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	661.80	62.40
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	661.80	62.40
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	661.80	62.40
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	634.95	62.40
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	818.97	70.20
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	843.38	70.20
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,376.45	78.00
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	765.27	70.20
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	770.15	70.20
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	784.80	70.20
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,215.35	78.00
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,093.31	78.00
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,347.16	78.00
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,034.72	78.00
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,186.06	78.00
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	853.14	70.20
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	877.55	70.20
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	799.44	70.20
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	804.32	70.20
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	818.97	70.20
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,249.52	78.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	67.81	15.60
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	133.72	15.60
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	84.90	15.60
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	109.31	15.60
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	176.59	46.80
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	53.17	15.60
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	143.52	46.80
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	215.52	46.80
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	511.72	15.56
		For >50 To 100, Deduct	*-13.57*	
		For >100 To 250, Deduct	*-26.36*	
		For >250 To 500, Deduct	*-51.17*	
		For >500, Deduct	*-75.98*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	647.19	15.56
		For >50 To 100, Deduct	*-16.96*	
		For >100 To 250, Deduct	*-33.14*	
		For >250 To 500, Deduct	*-64.72*	
		For >500, Deduct	*-96.30*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)*		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	813.59	15.56
		For >50 To 100, Deduct	*-21.12*	
		For >100 To 250, Deduct	*-41.46*	
		For >250 To 500, Deduct	*-81.36*	
		For >500, Deduct	*-121.26*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	967.72	53.52
		For >50 To 100, Deduct	*-26.87*	
		For >100 To 250, Deduct	*-51.06*	
		For >250 To 500, Deduct	*-96.77*	
		For >500, Deduct	*-142.48*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,064.77	56.49
		For >50 To 100, Deduct	*-29.44*	
		For >100 To 250, Deduct	*-56.06*	
		For >250 To 500, Deduct	*-106.48*	
		For >500, Deduct	*-156.89*	
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	831.41	50.55
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-23.31*	
		For >100 To 250, Deduct	*-44.10*	
		For >250 To 500, Deduct	*-83.14*	
		For >500, Deduct	*-122.18*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,068.24	53.52
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-29.38*	
		For >100 To 250, Deduct	*-56.09*	
		For >250 To 500, Deduct	*-106.82*	
		For >500, Deduct	*-157.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,305.07	56.49
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-35.45*	
		For >100 To 250, Deduct	*-68.08*	
		For >250 To 500, Deduct	*-130.51*	
		For >500, Deduct	*-192.94*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,634.55	59.47
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-43.84*	
		For >100 To 250, Deduct	*-84.70*	
		For >250 To 500, Deduct	*-163.46*	
		For >500, Deduct	*-242.21*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,871.38	62.44
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-49.91*	
		For >100 To 250, Deduct	*-96.69*	
		For >250 To 500, Deduct	*-187.14*	
		For >500, Deduct	*-277.59*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,108.20	65.41
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-55.98*	
		For >100 To 250, Deduct	*-108.68*	
		For >250 To 500, Deduct	*-210.82*	
		For >500, Deduct	*-312.96*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,418.85	68.39
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-63.89*	
		For >100 To 250, Deduct	*-124.36*	
		For >250 To 500, Deduct	*-241.89*	
		For >500, Deduct	*-359.41*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,655.66	71.36
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-69.96*	
		For >100 To 250, Deduct	*-136.35*	
		For >250 To 500, Deduct	*-265.57*	
		For >500, Deduct	*-394.78*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,015.54	65.41
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*35.72*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For >50 To 100, Deduct	*-53.66*	
		For >100 To 250, Deduct	*-104.05*	
		For >250 To 500, Deduct	*-201.55*	
		For >500, Deduct	*-299.06*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	3,484.57	80.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*54.72*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-91.13*	
		For >100 To 250, Deduct	*-178.24*	
		For >250 To 500, Deduct	*-348.46*	
		For >500, Deduct	*-518.67*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,122.78	65.41
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*25.98*	
		For Rotated Optics, Back Light Shield, Add	*25.98*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-31.34*	
		For >100 To 250, Deduct	*-59.41*	
		For >250 To 500, Deduct	*-112.28*	
		For >500, Deduct	*-165.15*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only.	1,210.31	65.41
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*25.98*	
		For Rotated Optics, Back Light Shield, Add	*25.98*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Type II Medium Or Type V Short Optics, Add	*602.16*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-33.53*	
		For >100 To 250, Deduct	*-63.79*	
		For >250 To 500, Deduct	*-121.03*	
		For >500, Deduct	*-178.28*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,560.96	80.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Front Facing Optics, Back Light Shield, Add	*31.37*	
		For Rotated Optics, Back Light Shield, Add	*31.37*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-43.04*	
		For >100 To 250, Deduct	*-82.06*	
		For >250 To 500, Deduct	*-156.10*	
		For >500, Deduct	*-230.13*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	544.37	53.52
		For >50 To 100, Deduct	*-16.29*	
		For >100 To 250, Deduct	*-29.89*	
		For >250 To 500, Deduct	*-54.44*	
		For >500, Deduct	*-78.98*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	673.66	56.49
		For >50 To 100, Deduct	*-19.67*	
		For >100 To 250, Deduct	*-36.51*	
		For >250 To 500, Deduct	*-67.37*	
		For >500, Deduct	*-98.22*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	790.23	60.96
		For >50 To 100, Deduct	*-22.80*	
		For >100 To 250, Deduct	*-42.56*	
		For >250 To 500, Deduct	*-79.02*	
		For >500, Deduct	*-115.49*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,617.13	118.93
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-46.38*	
		For >100 To 250, Deduct	*-86.80*	
		For >250 To 500, Deduct	*-161.71*	
		For >500, Deduct	*-236.62*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,704.83	118.93
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-73.57*	
		For >100 To 250, Deduct	*-141.19*	
		For >250 To 500, Deduct	*-270.48*	
		For >500, Deduct	*-399.78*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,046.21	118.93
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-132.10*	
		For >100 To 250, Deduct	*-258.26*	
		For >250 To 500, Deduct	*-504.62*	
		For >500, Deduct	*-750.98*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,515.94	77.31
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*145.78*	
		For >50 To 100, Deduct	*-41.76*	
		For >100 To 250, Deduct	*-79.66*	
		For >250 To 500, Deduct	*-151.59*	
		For >500, Deduct	*-223.53*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	1,997.33	80.27
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*117.75*	
		For >50 To 100, Deduct	*-53.95*	
		For >100 To 250, Deduct	*-103.88*	
		For >250 To 500, Deduct	*-199.73*	
		For >500, Deduct	*-295.59*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,606.55	83.25
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*95.48*	
		For >50 To 100, Deduct	*-69.33*	
		For >100 To 250, Deduct	*-134.49*	
		For >250 To 500, Deduct	*-260.66*	
		For >500, Deduct	*-386.82*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	931.05	62.40
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,006.72	62.40
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	933.49	62.40

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	998.64	62.40
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	962.79	62.40

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	879.04	62.40
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	924.19	62.40

26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	756.99	62.40

26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,271.49	78.00
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,293.46	78.00

26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,264.17	78.00
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,293.46	78.00

26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*

26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	909.28	70.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	994.72	70.20
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,308.34	93.60
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,508.50	93.60
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,518.26	93.60
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,823.37	93.60
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,696.45	93.60
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,561.10	93.60
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,432.83	93.60
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,559.75	93.60
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	526.94	53.63
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	526.94	53.63
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	526.94	53.63
26 55 61 00-0005	EA	14" Scoop Floodlight (Altman #SC14)	548.90	53.63
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	400.32	53.63
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	754.81	53.63
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,231.38	53.63
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,720.29	53.63
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	351.12	53.63
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,662.65	53.63
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	2,943.86	53.63
26 55 68		**Athletic Field Lighting** *(26 55)*		
26 55 68 00-0001		Sports Lighting System *(26 55 68)* Note: Musco.		
26 55 68 00-0002		Round Steel Tapered Poles *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,528.33	299.52
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,241.27	361.92
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,823.50	393.12
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,336.59	408.72
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,953.85	424.32
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,889.92	517.92
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,500.64	549.12
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,655.66	624.00
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,981.42	702.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,019.95	709.50
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,045.94	792.96
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,136.30	890.35
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,612.94	1,071.20
26 55 68 00-0016		Steel Pole Brackets *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	616.60	31.20
26 55 68 00-0018	EA	Three Light Bracket	770.50	43.68
26 55 68 00-0019	EA	Four Light Bracket	1,129.09	53.04
26 55 68 00-0020	EA	Five Light Bracket	1,279.04	62.40
26 55 68 00-0021	EA	Six Light Bracket	1,558.08	71.76
26 55 68 00-0022	EA	Seven Light Bracket	1,784.42	81.12
26 55 68 00-0023	EA	Eight Light Bracket	2,043.81	93.60
26 55 68 00-0024	EA	Nine Light Bracket	2,313.20	102.96
26 55 68 00-0025		Light Fixtures *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,071.11	
		For 1,500 Watt Metal Halide Lamp, Add	*16.01*	
26 55 68 00-0027		Electrical Component Enclosure *(26 55 68 00-0001)*		
		Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	962.59	28.70
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,440.05	44.16
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,656.26	55.20
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,151.25	61.82
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,427.80	66.24
26 55 68 00-0033		Accessories *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	742.77	88.92
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	1,872.65	88.92
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,324.61	88.92
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	11,832.31	266.74
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,218.20	44.16
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,306.52	88.32

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001		Poles And Standards *(26 56 13)*		
		See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002		Roadway Light Poles *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0003		Steel Roadway Light Poles *(26 56 13 00-0002)*		
		Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,291.08	187.20
		For Galvanized Finish, Add	*57.50*	
		For >10 To 20, Deduct	*-57.28*	
		For >20 To 40, Deduct	*-114.55*	
		For >40, Deduct	*-181.19*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,295.82	187.20
		For Galvanized Finish, Add	*57.64*	
		For >10 To 20, Deduct	*-57.40*	
		For >20 To 40, Deduct	*-114.79*	
		For >40, Deduct	*-181.55*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,448.69	249.60
		For Galvanized Finish, Add	*58.48*	
		For >10 To 20, Deduct	*-61.22*	
		For >20 To 40, Deduct	*-122.43*	
		For >40, Deduct	*-196.13*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,505.65	249.60
		For Galvanized Finish, Add	*60.19*	
		For >10 To 20, Deduct	*-62.64*	
		For >20 To 40, Deduct	*-125.28*	
		For >40, Deduct	*-200.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,562.62	249.60
		For Galvanized Finish, Add	*61.90*	
		For >10 To 20, Deduct	*-64.07*	
		For >20 To 40, Deduct	*-128.13*	
		For >40, Deduct	*-204.68*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,637.01	280.80
		For Galvanized Finish, Add	*62.26*	
		For >10 To 20, Deduct	*-65.93*	
		For >20 To 40, Deduct	*-131.85*	
		For >40, Deduct	*-211.82*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,664.03	280.80
		For Galvanized Finish, Add	*63.07*	
		For >10 To 20, Deduct	*-66.60*	
		For >20 To 40, Deduct	*-133.20*	
		For >40, Deduct	*-213.84*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,669.17	280.80
		For Galvanized Finish, Add	*63.23*	
		For >10 To 20, Deduct	*-66.73*	
		For >20 To 40, Deduct	*-133.46*	
		For >40, Deduct	*-214.23*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,796.26	296.41
		For Galvanized Finish, Add	*66.10*	
		For >10 To 20, Deduct	*-69.91*	
		For >20 To 40, Deduct	*-139.81*	
		For >40, Deduct	*-224.54*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,816.66	296.41
		For Galvanized Finish, Add	*66.72*	
		For >10 To 20, Deduct	*-70.42*	
		For >20 To 40, Deduct	*-140.83*	
		For >40, Deduct	*-226.07*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,838.94	296.41
		For Galvanized Finish, Add	*67.38*	
		For >10 To 20, Deduct	*-70.97*	
		For >20 To 40, Deduct	*-141.95*	
		For >40, Deduct	*-227.74*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,269.21	312.00
		For Galvanized Finish, Add	*79.36*	
		For >10 To 20, Deduct	*-81.73*	
		For >20 To 40, Deduct	*-163.46*	
		For >40, Deduct	*-260.79*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,276.48	312.00
		For Galvanized Finish, Add	*79.57*	
		For >10 To 20, Deduct	*-81.91*	
		For >20 To 40, Deduct	*-163.82*	
		For >40, Deduct	*-261.34*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,283.66	312.00
		For Galvanized Finish, Add	*79.79*	
		For >10 To 20, Deduct	*-82.09*	
		For >20 To 40, Deduct	*-164.18*	
		For >40, Deduct	*-261.87*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,870.49	218.40
		For Galvanized Finish, Add	*73.01*	
		For >10 To 20, Deduct	*-71.76*	
		For >20 To 40, Deduct	*-143.52*	
		For >40, Deduct	*-226.21*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,916.52	226.20
		For Galvanized Finish, Add	*73.92*	
		For >10 To 20, Deduct	*-72.91*	
		For >20 To 40, Deduct	*-145.83*	
		For >40, Deduct	*-230.05*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	2,955.05	234.00
		For Galvanized Finish, Add	*74.61*	
		For >10 To 20, Deduct	*-73.88*	
		For >20 To 40, Deduct	*-147.75*	
		For >40, Deduct	*-233.33*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,797.95	280.80
		For Galvanized Finish, Add	*67.09*	
		For >10 To 20, Deduct	*-69.95*	
		For >20 To 40, Deduct	*-139.90*	
		For >40, Deduct	*-223.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,825.64	288.60
		For Galvanized Finish, Add	*67.45*	
		For >10 To 20, Deduct	*-70.64*	
		For >20 To 40, Deduct	*-141.28*	
		For >40, Deduct	*-226.35*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	2,846.12	296.41
		For Galvanized Finish, Add	*67.60*	
		For >10 To 20, Deduct	*-71.15*	
		For >20 To 40, Deduct	*-142.31*	
		For >40, Deduct	*-228.28*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,009.53	312.00
		For Galvanized Finish, Add	*71.57*	
		For >10 To 20, Deduct	*-75.24*	
		For >20 To 40, Deduct	*-150.48*	
		For >40, Deduct	*-241.31*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,032.48	319.80
		For Galvanized Finish, Add	*71.79*	
		For >10 To 20, Deduct	*-75.81*	
		For >20 To 40, Deduct	*-151.62*	
		For >40, Deduct	*-243.43*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,052.73	327.60
		For Galvanized Finish, Add	*71.93*	
		For >10 To 20, Deduct	*-76.32*	
		For >20 To 40, Deduct	*-152.64*	
		For >40, Deduct	*-245.33*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,197.01	327.60
		For Galvanized Finish, Add	*76.25*	
		For >10 To 20, Deduct	*-79.93*	
		For >20 To 40, Deduct	*-159.85*	
		For >40, Deduct	*-256.16*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,244.20	335.40
		For Galvanized Finish, Add	*77.20*	
		For >10 To 20, Deduct	*-81.11*	
		For >20 To 40, Deduct	*-162.21*	
		For >40, Deduct	*-260.09*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,289.75	343.20
		For Galvanized Finish, Add	*78.10*	
		For >10 To 20, Deduct	*-82.24*	
		For >20 To 40, Deduct	*-164.49*	
		For >40, Deduct	*-263.89*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,641.89	343.20
		For Galvanized Finish, Add	*88.66*	
		For >10 To 20, Deduct	*-91.05*	
		For >20 To 40, Deduct	*-182.09*	
		For >40, Deduct	*-290.30*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,662.22	351.00
		For Galvanized Finish, Add	*88.81*	
		For >10 To 20, Deduct	*-91.56*	
		For >20 To 40, Deduct	*-183.11*	
		For >40, Deduct	*-292.22*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,682.73	358.80
		For Galvanized Finish, Add	*88.95*	
		For >10 To 20, Deduct	*-92.07*	
		For >20 To 40, Deduct	*-184.14*	
		For >40, Deduct	*-294.15*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,307.73	312.00
		For Galvanized Finish, Add	*80.51*	
		For >10 To 20, Deduct	*-82.69*	
		For >20 To 40, Deduct	*-165.39*	
		For >40, Deduct	*-263.68*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,343.75	327.60
		For Galvanized Finish, Add	*80.66*	
		For >10 To 20, Deduct	*-83.59*	
		For >20 To 40, Deduct	*-167.19*	
		For >40, Deduct	*-267.16*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	3,386.94	343.20
		For Galvanized Finish, Add	*81.02*	
		For >10 To 20, Deduct	*-84.67*	
		For >20 To 40, Deduct	*-169.35*	
		For >40, Deduct	*-271.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,490.42	343.20
		For Galvanized Finish, Add	*84.12*	
		For >10 To 20, Deduct	*-87.26*	
		For >20 To 40, Deduct	*-174.52*	
		For >40, Deduct	*-278.94*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,528.73	358.80
		For Galvanized Finish, Add	*84.33*	
		For >10 To 20, Deduct	*-88.22*	
		For >20 To 40, Deduct	*-176.44*	
		For >40, Deduct	*-282.60*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	3,564.75	374.40
		For Galvanized Finish, Add	*84.48*	
		For >10 To 20, Deduct	*-89.12*	
		For >20 To 40, Deduct	*-178.24*	
		For >40, Deduct	*-286.08*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,718.64	358.80
		For Galvanized Finish, Add	*90.03*	
		For >10 To 20, Deduct	*-92.97*	
		For >20 To 40, Deduct	*-185.93*	
		For >40, Deduct	*-296.84*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,754.65	374.40
		For Galvanized Finish, Add	*90.18*	
		For >10 To 20, Deduct	*-93.87*	
		For >20 To 40, Deduct	*-187.73*	
		For >40, Deduct	*-300.32*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	3,790.66	390.00
		For Galvanized Finish, Add	*90.32*	
		For >10 To 20, Deduct	*-94.77*	
		For >20 To 40, Deduct	*-189.53*	
		For >40, Deduct	*-303.80*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,014.58	374.40
		For Galvanized Finish, Add	*97.97*	
		For >10 To 20, Deduct	*-100.36*	
		For >20 To 40, Deduct	*-200.73*	
		For >40, Deduct	*-319.81*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,050.34	390.00
		For Galvanized Finish, Add	*98.11*	
		For >10 To 20, Deduct	*-101.26*	
		For >20 To 40, Deduct	*-202.52*	
		For >40, Deduct	*-323.28*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,091.17	405.60
		For Galvanized Finish, Add	*98.40*	
		For >10 To 20, Deduct	*-102.28*	
		For >20 To 40, Deduct	*-204.56*	
		For >40, Deduct	*-327.12*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,682.78	343.20
		For Galvanized Finish, Add	*89.89*	
		For >10 To 20, Deduct	*-92.07*	
		For >20 To 40, Deduct	*-184.14*	
		For >40, Deduct	*-293.37*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,736.76	366.60
		For Galvanized Finish, Add	*90.11*	
		For >10 To 20, Deduct	*-93.42*	
		For >20 To 40, Deduct	*-186.84*	
		For >40, Deduct	*-298.59*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	3,788.29	390.00
		For Galvanized Finish, Add	*90.25*	
		For >10 To 20, Deduct	*-94.71*	
		For >20 To 40, Deduct	*-189.41*	
		For >40, Deduct	*-303.62*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,894.94	374.40
		For Galvanized Finish, Add	*94.38*	
		For >10 To 20, Deduct	*-97.37*	
		For >20 To 40, Deduct	*-194.75*	
		For >40, Deduct	*-310.84*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,946.79	397.80
		For Galvanized Finish, Add	*94.54*	
		For >10 To 20, Deduct	*-98.67*	
		For >20 To 40, Deduct	*-197.34*	
		For >40, Deduct	*-315.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	3,970.90	421.20
		For Galvanized Finish, Add	*93.86*	
		For >10 To 20, Deduct	*-99.27*	
		For >20 To 40, Deduct	*-198.55*	
		For >40, Deduct	*-318.88*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,199.44	390.00
		For Galvanized Finish, Add	*102.58*	
		For >10 To 20, Deduct	*-104.99*	
		For >20 To 40, Deduct	*-209.97*	
		For >40, Deduct	*-334.46*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,283.78	413.40
		For Galvanized Finish, Add	*103.71*	
		For >10 To 20, Deduct	*-107.09*	
		For >20 To 40, Deduct	*-214.19*	
		For >40, Deduct	*-341.95*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,305.20	436.81
		For Galvanized Finish, Add	*102.95*	
		For >10 To 20, Deduct	*-107.63*	
		For >20 To 40, Deduct	*-215.26*	
		For >40, Deduct	*-344.73*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,387.01	405.60
		For Galvanized Finish, Add	*107.27*	
		For >10 To 20, Deduct	*-109.68*	
		For >20 To 40, Deduct	*-219.35*	
		For >40, Deduct	*-349.31*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,438.54	429.00
		For Galvanized Finish, Add	*107.42*	
		For >10 To 20, Deduct	*-110.96*	
		For >20 To 40, Deduct	*-221.93*	
		For >40, Deduct	*-354.34*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,492.52	452.40
		For Galvanized Finish, Add	*107.63*	
		For >10 To 20, Deduct	*-112.31*	
		For >20 To 40, Deduct	*-224.63*	
		For >40, Deduct	*-359.56*	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	2,624.97	249.60
		For Galvanized Finish, Add	*63.77*	
		For >10 To 20, Deduct	*-65.62*	
		For >20 To 40, Deduct	*-131.25*	
		For >40, Deduct	*-209.35*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	2,972.27	280.80
		For Galvanized Finish, Add	*72.32*	
		For >10 To 20, Deduct	*-74.31*	
		For >20 To 40, Deduct	*-148.61*	
		For >40, Deduct	*-236.96*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,043.13	296.41
		For Galvanized Finish, Add	*73.51*	
		For >10 To 20, Deduct	*-76.08*	
		For >20 To 40, Deduct	*-152.16*	
		For >40, Deduct	*-243.05*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,682.81	312.00
		For Galvanized Finish, Add	*91.76*	
		For >10 To 20, Deduct	*-92.07*	
		For >20 To 40, Deduct	*-184.14*	
		For >40, Deduct	*-291.81*	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,475.91	249.60
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-86.90*	
		For >20 To 40, Deduct	*-173.80*	
		For >40, Deduct	*-273.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,512.39	249.60
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-87.81*	
		For >20 To 40, Deduct	*-175.62*	
		For >40, Deduct	*-275.91*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,529.04	249.60
		For Galvanized Finish, Add	*90.90*	
		For >10 To 20, Deduct	*-88.23*	
		For >20 To 40, Deduct	*-176.45*	
		For >40, Deduct	*-277.16*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,574.79	280.80
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-89.37*	
		For >20 To 40, Deduct	*-178.74*	
		For >40, Deduct	*-282.15*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,581.16	280.80
		For Galvanized Finish, Add	*90.59*	
		For >10 To 20, Deduct	*-89.53*	
		For >20 To 40, Deduct	*-179.06*	
		For >40, Deduct	*-282.63*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,646.93	280.80
		For Galvanized Finish, Add	*92.56*	
		For >10 To 20, Deduct	*-91.17*	
		For >20 To 40, Deduct	*-182.35*	
		For >40, Deduct	*-287.56*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,627.62	296.41
		For Galvanized Finish, Add	*91.04*	
		For >10 To 20, Deduct	*-90.69*	
		For >20 To 40, Deduct	*-181.38*	
		For >40, Deduct	*-286.89*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,666.14	296.41
		For Galvanized Finish, Add	*92.20*	
		For >10 To 20, Deduct	*-91.65*	
		For >20 To 40, Deduct	*-183.31*	
		For >40, Deduct	*-289.78*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,868.12	296.41
		For Galvanized Finish, Add	*98.26*	
		For >10 To 20, Deduct	*-96.70*	
		For >20 To 40, Deduct	*-193.41*	
		For >40, Deduct	*-304.93*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,571.21	312.00
		For Galvanized Finish, Add	*118.42*	
		For >10 To 20, Deduct	*-114.28*	
		For >20 To 40, Deduct	*-228.56*	
		For >40, Deduct	*-358.44*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,637.34	327.60
		For Galvanized Finish, Add	*119.46*	
		For >10 To 20, Deduct	*-115.93*	
		For >20 To 40, Deduct	*-231.87*	
		For >40, Deduct	*-364.18*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	4,805.64	343.20
		For Galvanized Finish, Add	*123.58*	
		For >10 To 20, Deduct	*-120.14*	
		For >20 To 40, Deduct	*-240.28*	
		For >40, Deduct	*-377.58*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,613.37	343.20
		For Galvanized Finish, Add	*117.81*	
		For >10 To 20, Deduct	*-115.33*	
		For >20 To 40, Deduct	*-230.67*	
		For >40, Deduct	*-363.16*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,825.02	358.80
		For Galvanized Finish, Add	*123.22*	
		For >10 To 20, Deduct	*-120.63*	
		For >20 To 40, Deduct	*-241.25*	
		For >40, Deduct	*-379.82*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	4,945.01	374.40
		For Galvanized Finish, Add	*125.89*	
		For >10 To 20, Deduct	*-123.63*	
		For >20 To 40, Deduct	*-247.25*	
		For >40, Deduct	*-389.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,745.37	358.80
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-118.63*	
		For >20 To 40, Deduct	*-237.27*	
		For >40, Deduct	*-373.84*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,033.97	374.40
		For Galvanized Finish, Add	*128.55*	
		For >10 To 20, Deduct	*-125.85*	
		For >20 To 40, Deduct	*-251.70*	
		For >40, Deduct	*-396.27*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,197.36	390.00
		For Galvanized Finish, Add	*132.52*	
		For >10 To 20, Deduct	*-129.93*	
		For >20 To 40, Deduct	*-259.87*	
		For >40, Deduct	*-409.30*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,224.24	187.20
		For >10 To 20, Deduct	*-55.61*	
		For >20 To 40, Deduct	*-111.21*	
		For >40, Deduct	*-176.18*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,246.63	187.20
		For >10 To 20, Deduct	*-56.17*	
		For >20 To 40, Deduct	*-112.33*	
		For >40, Deduct	*-177.86*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,687.05	249.60
		For >10 To 20, Deduct	*-67.18*	
		For >20 To 40, Deduct	*-134.35*	
		For >40, Deduct	*-214.01*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,729.36	249.60
		For >10 To 20, Deduct	*-68.23*	
		For >20 To 40, Deduct	*-136.47*	
		For >40, Deduct	*-217.18*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,768.27	249.60
		For >10 To 20, Deduct	*-69.21*	
		For >20 To 40, Deduct	*-138.41*	
		For >40, Deduct	*-220.10*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,095.63	280.80
		For >10 To 20, Deduct	*-77.39*	
		For >20 To 40, Deduct	*-154.78*	
		For >40, Deduct	*-246.21*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,131.33	280.80
		For >10 To 20, Deduct	*-78.28*	
		For >20 To 40, Deduct	*-156.57*	
		For >40, Deduct	*-248.89*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,171.25	280.80
		For >10 To 20, Deduct	*-79.28*	
		For >20 To 40, Deduct	*-158.56*	
		For >40, Deduct	*-251.88*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,691.62	296.41
		For >10 To 20, Deduct	*-92.29*	
		For >20 To 40, Deduct	*-184.58*	
		For >40, Deduct	*-291.69*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,727.23	296.41
		For >10 To 20, Deduct	*-93.18*	
		For >20 To 40, Deduct	*-186.36*	
		For >40, Deduct	*-294.36*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,757.05	296.41
		For >10 To 20, Deduct	*-93.93*	
		For >20 To 40, Deduct	*-187.85*	
		For >40, Deduct	*-296.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0105		**Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms** *(26 56 13 00-0092)*		
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,540.87	218.40
		For >10 To 20, Deduct	*-63.52*	
		For >20 To 40, Deduct	*-127.04*	
		For >40, Deduct	*-201.49*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,760.30	218.40
		For >10 To 20, Deduct	*-69.01*	
		For >20 To 40, Deduct	*-138.02*	
		For >40, Deduct	*-217.94*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	2,834.26	234.00
		For >10 To 20, Deduct	*-70.86*	
		For >20 To 40, Deduct	*-141.71*	
		For >40, Deduct	*-224.27*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,991.64	280.80
		For >10 To 20, Deduct	*-74.79*	
		For >20 To 40, Deduct	*-149.58*	
		For >40, Deduct	*-238.41*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,146.94	288.60
		For >10 To 20, Deduct	*-78.67*	
		For >20 To 40, Deduct	*-157.35*	
		For >40, Deduct	*-250.45*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,377.74	296.41
		For >10 To 20, Deduct	*-84.44*	
		For >20 To 40, Deduct	*-168.89*	
		For >40, Deduct	*-268.15*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,477.13	312.00
		For >10 To 20, Deduct	*-86.93*	
		For >20 To 40, Deduct	*-173.86*	
		For >40, Deduct	*-276.38*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,622.32	319.80
		For >10 To 20, Deduct	*-90.56*	
		For >20 To 40, Deduct	*-181.12*	
		For >40, Deduct	*-287.66*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,802.93	327.60
		For >10 To 20, Deduct	*-95.07*	
		For >20 To 40, Deduct	*-190.15*	
		For >40, Deduct	*-301.60*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,997.04	327.60
		For >10 To 20, Deduct	*-99.93*	
		For >20 To 40, Deduct	*-199.85*	
		For >40, Deduct	*-316.16*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,416.64	335.40
		For >10 To 20, Deduct	*-110.42*	
		For >20 To 40, Deduct	*-220.83*	
		For >40, Deduct	*-348.02*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,907.18	343.20
		For >10 To 20, Deduct	*-122.68*	
		For >20 To 40, Deduct	*-245.36*	
		For >40, Deduct	*-385.20*	
26 56 13 00-0118		**Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms** *(26 56 13 00-0092)*		
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	2,956.50	249.60
		For >10 To 20, Deduct	*-73.91*	
		For >20 To 40, Deduct	*-147.83*	
		For >40, Deduct	*-234.22*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,165.20	265.20
		For >10 To 20, Deduct	*-79.13*	
		For >20 To 40, Deduct	*-158.26*	
		For >40, Deduct	*-250.65*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,578.18	312.00
		For >10 To 20, Deduct	*-89.45*	
		For >20 To 40, Deduct	*-178.91*	
		For >40, Deduct	*-283.96*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,726.76	327.60
		For >10 To 20, Deduct	*-93.17*	
		For >20 To 40, Deduct	*-186.34*	
		For >40, Deduct	*-295.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,902.69	343.20
		For >10 To 20, Deduct	*-97.57*	
		For >20 To 40, Deduct	*-195.13*	
		For >40, Deduct	*-309.86*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,034.95	358.80
		For >10 To 20, Deduct	*-100.87*	
		For >20 To 40, Deduct	*-201.75*	
		For >40, Deduct	*-320.56*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,245.11	358.80
		For >10 To 20, Deduct	*-106.13*	
		For >20 To 40, Deduct	*-212.26*	
		For >40, Deduct	*-336.32*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,649.29	374.40
		For >10 To 20, Deduct	*-116.23*	
		For >20 To 40, Deduct	*-232.46*	
		For >40, Deduct	*-367.42*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,029.23	390.00
		For >10 To 20, Deduct	*-275.73*	
		For >20 To 40, Deduct	*-551.46*	
		For >40, Deduct	*-846.69*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,018.35	280.80
		For >10 To 20, Deduct	*-75.46*	
		For >20 To 40, Deduct	*-150.92*	
		For >40, Deduct	*-240.42*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,152.71	280.80
		For >10 To 20, Deduct	*-78.82*	
		For >20 To 40, Deduct	*-157.64*	
		For >40, Deduct	*-250.49*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,911.04	343.20
		For >10 To 20, Deduct	*-97.78*	
		For >20 To 40, Deduct	*-195.55*	
		For >40, Deduct	*-310.49*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,244.27	366.60
		For >10 To 20, Deduct	*-106.11*	
		For >20 To 40, Deduct	*-212.21*	
		For >40, Deduct	*-336.65*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,442.89	374.40
		For >10 To 20, Deduct	*-111.07*	
		For >20 To 40, Deduct	*-222.14*	
		For >40, Deduct	*-351.94*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,746.37	397.80
		For >10 To 20, Deduct	*-118.66*	
		For >20 To 40, Deduct	*-237.32*	
		For >40, Deduct	*-375.87*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,687.09	390.00
		For >10 To 20, Deduct	*-117.18*	
		For >20 To 40, Deduct	*-234.35*	
		For >40, Deduct	*-371.03*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,391.65	413.40
		For >10 To 20, Deduct	*-134.79*	
		For >20 To 40, Deduct	*-269.58*	
		For >40, Deduct	*-425.04*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,009.11	436.81
		For >10 To 20, Deduct	*-150.23*	
		For >20 To 40, Deduct	*-300.46*	
		For >40, Deduct	*-472.52*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,308.74	249.60
		For >10 To 20, Deduct	*-82.72*	
		For >20 To 40, Deduct	*-165.44*	
		For >40, Deduct	*-260.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,338.66	249.60
		For >10 To 20, Deduct	*-83.47*	
		For >20 To 40, Deduct	*-166.93*	
		For >40, Deduct	*-262.88*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,415.11	249.60
		For >10 To 20, Deduct	*-85.38*	
		For >20 To 40, Deduct	*-170.76*	
		For >40, Deduct	*-268.61*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,529.83	249.60
		For >10 To 20, Deduct	*-88.25*	
		For >20 To 40, Deduct	*-176.49*	
		For >40, Deduct	*-277.22*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,725.85	280.80
		For >10 To 20, Deduct	*-93.15*	
		For >20 To 40, Deduct	*-186.29*	
		For >40, Deduct	*-293.48*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,793.31	280.80
		For >10 To 20, Deduct	*-94.83*	
		For >20 To 40, Deduct	*-189.67*	
		For >40, Deduct	*-298.54*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,865.26	280.80
		For >10 To 20, Deduct	*-96.63*	
		For >20 To 40, Deduct	*-193.26*	
		For >40, Deduct	*-303.93*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,299.27	280.80
		For >10 To 20, Deduct	*-107.48*	
		For >20 To 40, Deduct	*-214.96*	
		For >40, Deduct	*-336.49*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,065.70	296.41
		For >10 To 20, Deduct	*-101.64*	
		For >20 To 40, Deduct	*-203.29*	
		For >40, Deduct	*-319.75*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,622.59	296.41
		For >10 To 20, Deduct	*-115.56*	
		For >20 To 40, Deduct	*-231.13*	
		For >40, Deduct	*-361.51*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,676.83	296.41
		For >10 To 20, Deduct	*-116.92*	
		For >20 To 40, Deduct	*-233.84*	
		For >40, Deduct	*-365.58*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,021.18	296.41
		For >10 To 20, Deduct	*-125.53*	
		For >20 To 40, Deduct	*-251.06*	
		For >40, Deduct	*-391.41*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,335.23	296.41
		For >10 To 20, Deduct	*-133.38*	
		For >20 To 40, Deduct	*-266.76*	
		For >40, Deduct	*-414.96*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,318.08	312.00
		For >10 To 20, Deduct	*-107.95*	
		For >20 To 40, Deduct	*-215.90*	
		For >40, Deduct	*-339.46*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,425.73	327.60
		For >10 To 20, Deduct	*-110.64*	
		For >20 To 40, Deduct	*-221.29*	
		For >40, Deduct	*-348.31*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	4,506.12	343.20
		For >10 To 20, Deduct	*-112.65*	
		For >20 To 40, Deduct	*-225.31*	
		For >40, Deduct	*-355.12*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,637.17	343.20
		For >10 To 20, Deduct	*-115.93*	
		For >20 To 40, Deduct	*-231.86*	
		For >40, Deduct	*-364.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,066.87	358.80
		For >10 To 20, Deduct	*-126.67*	
		For >20 To 40, Deduct	*-253.34*	
		For >40, Deduct	*-397.96*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,884.32	374.40
		For >10 To 20, Deduct	*-147.11*	
		For >20 To 40, Deduct	*-294.22*	
		For >40, Deduct	*-460.04*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,697.47	358.80
		For >10 To 20, Deduct	*-142.44*	
		For >20 To 40, Deduct	*-284.87*	
		For >40, Deduct	*-445.25*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,792.73	374.40
		For >10 To 20, Deduct	*-144.82*	
		For >20 To 40, Deduct	*-289.64*	
		For >40, Deduct	*-453.18*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,168.44	390.00
		For >10 To 20, Deduct	*-179.21*	
		For >20 To 40, Deduct	*-358.42*	
		For >40, Deduct	*-557.13*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	2,747.18	187.20
		For >10 To 20, Deduct	*-68.68*	
		For >20 To 40, Deduct	*-137.36*	
		For >40, Deduct	*-215.40*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	2,831.70	187.20
		For >10 To 20, Deduct	*-70.79*	
		For >20 To 40, Deduct	*-141.59*	
		For >40, Deduct	*-221.74*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	2,916.41	187.20
		For >10 To 20, Deduct	*-72.91*	
		For >20 To 40, Deduct	*-145.82*	
		For >40, Deduct	*-228.09*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,217.61	249.60
		For >10 To 20, Deduct	*-80.44*	
		For >20 To 40, Deduct	*-160.88*	
		For >40, Deduct	*-253.80*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,282.03	249.60
		For >10 To 20, Deduct	*-82.05*	
		For >20 To 40, Deduct	*-164.10*	
		For >40, Deduct	*-258.63*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,352.42	249.60
		For >10 To 20, Deduct	*-83.81*	
		For >20 To 40, Deduct	*-167.62*	
		For >40, Deduct	*-263.91*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,633.16	280.80
		For >10 To 20, Deduct	*-90.83*	
		For >20 To 40, Deduct	*-181.66*	
		For >40, Deduct	*-286.53*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,720.62	280.80
		For >10 To 20, Deduct	*-93.02*	
		For >20 To 40, Deduct	*-186.03*	
		For >40, Deduct	*-293.09*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,733.75	280.80
		For >10 To 20, Deduct	*-93.34*	
		For >20 To 40, Deduct	*-186.69*	
		For >40, Deduct	*-294.07*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,975.57	296.41
		For >10 To 20, Deduct	*-99.39*	
		For >20 To 40, Deduct	*-198.78*	
		For >40, Deduct	*-312.99*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,013.93	296.41
		For >10 To 20, Deduct	*-100.35*	
		For >20 To 40, Deduct	*-200.70*	
		For >40, Deduct	*-315.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,103.87	296.41
		For >10 To 20, Deduct	*-102.60*	
		For >20 To 40, Deduct	*-205.19*	
		For >40, Deduct	*-322.61*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,090.23	109.20
		For Galvanized Finish, Add	*26.15*	
		For >10 To 20, Deduct	*-40.33*	
		For >20 To 40, Deduct	*-71.95*	
		For >40, Deduct	*-152.61*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,169.73	124.80
		For Galvanized Finish, Add	*27.60*	
		For >10 To 20, Deduct	*-43.05*	
		For >20 To 40, Deduct	*-76.89*	
		For >40, Deduct	*-162.98*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,304.78	140.40
		For Galvanized Finish, Add	*30.72*	
		For >10 To 20, Deduct	*-47.98*	
		For >20 To 40, Deduct	*-85.72*	
		For >40, Deduct	*-181.68*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,444.66	156.00
		For Galvanized Finish, Add	*33.98*	
		For >10 To 20, Deduct	*-53.11*	
		For >20 To 40, Deduct	*-94.89*	
		For >40, Deduct	*-201.10*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,524.16	171.60
		For Galvanized Finish, Add	*35.43*	
		For >10 To 20, Deduct	*-55.82*	
		For >20 To 40, Deduct	*-99.83*	
		For >40, Deduct	*-211.46*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,591.59	187.20
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-58.05*	
		For >20 To 40, Deduct	*-103.92*	
		For >40, Deduct	*-220.02*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,153.02	109.20
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-42.84*	
		For >20 To 40, Deduct	*-76.34*	
		For >40, Deduct	*-162.03*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,234.94	124.80
		For Galvanized Finish, Add	*29.56*	
		For >10 To 20, Deduct	*-45.65*	
		For >20 To 40, Deduct	*-81.45*	
		For >40, Deduct	*-172.76*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,435.19	140.40
		For Galvanized Finish, Add	*34.63*	
		For >10 To 20, Deduct	*-53.20*	
		For >20 To 40, Deduct	*-94.85*	
		For >40, Deduct	*-201.24*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,529.19	156.00
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-56.49*	
		For >20 To 40, Deduct	*-100.80*	
		For >40, Deduct	*-213.78*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,615.93	171.60
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-59.49*	
		For >20 To 40, Deduct	*-106.25*	
		For >40, Deduct	*-225.23*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,678.53	187.20
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-61.53*	
		For >20 To 40, Deduct	*-110.01*	
		For >40, Deduct	*-233.06*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,892.68	249.60
		For Galvanized Finish, Add	*41.80*	
		For >10 To 20, Deduct	*-68.22*	
		For >20 To 40, Deduct	*-122.50*	
		For >40, Deduct	*-258.94*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,153.02	109.20
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-42.84*	
		For >20 To 40, Deduct	*-76.34*	
		For >40, Deduct	*-162.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,242.19	124.80
		For Galvanized Finish, Add	*29.78*	
		For >10 To 20, Deduct	*-45.94*	
		For >20 To 40, Deduct	*-81.96*	
		For >40, Deduct	*-173.85*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,473.83	140.40
		For Galvanized Finish, Add	*35.79*	
		For >10 To 20, Deduct	*-54.74*	
		For >20 To 40, Deduct	*-97.55*	
		For >40, Deduct	*-207.03*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,536.43	156.00
		For Galvanized Finish, Add	*36.73*	
		For >10 To 20, Deduct	*-56.78*	
		For >20 To 40, Deduct	*-101.31*	
		For >40, Deduct	*-214.86*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,615.93	171.60
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-59.49*	
		For >20 To 40, Deduct	*-106.25*	
		For >40, Deduct	*-225.23*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,678.53	187.20
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-61.53*	
		For >20 To 40, Deduct	*-110.01*	
		For >40, Deduct	*-233.06*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,960.31	249.60
		For Galvanized Finish, Add	*43.83*	
		For >10 To 20, Deduct	*-70.92*	
		For >20 To 40, Deduct	*-127.24*	
		For >40, Deduct	*-269.09*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,148.29	280.80
		For Galvanized Finish, Add	*47.60*	
		For >10 To 20, Deduct	*-77.51*	
		For >20 To 40, Deduct	*-139.15*	
		For >40, Deduct	*-294.16*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,833.09	187.20
		For Galvanized Finish, Add	*43.76*	
		For >10 To 20, Deduct	*-67.71*	
		For >20 To 40, Deduct	*-120.83*	
		For >40, Deduct	*-256.24*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,991.70	249.60
		For Galvanized Finish, Add	*44.78*	
		For >10 To 20, Deduct	*-72.18*	
		For >20 To 40, Deduct	*-129.44*	
		For >40, Deduct	*-273.80*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,208.66	280.80
		For Galvanized Finish, Add	*49.41*	
		For >10 To 20, Deduct	*-79.92*	
		For >20 To 40, Deduct	*-143.37*	
		For >40, Deduct	*-303.22*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,378.89	187.20
		For Galvanized Finish, Add	*60.13*	
		For >10 To 20, Deduct	*-89.54*	
		For >20 To 40, Deduct	*-159.03*	
		For >40, Deduct	*-338.11*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,453.76	187.20
		For Galvanized Finish, Add	*62.38*	
		For >10 To 20, Deduct	*-92.53*	
		For >20 To 40, Deduct	*-164.28*	
		For >40, Deduct	*-349.34*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,742.78	249.60
		For Galvanized Finish, Add	*67.31*	
		For >10 To 20, Deduct	*-102.22*	
		For >20 To 40, Deduct	*-182.01*	
		For >40, Deduct	*-386.46*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,897.34	249.60
		For Galvanized Finish, Add	*71.94*	
		For >10 To 20, Deduct	*-108.41*	
		For >20 To 40, Deduct	*-192.83*	
		For >40, Deduct	*-409.64*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,046.69	280.80
		For Galvanized Finish, Add	*74.55*	
		For >10 To 20, Deduct	*-113.44*	
		For >20 To 40, Deduct	*-202.04*	
		For >40, Deduct	*-428.92*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,305.10	280.80
		For Galvanized Finish, Add	*82.31*	
		For >10 To 20, Deduct	*-123.78*	
		For >20 To 40, Deduct	*-220.13*	
		For >40, Deduct	*-467.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,389.43	296.41
		For Galvanized Finish, Add	*83.90*	
		For >10 To 20, Deduct	*-126.69*	
		For >20 To 40, Deduct	*-225.40*	
		For >40, Deduct	*-478.77*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,548.82	296.41
		For Galvanized Finish, Add	*88.68*	
		For >10 To 20, Deduct	*-133.06*	
		For >20 To 40, Deduct	*-236.56*	
		For >40, Deduct	*-502.68*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,930.40	296.41
		For Galvanized Finish, Add	*100.13*	
		For >10 To 20, Deduct	*-148.32*	
		For >20 To 40, Deduct	*-263.27*	
		For >40, Deduct	*-559.92*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,932.62	312.00
		For Galvanized Finish, Add	*99.26*	
		For >10 To 20, Deduct	*-147.94*	
		For >20 To 40, Deduct	*-262.80*	
		For >40, Deduct	*-558.69*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,000.24	312.00
		For Galvanized Finish, Add	*101.29*	
		For >10 To 20, Deduct	*-150.65*	
		For >20 To 40, Deduct	*-267.54*	
		For >40, Deduct	*-568.84*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,489.15	405.60
		For Galvanized Finish, Add	*140.34*	
		For >10 To 20, Deduct	*-207.40*	
		For >20 To 40, Deduct	*-368.02*	
		For >40, Deduct	*-782.81*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,599.46	468.00
		For Galvanized Finish, Add	*139.90*	
		For >10 To 20, Deduct	*-209.94*	
		For >20 To 40, Deduct	*-373.24*	
		For >40, Deduct	*-793.12*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,945.48	249.60
		For Galvanized Finish, Add	*103.39*	
		For >10 To 20, Deduct	*-150.33*	
		For >20 To 40, Deduct	*-266.20*	
		For >40, Deduct	*-566.86*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,486.06	280.80
		For Galvanized Finish, Add	*117.73*	
		For >10 To 20, Deduct	*-171.02*	
		For >20 To 40, Deduct	*-302.79*	
		For >40, Deduct	*-644.83*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,234.33	312.00
		For Galvanized Finish, Add	*138.31*	
		For >10 To 20, Deduct	*-200.01*	
		For >20 To 40, Deduct	*-353.92*	
		For >40, Deduct	*-753.95*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,242.65	405.60
		For Galvanized Finish, Add	*162.94*	
		For >10 To 20, Deduct	*-237.54*	
		For >20 To 40, Deduct	*-420.76*	
		For >40, Deduct	*-895.84*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,299.66	468.00
		For Galvanized Finish, Add	*190.91*	
		For >10 To 20, Deduct	*-277.95*	
		For >20 To 40, Deduct	*-492.26*	
		For >40, Deduct	*-1,048.15*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,282.58	468.00
		For Galvanized Finish, Add	*220.40*	
		For >10 To 20, Deduct	*-317.26*	
		For >20 To 40, Deduct	*-561.06*	
		For >40, Deduct	*-1,195.59*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	11,567.05	468.00
		For Galvanized Finish, Add	*318.93*	
		For >10 To 20, Deduct	*-448.64*	
		For >20 To 40, Deduct	*-790.97*	
		For >40, Deduct	*-1,688.26*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	13,160.98	468.00
		For Galvanized Finish, Add	*366.75*	
		For >10 To 20, Deduct	*-512.40*	
		For >20 To 40, Deduct	*-902.55*	
		For >40, Deduct	*-1,927.35*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,070.91	109.20
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-39.56*	
		For >20 To 40, Deduct	*-70.60*	
		For >40, Deduct	*-149.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,102.11	124.80
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-40.34*	
		For >20 To 40, Deduct	*-72.16*	
		For >40, Deduct	*-152.84*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,174.37	140.40
		For Galvanized Finish, Add	*26.81*	
		For >10 To 20, Deduct	*-42.76*	
		For >20 To 40, Deduct	*-76.59*	
		For >40, Deduct	*-162.12*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,247.94	148.20
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-45.47*	
		For >20 To 40, Deduct	*-81.43*	
		For >40, Deduct	*-172.37*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,263.53	156.00
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-45.86*	
		For >20 To 40, Deduct	*-82.21*	
		For >40, Deduct	*-173.93*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,321.30	171.60
		For Galvanized Finish, Add	*29.34*	
		For >10 To 20, Deduct	*-47.70*	
		For >20 To 40, Deduct	*-85.63*	
		For >40, Deduct	*-181.04*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,374.23	187.20
		For Galvanized Finish, Add	*29.99*	
		For >10 To 20, Deduct	*-49.35*	
		For >20 To 40, Deduct	*-88.71*	
		For >40, Deduct	*-187.41*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,643.93	249.60
		For Galvanized Finish, Add	*34.34*	
		For >10 To 20, Deduct	*-58.27*	
		For >20 To 40, Deduct	*-105.09*	
		For >40, Deduct	*-221.63*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,700.26	187.20
		For Galvanized Finish, Add	*39.78*	
		For >10 To 20, Deduct	*-62.39*	
		For >20 To 40, Deduct	*-111.53*	
		For >40, Deduct	*-236.32*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,093.13	249.60
		For Galvanized Finish, Add	*47.82*	
		For >10 To 20, Deduct	*-76.24*	
		For >20 To 40, Deduct	*-136.54*	
		For >40, Deduct	*-289.01*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,418.77	280.80
		For Galvanized Finish, Add	*55.72*	
		For >10 To 20, Deduct	*-88.33*	
		For >20 To 40, Deduct	*-158.08*	
		For >40, Deduct	*-334.74*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,610.91	187.20
		For Galvanized Finish, Add	*37.10*	
		For >10 To 20, Deduct	*-58.82*	
		For >20 To 40, Deduct	*-105.28*	
		For >40, Deduct	*-222.92*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,919.25	249.60
		For Galvanized Finish, Add	*42.60*	
		For >10 To 20, Deduct	*-69.28*	
		For >20 To 40, Deduct	*-124.36*	
		For >40, Deduct	*-262.93*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,269.04	280.80
		For Galvanized Finish, Add	*51.22*	
		For >10 To 20, Deduct	*-82.34*	
		For >20 To 40, Deduct	*-147.60*	
		For >40, Deduct	*-312.28*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,917.62	187.20
		For Galvanized Finish, Add	*46.30*	
		For >10 To 20, Deduct	*-71.09*	
		For >20 To 40, Deduct	*-126.75*	
		For >40, Deduct	*-268.92*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,310.49	249.60
		For Galvanized Finish, Add	*54.34*	
		For >10 To 20, Deduct	*-84.93*	
		For >20 To 40, Deduct	*-151.75*	
		For >40, Deduct	*-321.61*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,624.05	280.80
		For Galvanized Finish, Add	*61.87*	
		For >10 To 20, Deduct	*-96.54*	
		For >20 To 40, Deduct	*-172.45*	
		For >40, Deduct	*-365.53*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,954.72	296.41
		For Galvanized Finish, Add	*70.86*	
		For >10 To 20, Deduct	*-109.30*	
		For >20 To 40, Deduct	*-194.97*	
		For >40, Deduct	*-413.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,099.82	280.80
		For Galvanized Finish, Add	*76.15*	
		For >10 To 20, Deduct	*-115.57*	
		For >20 To 40, Deduct	*-205.76*	
		For >40, Deduct	*-436.89*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,432.90	296.41
		For Galvanized Finish, Add	*85.20*	
		For >10 To 20, Deduct	*-128.42*	
		For >20 To 40, Deduct	*-228.45*	
		For >40, Deduct	*-485.30*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,635.57	312.00
		For Galvanized Finish, Add	*90.35*	
		For >10 To 20, Deduct	*-136.06*	
		For >20 To 40, Deduct	*-242.01*	
		For >40, Deduct	*-514.14*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,379.06	187.20
		For Galvanized Finish, Add	*120.14*	
		For >10 To 20, Deduct	*-169.55*	
		For >20 To 40, Deduct	*-299.05*	
		For >40, Deduct	*-638.14*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,776.14	249.60
		For Galvanized Finish, Add	*128.31*	
		For >10 To 20, Deduct	*-183.56*	
		For >20 To 40, Deduct	*-324.35*	
		For >40, Deduct	*-691.46*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,872.98	280.80
		For Galvanized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-266.50*	
		For >20 To 40, Deduct	*-469.88*	
		For >40, Deduct	*-1,002.87*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,476.67	187.20
		For Galvanized Finish, Add	*123.07*	
		For >10 To 20, Deduct	*-173.45*	
		For >20 To 40, Deduct	*-305.88*	
		For >40, Deduct	*-652.78*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,343.83	249.60
		For Galvanized Finish, Add	*145.34*	
		For >10 To 20, Deduct	*-206.27*	
		For >20 To 40, Deduct	*-364.08*	
		For >40, Deduct	*-776.61*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,718.10	280.80
		For Galvanized Finish, Add	*214.70*	
		For >10 To 20, Deduct	*-300.30*	
		For >20 To 40, Deduct	*-529.04*	
		For >40, Deduct	*-1,129.64*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,928.35	296.41
		For Galvanized Finish, Add	*250.07*	
		For >10 To 20, Deduct	*-348.24*	
		For >20 To 40, Deduct	*-613.13*	
		For >40, Deduct	*-1,309.61*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,595.83	312.00
		For Galvanized Finish, Add	*299.15*	
		For >10 To 20, Deduct	*-414.47*	
		For >20 To 40, Deduct	*-729.23*	
		For >40, Deduct	*-1,558.17*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,224.93	187.20
		For Galvanized Finish, Add	*115.52*	
		For >10 To 20, Deduct	*-163.38*	
		For >20 To 40, Deduct	*-288.26*	
		For >40, Deduct	*-615.02*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,529.55	249.60
		For Galvanized Finish, Add	*120.91*	
		For >10 To 20, Deduct	*-173.69*	
		For >20 To 40, Deduct	*-307.08*	
		For >40, Deduct	*-654.47*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,438.87	280.80
		For Galvanized Finish, Add	*176.32*	
		For >10 To 20, Deduct	*-249.13*	
		For >20 To 40, Deduct	*-439.49*	
		For >40, Deduct	*-937.75*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,402.18	187.20
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-170.47*	
		For >20 To 40, Deduct	*-300.66*	
		For >40, Deduct	*-641.61*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,112.65	249.60
		For Galvanized Finish, Add	*138.40*	
		For >10 To 20, Deduct	*-197.02*	
		For >20 To 40, Deduct	*-347.90*	
		For >40, Deduct	*-741.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	7,397.00	280.80
		For Galvanized Finish, Add	*205.06*	
		For >10 To 20, Deduct	*-287.46*	
		For >20 To 40, Deduct	*-506.56*	
		For >40, Deduct	*-1,081.47*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,674.46	187.20
		For Galvanized Finish, Add	*129.00*	
		For >10 To 20, Deduct	*-181.36*	
		For >20 To 40, Deduct	*-319.72*	
		For >40, Deduct	*-682.45*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,603.28	249.60
		For Galvanized Finish, Add	*153.12*	
		For >10 To 20, Deduct	*-216.64*	
		For >20 To 40, Deduct	*-382.25*	
		For >40, Deduct	*-815.53*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,974.97	280.80
		For Galvanized Finish, Add	*222.40*	
		For >10 To 20, Deduct	*-310.57*	
		For >20 To 40, Deduct	*-547.02*	
		For >40, Deduct	*-1,168.17*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,241.73	296.41
		For Galvanized Finish, Add	*259.47*	
		For >10 To 20, Deduct	*-360.78*	
		For >20 To 40, Deduct	*-635.07*	
		For >40, Deduct	*-1,356.62*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,762.80	312.00
		For Galvanized Finish, Add	*304.16*	
		For >10 To 20, Deduct	*-421.15*	
		For >20 To 40, Deduct	*-740.92*	
		For >40, Deduct	*-1,583.22*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,192.76	187.20
		For Galvanized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-122.09*	
		For >20 To 40, Deduct	*-216.01*	
		For >40, Deduct	*-460.19*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,815.06	249.60
		For Galvanized Finish, Add	*99.48*	
		For >10 To 20, Deduct	*-145.11*	
		For >20 To 40, Deduct	*-257.07*	
		For >40, Deduct	*-547.30*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,237.31	280.80
		For Galvanized Finish, Add	*110.27*	
		For >10 To 20, Deduct	*-161.07*	
		For >20 To 40, Deduct	*-285.38*	
		For >40, Deduct	*-607.52*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,744.27	296.41
		For Galvanized Finish, Add	*124.54*	
		For >10 To 20, Deduct	*-180.88*	
		For >20 To 40, Deduct	*-320.24*	
		For >40, Deduct	*-682.00*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,002.49	312.00
		For Galvanized Finish, Add	*131.35*	
		For >10 To 20, Deduct	*-190.74*	
		For >20 To 40, Deduct	*-337.69*	
		For >40, Deduct	*-719.17*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,277.12	187.20
		For Galvanized Finish, Add	*117.08*	
		For >10 To 20, Deduct	*-165.47*	
		For >20 To 40, Deduct	*-291.91*	
		For >40, Deduct	*-622.85*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,665.16	249.60
		For Galvanized Finish, Add	*124.98*	
		For >10 To 20, Deduct	*-179.12*	
		For >20 To 40, Deduct	*-316.58*	
		For >40, Deduct	*-674.81*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,932.84	280.80
		For Galvanized Finish, Add	*131.14*	
		For >10 To 20, Deduct	*-188.89*	
		For >20 To 40, Deduct	*-334.07*	
		For >40, Deduct	*-711.85*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,570.41	280.80
		For Galvanized Finish, Add	*150.26*	
		For >10 To 20, Deduct	*-214.39*	
		For >20 To 40, Deduct	*-378.70*	
		For >40, Deduct	*-807.48*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,060.47	296.41
		For Galvanized Finish, Add	*164.03*	
		For >10 To 20, Deduct	*-233.53*	
		For >20 To 40, Deduct	*-412.38*	
		For >40, Deduct	*-879.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,850.19	296.41
		For Galvanized Finish, Add	*187.72*	
		For >10 To 20, Deduct	*-265.12*	
		For >20 To 40, Deduct	*-467.66*	
		For >40, Deduct	*-997.89*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,127.90	312.00
		For Galvanized Finish, Add	*165.12*	
		For >10 To 20, Deduct	*-235.76*	
		For >20 To 40, Deduct	*-416.47*	
		For >40, Deduct	*-887.99*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,072.01	312.00
		For Galvanized Finish, Add	*223.44*	
		For >10 To 20, Deduct	*-313.52*	
		For >20 To 40, Deduct	*-552.56*	
		For >40, Deduct	*-1,179.60*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,133.80	405.60
		For Galvanized Finish, Add	*189.68*	
		For >10 To 20, Deduct	*-273.18*	
		For >20 To 40, Deduct	*-483.14*	
		For >40, Deduct	*-1,029.51*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,459.66	405.60
		For Galvanized Finish, Add	*229.45*	
		For >10 To 20, Deduct	*-326.22*	
		For >20 To 40, Deduct	*-575.95*	
		For >40, Deduct	*-1,228.39*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,652.08	468.00
		For Galvanized Finish, Add	*231.48*	
		For >10 To 20, Deduct	*-332.04*	
		For >20 To 40, Deduct	*-586.93*	
		For >40, Deduct	*-1,251.01*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	85.62
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	127.34
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	129.53

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	597.32	93.60
		For Bronze Or Satin Anodized Finish, Add	*41.01*	
		For Black Anodized Finish, Add	*82.02*	
		For >10 To 20, Deduct	*-21.08*	
		For >20 To 40, Deduct	*-38.07*	
		For >40, Deduct	*-80.24*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	649.56	109.20
		For Bronze Or Satin Anodized Finish, Add	*43.12*	
		For Black Anodized Finish, Add	*86.23*	
		For >10 To 20, Deduct	*-22.71*	
		For >20 To 40, Deduct	*-41.10*	
		For >40, Deduct	*-86.51*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	707.05	124.80
		For Bronze Or Satin Anodized Finish, Add	*45.75*	
		For Black Anodized Finish, Add	*91.49*	
		For >10 To 20, Deduct	*-24.54*	
		For >20 To 40, Deduct	*-44.50*	
		For >40, Deduct	*-93.58*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	765.59	140.40
		For Bronze Or Satin Anodized Finish, Add	*48.48*	
		For Black Anodized Finish, Add	*96.96*	
		For >10 To 20, Deduct	*-26.41*	
		For >20 To 40, Deduct	*-47.98*	
		For >40, Deduct	*-100.80*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	799.07	148.20
		For Bronze Or Satin Anodized Finish, Add	*50.27*	
		For Black Anodized Finish, Add	*100.53*	
		For >10 To 20, Deduct	*-27.52*	
		For >20 To 40, Deduct	*-50.01*	
		For >40, Deduct	*-105.04*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	831.49	156.00
		For Bronze Or Satin Anodized Finish, Add	*51.95*	
		For Black Anodized Finish, Add	*103.90*	
		For >10 To 20, Deduct	*-28.58*	
		For >20 To 40, Deduct	*-51.96*	
		For >40, Deduct	*-109.12*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	894.59	156.00
		For Bronze Or Satin Anodized Finish, Add	*58.26*	
		For Black Anodized Finish, Add	*116.52*	
		For >10 To 20, Deduct	*-31.10*	
		For >20 To 40, Deduct	*-56.38*	
		For >40, Deduct	*-118.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	965.75	171.60
		For Bronze Or Satin Anodized Finish, Add	*62.26*	
		For Black Anodized Finish, Add	*124.51*	
		For >10 To 20, Deduct	*-33.48*	
		For >20 To 40, Deduct	*-60.74*	
		For >40, Deduct	*-127.70*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,030.60	187.20
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.24*	
		For >10 To 20, Deduct	*-35.61*	
		For >20 To 40, Deduct	*-64.65*	
		For >40, Deduct	*-135.87*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,031.48	148.20
		For Bronze Or Satin Anodized Finish, Add	*73.51*	
		For Black Anodized Finish, Add	*147.01*	
		For >10 To 20, Deduct	*-36.81*	
		For >20 To 40, Deduct	*-66.28*	
		For >40, Deduct	*-139.90*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,263.00	187.20
		For Bronze Or Satin Anodized Finish, Add	*88.86*	
		For Black Anodized Finish, Add	*177.72*	
		For >10 To 20, Deduct	*-44.90*	
		For >20 To 40, Deduct	*-80.92*	
		For >40, Deduct	*-170.73*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,380.78	187.20
		For Bronze Or Satin Anodized Finish, Add	*100.64*	
		For Black Anodized Finish, Add	*201.28*	
		For >10 To 20, Deduct	*-49.62*	
		For >20 To 40, Deduct	*-89.17*	
		For >40, Deduct	*-188.40*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,616.00	249.60
		For Bronze Or Satin Anodized Finish, Add	*111.68*	
		For Black Anodized Finish, Add	*223.36*	
		For >10 To 20, Deduct	*-57.15*	
		For >20 To 40, Deduct	*-103.14*	
		For >40, Deduct	*-217.44*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,887.67	280.80
		For Bronze Or Satin Anodized Finish, Add	*132.61*	
		For Black Anodized Finish, Add	*265.21*	
		For >10 To 20, Deduct	*-67.08*	
		For >20 To 40, Deduct	*-120.90*	
		For >40, Deduct	*-255.07*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,103.16	187.20
		For Bronze Or Satin Anodized Finish, Add	*72.88*	
		For Black Anodized Finish, Add	*145.75*	
		For >10 To 20, Deduct	*-38.51*	
		For >20 To 40, Deduct	*-69.73*	
		For >40, Deduct	*-146.75*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,371.32	187.20
		For Bronze Or Satin Anodized Finish, Add	*99.69*	
		For Black Anodized Finish, Add	*199.38*	
		For >10 To 20, Deduct	*-49.24*	
		For >20 To 40, Deduct	*-88.50*	
		For >40, Deduct	*-186.98*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,599.17	249.60
		For Bronze Or Satin Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*219.99*	
		For >10 To 20, Deduct	*-56.48*	
		For >20 To 40, Deduct	*-101.96*	
		For >40, Deduct	*-214.92*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,751.66	249.60
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-62.58*	
		For >20 To 40, Deduct	*-112.63*	
		For >40, Deduct	*-237.79*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,060.13	280.80
		For Bronze Or Satin Anodized Finish, Add	*149.85*	
		For Black Anodized Finish, Add	*299.71*	
		For >10 To 20, Deduct	*-73.98*	
		For >20 To 40, Deduct	*-132.98*	
		For >40, Deduct	*-280.94*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	704.59	93.60
		For Bronze, Satin Or Black Anodized Finish, Add	*77.61*	
		For >10 To 20, Deduct	*-25.38*	
		For >20 To 40, Deduct	*-45.58*	
		For >40, Deduct	*-96.33*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	777.85	109.20
		For Bronze, Satin Or Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-27.84*	
		For >20 To 40, Deduct	*-50.08*	
		For >40, Deduct	*-105.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	846.91	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*89.60*	
		For >10 To 20, Deduct	*-30.13*	
		For >20 To 40, Deduct	*-54.29*	
		For >40, Deduct	*-114.56*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	895.99	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*92.28*	
		For >10 To 20, Deduct	*-31.63*	
		For >20 To 40, Deduct	*-57.10*	
		For >40, Deduct	*-120.36*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	957.68	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*96.85*	
		For >10 To 20, Deduct	*-33.63*	
		For >20 To 40, Deduct	*-60.80*	
		For >40, Deduct	*-128.05*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	799.93	109.20
		For Bronze, Satin Or Black Anodized Finish, Add	*87.23*	
		For >10 To 20, Deduct	*-28.72*	
		For >20 To 40, Deduct	*-51.63*	
		For >40, Deduct	*-109.07*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	866.89	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*92.59*	
		For >10 To 20, Deduct	*-30.93*	
		For >20 To 40, Deduct	*-55.69*	
		For >40, Deduct	*-117.55*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	937.00	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-33.27*	
		For >20 To 40, Deduct	*-59.97*	
		For >40, Deduct	*-126.51*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,006.06	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*104.11*	
		For >10 To 20, Deduct	*-35.56*	
		For >20 To 40, Deduct	*-64.18*	
		For >40, Deduct	*-135.31*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,080.37	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-38.07*	
		For >20 To 40, Deduct	*-68.76*	
		For >40, Deduct	*-144.90*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,148.38	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*116.10*	
		For >10 To 20, Deduct	*-40.32*	
		For >20 To 40, Deduct	*-72.90*	
		For >40, Deduct	*-153.54*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	907.90	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*98.75*	
		For >10 To 20, Deduct	*-32.57*	
		For >20 To 40, Deduct	*-58.56*	
		For >40, Deduct	*-123.71*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	985.37	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*105.69*	
		For >10 To 20, Deduct	*-35.20*	
		For >20 To 40, Deduct	*-63.36*	
		For >40, Deduct	*-133.77*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,061.79	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*112.47*	
		For >10 To 20, Deduct	*-37.79*	
		For >20 To 40, Deduct	*-68.09*	
		For >40, Deduct	*-143.67*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,140.31	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*119.57*	
		For >10 To 20, Deduct	*-40.46*	
		For >20 To 40, Deduct	*-72.96*	
		For >40, Deduct	*-153.89*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,120.68	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*121.30*	
		For >10 To 20, Deduct	*-40.15*	
		For >20 To 40, Deduct	*-72.21*	
		For >40, Deduct	*-152.50*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,286.14	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*136.76*	
		For >10 To 20, Deduct	*-45.83*	
		For >20 To 40, Deduct	*-82.54*	
		For >40, Deduct	*-174.20*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	946.81	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*104.58*	
		For >10 To 20, Deduct	*-34.13*	
		For >20 To 40, Deduct	*-61.28*	
		For >40, Deduct	*-129.54*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,035.85	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*113.26*	
		For >10 To 20, Deduct	*-37.22*	
		For >20 To 40, Deduct	*-66.89*	
		For >40, Deduct	*-141.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,114.37	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*120.36*	
		For >10 To 20, Deduct	*-39.89*	
		For >20 To 40, Deduct	*-71.77*	
		For >40, Deduct	*-151.56*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,199.20	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-42.82*	
		For >20 To 40, Deduct	*-77.08*	
		For >40, Deduct	*-162.72*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,280.88	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*135.97*	
		For >10 To 20, Deduct	*-45.62*	
		For >20 To 40, Deduct	*-82.17*	
		For >40, Deduct	*-173.41*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,191.14	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*131.87*	
		For >10 To 20, Deduct	*-42.97*	
		For >20 To 40, Deduct	*-77.14*	
		For >40, Deduct	*-163.07*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,285.43	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*141.33*	
		For >10 To 20, Deduct	*-46.27*	
		For >20 To 40, Deduct	*-83.12*	
		For >40, Deduct	*-175.65*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,313.48	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*140.86*	
		For >10 To 20, Deduct	*-46.92*	
		For >20 To 40, Deduct	*-84.46*	
		For >40, Deduct	*-178.30*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	542.99	78.00
		For Bronze Or Satin Anodized Finish, Add	*38.70*	
		For Black Anodized Finish, Add	*77.40*	
		For >10 To 20, Deduct	*-19.38*	
		For >20 To 40, Deduct	*-34.89*	
		For >40, Deduct	*-73.65*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	578.57	85.80
		For Bronze Or Satin Anodized Finish, Add	*40.70*	
		For Black Anodized Finish, Add	*81.39*	
		For >10 To 20, Deduct	*-20.57*	
		For >20 To 40, Deduct	*-37.07*	
		For >40, Deduct	*-78.21*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	641.49	93.60
		For Bronze Or Satin Anodized Finish, Add	*45.43*	
		For Black Anodized Finish, Add	*90.86*	
		For >10 To 20, Deduct	*-22.85*	
		For >20 To 40, Deduct	*-41.16*	
		For >40, Deduct	*-86.86*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	665.68	93.60
		For Bronze Or Satin Anodized Finish, Add	*47.85*	
		For Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-23.82*	
		For >20 To 40, Deduct	*-42.85*	
		For >40, Deduct	*-90.49*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	696.17	93.60
		For Bronze Or Satin Anodized Finish, Add	*50.90*	
		For Black Anodized Finish, Add	*101.79*	
		For >10 To 20, Deduct	*-25.04*	
		For >20 To 40, Deduct	*-44.99*	
		For >40, Deduct	*-95.07*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	804.32	101.40
		For Bronze Or Satin Anodized Finish, Add	*60.15*	
		For Black Anodized Finish, Add	*120.30*	
		For >10 To 20, Deduct	*-29.13*	
		For >20 To 40, Deduct	*-52.25*	
		For >40, Deduct	*-110.51*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	858.82	109.20
		For Bronze Or Satin Anodized Finish, Add	*64.04*	
		For Black Anodized Finish, Add	*128.08*	
		For >10 To 20, Deduct	*-31.08*	
		For >20 To 40, Deduct	*-55.75*	
		For >40, Deduct	*-117.90*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,021.82	109.20
		For Bronze Or Satin Anodized Finish, Add	*80.34*	
		For Black Anodized Finish, Add	*160.68*	
		For >10 To 20, Deduct	*-37.60*	
		For >20 To 40, Deduct	*-67.16*	
		For >40, Deduct	*-142.35*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,262.29	124.80
		For Bronze Or Satin Anodized Finish, Add	*101.27*	
		For Black Anodized Finish, Add	*202.54*	
		For >10 To 20, Deduct	*-46.75*	
		For >20 To 40, Deduct	*-83.37*	
		For >40, Deduct	*-176.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,434.41	140.40
		For Bronze Or Satin Anodized Finish, Add	*115.36*	
		For Black Anodized Finish, Add	*230.72*	
		For >10 To 20, Deduct	*-53.16*	
		For >20 To 40, Deduct	*-94.79*	
		For >40, Deduct	*-201.12*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,626.85	140.40
		For Bronze Or Satin Anodized Finish, Add	*134.61*	
		For Black Anodized Finish, Add	*269.21*	
		For >10 To 20, Deduct	*-60.86*	
		For >20 To 40, Deduct	*-108.26*	
		For >40, Deduct	*-229.99*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	484.80	93.60
		For Bronze Or Satin Anodized Finish, Add	*29.76*	
		For Black Anodized Finish, Add	*59.52*	
		For >10 To 20, Deduct	*-16.58*	
		For >20 To 40, Deduct	*-30.19*	
		For >40, Deduct	*-63.36*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	540.19	109.20
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.36*	
		For >10 To 20, Deduct	*-18.33*	
		For >20 To 40, Deduct	*-33.45*	
		For >40, Deduct	*-70.11*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	595.58	124.80
		For Bronze Or Satin Anodized Finish, Add	*34.60*	
		For Black Anodized Finish, Add	*69.20*	
		For >10 To 20, Deduct	*-20.08*	
		For >20 To 40, Deduct	*-36.70*	
		For >40, Deduct	*-76.86*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	660.43	140.40
		For Bronze Or Satin Anodized Finish, Add	*37.96*	
		For Black Anodized Finish, Add	*75.93*	
		For >10 To 20, Deduct	*-22.21*	
		For >20 To 40, Deduct	*-40.61*	
		For >40, Deduct	*-85.02*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	724.23	156.00
		For Bronze Or Satin Anodized Finish, Add	*41.22*	
		For Black Anodized Finish, Add	*82.45*	
		For >10 To 20, Deduct	*-24.29*	
		For >20 To 40, Deduct	*-44.46*	
		For >40, Deduct	*-93.03*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	567.53	109.20
		For Bronze Or Satin Anodized Finish, Add	*34.91*	
		For Black Anodized Finish, Add	*69.83*	
		For >10 To 20, Deduct	*-19.43*	
		For >20 To 40, Deduct	*-35.36*	
		For >40, Deduct	*-74.21*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	638.69	124.80
		For Bronze Or Satin Anodized Finish, Add	*38.91*	
		For Black Anodized Finish, Add	*77.82*	
		For >10 To 20, Deduct	*-21.80*	
		For >20 To 40, Deduct	*-39.72*	
		For >40, Deduct	*-83.32*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	706.70	140.40
		For Bronze Or Satin Anodized Finish, Add	*42.59*	
		For Black Anodized Finish, Add	*85.18*	
		For >10 To 20, Deduct	*-24.06*	
		For >20 To 40, Deduct	*-43.85*	
		For >40, Deduct	*-91.97*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	835.35	171.60
		For Bronze Or Satin Anodized Finish, Add	*49.22*	
		For Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-28.27*	
		For >20 To 40, Deduct	*-51.61*	
		For >40, Deduct	*-108.14*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	892.84	187.20
		For Bronze Or Satin Anodized Finish, Add	*51.84*	
		For Black Anodized Finish, Add	*103.69*	
		For >10 To 20, Deduct	*-30.10*	
		For >20 To 40, Deduct	*-55.01*	
		For >40, Deduct	*-115.21*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	677.60	124.80
		For Bronze Or Satin Anodized Finish, Add	*42.80*	
		For Black Anodized Finish, Add	*85.60*	
		For >10 To 20, Deduct	*-23.36*	
		For >20 To 40, Deduct	*-42.44*	
		For >40, Deduct	*-89.16*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	751.92	140.40
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-25.86*	
		For >20 To 40, Deduct	*-47.02*	
		For >40, Deduct	*-98.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	833.59	156.00
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-28.66*	
		For >20 To 40, Deduct	*-52.11*	
		For >40, Deduct	*-109.44*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	896.34	171.60
		For Bronze Or Satin Anodized Finish, Add	*55.31*	
		For Black Anodized Finish, Add	*110.63*	
		For >10 To 20, Deduct	*-30.71*	
		For >20 To 40, Deduct	*-55.88*	
		For >40, Deduct	*-117.29*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	973.81	187.20
		For Bronze Or Satin Anodized Finish, Add	*59.94*	
		For Black Anodized Finish, Add	*119.88*	
		For >10 To 20, Deduct	*-33.34*	
		For >20 To 40, Deduct	*-60.68*	
		For >40, Deduct	*-127.35*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	936.65	156.00
		For Bronze Or Satin Anodized Finish, Add	*62.47*	
		For Black Anodized Finish, Add	*124.93*	
		For >10 To 20, Deduct	*-32.79*	
		For >20 To 40, Deduct	*-59.33*	
		For >40, Deduct	*-124.90*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,027.79	171.60
		For Bronze Or Satin Anodized Finish, Add	*68.46*	
		For Black Anodized Finish, Add	*136.92*	
		For >10 To 20, Deduct	*-35.96*	
		For >20 To 40, Deduct	*-65.08*	
		For >40, Deduct	*-137.01*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,075.82	187.20
		For Bronze Or Satin Anodized Finish, Add	*70.14*	
		For Black Anodized Finish, Add	*140.28*	
		For >10 To 20, Deduct	*-37.42*	
		For >20 To 40, Deduct	*-67.82*	
		For >40, Deduct	*-142.65*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,231.82	218.40
		For Bronze Or Satin Anodized Finish, Add	*79.50*	
		For Black Anodized Finish, Add	*159.00*	
		For >10 To 20, Deduct	*-42.72*	
		For >20 To 40, Deduct	*-77.49*	
		For >40, Deduct	*-162.93*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,394.11	249.60
		For Bronze Or Satin Anodized Finish, Add	*89.49*	
		For Black Anodized Finish, Add	*178.98*	
		For >10 To 20, Deduct	*-48.28*	
		For >20 To 40, Deduct	*-87.60*	
		For >40, Deduct	*-184.16*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,130.85	171.60
		For Bronze Or Satin Anodized Finish, Add	*78.77*	
		For Black Anodized Finish, Add	*157.53*	
		For >10 To 20, Deduct	*-40.09*	
		For >20 To 40, Deduct	*-72.30*	
		For >40, Deduct	*-152.47*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,200.96	187.20
		For Bronze Or Satin Anodized Finish, Add	*82.66*	
		For Black Anodized Finish, Add	*165.31*	
		For >10 To 20, Deduct	*-42.42*	
		For >20 To 40, Deduct	*-76.58*	
		For >40, Deduct	*-161.42*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,330.67	218.40
		For Bronze Or Satin Anodized Finish, Add	*89.39*	
		For Black Anodized Finish, Add	*178.77*	
		For >10 To 20, Deduct	*-46.67*	
		For >20 To 40, Deduct	*-84.41*	
		For >40, Deduct	*-177.76*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,469.83	249.60
		For Bronze Or Satin Anodized Finish, Add	*97.06*	
		For Black Anodized Finish, Add	*194.13*	
		For >10 To 20, Deduct	*-51.31*	
		For >20 To 40, Deduct	*-92.90*	
		For >40, Deduct	*-195.51*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,586.21	265.20
		For Bronze Or Satin Anodized Finish, Add	*105.58*	
		For Black Anodized Finish, Add	*211.16*	
		For >10 To 20, Deduct	*-55.49*	
		For >20 To 40, Deduct	*-100.43*	
		For >40, Deduct	*-211.41*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,704.69	280.80
		For Bronze Or Satin Anodized Finish, Add	*114.31*	
		For Black Anodized Finish, Add	*228.62*	
		For >10 To 20, Deduct	*-59.76*	
		For >20 To 40, Deduct	*-108.10*	
		For >40, Deduct	*-227.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,428.47	218.40
		For Bronze Or Satin Anodized Finish, Add	*99.17*	
		For Black Anodized Finish, Add	*198.33*	
		For >10 To 20, Deduct	*-50.59*	
		For >20 To 40, Deduct	*-91.26*	
		For >40, Deduct	*-192.43*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,535.03	249.60
		For Bronze Or Satin Anodized Finish, Add	*103.58*	
		For Black Anodized Finish, Add	*207.17*	
		For >10 To 20, Deduct	*-53.91*	
		For >20 To 40, Deduct	*-97.47*	
		For >40, Deduct	*-205.29*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,656.66	265.20
		For Bronze Or Satin Anodized Finish, Add	*112.63*	
		For Black Anodized Finish, Add	*225.25*	
		For >10 To 20, Deduct	*-58.31*	
		For >20 To 40, Deduct	*-105.36*	
		For >40, Deduct	*-221.98*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,814.06	280.80
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-64.14*	
		For >20 To 40, Deduct	*-115.75*	
		For >40, Deduct	*-244.03*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,876.99	288.60
		For Bronze Or Satin Anodized Finish, Add	*129.98*	
		For Black Anodized Finish, Add	*259.96*	
		For >10 To 20, Deduct	*-66.42*	
		For >20 To 40, Deduct	*-119.85*	
		For >40, Deduct	*-252.69*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,019.82	296.41
		For Bronze Or Satin Anodized Finish, Add	*142.70*	
		For Black Anodized Finish, Add	*285.40*	
		For >10 To 20, Deduct	*-71.90*	
		For >20 To 40, Deduct	*-129.53*	
		For >40, Deduct	*-273.33*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	720.72	124.80
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-25.08*	
		For >20 To 40, Deduct	*-45.46*	
		For >40, Deduct	*-95.63*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	802.39	140.40
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-27.88*	
		For >20 To 40, Deduct	*-50.55*	
		For >40, Deduct	*-106.32*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	888.28	156.00
		For Bronze Or Satin Anodized Finish, Add	*57.63*	
		For Black Anodized Finish, Add	*115.26*	
		For >10 To 20, Deduct	*-30.85*	
		For >20 To 40, Deduct	*-55.94*	
		For >40, Deduct	*-117.64*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	962.59	171.60
		For Bronze Or Satin Anodized Finish, Add	*61.94*	
		For Black Anodized Finish, Add	*123.88*	
		For >10 To 20, Deduct	*-33.36*	
		For >20 To 40, Deduct	*-60.52*	
		For >40, Deduct	*-127.23*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,035.86	187.20
		For Bronze Or Satin Anodized Finish, Add	*66.15*	
		For Black Anodized Finish, Add	*132.29*	
		For >10 To 20, Deduct	*-35.82*	
		For >20 To 40, Deduct	*-65.02*	
		For >40, Deduct	*-136.66*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,002.90	156.00
		For Bronze Or Satin Anodized Finish, Add	*69.09*	
		For Black Anodized Finish, Add	*138.18*	
		For >10 To 20, Deduct	*-35.44*	
		For >20 To 40, Deduct	*-63.96*	
		For >40, Deduct	*-134.84*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,097.20	171.60
		For Bronze Or Satin Anodized Finish, Add	*75.40*	
		For Black Anodized Finish, Add	*150.80*	
		For >10 To 20, Deduct	*-38.74*	
		For >20 To 40, Deduct	*-69.94*	
		For >40, Deduct	*-147.42*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,158.89	187.20
		For Bronze Or Satin Anodized Finish, Add	*78.45*	
		For Black Anodized Finish, Add	*156.90*	
		For >10 To 20, Deduct	*-40.74*	
		For >20 To 40, Deduct	*-73.63*	
		For >40, Deduct	*-155.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,309.64	218.40
		For Bronze Or Satin Anodized Finish, Add	*87.28*	
		For Black Anodized Finish, Add	*174.57*	
		For >10 To 20, Deduct	*-45.83*	
		For >20 To 40, Deduct	*-82.94*	
		For >40, Deduct	*-174.61*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,466.67	249.60
		For Bronze Or Satin Anodized Finish, Add	*96.75*	
		For Black Anodized Finish, Add	*193.49*	
		For >10 To 20, Deduct	*-51.18*	
		For >20 To 40, Deduct	*-92.68*	
		For >40, Deduct	*-195.04*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,547.30	218.40
		For Bronze Or Satin Anodized Finish, Add	*111.05*	
		For Black Anodized Finish, Add	*222.10*	
		For >10 To 20, Deduct	*-55.34*	
		For >20 To 40, Deduct	*-99.57*	
		For >40, Deduct	*-210.25*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,692.77	249.60
		For Bronze Or Satin Anodized Finish, Add	*119.36*	
		For Black Anodized Finish, Add	*238.71*	
		For >10 To 20, Deduct	*-60.22*	
		For >20 To 40, Deduct	*-108.51*	
		For >40, Deduct	*-228.96*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,827.02	265.20
		For Bronze Or Satin Anodized Finish, Add	*129.66*	
		For Black Anodized Finish, Add	*259.32*	
		For >10 To 20, Deduct	*-65.12*	
		For >20 To 40, Deduct	*-117.28*	
		For >40, Deduct	*-247.53*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,943.40	280.80
		For Bronze Or Satin Anodized Finish, Add	*138.18*	
		For Black Anodized Finish, Add	*276.36*	
		For >10 To 20, Deduct	*-69.31*	
		For >20 To 40, Deduct	*-124.81*	
		For >40, Deduct	*-263.43*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,061.02	288.60
		For Bronze Or Satin Anodized Finish, Add	*148.38*	
		For Black Anodized Finish, Add	*296.76*	
		For >10 To 20, Deduct	*-73.78*	
		For >20 To 40, Deduct	*-132.73*	
		For >40, Deduct	*-280.29*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,161.79	296.41
		For Bronze Or Satin Anodized Finish, Add	*156.90*	
		For Black Anodized Finish, Add	*313.80*	
		For >10 To 20, Deduct	*-77.58*	
		For >20 To 40, Deduct	*-139.47*	
		For >40, Deduct	*-294.63*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,245.74	304.20
		For Bronze Or Satin Anodized Finish, Add	*163.73*	
		For Black Anodized Finish, Add	*327.47*	
		For >10 To 20, Deduct	*-80.70*	
		For >20 To 40, Deduct	*-145.03*	
		For >40, Deduct	*-306.44*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,408.57	312.00
		For Bronze Or Satin Anodized Finish, Add	*178.46*	
		For Black Anodized Finish, Add	*356.91*	
		For >10 To 20, Deduct	*-86.98*	
		For >20 To 40, Deduct	*-156.12*	
		For >40, Deduct	*-330.09*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,281.31	265.20
		For Bronze Or Satin Anodized Finish, Add	*175.09*	
		For Black Anodized Finish, Add	*350.18*	
		For >10 To 20, Deduct	*-83.30*	
		For >20 To 40, Deduct	*-149.08*	
		For >40, Deduct	*-315.68*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,469.20	280.80
		For Bronze Or Satin Anodized Finish, Add	*190.76*	
		For Black Anodized Finish, Add	*381.52*	
		For >10 To 20, Deduct	*-90.34*	
		For >20 To 40, Deduct	*-161.61*	
		For >40, Deduct	*-342.30*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,607.85	288.60
		For Bronze Or Satin Anodized Finish, Add	*203.06*	
		For Black Anodized Finish, Add	*406.13*	
		For >10 To 20, Deduct	*-95.66*	
		For >20 To 40, Deduct	*-171.01*	
		For >40, Deduct	*-362.32*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,709.67	296.41
		For Bronze Or Satin Anodized Finish, Add	*211.69*	
		For Black Anodized Finish, Add	*423.37*	
		For >10 To 20, Deduct	*-99.49*	
		For >20 To 40, Deduct	*-177.82*	
		For >40, Deduct	*-376.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,759.97	304.20
		For Bronze Or Satin Anodized Finish, Add	*215.16*	
		For Black Anodized Finish, Add	*430.31*	
		For >10 To 20, Deduct	*-101.27*	
		For >20 To 40, Deduct	*-181.03*	
		For >40, Deduct	*-383.58*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,940.67	312.00
		For Bronze Or Satin Anodized Finish, Add	*231.67*	
		For Black Anodized Finish, Add	*463.33*	
		For >10 To 20, Deduct	*-108.27*	
		For >20 To 40, Deduct	*-193.37*	
		For >40, Deduct	*-409.90*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,137.24	265.20
		For Bronze Or Satin Anodized Finish, Add	*160.68*	
		For Black Anodized Finish, Add	*321.37*	
		For >10 To 20, Deduct	*-77.53*	
		For >20 To 40, Deduct	*-139.00*	
		For >40, Deduct	*-294.07*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,306.20	280.80
		For Bronze Or Satin Anodized Finish, Add	*174.46*	
		For Black Anodized Finish, Add	*348.92*	
		For >10 To 20, Deduct	*-83.82*	
		For >20 To 40, Deduct	*-150.20*	
		For >40, Deduct	*-317.85*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,369.14	288.60
		For Bronze Or Satin Anodized Finish, Add	*179.19*	
		For Black Anodized Finish, Add	*358.39*	
		For >10 To 20, Deduct	*-86.11*	
		For >20 To 40, Deduct	*-154.30*	
		For >40, Deduct	*-326.51*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,552.98	296.41
		For Bronze Or Satin Anodized Finish, Add	*196.02*	
		For Black Anodized Finish, Add	*392.04*	
		For >10 To 20, Deduct	*-93.23*	
		For >20 To 40, Deduct	*-166.85*	
		For >40, Deduct	*-353.31*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,635.88	304.20
		For Bronze Or Satin Anodized Finish, Add	*202.75*	
		For Black Anodized Finish, Add	*405.50*	
		For >10 To 20, Deduct	*-96.31*	
		For >20 To 40, Deduct	*-172.34*	
		For >40, Deduct	*-364.96*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,817.64	312.00
		For Bronze Or Satin Anodized Finish, Add	*219.36*	
		For Black Anodized Finish, Add	*438.73*	
		For >10 To 20, Deduct	*-103.35*	
		For >20 To 40, Deduct	*-184.75*	
		For >40, Deduct	*-391.45*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,795.55	265.20
		For Bronze Or Satin Anodized Finish, Add	*226.52*	
		For Black Anodized Finish, Add	*453.03*	
		For >10 To 20, Deduct	*-103.87*	
		For >20 To 40, Deduct	*-185.08*	
		For >40, Deduct	*-392.81*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,955.04	280.80
		For Bronze Or Satin Anodized Finish, Add	*239.34*	
		For Black Anodized Finish, Add	*478.69*	
		For >10 To 20, Deduct	*-109.78*	
		For >20 To 40, Deduct	*-195.62*	
		For >40, Deduct	*-415.18*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,095.79	288.60
		For Bronze Or Satin Anodized Finish, Add	*251.86*	
		For Black Anodized Finish, Add	*503.72*	
		For >10 To 20, Deduct	*-115.17*	
		For >20 To 40, Deduct	*-205.16*	
		For >40, Deduct	*-435.51*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,321.70	296.41
		For Bronze Or Satin Anodized Finish, Add	*272.89*	
		For Black Anodized Finish, Add	*545.78*	
		For >10 To 20, Deduct	*-123.98*	
		For >20 To 40, Deduct	*-220.66*	
		For >40, Deduct	*-468.62*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,360.44	304.20
		For Bronze Or Satin Anodized Finish, Add	*275.20*	
		For Black Anodized Finish, Add	*550.41*	
		For >10 To 20, Deduct	*-125.29*	
		For >20 To 40, Deduct	*-223.06*	
		For >40, Deduct	*-473.65*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,585.31	312.00
		For Bronze Or Satin Anodized Finish, Add	*296.13*	
		For Black Anodized Finish, Add	*592.26*	
		For >10 To 20, Deduct	*-134.05*	
		For >20 To 40, Deduct	*-238.49*	
		For >40, Deduct	*-506.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,384.20	468.00
		For Bronze Or Satin Anodized Finish, Add	*344.82*	
		For Black Anodized Finish, Add	*689.64*	
		For >10 To 20, Deduct	*-161.33*	
		For >20 To 40, Deduct	*-288.17*	
		For >40, Deduct	*-610.83*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,514.59	468.00
		For Bronze Or Satin Anodized Finish, Add	*357.86*	
		For Black Anodized Finish, Add	*715.72*	
		For >10 To 20, Deduct	*-166.54*	
		For >20 To 40, Deduct	*-297.30*	
		For >40, Deduct	*-630.39*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	710.90	93.60
		For Bronze, Satin Or Black Anodized Finish, Add	*78.56*	
		For >10 To 20, Deduct	*-25.63*	
		For >20 To 40, Deduct	*-46.02*	
		For >40, Deduct	*-97.28*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	764.18	109.20
		For Bronze, Satin Or Black Anodized Finish, Add	*81.87*	
		For >10 To 20, Deduct	*-27.29*	
		For >20 To 40, Deduct	*-49.12*	
		For >40, Deduct	*-103.71*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	818.52	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*85.34*	
		For >10 To 20, Deduct	*-29.00*	
		For >20 To 40, Deduct	*-52.30*	
		For >40, Deduct	*-110.30*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	874.95	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*89.12*	
		For >10 To 20, Deduct	*-30.79*	
		For >20 To 40, Deduct	*-55.63*	
		For >40, Deduct	*-117.20*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	930.34	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*92.75*	
		For >10 To 20, Deduct	*-32.53*	
		For >20 To 40, Deduct	*-58.88*	
		For >40, Deduct	*-123.95*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	776.80	109.20
		For Bronze, Satin Or Black Anodized Finish, Add	*83.76*	
		For >10 To 20, Deduct	*-27.80*	
		For >20 To 40, Deduct	*-50.01*	
		For >40, Deduct	*-105.60*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	833.24	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*87.55*	
		For >10 To 20, Deduct	*-29.59*	
		For >20 To 40, Deduct	*-53.33*	
		For >40, Deduct	*-112.51*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	891.78	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*91.65*	
		For >10 To 20, Deduct	*-31.46*	
		For >20 To 40, Deduct	*-56.81*	
		For >40, Deduct	*-119.73*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	949.27	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*95.59*	
		For >10 To 20, Deduct	*-33.29*	
		For >20 To 40, Deduct	*-60.21*	
		For >40, Deduct	*-126.79*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,020.43	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*101.58*	
		For >10 To 20, Deduct	*-35.67*	
		For >20 To 40, Deduct	*-64.57*	
		For >40, Deduct	*-135.90*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,082.13	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*106.16*	
		For >10 To 20, Deduct	*-37.67*	
		For >20 To 40, Deduct	*-68.26*	
		For >40, Deduct	*-143.60*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	874.25	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*93.70*	
		For >10 To 20, Deduct	*-31.23*	
		For >20 To 40, Deduct	*-56.21*	
		For >40, Deduct	*-118.66*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	938.05	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-33.31*	
		For >20 To 40, Deduct	*-60.05*	
		For >40, Deduct	*-126.67*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,014.47	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*105.37*	
		For >10 To 20, Deduct	*-35.90*	
		For >20 To 40, Deduct	*-64.77*	
		For >40, Deduct	*-136.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,080.37	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-38.07*	
		For >20 To 40, Deduct	*-68.76*	
		For >40, Deduct	*-144.90*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,159.95	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*117.83*	
		For >10 To 20, Deduct	*-40.78*	
		For >20 To 40, Deduct	*-73.71*	
		For >40, Deduct	*-155.27*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,074.41	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-38.30*	
		For >20 To 40, Deduct	*-68.97*	
		For >40, Deduct	*-145.56*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,161.34	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*122.72*	
		For >10 To 20, Deduct	*-41.31*	
		For >20 To 40, Deduct	*-74.43*	
		For >40, Deduct	*-157.04*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,225.14	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*127.61*	
		For >10 To 20, Deduct	*-43.39*	
		For >20 To 40, Deduct	*-78.27*	
		For >40, Deduct	*-165.05*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	906.85	124.80
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-32.53*	
		For >20 To 40, Deduct	*-58.49*	
		For >40, Deduct	*-123.55*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	987.48	140.40
		For Bronze, Satin Or Black Anodized Finish, Add	*106.00*	
		For >10 To 20, Deduct	*-35.29*	
		For >20 To 40, Deduct	*-63.51*	
		For >40, Deduct	*-134.08*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,074.41	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-38.30*	
		For >20 To 40, Deduct	*-68.97*	
		For >40, Deduct	*-145.56*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,148.73	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-40.80*	
		For >20 To 40, Deduct	*-73.55*	
		For >40, Deduct	*-155.15*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,230.40	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-43.60*	
		For >20 To 40, Deduct	*-78.64*	
		For >40, Deduct	*-165.84*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,142.76	156.00
		For Bronze, Satin Or Black Anodized Finish, Add	*124.61*	
		For >10 To 20, Deduct	*-41.03*	
		For >20 To 40, Deduct	*-73.75*	
		For >40, Deduct	*-155.81*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,238.11	171.60
		For Bronze, Satin Or Black Anodized Finish, Add	*134.24*	
		For >10 To 20, Deduct	*-44.38*	
		For >20 To 40, Deduct	*-79.80*	
		For >40, Deduct	*-168.56*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,307.17	187.20
		For Bronze, Satin Or Black Anodized Finish, Add	*139.92*	
		For >10 To 20, Deduct	*-46.67*	
		For >20 To 40, Deduct	*-84.01*	
		For >40, Deduct	*-177.36*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	467.27	78.00
		For Bronze Or Satin Anodized Finish, Add	*31.13*	
		For Black Anodized Finish, Add	*62.25*	
		For >10 To 20, Deduct	*-16.35*	
		For >20 To 40, Deduct	*-29.59*	
		For >40, Deduct	*-62.29*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	496.72	78.00
		For Bronze Or Satin Anodized Finish, Add	*34.07*	
		For Black Anodized Finish, Add	*68.14*	
		For >10 To 20, Deduct	*-17.53*	
		For >20 To 40, Deduct	*-31.65*	
		For >40, Deduct	*-66.71*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	536.51	85.80
		For Bronze Or Satin Anodized Finish, Add	*36.49*	
		For Black Anodized Finish, Add	*72.98*	
		For >10 To 20, Deduct	*-18.89*	
		For >20 To 40, Deduct	*-34.12*	
		For >40, Deduct	*-71.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	568.93	93.60
		For Bronze Or Satin Anodized Finish, Add	*38.17*	
		For Black Anodized Finish, Add	*76.35*	
		For >10 To 20, Deduct	*-19.95*	
		For >20 To 40, Deduct	*-36.08*	
		For >40, Deduct	*-75.98*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	606.79	93.60
		For Bronze Or Satin Anodized Finish, Add	*41.96*	
		For Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-21.46*	
		For >20 To 40, Deduct	*-38.73*	
		For >40, Deduct	*-81.66*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	564.90	85.80
		For Bronze Or Satin Anodized Finish, Add	*39.33*	
		For Black Anodized Finish, Add	*78.66*	
		For >10 To 20, Deduct	*-20.02*	
		For >20 To 40, Deduct	*-36.11*	
		For >40, Deduct	*-76.16*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	609.94	93.60
		For Bronze Or Satin Anodized Finish, Add	*42.27*	
		For Black Anodized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-21.59*	
		For >20 To 40, Deduct	*-38.95*	
		For >40, Deduct	*-82.13*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	630.98	93.60
		For Bronze Or Satin Anodized Finish, Add	*44.38*	
		For Black Anodized Finish, Add	*88.76*	
		For >10 To 20, Deduct	*-22.43*	
		For >20 To 40, Deduct	*-40.42*	
		For >40, Deduct	*-85.29*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	680.23	101.40
		For Bronze Or Satin Anodized Finish, Add	*47.74*	
		For Black Anodized Finish, Add	*95.49*	
		For >10 To 20, Deduct	*-24.17*	
		For >20 To 40, Deduct	*-43.56*	
		For >40, Deduct	*-91.89*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	725.27	109.20
		For Bronze Or Satin Anodized Finish, Add	*50.69*	
		For Black Anodized Finish, Add	*101.37*	
		For >10 To 20, Deduct	*-25.73*	
		For >20 To 40, Deduct	*-46.40*	
		For >40, Deduct	*-97.87*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	691.97	93.60
		For Bronze Or Satin Anodized Finish, Add	*50.48*	
		For Black Anodized Finish, Add	*100.95*	
		For >10 To 20, Deduct	*-24.87*	
		For >20 To 40, Deduct	*-44.69*	
		For >40, Deduct	*-94.44*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	747.53	101.40
		For Bronze Or Satin Anodized Finish, Add	*54.47*	
		For Black Anodized Finish, Add	*108.95*	
		For >10 To 20, Deduct	*-26.86*	
		For >20 To 40, Deduct	*-48.27*	
		For >40, Deduct	*-101.99*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	797.83	109.20
		For Bronze Or Satin Anodized Finish, Add	*57.94*	
		For Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-28.64*	
		For >20 To 40, Deduct	*-51.48*	
		For >40, Deduct	*-108.75*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	833.76	101.40
		For Bronze Or Satin Anodized Finish, Add	*63.10*	
		For Black Anodized Finish, Add	*126.19*	
		For >10 To 20, Deduct	*-30.31*	
		For >20 To 40, Deduct	*-54.31*	
		For >40, Deduct	*-114.92*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,077.21	124.80
		For Bronze Or Satin Anodized Finish, Add	*82.76*	
		For Black Anodized Finish, Add	*165.52*	
		For >10 To 20, Deduct	*-39.34*	
		For >20 To 40, Deduct	*-70.41*	
		For >40, Deduct	*-149.10*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,196.04	124.80
		For Bronze Or Satin Anodized Finish, Add	*94.64*	
		For Black Anodized Finish, Add	*189.29*	
		For >10 To 20, Deduct	*-44.10*	
		For >20 To 40, Deduct	*-78.73*	
		For >40, Deduct	*-166.93*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,329.25	140.40
		For Bronze Or Satin Anodized Finish, Add	*104.85*	
		For Black Anodized Finish, Add	*209.69*	
		For >10 To 20, Deduct	*-48.96*	
		For >20 To 40, Deduct	*-87.43*	
		For >40, Deduct	*-185.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,458.59	140.40
		For Bronze Or Satin Anodized Finish, Add	*117.78*	
		For Black Anodized Finish, Add	*235.56*	
		For >10 To 20, Deduct	*-54.13*	
		For >20 To 40, Deduct	*-96.49*	
		For >40, Deduct	*-204.75*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	621.51	93.60
		For Bronze Or Satin Anodized Finish, Add	*43.43*	
		For Black Anodized Finish, Add	*86.86*	
		For >10 To 20, Deduct	*-22.05*	
		For >20 To 40, Deduct	*-39.76*	
		For >40, Deduct	*-83.87*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	674.79	109.20
		For Bronze Or Satin Anodized Finish, Add	*45.64*	
		For Black Anodized Finish, Add	*91.28*	
		For >10 To 20, Deduct	*-23.72*	
		For >20 To 40, Deduct	*-42.87*	
		For >40, Deduct	*-90.30*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	736.49	124.80
		For Bronze Or Satin Anodized Finish, Add	*48.69*	
		For Black Anodized Finish, Add	*97.38*	
		For >10 To 20, Deduct	*-25.72*	
		For >20 To 40, Deduct	*-46.56*	
		For >40, Deduct	*-97.99*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	797.14	140.40
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-27.67*	
		For >20 To 40, Deduct	*-50.18*	
		For >40, Deduct	*-105.53*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	831.67	148.20
		For Bronze Or Satin Anodized Finish, Add	*53.53*	
		For Black Anodized Finish, Add	*107.05*	
		For >10 To 20, Deduct	*-28.82*	
		For >20 To 40, Deduct	*-52.29*	
		For >40, Deduct	*-109.93*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	866.19	156.00
		For Bronze Or Satin Anodized Finish, Add	*55.42*	
		For Black Anodized Finish, Add	*110.84*	
		For >10 To 20, Deduct	*-29.97*	
		For >20 To 40, Deduct	*-54.39*	
		For >40, Deduct	*-114.33*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	933.15	171.60
		For Bronze Or Satin Anodized Finish, Add	*59.00*	
		For Black Anodized Finish, Add	*117.99*	
		For >10 To 20, Deduct	*-32.18*	
		For >20 To 40, Deduct	*-58.46*	
		For >40, Deduct	*-122.81*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,009.57	187.20
		For Bronze Or Satin Anodized Finish, Add	*63.52*	
		For Black Anodized Finish, Add	*127.03*	
		For >10 To 20, Deduct	*-34.77*	
		For >20 To 40, Deduct	*-63.18*	
		For >40, Deduct	*-132.72*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	938.75	156.00
		For Bronze Or Satin Anodized Finish, Add	*62.68*	
		For Black Anodized Finish, Add	*125.35*	
		For >10 To 20, Deduct	*-32.87*	
		For >20 To 40, Deduct	*-59.47*	
		For >40, Deduct	*-125.21*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,007.81	171.60
		For Bronze Or Satin Anodized Finish, Add	*66.46*	
		For Black Anodized Finish, Add	*132.92*	
		For >10 To 20, Deduct	*-35.16*	
		For >20 To 40, Deduct	*-63.68*	
		For >40, Deduct	*-134.01*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,090.54	187.20
		For Bronze Or Satin Anodized Finish, Add	*71.61*	
		For Black Anodized Finish, Add	*143.23*	
		For >10 To 20, Deduct	*-38.01*	
		For >20 To 40, Deduct	*-68.85*	
		For >40, Deduct	*-144.86*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,147.15	148.20
		For Bronze Or Satin Anodized Finish, Add	*85.07*	
		For Black Anodized Finish, Add	*170.15*	
		For >10 To 20, Deduct	*-41.44*	
		For >20 To 40, Deduct	*-74.37*	
		For >40, Deduct	*-157.25*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,392.35	187.20
		For Bronze Or Satin Anodized Finish, Add	*101.80*	
		For Black Anodized Finish, Add	*203.59*	
		For >10 To 20, Deduct	*-50.08*	
		For >20 To 40, Deduct	*-89.98*	
		For >40, Deduct	*-190.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,648.60	249.60
		For Bronze Or Satin Anodized Finish, Add	*114.94*	
		For Black Anodized Finish, Add	*229.88*	
		For >10 To 20, Deduct	*-58.46*	
		For >20 To 40, Deduct	*-105.42*	
		For >40, Deduct	*-222.33*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,155.74	187.20
		For Bronze Or Satin Anodized Finish, Add	*78.13*	
		For Black Anodized Finish, Add	*156.27*	
		For >10 To 20, Deduct	*-40.61*	
		For >20 To 40, Deduct	*-73.41*	
		For >40, Deduct	*-154.64*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,519.59	187.20
		For Bronze Or Satin Anodized Finish, Add	*114.52*	
		For Black Anodized Finish, Add	*229.04*	
		For >10 To 20, Deduct	*-55.17*	
		For >20 To 40, Deduct	*-98.88*	
		For >40, Deduct	*-209.22*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,764.27	249.60
		For Bronze Or Satin Anodized Finish, Add	*126.51*	
		For Black Anodized Finish, Add	*253.01*	
		For >10 To 20, Deduct	*-63.08*	
		For >20 To 40, Deduct	*-113.51*	
		For >40, Deduct	*-239.68*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,719.40	187.20
		For Bronze Or Satin Anodized Finish, Add	*134.50*	
		For Black Anodized Finish, Add	*269.00*	
		For >10 To 20, Deduct	*-63.16*	
		For >20 To 40, Deduct	*-112.87*	
		For >40, Deduct	*-239.19*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,025.07	249.60
		For Bronze Or Satin Anodized Finish, Add	*152.59*	
		For Black Anodized Finish, Add	*305.17*	
		For >10 To 20, Deduct	*-73.51*	
		For >20 To 40, Deduct	*-131.77*	
		For >40, Deduct	*-278.80*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,358.78	280.80
		For Bronze Or Satin Anodized Finish, Add	*179.72*	
		For Black Anodized Finish, Add	*359.44*	
		For >10 To 20, Deduct	*-85.93*	
		For >20 To 40, Deduct	*-153.88*	
		For >40, Deduct	*-325.74*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	570.33	78.00
		For Bronze Or Satin Anodized Finish, Add	*41.43*	
		For Black Anodized Finish, Add	*82.87*	
		For >10 To 20, Deduct	*-20.47*	
		For >20 To 40, Deduct	*-36.80*	
		For >40, Deduct	*-77.75*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	639.56	85.80
		For Bronze Or Satin Anodized Finish, Add	*46.80*	
		For Black Anodized Finish, Add	*93.59*	
		For >10 To 20, Deduct	*-23.01*	
		For >20 To 40, Deduct	*-41.34*	
		For >40, Deduct	*-87.35*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	677.25	93.60
		For Bronze Or Satin Anodized Finish, Add	*49.01*	
		For Black Anodized Finish, Add	*98.01*	
		For >10 To 20, Deduct	*-24.28*	
		For >20 To 40, Deduct	*-43.66*	
		For >40, Deduct	*-92.23*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	703.54	93.60
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-25.33*	
		For >20 To 40, Deduct	*-45.50*	
		For >40, Deduct	*-96.17*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	736.14	93.60
		For Bronze Or Satin Anodized Finish, Add	*54.89*	
		For Black Anodized Finish, Add	*109.79*	
		For >10 To 20, Deduct	*-26.64*	
		For >20 To 40, Deduct	*-47.79*	
		For >40, Deduct	*-101.06*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	863.20	101.40
		For Bronze Or Satin Anodized Finish, Add	*66.04*	
		For Black Anodized Finish, Add	*132.08*	
		For >10 To 20, Deduct	*-31.49*	
		For >20 To 40, Deduct	*-56.37*	
		For >40, Deduct	*-119.34*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	924.02	109.20
		For Bronze Or Satin Anodized Finish, Add	*70.56*	
		For Black Anodized Finish, Add	*141.12*	
		For >10 To 20, Deduct	*-33.68*	
		For >20 To 40, Deduct	*-60.31*	
		For >40, Deduct	*-127.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,089.12	109.20
		For Bronze Or Satin Anodized Finish, Add	*87.07*	
		For Black Anodized Finish, Add	*174.14*	
		For >10 To 20, Deduct	*-40.29*	
		For >20 To 40, Deduct	*-71.87*	
		For >40, Deduct	*-152.45*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,252.83	124.80
		For Bronze Or Satin Anodized Finish, Add	*100.32*	
		For Black Anodized Finish, Add	*200.65*	
		For >10 To 20, Deduct	*-46.37*	
		For >20 To 40, Deduct	*-82.71*	
		For >40, Deduct	*-175.44*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,621.94	124.80
		For Bronze Or Satin Anodized Finish, Add	*137.23*	
		For Black Anodized Finish, Add	*274.47*	
		For >10 To 20, Deduct	*-61.13*	
		For >20 To 40, Deduct	*-108.54*	
		For >40, Deduct	*-230.81*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	85.62	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	39.20	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	129.53	

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,008.92	109.20
		For >10 To 20, Deduct	*-37.08*	
		For >20 To 40, Deduct	*-66.26*	
		For >40, Deduct	*-140.42*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,087.17	124.80
		For >10 To 20, Deduct	*-39.74*	
		For >20 To 40, Deduct	*-71.11*	
		For >40, Deduct	*-150.60*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,166.77	140.40
		For >10 To 20, Deduct	*-42.46*	
		For >20 To 40, Deduct	*-76.06*	
		For >40, Deduct	*-160.98*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,245.03	156.00
		For >10 To 20, Deduct	*-45.12*	
		For >20 To 40, Deduct	*-80.91*	
		For >40, Deduct	*-171.15*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,347.48	171.60
		For >10 To 20, Deduct	*-48.75*	
		For >20 To 40, Deduct	*-87.46*	
		For >40, Deduct	*-184.96*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,428.43	187.20
		For >10 To 20, Deduct	*-51.52*	
		For >20 To 40, Deduct	*-92.50*	
		For >40, Deduct	*-195.54*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,539.23	218.40
		For >10 To 20, Deduct	*-55.02*	
		For >20 To 40, Deduct	*-99.01*	
		For >40, Deduct	*-209.04*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,648.68	249.60
		For >10 To 20, Deduct	*-58.46*	
		For >20 To 40, Deduct	*-105.42*	
		For >40, Deduct	*-222.34*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,757.58	249.60
		For >10 To 20, Deduct	*-62.82*	
		For >20 To 40, Deduct	*-113.05*	
		For >40, Deduct	*-238.68*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,884.23	265.20
		For >10 To 20, Deduct	*-67.41*	
		For >20 To 40, Deduct	*-121.29*	
		For >40, Deduct	*-256.11*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,010.88	280.80
		For >10 To 20, Deduct	*-72.01*	
		For >20 To 40, Deduct	*-129.53*	
		For >40, Deduct	*-273.55*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,132.61	109.20
		For >10 To 20, Deduct	*-42.03*	
		For >20 To 40, Deduct	*-74.91*	
		For >40, Deduct	*-158.97*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,186.66	124.80
		For >10 To 20, Deduct	*-43.72*	
		For >20 To 40, Deduct	*-78.07*	
		For >40, Deduct	*-165.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,242.06	140.40
		For >10 To 20, Deduct	*-45.47*	
		For >20 To 40, Deduct	*-81.33*	
		For >40, Deduct	*-172.27*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,300.15	156.00
		For >10 To 20, Deduct	*-47.33*	
		For >20 To 40, Deduct	*-84.77*	
		For >40, Deduct	*-179.42*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,364.96	171.60
		For >10 To 20, Deduct	*-49.45*	
		For >20 To 40, Deduct	*-88.68*	
		For >40, Deduct	*-187.58*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,428.43	187.20
		For >10 To 20, Deduct	*-51.52*	
		For >20 To 40, Deduct	*-92.50*	
		For >40, Deduct	*-195.54*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,523.10	218.40
		For >10 To 20, Deduct	*-54.37*	
		For >20 To 40, Deduct	*-97.88*	
		For >40, Deduct	*-206.62*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,648.68	249.60
		For >10 To 20, Deduct	*-58.46*	
		For >20 To 40, Deduct	*-105.42*	
		For >40, Deduct	*-222.34*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,694.39	249.60
		For >10 To 20, Deduct	*-60.29*	
		For >20 To 40, Deduct	*-108.62*	
		For >40, Deduct	*-229.20*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,772.64	265.20
		For >10 To 20, Deduct	*-62.95*	
		For >20 To 40, Deduct	*-113.48*	
		For >40, Deduct	*-239.38*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,850.90	280.80
		For >10 To 20, Deduct	*-65.61*	
		For >20 To 40, Deduct	*-118.33*	
		For >40, Deduct	*-249.56*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,314.10	109.20
		For >10 To 20, Deduct	*-49.29*	
		For >20 To 40, Deduct	*-87.62*	
		For >40, Deduct	*-186.20*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,386.98	124.80
		For >10 To 20, Deduct	*-51.74*	
		For >20 To 40, Deduct	*-92.10*	
		For >40, Deduct	*-195.57*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,459.86	140.40
		For >10 To 20, Deduct	*-54.18*	
		For >20 To 40, Deduct	*-96.57*	
		For >40, Deduct	*-204.94*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,534.08	156.00
		For >10 To 20, Deduct	*-56.68*	
		For >20 To 40, Deduct	*-101.15*	
		For >40, Deduct	*-214.51*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,613.68	171.60
		For >10 To 20, Deduct	*-59.40*	
		For >20 To 40, Deduct	*-106.09*	
		For >40, Deduct	*-224.89*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,701.34	187.20
		For >10 To 20, Deduct	*-62.44*	
		For >20 To 40, Deduct	*-111.61*	
		For >40, Deduct	*-236.48*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,832.32	218.40
		For >10 To 20, Deduct	*-66.74*	
		For >20 To 40, Deduct	*-119.53*	
		For >40, Deduct	*-253.01*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,964.62	249.60
		For >10 To 20, Deduct	*-71.10*	
		For >20 To 40, Deduct	*-127.54*	
		For >40, Deduct	*-269.73*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,034.53	249.60
		For >10 To 20, Deduct	*-73.89*	
		For >20 To 40, Deduct	*-132.43*	
		For >40, Deduct	*-280.22*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,175.97	265.20
		For >10 To 20, Deduct	*-79.08*	
		For >20 To 40, Deduct	*-141.71*	
		For >40, Deduct	*-299.88*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,286.49	280.80
		For >10 To 20, Deduct	*-83.04*	
		For >20 To 40, Deduct	*-148.82*	
		For >40, Deduct	*-314.89*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,381.42	288.60
		For >10 To 20, Deduct	*-86.60*	
		For >20 To 40, Deduct	*-155.16*	
		For >40, Deduct	*-328.35*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,476.33	296.41
		For >10 To 20, Deduct	*-90.16*	
		For >20 To 40, Deduct	*-161.49*	
		For >40, Deduct	*-341.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0548		**Round Tapered, Fiberglass Area Light Poles, Direct Burial** *(26 56 13 00-0511)*		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	607.73	78.00
		For >10 To 20, Deduct	*-21.97*	
		For >20 To 40, Deduct	*-39.42*	
		For >40, Deduct	*-83.36*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	648.87	85.80
		For >10 To 20, Deduct	*-23.38*	
		For >20 To 40, Deduct	*-41.99*	
		For >40, Deduct	*-88.75*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	688.67	93.60
		For >10 To 20, Deduct	*-24.74*	
		For >20 To 40, Deduct	*-44.46*	
		For >40, Deduct	*-93.94*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	711.52	93.60
		For >10 To 20, Deduct	*-25.65*	
		For >20 To 40, Deduct	*-46.06*	
		For >40, Deduct	*-97.37*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	764.77	101.40
		For >10 To 20, Deduct	*-27.55*	
		For >20 To 40, Deduct	*-49.48*	
		For >40, Deduct	*-104.58*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	807.26	109.20
		For >10 To 20, Deduct	*-29.01*	
		For >20 To 40, Deduct	*-52.14*	
		For >40, Deduct	*-110.17*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	853.78	117.00
		For >10 To 20, Deduct	*-30.64*	
		For >20 To 40, Deduct	*-55.08*	
		For >40, Deduct	*-116.37*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	907.02	124.80
		For >10 To 20, Deduct	*-32.54*	
		For >20 To 40, Deduct	*-58.50*	
		For >40, Deduct	*-123.57*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,036.09	124.80
		For >10 To 20, Deduct	*-37.70*	
		For >20 To 40, Deduct	*-67.53*	
		For >40, Deduct	*-142.93*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,180.75	132.60
		For >10 To 20, Deduct	*-43.25*	
		For >20 To 40, Deduct	*-77.35*	
		For >40, Deduct	*-163.85*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,325.41	140.40
		For >10 To 20, Deduct	*-48.80*	
		For >20 To 40, Deduct	*-87.16*	
		For >40, Deduct	*-184.77*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	731.41	78.00
		For >10 To 20, Deduct	*-26.92*	
		For >20 To 40, Deduct	*-48.08*	
		For >40, Deduct	*-101.91*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	779.28	85.80
		For >10 To 20, Deduct	*-28.60*	
		For >20 To 40, Deduct	*-51.12*	
		For >40, Deduct	*-108.31*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	827.14	93.60
		For >10 To 20, Deduct	*-30.28*	
		For >20 To 40, Deduct	*-54.16*	
		For >40, Deduct	*-114.71*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	860.75	93.60
		For >10 To 20, Deduct	*-31.62*	
		For >20 To 40, Deduct	*-56.51*	
		For >40, Deduct	*-119.75*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	908.62	101.40
		For >10 To 20, Deduct	*-33.30*	
		For >20 To 40, Deduct	*-59.55*	
		For >40, Deduct	*-126.15*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	956.49	109.20
		For >10 To 20, Deduct	*-34.98*	
		For >20 To 40, Deduct	*-62.59*	
		For >40, Deduct	*-132.55*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,004.35	117.00
		For >10 To 20, Deduct	*-36.66*	
		For >20 To 40, Deduct	*-65.62*	
		For >40, Deduct	*-138.95*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,083.14	124.80
		For >10 To 20, Deduct	*-39.58*	
		For >20 To 40, Deduct	*-70.83*	
		For >40, Deduct	*-149.99*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,208.17	124.80
		For >10 To 20, Deduct	*-44.58*	
		For >20 To 40, Deduct	*-79.58*	
		For >40, Deduct	*-168.75*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,350.15	132.60
		For >10 To 20, Deduct	*-50.03*	
		For >20 To 40, Deduct	*-89.21*	
		For >40, Deduct	*-189.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,490.78	140.40
		For >10 To 20, Deduct	*-55.42*	
		For >20 To 40, Deduct	*-98.74*	
		For >40, Deduct	*-209.58*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	840.31	78.00
		For >10 To 20, Deduct	*-31.27*	
		For >20 To 40, Deduct	*-55.70*	
		For >40, Deduct	*-118.25*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	880.11	85.80
		For >10 To 20, Deduct	*-32.63*	
		For >20 To 40, Deduct	*-58.18*	
		For >40, Deduct	*-123.44*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	918.56	93.60
		For >10 To 20, Deduct	*-33.93*	
		For >20 To 40, Deduct	*-60.56*	
		For >40, Deduct	*-128.42*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	941.42	93.60
		For >10 To 20, Deduct	*-34.85*	
		For >20 To 40, Deduct	*-62.16*	
		For >40, Deduct	*-131.85*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	979.87	101.40
		For >10 To 20, Deduct	*-36.15*	
		For >20 To 40, Deduct	*-64.53*	
		For >40, Deduct	*-136.84*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,019.67	109.20
		For >10 To 20, Deduct	*-37.51*	
		For >20 To 40, Deduct	*-67.01*	
		For >40, Deduct	*-142.03*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,105.18	117.00
		For >10 To 20, Deduct	*-40.70*	
		For >20 To 40, Deduct	*-72.68*	
		For >40, Deduct	*-154.08*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,206.83	124.80
		For >10 To 20, Deduct	*-44.53*	
		For >20 To 40, Deduct	*-79.49*	
		For >40, Deduct	*-168.54*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,284.80	124.80
		For >10 To 20, Deduct	*-47.65*	
		For >20 To 40, Deduct	*-84.94*	
		For >40, Deduct	*-180.24*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,379.72	132.60
		For >10 To 20, Deduct	*-51.21*	
		For >20 To 40, Deduct	*-91.28*	
		For >40, Deduct	*-193.70*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,474.64	140.40
		For >10 To 20, Deduct	*-54.77*	
		For >20 To 40, Deduct	*-97.61*	
		For >40, Deduct	*-207.16*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.67
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.67
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	90.44
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	119.78

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,487.70	265.20
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,566.77	280.80
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,629.14	288.60
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,116.48	296.41
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,376.22	312.00
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,912.84	405.60
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,470.24	499.20
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	3,682.19	265.20
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,286.45	280.80
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	530.51	93.60
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,215.88	187.13
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	202.83	38.19
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	420.64	76.37

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	1,830.96	124.80
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,047.15	156.00
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,238.79	187.20
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,090.43	280.80
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,603.60	296.41
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,160.32	312.00
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,758.92	405.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0610		Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	18,017.84	702.00
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	21,404.61	792.96
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	25,263.73	1,071.20
26 56 13 00-0614		Treated Wood Area Light Poles *(26 56 13 00-0177)*		
		See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		Cast Iron Decorative Light Posts *(26 56 13 00-0177)*		
26 56 13 00-0616		Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*		
		Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,235.06	78.00
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,287.43	89.86
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,403.70	93.60
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,736.15	109.20
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,045.54	118.56
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,370.80	127.92
26 56 13 00-0623		Landscape Light Poles *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0624		Aluminum Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*		
26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	280.78	93.60
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	545.77	124.80
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	236.74	93.60
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	501.73	124.80
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	333.38	93.60
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	300.63	93.60
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	623.67	18.72
		For Galvanized Finish, Add	*58.62*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	800.54	18.72
		For Galvanized Finish, Add	*76.31*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	854.53	18.72
		For Galvanized Finish, Add	*81.71*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,187.79	18.72
		For Galvanized Finish, Add	*115.04*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,239.69	18.72
		For Galvanized Finish, Add	*120.23*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	208.85	18.72
		For Bronze Or Satin Anodized Finish, Add	*17.14*	
		For Black Anodized Finish, Add	*34.28*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	263.53	18.72
		For Bronze Or Satin Anodized Finish, Add	*22.61*	
		For Black Anodized Finish, Add	*45.22*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	278.26	18.72
		For Bronze Or Satin Anodized Finish, Add	*24.08*	
		For Black Anodized Finish, Add	*48.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	329.78	18.72
		For Bronze Or Satin Anodized Finish, Add	*29.23*	
		For Black Anodized Finish, Add	*58.47*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	340.30	18.72
		For Bronze Or Satin Anodized Finish, Add	*30.29*	
		For Black Anodized Finish, Add	*60.57*	
26 56 13 00-0654		**Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0640)*		
26 56 13 00-0655		**Steel, Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	674.17	18.72
		For Galvanized Finish, Add	*63.67*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	843.59	18.72
		For Galvanized Finish, Add	*80.62*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,042.57	18.72
		For Galvanized Finish, Add	*100.51*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,242.48	18.72
		For Galvanized Finish, Add	*120.50*	
26 56 13 00-0660		**Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0639)*		
26 56 13 00-0661		**Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	604.64	31.20
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	951.40	31.20
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,361.69	31.20
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,496.67	31.20
26 56 13 00-0666		**Light Pole Arms** *(26 56 13 00-0638)*		
26 56 13 00-0667		**Wood Pole Streetlight Arms** *(26 56 13 00-0666)*		
26 56 13 00-0668		**Steel, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	326.58	28.08
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	341.90	31.20
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	389.38	39.00
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	508.06	31.20
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	555.08	39.00
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	675.17	46.80
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	180.15	31.20
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	240.55	31.20
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	327.89	39.00
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	440.27	46.80
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	680.65	31.20
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,104.70	34.32
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,229.27	37.44
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,469.77	40.56
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	807.35	39.00
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,187.92	42.12
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	233.81	31.20
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	287.27	39.00
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	342.83	46.80
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	231.71	31.20
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	351.52	34.32
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	283.06	39.00
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	428.11	42.12
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	344.93	46.80
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	522.58	49.92
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,029.70	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	58,316.34	880.22
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	61,619.47	921.90
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	64,915.42	982.11
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	68,202.10	1,060.85
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	71,474.64	1,158.08
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	75,682.98	1,273.98
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	79,037.67	1,389.78
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	82,114.25	1,505.58
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	85,468.94	1,621.44
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	89,610.58	1,737.24

26 56 13 00-0712 High Mast Light Poles *(26 56 13 00-0700)*

26 56 13 00-0713	EA	60' High Mast Light Poles	21,270.99	528.64
26 56 13 00-0714	EA	70' High Mast Light Poles	24,561.61	553.68
26 56 13 00-0715	EA	80' High Mast Light Poles	27,839.46	589.85
26 56 13 00-0716	EA	90' High Mast Light Poles	31,102.50	637.16
26 56 13 00-0717	EA	100' High Mast Light Poles	34,352.77	695.58
26 56 13 00-0718	EA	110' High Mast Light Poles	37,590.28	765.14
26 56 13 00-0719	EA	120' High Mast Light Poles	39,983.14	834.70
26 56 13 00-0720	EA	130' High Mast Light Poles	41,191.58	1,546.98
26 56 13 00-0721	EA	140' High Mast Light Poles	44,488.70	973.81
26 56 13 00-0722	EA	150' High Mast Light Poles	47,161.74	1,043.38

26 56 13 00-0723 High Mast Lighting Accessories *(26 56 13 00-0700)*

See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.

26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	976.45
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,865.56
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,171.30
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	885.82
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,604.09
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,487.41
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,527.67

26 56 13 00-0731 Concrete Bases *(26 56 13 00-0001)*

26 56 13 00-0732 Concrete Bases, Cast In Place *(26 56 13 00-0731)*

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.

26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	371.70
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	58.62
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	77.22
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	99.30
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	126.06
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	167.29
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	207.14
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	291.48
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	392.46

26 56 18 Incandescent Exterior Lighting *(26 56)*

26 56 18 00-0001 Exterior Globe *(26 56 18)*

26 56 18 00-0002 Incandescent, Exterior Globe *(26 56 18 00-0001)*

26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	32.47	8.06
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	60.75	8.06
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	42.52	8.06
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	64.62	8.06

26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	154.11	32.26
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	158.16	34.27
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	179.73	36.29
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	157.71	40.32
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	173.13	46.37

26 56 19 LED Exterior Lighting *(26 56)*

26 56 19 00-0001 LED, Wall Packs *(26 56 19)*

26 56 19 00-0002 Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*

26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	973.49	52.03
		For >50 To 100, Deduct	*-48.67*	
		For >100 To 250, Deduct	*-73.01*	
		For >250 To 500, Deduct	*-119.08*	
		For >500 To 1,000, Deduct	*-165.16*	
		For >1,000, Deduct	*-211.23*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,067.86	52.03
		For >50 To 100, Deduct	*-53.39*	
		For >100 To 250, Deduct	*-80.09*	
		For >250 To 500, Deduct	*-130.88*	
		For >500 To 1,000, Deduct	*-181.67*	
		For >1,000, Deduct	*-232.46*	

26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*

26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	772.11	50.55
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*40.06*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-38.61*	
		For >100 To 250, Deduct	*-57.91*	
		For >250 To 500, Deduct	*-93.99*	
		For >500 To 1,000, Deduct	*-130.06*	
		For >1,000, Deduct	*-166.14*	
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,021.19	53.52
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*40.36*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-51.06*	
		For >100 To 250, Deduct	*-76.59*	
		For >250 To 500, Deduct	*-124.97*	
		For >500 To 1,000, Deduct	*-173.36*	
		For >1,000, Deduct	*-221.74*	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,152.72	56.49
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*40.66*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-57.64*	
		For >100 To 250, Deduct	*-86.45*	
		For >250 To 500, Deduct	*-141.27*	
		For >500 To 1,000, Deduct	*-196.08*	
		For >1,000, Deduct	*-250.89*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,519.33	59.47
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*40.96*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-75.97*	
		For >100 To 250, Deduct	*-113.95*	
		For >250 To 500, Deduct	*-186.94*	
		For >500 To 1,000, Deduct	*-259.94*	
		For >1,000, Deduct	*-332.93*	
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,768.41	62.44
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*41.25*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-88.42*	
		For >100 To 250, Deduct	*-132.63*	
		For >250 To 500, Deduct	*-217.93*	
		For >500 To 1,000, Deduct	*-303.23*	
		For >1,000, Deduct	*-388.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,017.49	65.41
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*41.55*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-100.87*	
		For >100 To 250, Deduct	*-151.31*	
		For >250 To 500, Deduct	*-248.92*	
		For >500 To 1,000, Deduct	*-346.52*	
		For >1,000, Deduct	*-444.12*	
26 56 19 00-0014		**Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)** *(26 56 19 00-0006)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	411.08	50.55
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*55.57*	
		For >50 To 100, Deduct	*-20.55*	
		For >100 To 250, Deduct	*-30.83*	
		For >250 To 500, Deduct	*-48.86*	
		For >500 To 1,000, Deduct	*-66.88*	
		For >1,000, Deduct	*-84.91*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	489.35	53.52
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*55.57*	
		For >50 To 100, Deduct	*-24.47*	
		For >100 To 250, Deduct	*-36.70*	
		For >250 To 500, Deduct	*-58.49*	
		For >500 To 1,000, Deduct	*-80.28*	
		For >1,000, Deduct	*-102.08*	
26 56 19 00-0017		**Full Cutoff, LED Wall Packs (McGraw-Edison)** *(26 56 19 00-0002)*		
26 56 19 00-0018	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,222.57	50.55
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,546.93	53.52
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,238.96	50.55
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,696.78	53.52
26 56 19 00-0022		**Open Face LED Wall Pack** *(26 56 19 00-0001)*		
		Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	500.87	44.16
		For >50 To 100, Deduct	*-25.04*	
		For >100 To 250, Deduct	*-37.57*	
		For >250 To 500, Deduct	*-59.30*	
		For >500 To 1,000, Deduct	*-81.03*	
		For >1,000, Deduct	*-102.76*	
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	519.97	44.16
		For >50 To 100, Deduct	*-26.00*	
		For >100 To 250, Deduct	*-39.00*	
		For >250 To 500, Deduct	*-61.68*	
		For >500 To 1,000, Deduct	*-84.37*	
		For >1,000, Deduct	*-107.06*	
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	561.04	44.16
		For >50 To 100, Deduct	*-28.05*	
		For >100 To 250, Deduct	*-42.08*	
		For >250 To 500, Deduct	*-66.82*	
		For >500 To 1,000, Deduct	*-91.56*	
		For >1,000, Deduct	*-116.30*	
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	596.38	44.16
		For >50 To 100, Deduct	*-29.82*	
		For >100 To 250, Deduct	*-44.73*	
		For >250 To 500, Deduct	*-71.24*	
		For >500 To 1,000, Deduct	*-97.74*	
		For >1,000, Deduct	*-124.25*	
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	659.14	44.16
		For >50 To 100, Deduct	*-32.96*	
		For >100 To 250, Deduct	*-49.44*	
		For >250 To 500, Deduct	*-79.08*	
		For >500 To 1,000, Deduct	*-108.73*	
		For >1,000, Deduct	*-138.37*	
26 56 19 00-0028		**Wall Pack Accessories** *(26 56 19 00-0001)*		
26 56 19 00-0029	EA	Photocell For Wall Pack	104.59	11.04
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	121.84	11.04
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	193.97	11.04
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	298.06	11.04
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	117.14	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0034		LED, Roadway Lighting *(26 56 19)*		
26 56 19 00-0035		LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0034)*		
26 56 19 00-0036		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0035)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,325.22	71.51
		For >50 To 100, Deduct	*-66.26*	
		For >100 To 250, Deduct	*-99.39*	
		For >250 To 500, Deduct	*-162.08*	
		For >500 To 1,000, Deduct	*-224.76*	
		For >1,000, Deduct	*-287.45*	
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,164.02	73.44
		For >50 To 100, Deduct	*-108.20*	
		For >100 To 250, Deduct	*-162.30*	
		For >250 To 500, Deduct	*-266.83*	
		For >500 To 1,000, Deduct	*-371.36*	
		For >1,000, Deduct	*-475.89*	
26 56 19 00-0039		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0035)*		
		Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,028.15	71.51
		For >50 To 100, Deduct	*-51.41*	
		For >100 To 250, Deduct	*-77.11*	
		For >250 To 500, Deduct	*-124.94*	
		For >500 To 1,000, Deduct	*-172.78*	
		For >1,000, Deduct	*-220.61*	
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,116.66	71.51
		For >50 To 100, Deduct	*-55.83*	
		For >100 To 250, Deduct	*-83.75*	
		For >250 To 500, Deduct	*-136.01*	
		For >500 To 1,000, Deduct	*-188.27*	
		For >1,000, Deduct	*-240.52*	
26 56 19 00-0042	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,205.17	71.51
		For >50 To 100, Deduct	*-60.26*	
		For >100 To 250, Deduct	*-90.39*	
		For >250 To 500, Deduct	*-147.07*	
		For >500 To 1,000, Deduct	*-203.75*	
		For >1,000, Deduct	*-260.44*	
26 56 19 00-0043		LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*		
26 56 19 00-0044		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0045	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,291.31	67.64
		For >50 To 100, Deduct	*-114.57*	
		For >100 To 250, Deduct	*-171.85*	
		For >250 To 500, Deduct	*-283.03*	
		For >500 To 1,000, Deduct	*-394.21*	
		For >1,000, Deduct	*-505.40*	
26 56 19 00-0046	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	3,921.60	69.57
		For >50 To 100, Deduct	*-196.08*	
		For >100 To 250, Deduct	*-294.12*	
		For >250 To 500, Deduct	*-486.72*	
		For >500 To 1,000, Deduct	*-679.32*	
		For >1,000, Deduct	*-871.92*	
26 56 19 00-0047		LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*		
26 56 19 00-0048		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*		
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0049	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	668.56	65.71
		For >50 To 100, Deduct	*-33.43*	
		For >100 To 250, Deduct	*-50.14*	
		For >250 To 500, Deduct	*-80.28*	
		For >500 To 1,000, Deduct	*-110.43*	
		For >1,000, Deduct	*-140.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0050	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	763.53	67.64
		For >50 To 100, Deduct	*-38.18*	
		For >100 To 250, Deduct	*-57.26*	
		For >250 To 500, Deduct	*-92.06*	
		For >500 To 1,000, Deduct	*-126.85*	
		For >1,000, Deduct	*-161.65*	
26 56 19 00-0051	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	878.90	69.57
		For >50 To 100, Deduct	*-43.95*	
		For >100 To 250, Deduct	*-65.92*	
		For >250 To 500, Deduct	*-106.38*	
		For >500 To 1,000, Deduct	*-146.85*	
		For >1,000, Deduct	*-187.32*	
26 56 19 00-0052	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	975.42	71.51
		For >50 To 100, Deduct	*-48.77*	
		For >100 To 250, Deduct	*-73.16*	
		For >250 To 500, Deduct	*-118.35*	
		For >500 To 1,000, Deduct	*-163.55*	
		For >1,000, Deduct	*-208.74*	
26 56 19 00-0053	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,071.96	73.44
		For >50 To 100, Deduct	*-53.60*	
		For >100 To 250, Deduct	*-80.40*	
		For >250 To 500, Deduct	*-130.32*	
		For >500 To 1,000, Deduct	*-180.25*	
		For >1,000, Deduct	*-230.18*	
26 56 19 00-0054	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,306.70	75.37
		For >50 To 100, Deduct	*-65.34*	
		For >100 To 250, Deduct	*-98.00*	
		For >250 To 500, Deduct	*-159.57*	
		For >500 To 1,000, Deduct	*-221.14*	
		For >1,000, Deduct	*-282.70*	
26 56 19 00-0055	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,403.24	77.31
		For >50 To 100, Deduct	*-70.16*	
		For >100 To 250, Deduct	*-105.24*	
		For >250 To 500, Deduct	*-171.54*	
		For >500 To 1,000, Deduct	*-237.84*	
		For >1,000, Deduct	*-304.13*	
26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,498.18	79.24
		For >50 To 100, Deduct	*-74.91*	
		For >100 To 250, Deduct	*-112.36*	
		For >250 To 500, Deduct	*-183.31*	
		For >500 To 1,000, Deduct	*-254.26*	
		For >1,000, Deduct	*-325.21*	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,687.38	81.18
		For >50 To 100, Deduct	*-84.37*	
		For >100 To 250, Deduct	*-126.55*	
		For >250 To 500, Deduct	*-206.86*	
		For >500 To 1,000, Deduct	*-287.17*	
		For >1,000, Deduct	*-367.49*	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,783.92	83.10
		For >50 To 100, Deduct	*-89.20*	
		For >100 To 250, Deduct	*-133.79*	
		For >250 To 500, Deduct	*-218.83*	
		For >500 To 1,000, Deduct	*-303.88*	
		For >1,000, Deduct	*-388.92*	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,880.45	85.03
		For >50 To 100, Deduct	*-94.02*	
		For >100 To 250, Deduct	*-141.03*	
		For >250 To 500, Deduct	*-230.80*	
		For >500 To 1,000, Deduct	*-320.57*	
		For >1,000, Deduct	*-410.35*	

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,452.16	69.57
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-72.61*	
		For >100 To 250, Deduct	*-108.91*	
		For >250 To 500, Deduct	*-178.04*	
		For >500 To 1,000, Deduct	*-247.17*	
		For >1,000, Deduct	*-316.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,690.77	73.44
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-84.54*	
		For >100 To 250, Deduct	*-126.81*	
		For >250 To 500, Deduct	*-207.67*	
		For >500 To 1,000, Deduct	*-288.54*	
		For >1,000, Deduct	*-369.41*	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,929.39	77.31
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-96.47*	
		For >100 To 250, Deduct	*-144.70*	
		For >250 To 500, Deduct	*-237.31*	
		For >500 To 1,000, Deduct	*-329.91*	
		For >1,000, Deduct	*-422.52*	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,167.98	81.18
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-108.40*	
		For >100 To 250, Deduct	*-162.60*	
		For >250 To 500, Deduct	*-266.94*	
		For >500 To 1,000, Deduct	*-371.28*	
		For >1,000, Deduct	*-475.62*	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,896.62	85.03
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-144.83*	
		For >100 To 250, Deduct	*-217.25*	
		For >250 To 500, Deduct	*-357.83*	
		For >500 To 1,000, Deduct	*-498.40*	
		For >1,000, Deduct	*-638.98*	
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,135.22	88.90
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-156.76*	
		For >100 To 250, Deduct	*-235.14*	
		For >250 To 500, Deduct	*-387.46*	
		For >500 To 1,000, Deduct	*-539.77*	
		For >1,000, Deduct	*-692.09*	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,373.84	92.77
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-168.69*	
		For >100 To 250, Deduct	*-253.04*	
		For >250 To 500, Deduct	*-417.09*	
		For >500 To 1,000, Deduct	*-581.15*	
		For >1,000, Deduct	*-745.20*	

26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0069	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	526.21	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*24.47*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*41.97*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-26.31*	
		For >100 To 250, Deduct	*-39.47*	
		For >250 To 500, Deduct	*-62.30*	
		For >500 To 1,000, Deduct	*-85.13*	
		For >1,000, Deduct	*-107.96*	
26 56 19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	526.21	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*24.47*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*41.97*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-26.31*	
		For >100 To 250, Deduct	*-39.47*	
		For >250 To 500, Deduct	*-62.30*	
		For >500 To 1,000, Deduct	*-85.13*	
		For >1,000, Deduct	*-107.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	596.22	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*24.47*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*41.97*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-29.81*	
		For >100 To 250, Deduct	*-44.72*	
		For >250 To 500, Deduct	*-71.05*	
		For >500 To 1,000, Deduct	*-97.38*	
		For >1,000, Deduct	*-123.71*	
26 56 19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	596.22	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*24.47*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*41.97*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-29.81*	
		For >100 To 250, Deduct	*-44.72*	
		For >250 To 500, Deduct	*-71.05*	
		For >500 To 1,000, Deduct	*-97.38*	
		For >1,000, Deduct	*-123.71*	
26 56 19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	720.69	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*38.07*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*73.10*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-36.03*	
		For >100 To 250, Deduct	*-54.05*	
		For >250 To 500, Deduct	*-86.61*	
		For >500 To 1,000, Deduct	*-119.16*	
		For >1,000, Deduct	*-151.72*	
26 56 19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	720.69	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*38.07*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*73.10*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-36.03*	
		For >100 To 250, Deduct	*-54.05*	
		For >250 To 500, Deduct	*-86.61*	
		For >500 To 1,000, Deduct	*-119.16*	
		For >1,000, Deduct	*-151.72*	
26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	837.40	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*38.07*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*73.10*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-41.87*	
		For >100 To 250, Deduct	*-62.81*	
		For >250 To 500, Deduct	*-101.20*	
		For >500 To 1,000, Deduct	*-139.59*	
		For >1,000, Deduct	*-177.98*	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	837.40	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*38.07*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*73.10*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-41.87*	
		For >100 To 250, Deduct	*-62.81*	
		For >250 To 500, Deduct	*-101.20*	
		For >500 To 1,000, Deduct	*-139.59*	
		For >1,000, Deduct	*-177.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	401.72	69.57
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-20.09*	
		For >100 To 250, Deduct	*-30.13*	
		For >250 To 500, Deduct	*-46.74*	
		For >500 To 1,000, Deduct	*-63.34*	
		For >1,000, Deduct	*-79.95*	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	401.72	69.57
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-20.09*	
		For >100 To 250, Deduct	*-30.13*	
		For >250 To 500, Deduct	*-46.74*	
		For >500 To 1,000, Deduct	*-63.34*	
		For >1,000, Deduct	*-79.95*	
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	430.90	69.57
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-21.55*	
		For >100 To 250, Deduct	*-32.32*	
		For >250 To 500, Deduct	*-50.38*	
		For >500 To 1,000, Deduct	*-68.45*	
		For >1,000, Deduct	*-86.52*	
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	430.90	69.57
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-21.55*	
		For >100 To 250, Deduct	*-32.32*	
		For >250 To 500, Deduct	*-50.38*	
		For >500 To 1,000, Deduct	*-68.45*	
		For >1,000, Deduct	*-86.52*	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	440.62	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 250, Deduct	*-33.05*	
		For >250 To 500, Deduct	*-51.60*	
		For >500 To 1,000, Deduct	*-70.15*	
		For >1,000, Deduct	*-88.70*	
26 56 19 00-0082	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	440.62	69.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 250, Deduct	*-33.05*	
		For >250 To 500, Deduct	*-51.60*	
		For >500 To 1,000, Deduct	*-70.15*	
		For >1,000, Deduct	*-88.70*	

26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0084	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	421.18	69.57
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*53.27*	
		For Bird Spikes, Add	*73.64*	
		For >50 To 100, Deduct	*-21.06*	
		For >100 To 250, Deduct	*-31.59*	
		For >250 To 500, Deduct	*-49.17*	
		For >500 To 1,000, Deduct	*-66.75*	
		For >1,000, Deduct	*-84.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0085	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	421.18	69.57
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*53.27*	
		For Bird Spikes, Add	*73.64*	
		For >50 To 100, Deduct	*-21.06*	
		For >100 To 250, Deduct	*-31.59*	
		For >250 To 500, Deduct	*-49.17*	
		For >500 To 1,000, Deduct	*-66.75*	
		For >1,000, Deduct	*-84.33*	
26 56 19 00-0086	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	440.62	69.57
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*53.27*	
		For Bird Spikes, Add	*73.64*	
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 250, Deduct	*-33.05*	
		For >250 To 500, Deduct	*-51.60*	
		For >500 To 1,000, Deduct	*-70.15*	
		For >1,000, Deduct	*-88.70*	
26 56 19 00-0087	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	440.62	69.57
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*53.27*	
		For Bird Spikes, Add	*73.64*	
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 250, Deduct	*-33.05*	
		For >250 To 500, Deduct	*-51.60*	
		For >500 To 1,000, Deduct	*-70.15*	
		For >1,000, Deduct	*-88.70*	

26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0090	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	880.56	69.57
		For >50 To 100, Deduct	*-44.03*	
		For >100 To 250, Deduct	*-66.04*	
		For >250 To 500, Deduct	*-106.59*	
		For >500 To 1,000, Deduct	*-147.14*	
		For >1,000, Deduct	*-187.69*	
26 56 19 00-0091	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,247.07	77.31
		For >50 To 100, Deduct	*-62.35*	
		For >100 To 250, Deduct	*-93.53*	
		For >250 To 500, Deduct	*-152.02*	
		For >500 To 1,000, Deduct	*-210.51*	
		For >1,000, Deduct	*-268.99*	
26 56 19 00-0092	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,318.81	88.90
		For >50 To 100, Deduct	*-65.94*	
		For >100 To 250, Deduct	*-98.91*	
		For >250 To 500, Deduct	*-160.41*	
		For >500 To 1,000, Deduct	*-221.90*	
		For >1,000, Deduct	*-283.40*	
26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,074.55	96.64
		For >50 To 100, Deduct	*-103.73*	
		For >100 To 250, Deduct	*-155.59*	
		For >250 To 500, Deduct	*-254.49*	
		For >500 To 1,000, Deduct	*-353.38*	
		For >1,000, Deduct	*-452.28*	
26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,773.57	110.01
		For >50 To 100, Deduct	*-138.68*	
		For >100 To 250, Deduct	*-208.02*	
		For >250 To 500, Deduct	*-341.20*	
		For >500 To 1,000, Deduct	*-474.37*	
		For >1,000, Deduct	*-607.55*	

26 56 19 00-0095 LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*

26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,108.62	67.64
		For >50 To 100, Deduct	*-55.43*	
		For >100 To 250, Deduct	*-83.15*	
		For >250 To 500, Deduct	*-135.20*	
		For >500 To 1,000, Deduct	*-187.24*	
		For >1,000, Deduct	*-239.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,222.24	68.39
		For >50 To 100, Deduct	*-61.11*	
		For >100 To 250, Deduct	*-91.67*	
		For >250 To 500, Deduct	*-149.36*	
		For >500 To 1,000, Deduct	*-207.05*	
		For >1,000, Deduct	*-264.75*	
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,309.84	69.57
		For >50 To 100, Deduct	*-65.49*	
		For >100 To 250, Deduct	*-98.24*	
		For >250 To 500, Deduct	*-160.25*	
		For >500 To 1,000, Deduct	*-222.26*	
		For >1,000, Deduct	*-284.28*	

26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	663.54	66.01
		For >50 To 100, Deduct	*-33.18*	
		For >100 To 250, Deduct	*-49.77*	
		For >250 To 500, Deduct	*-79.64*	
		For >500 To 1,000, Deduct	*-109.52*	
		For >1,000, Deduct	*-139.40*	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	721.99	67.19
		For >50 To 100, Deduct	*-36.10*	
		For >100 To 250, Deduct	*-54.15*	
		For >250 To 500, Deduct	*-86.89*	
		For >500 To 1,000, Deduct	*-119.63*	
		For >1,000, Deduct	*-152.37*	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	816.32	68.39
		For >50 To 100, Deduct	*-40.82*	
		For >100 To 250, Deduct	*-61.22*	
		For >250 To 500, Deduct	*-98.62*	
		For >500 To 1,000, Deduct	*-136.02*	
		For >1,000, Deduct	*-173.41*	

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	881.35	68.39
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*96.89*	
		For >50 To 100, Deduct	*-44.07*	
		For >100 To 250, Deduct	*-66.10*	
		For >250 To 500, Deduct	*-106.75*	
		For >500 To 1,000, Deduct	*-147.40*	
		For >1,000, Deduct	*-188.05*	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	999.15	68.98
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*29.25*	
		For >50 To 100, Deduct	*-49.96*	
		For >100 To 250, Deduct	*-74.94*	
		For >250 To 500, Deduct	*-121.44*	
		For >500 To 1,000, Deduct	*-167.95*	
		For >1,000, Deduct	*-214.46*	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,090.05	69.57
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*121.08*	
		For >50 To 100, Deduct	*-54.50*	
		For >100 To 250, Deduct	*-81.75*	
		For >250 To 500, Deduct	*-132.78*	
		For >500 To 1,000, Deduct	*-183.80*	
		For >1,000, Deduct	*-234.83*	

26 56 19 00-0108 LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*

26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0108)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0110	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	458.98	65.71
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-22.95*	
		For >100 To 250, Deduct	*-34.42*	
		For >250 To 500, Deduct	*-54.09*	
		For >500 To 1,000, Deduct	*-73.75*	
		For >1,000, Deduct	*-93.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0111	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	460.76	66.61
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-23.04*	
		For >100 To 250, Deduct	*-34.56*	
		For >250 To 500, Deduct	*-54.27*	
		For >500 To 1,000, Deduct	*-73.97*	
		For >1,000, Deduct	*-93.68*	
26 56 19 00-0112	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	485.51	67.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-24.28*	
		For >100 To 250, Deduct	*-36.41*	
		For >250 To 500, Deduct	*-57.31*	
		For >500 To 1,000, Deduct	*-78.20*	
		For >1,000, Deduct	*-99.09*	
26 56 19 00-0113	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	511.72	68.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-25.59*	
		For >100 To 250, Deduct	*-38.38*	
		For >250 To 500, Deduct	*-60.55*	
		For >500 To 1,000, Deduct	*-82.71*	
		For >1,000, Deduct	*-104.88*	
26 56 19 00-0114	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	582.66	69.88
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-29.13*	
		For >100 To 250, Deduct	*-43.70*	
		For >250 To 500, Deduct	*-69.34*	
		For >500 To 1,000, Deduct	*-94.98*	
		For >1,000, Deduct	*-120.62*	
26 56 19 00-0115	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	620.94	70.46
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.05*	
		For >100 To 250, Deduct	*-46.57*	
		For >250 To 500, Deduct	*-74.09*	
		For >500 To 1,000, Deduct	*-101.62*	
		For >1,000, Deduct	*-129.14*	
26 56 19 00-0116	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	693.06	71.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-34.65*	
		For >100 To 250, Deduct	*-51.98*	
		For >250 To 500, Deduct	*-83.06*	
		For >500 To 1,000, Deduct	*-114.14*	
		For >1,000, Deduct	*-145.21*	
26 56 19 00-0117	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	847.31	73.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-42.37*	
		For >100 To 250, Deduct	*-63.55*	
		For >250 To 500, Deduct	*-102.24*	
		For >500 To 1,000, Deduct	*-140.94*	
		For >1,000, Deduct	*-179.63*	
26 56 19 00-0118	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,019.86	77.31
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.99*	
		For >100 To 250, Deduct	*-76.49*	
		For >250 To 500, Deduct	*-123.62*	
		For >500 To 1,000, Deduct	*-170.74*	
		For >1,000, Deduct	*-217.87*	

26 56 19 00-0119 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

26 56 19 00-0120 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0119)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0121	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,068.29	67.64
		For >50 To 100, Deduct	*-53.41*	
		For >100 To 250, Deduct	*-80.12*	
		For >250 To 500, Deduct	*-130.15*	
		For >500 To 1,000, Deduct	*-180.19*	
		For >1,000, Deduct	*-230.22*	
26 56 19 00-0122	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,371.35	69.57
		For >50 To 100, Deduct	*-68.57*	
		For >100 To 250, Deduct	*-102.85*	
		For >250 To 500, Deduct	*-167.94*	
		For >500 To 1,000, Deduct	*-233.03*	
		For >1,000, Deduct	*-298.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0123	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,991.46	71.51
		For >50 To 100, Deduct	*-99.57*	
		For >100 To 250, Deduct	*-149.36*	
		For >250 To 500, Deduct	*-245.36*	
		For >500 To 1,000, Deduct	*-341.36*	
		For >1,000, Deduct	*-437.35*	
26 56 19 00-0124	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,613.20	74.33
		For >50 To 100, Deduct	*-130.66*	
		For >100 To 250, Deduct	*-195.99*	
		For >250 To 500, Deduct	*-322.93*	
		For >500 To 1,000, Deduct	*-449.88*	
		For >1,000, Deduct	*-576.82*	
26 56 19 00-0125	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,222.94	76.42
		For >50 To 100, Deduct	*-161.15*	
		For >100 To 250, Deduct	*-241.72*	
		For >250 To 500, Deduct	*-399.05*	
		For >500 To 1,000, Deduct	*-556.37*	
		For >1,000, Deduct	*-713.70*	

26 56 19 00-0126 LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*

26 56 19 00-0127 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0126)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0128	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	468.41	67.64
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-23.42*	
		For >100 To 250, Deduct	*-35.13*	
		For >250 To 500, Deduct	*-55.17*	
		For >500 To 1,000, Deduct	*-75.21*	
		For >1,000, Deduct	*-95.25*	
26 56 19 00-0129	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	480.71	68.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-24.04*	
		For >100 To 250, Deduct	*-36.05*	
		For >250 To 500, Deduct	*-56.67*	
		For >500 To 1,000, Deduct	*-77.29*	
		For >1,000, Deduct	*-97.90*	
26 56 19 00-0130	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	524.87	68.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-26.24*	
		For >100 To 250, Deduct	*-39.37*	
		For >250 To 500, Deduct	*-62.17*	
		For >500 To 1,000, Deduct	*-84.97*	
		For >1,000, Deduct	*-107.77*	
26 56 19 00-0131	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	634.03	71.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-31.70*	
		For >100 To 250, Deduct	*-47.55*	
		For >250 To 500, Deduct	*-75.68*	
		For >500 To 1,000, Deduct	*-103.80*	
		For >1,000, Deduct	*-131.93*	
26 56 19 00-0132	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	772.02	73.44
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-38.60*	
		For >100 To 250, Deduct	*-57.90*	
		For >250 To 500, Deduct	*-92.83*	
		For >500 To 1,000, Deduct	*-127.76*	
		For >1,000, Deduct	*-162.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0133	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	774.40	74.63
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-38.72*	
		For >100 To 250, Deduct	*-58.08*	
		For >250 To 500, Deduct	*-93.07*	
		For >500 To 1,000, Deduct	*-128.06*	
		For >1,000, Deduct	*-163.05*	
26 56 19 00-0134	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	995.25	75.82
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-49.76*	
		For >100 To 250, Deduct	*-74.64*	
		For >250 To 500, Deduct	*-120.62*	
		For >500 To 1,000, Deduct	*-166.59*	
		For >1,000, Deduct	*-212.56*	
26 56 19 00-0135	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,050.15	77.31
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-52.51*	
		For >100 To 250, Deduct	*-78.76*	
		For >250 To 500, Deduct	*-127.40*	
		For >500 To 1,000, Deduct	*-176.05*	
		For >1,000, Deduct	*-224.69*	
26 56 19 00-0136	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,195.29	78.49
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-59.76*	
		For >100 To 250, Deduct	*-89.65*	
		For >250 To 500, Deduct	*-145.49*	
		For >500 To 1,000, Deduct	*-201.33*	
		For >1,000, Deduct	*-257.17*	
26 56 19 00-0137	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,295.01	79.69
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-64.75*	
		For >100 To 250, Deduct	*-97.13*	
		For >250 To 500, Deduct	*-157.89*	
		For >500 To 1,000, Deduct	*-218.66*	
		For >1,000, Deduct	*-279.42*	
26 56 19 00-0138	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	571.56	68.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-28.58*	
		For >100 To 250, Deduct	*-42.87*	
		For >250 To 500, Deduct	*-68.03*	
		For >500 To 1,000, Deduct	*-93.18*	
		For >1,000, Deduct	*-118.34*	
26 56 19 00-0139	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	642.18	70.17
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-32.11*	
		For >100 To 250, Deduct	*-48.16*	
		For >250 To 500, Deduct	*-76.76*	
		For >500 To 1,000, Deduct	*-105.36*	
		For >1,000, Deduct	*-133.97*	
26 56 19 00-0140	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	705.42	71.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-35.27*	
		For >100 To 250, Deduct	*-52.91*	
		For >250 To 500, Deduct	*-84.60*	
		For >500 To 1,000, Deduct	*-116.30*	
		For >1,000, Deduct	*-147.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0141	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	758.44	73.15
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-37.92*	
		For >100 To 250, Deduct	*-56.88*	
		For >250 To 500, Deduct	*-91.15*	
		For >500 To 1,000, Deduct	*-125.41*	
		For >1,000, Deduct	*-159.68*	
26 56 19 00-0142	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	815.88	73.73
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-40.79*	
		For >100 To 250, Deduct	*-61.19*	
		For >250 To 500, Deduct	*-98.30*	
		For >500 To 1,000, Deduct	*-135.41*	
		For >1,000, Deduct	*-172.51*	
26 56 19 00-0143	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,005.09	76.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-50.25*	
		For >100 To 250, Deduct	*-75.38*	
		For >250 To 500, Deduct	*-121.82*	
		For >500 To 1,000, Deduct	*-168.25*	
		For >1,000, Deduct	*-214.68*	
26 56 19 00-0144	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,161.64	77.91
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-58.08*	
		For >100 To 250, Deduct	*-87.12*	
		For >250 To 500, Deduct	*-141.31*	
		For >500 To 1,000, Deduct	*-195.50*	
		For >1,000, Deduct	*-249.68*	
26 56 19 00-0145	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,248.77	78.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-62.44*	
		For >100 To 250, Deduct	*-93.66*	
		For >250 To 500, Deduct	*-152.19*	
		For >500 To 1,000, Deduct	*-210.71*	
		For >1,000, Deduct	*-269.24*	
26 56 19 00-0146	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,330.58	79.09
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-66.53*	
		For >100 To 250, Deduct	*-99.79*	
		For >250 To 500, Deduct	*-162.37*	
		For >500 To 1,000, Deduct	*-224.94*	
		For >1,000, Deduct	*-287.52*	
26 56 19 00-0147	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	610.00	74.63
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-30.50*	
		For >100 To 250, Deduct	*-45.75*	
		For >250 To 500, Deduct	*-72.52*	
		For >500 To 1,000, Deduct	*-99.29*	
		For >1,000, Deduct	*-126.06*	
26 56 19 00-0148	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	676.38	75.37
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-33.82*	
		For >100 To 250, Deduct	*-50.73*	
		For >250 To 500, Deduct	*-80.78*	
		For >500 To 1,000, Deduct	*-110.83*	
		For >1,000, Deduct	*-140.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0149	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	437.14	68.24
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-32.79*	
		For >250 To 500, Deduct	*-51.23*	
		For >500 To 1,000, Deduct	*-69.68*	
		For >1,000, Deduct	*-88.12*	
26 56 19 00-0150	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	446.99	68.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-22.35*	
		For >100 To 250, Deduct	*-33.52*	
		For >250 To 500, Deduct	*-52.43*	
		For >500 To 1,000, Deduct	*-71.34*	
		For >1,000, Deduct	*-90.25*	
26 56 19 00-0151	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	499.42	70.17
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-24.97*	
		For >100 To 250, Deduct	*-37.46*	
		For >250 To 500, Deduct	*-58.92*	
		For >500 To 1,000, Deduct	*-80.38*	
		For >1,000, Deduct	*-101.84*	
26 56 19 00-0152	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	863.30	75.82
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-43.17*	
		For >100 To 250, Deduct	*-64.75*	
		For >250 To 500, Deduct	*-104.12*	
		For >500 To 1,000, Deduct	*-143.50*	
		For >1,000, Deduct	*-182.87*	
26 56 19 00-0153	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,188.20	78.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-59.41*	
		For >100 To 250, Deduct	*-89.12*	
		For >250 To 500, Deduct	*-144.62*	
		For >500 To 1,000, Deduct	*-200.12*	
		For >1,000, Deduct	*-255.62*	
26 56 19 00-0154	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,033.06	78.49
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-51.65*	
		For >100 To 250, Deduct	*-77.48*	
		For >250 To 500, Deduct	*-125.21*	
		For >500 To 1,000, Deduct	*-172.94*	
		For >1,000, Deduct	*-220.66*	
26 56 19 00-0155	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	411.49	68.39
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-20.57*	
		For >100 To 250, Deduct	*-30.86*	
		For >250 To 500, Deduct	*-48.02*	
		For >500 To 1,000, Deduct	*-65.17*	
		For >1,000, Deduct	*-82.33*	

26 56 19 00-0156 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0157 Pole Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0158 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,360.39	50.55
		For >50 To 100, Deduct	*-118.02*	
		For >100 To 250, Deduct	*-177.03*	
		For >250 To 500, Deduct	*-292.52*	
		For >500 To 1,000, Deduct	*-408.01*	
		For >1,000, Deduct	*-523.51*	
26 56 19 00-0160	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,547.09	53.52
		For >50 To 100, Deduct	*-127.35*	
		For >100 To 250, Deduct	*-191.03*	
		For >250 To 500, Deduct	*-315.71*	
		For >500 To 1,000, Deduct	*-440.39*	
		For >1,000, Deduct	*-565.07*	
26 56 19 00-0161	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,739.72	59.47
		For >50 To 100, Deduct	*-136.99*	
		For >100 To 250, Deduct	*-205.48*	
		For >250 To 500, Deduct	*-339.49*	
		For >500 To 1,000, Deduct	*-473.50*	
		For >1,000, Deduct	*-607.52*	
26 56 19 00-0162	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,745.67	62.44
		For >50 To 100, Deduct	*-137.28*	
		For >100 To 250, Deduct	*-205.93*	
		For >250 To 500, Deduct	*-340.09*	
		For >500 To 1,000, Deduct	*-474.25*	
		For >1,000, Deduct	*-608.41*	

26 56 19 00-0163 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

26 56 19 00-0164	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,068.24	53.52
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*31.75*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-53.41*	
		For >100 To 250, Deduct	*-80.12*	
		For >250 To 500, Deduct	*-130.85*	
		For >500 To 1,000, Deduct	*-181.59*	
		For >1,000, Deduct	*-232.33*	
26 56 19 00-0165	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,305.07	56.49
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*32.05*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-65.25*	
		For >100 To 250, Deduct	*-97.88*	
		For >250 To 500, Deduct	*-160.31*	
		For >500 To 1,000, Deduct	*-222.74*	
		For >1,000, Deduct	*-285.17*	
26 56 19 00-0166	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,634.55	59.47
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*32.35*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-81.73*	
		For >100 To 250, Deduct	*-122.59*	
		For >250 To 500, Deduct	*-201.35*	
		For >500 To 1,000, Deduct	*-280.10*	
		For >1,000, Deduct	*-358.85*	
26 56 19 00-0167	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,871.38	62.44
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*32.64*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-93.57*	
		For >100 To 250, Deduct	*-140.35*	
		For >250 To 500, Deduct	*-230.80*	
		For >500 To 1,000, Deduct	*-321.25*	
		For >1,000, Deduct	*-411.69*	
26 56 19 00-0168	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,108.20	65.41
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*32.94*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-105.41*	
		For >100 To 250, Deduct	*-158.12*	
		For >250 To 500, Deduct	*-260.25*	
		For >500 To 1,000, Deduct	*-362.39*	
		For >1,000, Deduct	*-464.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,418.85	68.39
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*33.24*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-120.94*	
		For >100 To 250, Deduct	*-181.41*	
		For >250 To 500, Deduct	*-298.94*	
		For >500 To 1,000, Deduct	*-416.46*	
		For >1,000, Deduct	*-533.98*	
26 56 19 00-0170	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,655.66	71.36
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*33.54*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-132.78*	
		For >100 To 250, Deduct	*-199.17*	
		For >250 To 500, Deduct	*-328.39*	
		For >500 To 1,000, Deduct	*-457.60*	
		For >1,000, Deduct	*-586.82*	

26 56 19 00-0171 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0172	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,937.73	65.41
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*35.72*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.61*	
		For >50 To 100, Deduct	*-96.89*	
		For >100 To 250, Deduct	*-145.33*	
		For >250 To 500, Deduct	*-238.95*	
		For >500 To 1,000, Deduct	*-332.56*	
		For >1,000, Deduct	*-426.18*	
26 56 19 00-0173	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	3,328.97	80.27
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*54.72*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-166.45*	
		For >100 To 250, Deduct	*-249.67*	
		For >250 To 500, Deduct	*-412.11*	
		For >500 To 1,000, Deduct	*-574.54*	
		For >1,000, Deduct	*-736.98*	

26 56 19 00-0174 Wall Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0175 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0174)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0176	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	970.47	50.55
		For >50 To 100, Deduct	*-48.52*	
		For >100 To 250, Deduct	*-72.79*	
		For >250 To 500, Deduct	*-118.78*	
		For >500 To 1,000, Deduct	*-164.78*	
		For >1,000, Deduct	*-210.77*	
26 56 19 00-0177	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	982.37	56.49
		For >50 To 100, Deduct	*-49.12*	
		For >100 To 250, Deduct	*-73.68*	
		For >250 To 500, Deduct	*-119.97*	
		For >500 To 1,000, Deduct	*-166.27*	
		For >1,000, Deduct	*-212.56*	

26 56 19 00-0178 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0156)*

26 56 19 00-0179 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0180	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	930.03	53.52
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-46.50*	
		For >100 To 250, Deduct	*-69.75*	
		For >250 To 500, Deduct	*-113.58*	
		For >500 To 1,000, Deduct	*-157.40*	
		For >1,000, Deduct	*-201.23*	
26 56 19 00-0181	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,166.86	56.49
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-58.34*	
		For >100 To 250, Deduct	*-87.51*	
		For >250 To 500, Deduct	*-143.03*	
		For >500 To 1,000, Deduct	*-198.55*	
		For >1,000, Deduct	*-254.07*	
26 56 19 00-0182	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,403.67	59.47
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-70.18*	
		For >100 To 250, Deduct	*-105.28*	
		For >250 To 500, Deduct	*-172.49*	
		For >500 To 1,000, Deduct	*-239.70*	
		For >1,000, Deduct	*-306.91*	
26 56 19 00-0183	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,640.50	62.44
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-82.03*	
		For >100 To 250, Deduct	*-123.04*	
		For >250 To 500, Deduct	*-201.94*	
		For >500 To 1,000, Deduct	*-280.84*	
		For >1,000, Deduct	*-359.75*	

26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0185	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	892.34	53.52
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-44.62*	
		For >100 To 250, Deduct	*-66.93*	
		For >250 To 500, Deduct	*-108.87*	
		For >500 To 1,000, Deduct	*-150.81*	
		For >1,000, Deduct	*-192.75*	
26 56 19 00-0186	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	990.95	56.49
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-49.55*	
		For >100 To 250, Deduct	*-74.32*	
		For >250 To 500, Deduct	*-121.04*	
		For >500 To 1,000, Deduct	*-167.77*	
		For >1,000, Deduct	*-214.49*	

26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0178)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0188	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	907.68	53.52
		For >50 To 100, Deduct	*-45.38*	
		For >100 To 250, Deduct	*-68.08*	
		For >250 To 500, Deduct	*-110.78*	
		For >500 To 1,000, Deduct	*-153.49*	
		For >1,000, Deduct	*-196.20*	

26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0190	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,949.23	56.49
		For >50 To 100, Deduct	*-97.46*	
		For >100 To 250, Deduct	*-146.19*	
		For >250 To 500, Deduct	*-240.83*	
		For >500 To 1,000, Deduct	*-335.47*	
		For >1,000, Deduct	*-430.10*	
26 56 19 00-0191	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,961.12	62.44
		For >50 To 100, Deduct	*-98.06*	
		For >100 To 250, Deduct	*-147.08*	
		For >250 To 500, Deduct	*-242.02*	
		For >500 To 1,000, Deduct	*-336.95*	
		For >1,000, Deduct	*-431.89*	

26 56 19 00-0192 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0156)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0193		Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0192)* Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,096.51	53.52
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-54.83*	
		For >100 To 250, Deduct	*-82.24*	
		For >250 To 500, Deduct	*-134.39*	
		For >500 To 1,000, Deduct	*-186.54*	
		For >1,000, Deduct	*-238.69*	
26 56 19 00-0195	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,333.34	56.49
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-66.67*	
		For >100 To 250, Deduct	*-100.00*	
		For >250 To 500, Deduct	*-163.84*	
		For >500 To 1,000, Deduct	*-227.69*	
		For >1,000, Deduct	*-291.53*	
26 56 19 00-0196	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,570.16	59.47
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-78.51*	
		For >100 To 250, Deduct	*-117.76*	
		For >250 To 500, Deduct	*-193.30*	
		For >500 To 1,000, Deduct	*-268.83*	
		For >1,000, Deduct	*-344.37*	
26 56 19 00-0197	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,806.98	62.44
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-90.35*	
		For >100 To 250, Deduct	*-135.52*	
		For >250 To 500, Deduct	*-222.75*	
		For >500 To 1,000, Deduct	*-309.98*	
		For >1,000, Deduct	*-397.20*	
26 56 19 00-0198	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,043.81	65.41
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-102.19*	
		For >100 To 250, Deduct	*-153.29*	
		For >250 To 500, Deduct	*-252.21*	
		For >500 To 1,000, Deduct	*-351.13*	
		For >1,000, Deduct	*-450.05*	
26 56 19 00-0199	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,373.30	68.39
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-118.67*	
		For >100 To 250, Deduct	*-178.00*	
		For >250 To 500, Deduct	*-293.24*	
		For >500 To 1,000, Deduct	*-408.49*	
		For >1,000, Deduct	*-523.73*	
26 56 19 00-0200	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,610.12	71.36
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-130.51*	
		For >100 To 250, Deduct	*-195.76*	
		For >250 To 500, Deduct	*-322.70*	
		For >500 To 1,000, Deduct	*-449.64*	
		For >1,000, Deduct	*-576.57*	
26 56 19 00-0201	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,083.77	77.31
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-154.19*	
		For >100 To 250, Deduct	*-231.28*	
		For >250 To 500, Deduct	*-381.61*	
		For >500 To 1,000, Deduct	*-531.93*	
		For >1,000, Deduct	*-682.25*	
26 56 19 00-0202	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,551.46	80.27
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-177.57*	
		For >100 To 250, Deduct	*-266.36*	
		For >250 To 500, Deduct	*-439.92*	
		For >500 To 1,000, Deduct	*-613.48*	
		For >1,000, Deduct	*-787.04*	
26 56 19 00-0203		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0192)* Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	711.04	59.47
		For >50 To 100, Deduct	*-35.55*	
		For >100 To 250, Deduct	*-53.33*	
		For >250 To 500, Deduct	*-85.91*	
		For >500 To 1,000, Deduct	*-118.49*	
		For >1,000, Deduct	*-151.06*	
26 56 19 00-0205		Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0156)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0206		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0205)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0207	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	911.18	53.52
		For >50 To 100, Deduct	*-45.56*	
		For >100 To 250, Deduct	*-68.34*	
		For >250 To 500, Deduct	*-111.22*	
		For >500 To 1,000, Deduct	*-154.10*	
		For >1,000, Deduct	*-196.99*	
26 56 19 00-0208	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,009.80	56.49
		For >50 To 100, Deduct	*-50.49*	
		For >100 To 250, Deduct	*-75.74*	
		For >250 To 500, Deduct	*-123.40*	
		For >500 To 1,000, Deduct	*-171.07*	
		For >1,000, Deduct	*-218.73*	
26 56 19 00-0209		Surface Mount, LED Area Fixtures *(26 56 19 00-0156)*		
26 56 19 00-0210		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0209)* Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	590.37	53.52
		For >50 To 100, Deduct	*-29.52*	
		For >100 To 250, Deduct	*-44.28*	
		For >250 To 500, Deduct	*-71.12*	
		For >500 To 1,000, Deduct	*-97.96*	
		For >1,000, Deduct	*-124.81*	
26 56 19 00-0212	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,384.52	53.52
		For >50 To 100, Deduct	*-69.23*	
		For >100 To 250, Deduct	*-103.84*	
		For >250 To 500, Deduct	*-170.39*	
		For >500 To 1,000, Deduct	*-236.94*	
		For >1,000, Deduct	*-303.49*	
26 56 19 00-0213	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,107.43	59.47
		For >50 To 100, Deduct	*-55.37*	
		For >100 To 250, Deduct	*-83.06*	
		For >250 To 500, Deduct	*-135.46*	
		For >500 To 1,000, Deduct	*-187.85*	
		For >1,000, Deduct	*-240.25*	
26 56 19 00-0214	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,412.46	59.47
		For >50 To 100, Deduct	*-70.62*	
		For >100 To 250, Deduct	*-105.93*	
		For >250 To 500, Deduct	*-173.58*	
		For >500 To 1,000, Deduct	*-241.23*	
		For >1,000, Deduct	*-308.88*	
26 56 19 00-0215		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0209)* Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0216	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	189.53	15.89
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-9.48*	
		For >100 To 250, Deduct	*-14.21*	
		For >250 To 500, Deduct	*-23.03*	
		For >500 To 1,000, Deduct	*-31.84*	
		For >1,000, Deduct	*-40.66*	
26 56 19 00-0217	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	224.11	15.89
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-11.21*	
		For >100 To 250, Deduct	*-16.81*	
		For >250 To 500, Deduct	*-27.35*	
		For >500 To 1,000, Deduct	*-37.89*	
		For >1,000, Deduct	*-48.44*	
26 56 19 00-0218	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	289.98	15.89
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 250, Deduct	*-21.75*	
		For >250 To 500, Deduct	*-35.59*	
		For >500 To 1,000, Deduct	*-49.42*	
		For >1,000, Deduct	*-63.26*	
26 56 19 00-0219		Surface Mount, LED Facade Fixtures *(26 56 19 00-0156)*		
26 56 19 00-0220		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0219)*		
26 56 19 00-0221	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	748.14	18.54
		For >50 To 100, Deduct	*-37.41*	
		For >100 To 250, Deduct	*-56.11*	
		For >250 To 500, Deduct	*-92.81*	
		For >500 To 1,000, Deduct	*-129.51*	
		For >1,000, Deduct	*-166.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0222	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,263.31	16.94
		For >50 To 100, Deduct	*-63.17*	
		For >100 To 250, Deduct	*-94.75*	
		For >250 To 500, Deduct	*-157.31*	
		For >500 To 1,000, Deduct	*-219.87*	
		For >1,000, Deduct	*-282.43*	
26 56 19 00-0223	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,635.18	14.11
		For >50 To 100, Deduct	*-81.76*	
		For >100 To 250, Deduct	*-122.64*	
		For >250 To 500, Deduct	*-203.89*	
		For >500 To 1,000, Deduct	*-285.15*	
		For >1,000, Deduct	*-366.40*	
26 56 19 00-0224	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	2,007.03	11.29
		For >50 To 100, Deduct	*-100.35*	
		For >100 To 250, Deduct	*-150.53*	
		For >250 To 500, Deduct	*-250.48*	
		For >500 To 1,000, Deduct	*-350.42*	
		For >1,000, Deduct	*-450.37*	

26 56 19 00-0225 Post Top, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0226 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0227	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,011.09	81.76
		For >50 To 100, Deduct	*-100.55*	
		For >100 To 250, Deduct	*-150.83*	
		For >250 To 500, Deduct	*-247.30*	
		For >500 To 1,000, Deduct	*-343.76*	
		For >1,000, Deduct	*-440.23*	
26 56 19 00-0228	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,246.82	81.76
		For >50 To 100, Deduct	*-112.34*	
		For >100 To 250, Deduct	*-168.51*	
		For >250 To 500, Deduct	*-276.76*	
		For >500 To 1,000, Deduct	*-385.02*	
		For >1,000, Deduct	*-493.27*	
26 56 19 00-0229	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,433.16	81.76
		For >50 To 100, Deduct	*-121.66*	
		For >100 To 250, Deduct	*-182.49*	
		For >250 To 500, Deduct	*-300.06*	
		For >500 To 1,000, Deduct	*-417.63*	
		For >1,000, Deduct	*-535.20*	

26 56 19 00-0230 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0231	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,415.33	81.76
		For >50 To 100, Deduct	*-120.77*	
		For >100 To 250, Deduct	*-181.15*	
		For >250 To 500, Deduct	*-297.83*	
		For >500 To 1,000, Deduct	*-414.51*	
		For >1,000, Deduct	*-531.18*	
26 56 19 00-0232	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,475.90	81.76
		For >50 To 100, Deduct	*-123.80*	
		For >100 To 250, Deduct	*-185.69*	
		For >250 To 500, Deduct	*-305.40*	
		For >500 To 1,000, Deduct	*-425.11*	
		For >1,000, Deduct	*-544.81*	

26 56 19 00-0233 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0234	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,595.31	81.76
		For >50 To 100, Deduct	*-79.77*	
		For >100 To 250, Deduct	*-119.65*	
		For >250 To 500, Deduct	*-195.33*	
		For >500 To 1,000, Deduct	*-271.00*	
		For >1,000, Deduct	*-346.68*	
26 56 19 00-0235	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,685.95	81.76
		For >50 To 100, Deduct	*-84.30*	
		For >100 To 250, Deduct	*-126.45*	
		For >250 To 500, Deduct	*-206.66*	
		For >500 To 1,000, Deduct	*-286.86*	
		For >1,000, Deduct	*-367.07*	

26 56 19 00-0236 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0237	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,183.29	81.76
		For >50 To 100, Deduct	*-59.16*	
		For >100 To 250, Deduct	*-88.75*	
		For >250 To 500, Deduct	*-143.82*	
		For >500 To 1,000, Deduct	*-198.90*	
		For >1,000, Deduct	*-253.97*	
26 56 19 00-0238	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,273.93	81.76
		For >50 To 100, Deduct	*-63.70*	
		For >100 To 250, Deduct	*-95.54*	
		For >250 To 500, Deduct	*-155.15*	
		For >500 To 1,000, Deduct	*-214.76*	
		For >1,000, Deduct	*-274.37*	

26 56 19 00-0239 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0225)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0240	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,557.12	81.76
		For >50 To 100, Deduct	*-127.86*	
		For >100 To 250, Deduct	*-191.78*	
		For >250 To 500, Deduct	*-315.55*	
		For >500 To 1,000, Deduct	*-439.32*	
		For >1,000, Deduct	*-563.09*	

26 56 19 00-0241 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0225)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0242	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	662.98	44.60
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-33.15*	
		For >100 To 250, Deduct	*-49.72*	
		For >250 To 500, Deduct	*-80.64*	
		For >500 To 1,000, Deduct	*-111.56*	
		For >1,000, Deduct	*-142.48*	

26 56 19 00-0243 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0225)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0244	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	434.84	9.52
		For Backlight Control Shield, Add	*34.96*	
		For >50 To 100, Deduct	*-21.74*	
		For >100 To 250, Deduct	*-32.61*	
		For >250 To 500, Deduct	*-53.40*	
		For >500 To 1,000, Deduct	*-74.19*	
		For >1,000, Deduct	*-94.98*	

26 56 19 00-0245 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0156)*

26 56 19 00-0246	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	511.56	14.75
		For >50 To 100, Deduct	*-25.58*	
		For >100 To 250, Deduct	*-38.37*	
		For >250 To 500, Deduct	*-63.39*	
		For >500 To 1,000, Deduct	*-88.41*	
		For >1,000, Deduct	*-113.44*	

26 56 21 HID Exterior Lighting *(26 56)*

26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,902.93	73.28
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,043.31	73.28
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,004.77	83.72
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,089.00	83.72
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,074.78	104.65
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,159.01	104.65

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,970.34	73.28
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,054.57	73.28
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,406.70	77.47
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,457.18	83.72
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,569.32	104.65

26 56 21 00-0015 HID, Pole Mounted *(26 56 21)*

26 56 21 00-0016 Metal Halide, Pole Mounted *(26 56 21 00-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	553.33	119.49
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	634.82	129.72
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	768.10	139.53
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	921.51	163.53
26 56 21 00-0021		**High Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	653.90	139.53
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	680.09	139.53
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	713.71	139.53
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	816.90	139.53
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	939.70	139.53
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	863.05	139.53
26 56 21 00-0028		**Low Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	579.29	75.90
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	523.77	111.63
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	681.53	111.63
26 56 21 00-0032		**Metal Halide, Area Fixtures** *(26 56 21)*		
26 56 21 00-0033		**Metal Halide, Pole Mount, Area Fixtures** *(26 56 21 00-0032)*		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,009.98	78.00
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,107.76	85.80
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,228.76	93.60
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,270.39	109.20
26 56 21 00-0038		**High Pressure Sodium, Area Fixtures** *(26 56 21)*		
26 56 21 00-0039		**Pole Mount, High Pressure Sodium Area Fixtures** *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	845.92	62.40
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	891.82	78.00
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	941.66	93.60
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	962.72	109.20
26 56 21 00-0044		**Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21)*		
26 56 21 00-0045		**Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	503.27	111.63
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	590.09	125.58
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	742.40	139.53
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	897.62	163.53
26 56 21 00-0050		**High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	513.33	95.44
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	564.96	101.58
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	613.76	107.16
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	632.12	111.63
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	710.29	125.58
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	766.20	139.53
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,033.46	163.53
26 56 21 00-0058		**Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21)*		
26 56 21 00-0059		**High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	696.31	75.35
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	710.06	83.72
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	745.00	95.44
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	759.35	101.58
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	773.14	107.16
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	811.54	111.63
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	893.07	125.58
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,120.78	139.53
26 56 21 00-0068		**Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	765.19	83.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	791.72	95.44
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	813.97	101.58
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	844.50	107.16
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	858.30	111.63
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	942.21	125.58
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,251.48	139.53
26 56 21 00-0076		**Wall Packs** *(26 56 21)*		
26 56 21 00-0077		**Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	260.16	22.08
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	288.66	22.08
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	288.66	22.08
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	426.79	22.08
26 56 21 00-0082		**Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	649.75	22.08
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	659.99	22.08
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	668.86	22.08
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	652.69	22.08
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	586.22	22.08
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	549.71	22.08
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)* Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	691.80	22.08
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	701.14	22.08
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	685.00	22.08
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	698.00	22.08
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	698.00	22.08
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	606.48	29.41
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	606.48	29.41
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	556.45	29.41
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	575.62	29.41
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	575.62	29.41
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	520.15	29.41
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	636.12	29.41
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	636.12	29.41
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	636.12	29.41
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	606.69	29.41
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	606.69	29.41
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	606.69	29.41
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)* Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	875.57	29.41
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)* Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	766.21	36.43
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	834.03	36.43
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	914.89	36.43
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	937.15	36.43
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)* Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	853.44	36.43
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	929.65	36.43
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)* Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	724.34	44.16
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	643.63	44.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	705.66	44.16
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	711.84	44.16
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	718.31	44.16
26 56 21 00-0125		Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	724.36	44.16
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	751.29	44.16
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	832.00	44.16
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	778.20	44.16
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	805.14	44.16
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	858.89	44.16
26 56 21 00-0132		Semi-Cutoff, Induction Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0133		Semi-Cutoff, Induction Wall Packs (Everlast®) *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,132.19	50.55
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,149.63	53.52
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,167.07	56.49
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,310.87	59.47
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	272.72	22.08
26 56 21 00-0140		Induction, Roadway Lighting *(26 56 21)*		
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	479.22	89.20
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	544.14	92.17
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	556.04	98.12
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	567.93	104.07
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	709.54	107.04
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	720.21	110.01
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	429.67	89.20
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	501.67	92.17
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	513.57	98.12
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	525.46	104.07
26 56 21 00-0152		Induction, Area Fixtures *(26 56 21)*		
26 56 21 00-0153		Post Top, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	589.40	81.76
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	657.82	81.76
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	657.82	81.76
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	657.82	81.76
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	532.21	74.33
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	575.30	75.82
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	583.00	77.31
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	590.68	78.80
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	598.38	80.27
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	610.80	81.76
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	651.42	77.31
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	659.10	78.80
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	666.80	80.27
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	699.27	81.76
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,189.63	50.55
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,218.56	53.52
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,247.49	56.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	919.76	45.43
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,147.02	60.59
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	1,851.59	90.87
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	11.04	0.67
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	40.28	12.00
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	149.84	12.00
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	165.13	12.00
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	356.06	12.00
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	71.72	2.22
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	19.40	2.22
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	21.24	2.22
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	24.65	2.22

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	5.94	1.11
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.04*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
		For Painted Powder Coated Finish, Add	*0.76*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	6.52	1.11
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
		For Painted Powder Coated Finish, Add	*2.65*	
		For Low Friction Xylan® Coated Finish, Add	*9.44*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	7.41	1.11
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.19*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
		For Painted Powder Coated Finish, Add	*3.25*	
		For Low Friction Xylan® Coated Finish, Add	*11.73*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	15.13	1.11
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.96*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
		For Painted Powder Coated Finish, Add	*1.74*	
		For Low Friction Xylan® Coated Finish, Add	*10.40*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	7.30	1.11
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.17*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	10.77	1.11
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.52*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	12.46	1.11
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.69*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	18.52	1.11
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.67*	
		For >500, Deduct	*-2.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.66*	
		For Work In Restricted Working Space, Add	*0.67*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.94	1.11
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	10.26	1.11
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	11.46	1.11
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	17.18	1.11
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.57*	
		For >500, Deduct	*-2.16*	
		For Work In Restricted Working Space, Add	*0.67*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	10.48	1.11
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	14.40	1.11
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	15.42	1.11
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-1.99*	
		For Work In Restricted Working Space, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021		Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*		
		Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.		
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	7.63	1.11
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	8.16	1.11
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	10.88	1.11
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.53*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0025		Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*		
		Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	10.57	1.11
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	11.84	1.11
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	18.16	1.11
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.64*	
		For >500, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0029		Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*		
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	10.39	1.11
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.48*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	12.66	1.11
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	13.86	1.11
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.83*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	20.45	1.11
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*0.67*	
27 05 29 00-0034		Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	33.42	1.45
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.23*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.21*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	34.27	1.45
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-4.31*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	38.68	1.45
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.45*	
		For >500, Deduct	*-4.75*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	33.28	1.45
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	35.32	1.45
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.99*	
		For >250 To 500, Deduct	*-3.20*	
		For >500, Deduct	*-4.42*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	37.35	1.45
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.62*	
		For Work In Restricted Working Space, Add	*1.33*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	34.64	1.45
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-4.35*	
		For Work In Restricted Working Space, Add	*1.33*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	53.27	11.48
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*29.37*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	106.54	22.96
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*58.72*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	281.45	33.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	380.31	36.43
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	437.47	41.95
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	455.43	43.05
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	596.01	44.16
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	760.83	49.68
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	789.35	48.57
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	984.44	69.20
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,043.79	76.04
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,313.68	80.33
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,085.61	66.24
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,173.50	71.76
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,451.37	91.99
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,722.06	115.00
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,029.16	113.71
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,295.37	138.36

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	331.85	70.65
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	526.13	75.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	572.94	79.49
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	517.65	61.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	578.90	62.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	574.75	64.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	591.07	65.13
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	607.16	66.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	624.84	67.34
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	500.77	68.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	659.03	69.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	686.24	70.65
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	709.60	71.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	712.87	72.86
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	558.08	61.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	580.40	62.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	599.65	64.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	638.42	65.13
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	655.91	66.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	675.20	67.34
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	551.71	68.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	712.48	69.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	742.22	70.65
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	767.79	71.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	771.15	72.86
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	724.44	66.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	766.63	68.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	557.06	61.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	613.38	62.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	622.38	64.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	637.18	65.13
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	654.62	66.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	673.85	67.34
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	692.21	68.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	711.05	69.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	740.75	70.65
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	766.24	71.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	769.54	72.86
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	601.57	61.82
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	673.75	62.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	681.47	64.03
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	689.22	65.13
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	708.24	66.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	729.26	67.34
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	749.25	68.45
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	769.80	69.55
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	802.29	70.65
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	830.22	71.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	833.78	72.86
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,167.67	110.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,291.41	114.81
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,407.42	119.24
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,209.31	110.40
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	73.27	4.42
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	83.04	4.42
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	59.06	4.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	74.74	4.42
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	89.87	4.42
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	66.78	4.42
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	105.23	4.42
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	121.55	4.42
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	82.24	4.42
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	94.10	4.42
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	106.99	4.42
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	99.68	4.42
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	118.13	4.42
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	132.76	4.42
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	150.20	4.42
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	173.59	6.62
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	252.79	6.62
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	418.92	6.62
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	476.88	6.62
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	187.11	6.62
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	274.04	6.62
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	457.56	6.62
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	515.51	6.62
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	214.15	6.62
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	303.02	6.62
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	515.51	6.62
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	573.47	6.62
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	260.52	6.62
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	310.74	6.62
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	515.51	6.62
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	612.10	6.62
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	283.70	6.62
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	333.93	6.62
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	554.15	6.62
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	650.74	6.62
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	314.61	6.62
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	364.83	6.62
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	612.10	6.62
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	708.69	6.62
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	105.42	4.42
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	113.15	4.42
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	120.87	4.42
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	109.28	4.42
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	120.87	4.42
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	132.46	4.42
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	124.74	4.42
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	136.33	4.42
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	147.92	4.42
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	132.46	4.42
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	147.92	4.42
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	159.51	4.42
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	86.10	4.42
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	101.56	4.42
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	106.77	4.42
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	62.92	4.42

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	171.36	22.08
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	279.89	22.08
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	382.59	22.08
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	478.28	22.08
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	774.07	27.60
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	901.81	33.12
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	255.62	22.08
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	286.90	22.08
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	529.63	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	999.84	33.12
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	699.29	33.12
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	724.01	33.12
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	206.16	22.08
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	15.64	
		For >5 To 10 Cables, Deduct	*-2.82*	
		For >10 Cables, Deduct	*-6.26*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	4.30	
		For >20 To 40 Pairs, Deduct	*-0.69*	
		For >40 Pairs, Deduct	*-1.63*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

27 11 19 00-0019 Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*

27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	103.24	9.94
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	168.13	9.94
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	264.13	9.94
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	384.29	16.56
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	555.21	16.56

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	410.13	16.56
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	466.98	16.56
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	506.84	16.56
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	603.15	16.56

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	513.50	16.56
		For Splice Tray Bracket, Add	*84.85*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	610.43	16.56
		For Splice Tray Bracket, Add	*92.78*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	773.80	16.56
		For Splice Tray Bracket, Add	*338.02*	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	923.19	16.56
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,204.48	16.56
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,374.99	16.56
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,809.87	16.56

27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	609.43	9.94
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	834.20	16.56
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	877.97	16.56

27 11 19 00-0044 Wall Mount, Fiber Optic Cable Environmental Connector Housings *(27 11 19 00-0019)*

Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	639.67	9.94
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	833.67	16.56
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	988.50	16.56

27 11 19 00-0048 Fiber Optic Cable Connector Panels *(27 11 19 00-0018)*

27 11 19 00-0049 SC Simplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*

27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	81.25	2.21
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	88.77	2.21
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	100.42	2.21
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	110.44	2.21
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	138.80	2.21
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	153.77	2.21

27 11 19 00-0056 SC Duplex, Fiber Optic Cable Connector Panels *(27 11 19 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	77.93	2.21
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	79.70	2.21
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	96.02	2.21
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	98.37	2.21
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	132.19	2.21
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	135.68	2.21
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	117.34	2.21
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	129.78	2.21
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	145.91	2.21
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	162.52	2.21
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	145.71	2.21
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	163.39	2.21
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	260.32	2.21
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	293.47	2.21
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	374.68	2.21
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	275.91	2.21
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	66.38	2.21
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	72.06	2.21
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	80.60	2.21
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	88.19	2.21
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	109.03	2.21
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	120.42	2.21
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	84.18	2.21
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	129.37	2.21
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,091.82	2.21
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,095.65	2.21
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	327.45	22.08
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	556.95	16.56
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	585.74	16.56
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	97.73	5.52
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	159.77	16.56
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	45.19	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	62.20	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	66.55	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	73.54	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	474.71	22.08
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	20.63	4.45
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	55.96	4.45
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	41.50	4.45
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	13.11	4.45
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	9.08	3.11
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	22.16	4.45
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	13.11	4.45
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	8.86	3.11
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	8.70	3.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	9.40	3.11
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	11.43	2.22
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	17.00	2.22
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	27.04	2.22
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	15.89	2.67
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	25.28	2.67
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	41.35	2.67
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	30.58	2.22
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box Note: Excludes box.	43.38	16.78
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	58.17	9.94
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	58.17	9.94
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	30.80	6.62
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	103.46	11.04
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	103.46	11.04
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	133.78	11.04
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	133.78	11.04
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	117.82	11.04
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,182.72	55.20
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	45.58	4.42
27 11 19 00-0135	EA	5-Pair, Connecting Block	2.32	0.44
27 11 19 00-0136	EA	4-Pair, Connecting Block	2.66	0.44
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	9.05	1.10
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	2.03	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	2.03	
27 11 19 00-0140		**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	70.65	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	141.32	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	282.63	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	423.94	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	495.92	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	743.67	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	935.32	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	1,169.37	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	1,754.04	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	2,127.19	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	2,424.43	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	19.08	2.21
27 11 23 00-0003	LF	Velcro CMP	1.52	0.45
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	92.19	10.60
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	158.31	17.66
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	28.79	3.31
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	9.00	2.21
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	10.14	2.21
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	27.84	3.98
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	66.99	6.62
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	4.76	0.97
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	30.14	5.52

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001		**Building Entrance Terminals** *(27 13 13 13)*		
27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,500.49	96.77
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,161.08	161.29
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	4,299.87	258.26
27 13 13 13-0005		**Modular Plugs For Copper Communications Cable** *(27 13 13 13)*		
27 13 13 13-0006	EA	Modular Plug For Non Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	15.34	
		For >5 To 10, Deduct	*-1.31*	
		For >10, Deduct	*-2.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	17.84	
		For >5 To 10, Deduct	*-1.48*	
		For >10, Deduct	*-2.96*	

27 13 13 13-0008 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	2.21	
		For >25-Pair, Deduct	*-0.88*	
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable	3.31	
		For >25-Pair, Deduct	*-1.31*	
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable	5.30	
		For >25-Pair, Deduct	*-2.10*	
27 13 13 13-0012	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	8.83	
		For >25-Pair, Deduct	*-3.50*	
27 13 13 13-0013	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	13.25	
		For >25-Pair, Deduct	*-5.25*	
27 13 13 13-0014	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	21.19	
		For >25-Pair, Deduct	*-8.40*	

27 13 13 13-0015 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0016	EA	100-Pair, 110 Block With Legs	43.94	5.52
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs	91.79	5.52
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block	5.35	2.21
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block	3.66	1.10
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block	3.83	1.10
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	342.95	6.62
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	570.68	6.62

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Connectors *(27 13 23 13)*

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	22.25
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	28.92
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	27.19
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	35.70
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	39.64
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	41.63
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	72.36

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	111.07
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	115.41
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	152.11
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	179.64

27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	164.60
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	193.76
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	276.06
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	349.38

27 13 23 13-0020 Fiber Optic Cable Splice Closures *(27 13 23 13)*

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	868.49	44.16
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	956.81	88.32
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	956.81	88.32
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,574.41	44.16
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,662.73	88.32
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,662.73	88.32
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	50.37	5.52

27 13 23 13-0028 Fiber Optic Cable Testing *(27 13 23 13)*

Note: Price based on testing one wavelength.

27 13 23 13-0029 Fiber Optic Cable Testing Using An OTDR *(27 13 23 13-0028)*

Note: Testing using an optical time domain reflectometer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0030	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	8.83	
		For >12 To 48 Strands, Deduct	*-0.66*	
		For >48 Strands, Deduct	*-0.88*	
27 13 23 13-0031	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	13.25	
		For >12 To 48 Strands, Deduct	*-0.99*	
		For >48 Strands, Deduct	*-1.33*	
27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	22.08	
		For >12 To 48 Strands, Deduct	*-1.66*	
		For >48 Strands, Deduct	*-2.21*	
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	33.12	
		For >12 To 48 Strands, Deduct	*-2.48*	
		For >48 Strands, Deduct	*-3.31*	
27 13 23 13-0034		**Fiber Optic Cable Testing Using A Power Meter** *(27 13 23 13-0028)*		
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	8.83	
		For >12 To 48 Strands, Deduct	*-0.66*	
		For >48 Strands, Deduct	*-0.88*	
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	13.25	
		For >12 To 48 Strands, Deduct	*-0.99*	
		For >48 Strands, Deduct	*-1.33*	
27 13 23 13-0037		**Fiber Optic Cable Light Source/Continuity Testing** *(27 13 23 13-0028)*		
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	8.83	
		For >12 To 48 Strands, Deduct	*-0.66*	
		For >48 Strands, Deduct	*-0.88*	
27 13 23 13-0039		**Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0040	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	13.25	
27 13 23 13-0041	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	44.16	
27 13 23 13-0042		**Other Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0043	EA	Fiber Optic Finger Splice	32.05	8.31
27 13 23 13-0044	EA	Fiber Optic Splice Box - Manholes	11,249.82	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable *(27 15 01 19)*

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,094.05	300.46
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,505.54	311.33
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,250.58	341.54
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,920.95	353.73
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,465.01	382.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,429.89	396.11
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,024.54	437.19
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,539.89	452.78
27 15 01 19-0012		**Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** *(27 15 01 19-0002)*		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,594.82	601.02
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,024.43	622.67
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,819.81	683.17
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,510.48	707.45
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,102.24	764.86
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,090.09	792.24
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,753.18	874.38
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,294.60	905.73
27 15 01 19-0021		**Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** *(27 15 01 19-0001)*		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	538.86	245.89
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	614.41	254.63
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	651.80	300.46
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	735.71	305.90
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	781.20	311.33
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	945.53	322.19
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,194.61	333.06
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	785.78	341.54
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	969.08	353.73
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	947.58	382.34
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,248.69	396.11
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,239.16	437.19
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,743.27	452.78
27 15 01 19-0035		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable** *(27 15 01 19-0001)*		
27 15 01 19-0036		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	528.70	245.89
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	645.20	300.46
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	799.48	305.90
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	798.86	311.33
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,037.69	322.19
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	775.81	341.54
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	991.45	353.73
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	902.71	382.34
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,427.05	396.11
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,224.49	437.19
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,014.04	452.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	938.51	491.95
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,145.97	601.02
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,309.10	611.63
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,317.75	622.67
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,574.68	644.30
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,345.04	683.17
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,580.98	707.45
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,539.94	764.86
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,087.25	792.24
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,953.13	874.38
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,768.75	905.73
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	570.51	245.89
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	675.05	300.46
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	910.31	305.90
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	829.41	311.33
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,068.93	322.19
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	844.42	341.54
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,023.19	353.73
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,050.70	382.34
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,352.84	396.11
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,334.00	437.19
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,788.73	452.78
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	980.32	491.95
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,175.82	601.02
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,419.93	611.63
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,348.30	622.67
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,605.92	644.30
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,413.65	683.17
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,612.72	707.45
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,687.93	764.86
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,013.04	792.24
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,062.64	874.38
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,543.44	905.73
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	534.74	245.89
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	698.36	300.46
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	804.84	305.90
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	892.63	311.33
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,086.91	322.19
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	819.80	341.54
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,092.80	353.73
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,009.06	382.34
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,522.28	396.11
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,276.64	437.19
27 15 01 19-0097		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*		
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	944.55	491.95
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,199.13	601.02
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,314.46	611.63
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,411.52	622.67
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,623.90	644.30
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,389.03	683.17
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,682.33	707.45
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	1,646.29	764.86
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,182.48	792.24
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,005.28	874.38

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0001		Solid Conductor Low Voltage Cable *(27 15 13)*		
27 15 13 00-0002		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
27 15 13 00-0003		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	962.17	399.19
		For #10 AWG, Add	*231.02*	
		For Work In Restricted Working Space, Add	*199.61*	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,236.74	413.29
		For #10 AWG, Add	*318.55*	
		For Work In Restricted Working Space, Add	*206.71*	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,475.90	427.81
		For #10 AWG, Add	*394.38*	
		For Work In Restricted Working Space, Add	*213.85*	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.44	442.33
		For #10 AWG, Add	*474.85*	
		For Work In Restricted Working Space, Add	*221.23*	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,994.52	472.16
		For #10 AWG, Add	*555.86*	
		For Work In Restricted Working Space, Add	*236.15*	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,234.54	501.60
		For #10 AWG, Add	*628.69*	
		For Work In Restricted Working Space, Add	*250.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,407.78	561.27
		For #10 AWG, Add	*672.98*	
		For Work In Restricted Working Space, Add	*280.58*	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,196.27	739.90
		For #10 AWG, Add	*894.49*	
		For Work In Restricted Working Space, Add	*369.88*	
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,765.74	1,092.71
		For #10 AWG, Add	*1,336.00*	
		For Work In Restricted Working Space, Add	*546.21*	

27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	865.43	349.18
		For Work In Restricted Working Space, Add	*174.55*	
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,126.13	361.68
		For Work In Restricted Working Space, Add	*180.84*	
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,352.88	374.18
		For Work In Restricted Working Space, Add	*187.13*	
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,592.96	387.09
		For Work In Restricted Working Space, Add	*193.54*	
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,842.28	413.29
		For Work In Restricted Working Space, Add	*206.61*	
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,067.48	439.10
		For Work In Restricted Working Space, Add	*219.43*	
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,225.46	491.12
		For Work In Restricted Working Space, Add	*245.56*	
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,954.51	647.16
		For Work In Restricted Working Space, Add	*323.58*	
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,407.38	956.02
		For Work In Restricted Working Space, Add	*478.05*	

27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	769.47	311.68
		For Work In Restricted Working Space, Add	*155.92*	
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	939.02	322.98
		For Work In Restricted Working Space, Add	*161.49*	
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,198.88	334.27
		For Work In Restricted Working Space, Add	*167.05*	
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,410.84	345.56
		For Work In Restricted Working Space, Add	*172.86*	
27 15 13 00-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,630.75	368.94
		For Work In Restricted Working Space, Add	*184.47*	
27 15 13 00-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,829.73	391.92
		For Work In Restricted Working Space, Add	*195.96*	
27 15 13 00-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,899.66	415.30
		For Work In Restricted Working Space, Add	*207.58*	
27 15 13 00-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,969.98	438.70
		For Work In Restricted Working Space, Add	*219.31*	
27 15 13 00-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,222.83	466.52
		For Work In Restricted Working Space, Add	*233.22*	
27 15 13 00-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,615.02	577.80
		For Work In Restricted Working Space, Add	*288.92*	
27 15 13 00-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,900.63	853.60
		For Work In Restricted Working Space, Add	*426.82*	

27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	633.57	274.59
		For Work In Restricted Working Space, Add	*137.17*	
27 15 13 00-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	799.17	284.26
		For Work In Restricted Working Space, Add	*142.13*	
27 15 13 00-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	943.65	293.95
		For Work In Restricted Working Space, Add	*147.09*	
27 15 13 00-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,096.18	304.02
		For Work In Restricted Working Space, Add	*152.05*	
27 15 13 00-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,258.39	324.59
		For Work In Restricted Working Space, Add	*162.33*	
27 15 13 00-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,405.73	344.75
		For Work In Restricted Working Space, Add	*172.50*	
27 15 13 00-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,517.94	385.88
		For Work In Restricted Working Space, Add	*192.94*	
27 15 13 00-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,013.98	508.45
		For Work In Restricted Working Space, Add	*254.27*	
27 15 13 00-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,001.61	751.19
		For Work In Restricted Working Space, Add	*375.59*	

27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0046	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	551.22	249.59
		For Work In Restricted Working Space, Add	*124.71*	
27 15 13 00-0047	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	681.44	258.46
		For Work In Restricted Working Space, Add	*129.19*	
27 15 13 00-0048	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	793.94	267.53
		For Work In Restricted Working Space, Add	*133.67*	
27 15 13 00-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	912.52	276.60
		For Work In Restricted Working Space, Add	*138.26*	
27 15 13 00-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,042.93	295.15
		For Work In Restricted Working Space, Add	*147.51*	
27 15 13 00-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,160.98	313.70
		For Work In Restricted Working Space, Add	*156.77*	
27 15 13 00-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,266.72	350.80
		For Work In Restricted Working Space, Add	*175.40*	
27 15 13 00-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,666.91	462.49
		For Work In Restricted Working Space, Add	*231.16*	
27 15 13 00-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,482.83	683.05
		For Work In Restricted Working Space, Add	*341.48*	
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,661.57	699.17
		For Work In Restricted Working Space, Add	*349.58*	
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,190.31	814.09
		For Work In Restricted Working Space, Add	*407.05*	
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,424.95	871.35
		For Work In Restricted Working Space, Add	*435.71*	
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,048.76	1,089.08
		For Work In Restricted Working Space, Add	*544.46*	
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,550.61	1,433.83
		For Work In Restricted Working Space, Add	*716.83*	

27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	445.07	224.59
		For Work In Restricted Working Space, Add	*112.25*	
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	484.49	232.65
		For Work In Restricted Working Space, Add	*116.24*	
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	534.28	240.72
		For Work In Restricted Working Space, Add	*120.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	589.02	248.78
		For Work In Restricted Working Space, Add	*124.47*	
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	666.09	265.72
		For Work In Restricted Working Space, Add	*132.82*	
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	744.87	281.44
		For Work In Restricted Working Space, Add	*140.80*	

27 15 13 00-0067 Triad *(27 15 13 00-0002)*

27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	2,088.81	334.27
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	2,612.78	462.49
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,240.99	683.05
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	5,429.15	814.09
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	9,180.04	1,261.26
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	10,631.04	1,433.83

27 15 13 00-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*

27 15 13 00-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,627.53	798.36
		For #10 AWG, Add	*364.09*	
		For Work In Restricted Working Space, Add	*399.22*	
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,925.77	826.59
		For #10 AWG, Add	*456.36*	
		For Work In Restricted Working Space, Add	*413.42*	
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,188.71	855.62
		For #10 AWG, Add	*536.94*	
		For Work In Restricted Working Space, Add	*427.69*	
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,466.87	884.66
		For #10 AWG, Add	*622.33*	
		For Work In Restricted Working Space, Add	*442.46*	
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,781.69	944.33
		For #10 AWG, Add	*713.29*	
		For Work In Restricted Working Space, Add	*472.30*	
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,070.76	1,003.20
		For #10 AWG, Add	*795.93*	
		For Work In Restricted Working Space, Add	*501.73*	
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,343.07	1,122.54
		For #10 AWG, Add	*860.04*	
		For Work In Restricted Working Space, Add	*561.17*	
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,429.20	1,479.79
		For #10 AWG, Add	*1,141.08*	
		For Work In Restricted Working Space, Add	*739.76*	
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,586.45	2,185.41
		For #10 AWG, Add	*1,700.14*	
		For Work In Restricted Working Space, Add	*1,092.43*	

27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,447.26	698.37
		For Work In Restricted Working Space, Add	*349.10*	
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,728.93	723.37
		For Work In Restricted Working Space, Add	*361.68*	
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,976.64	748.36
		For Work In Restricted Working Space, Add	*374.26*	
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,238.10	774.17
		For Work In Restricted Working Space, Add	*387.08*	
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,530.97	826.59
		For Work In Restricted Working Space, Add	*413.21*	
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,798.90	878.20
		For Work In Restricted Working Space, Add	*438.86*	
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,043.99	982.23
		For Work In Restricted Working Space, Add	*491.12*	

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27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,033.11	1,294.31
		For Work In Restricted Working Space, Add	*647.16*	
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,000.88	1,912.03
		For Work In Restricted Working Space, Add	*956.10*	

27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,289.22	623.37
		For Work In Restricted Working Space, Add	*311.85*	
27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,477.31	645.95
		For Work In Restricted Working Space, Add	*322.97*	
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,755.71	668.52
		For Work In Restricted Working Space, Add	*334.10*	
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,987.04	691.11
		For Work In Restricted Working Space, Add	*345.72*	
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,245.65	737.88
		For Work In Restricted Working Space, Add	*368.94*	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,482.94	783.85
		For Work In Restricted Working Space, Add	*391.92*	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,591.57	830.62
		For Work In Restricted Working Space, Add	*415.15*	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,701.01	877.39
		For Work In Restricted Working Space, Add	*438.62*	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,000.23	933.03
		For Work In Restricted Working Space, Add	*466.44*	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,578.09	1,155.61
		For Work In Restricted Working Space, Add	*577.85*	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,323.38	1,707.21
		For Work In Restricted Working Space, Add	*853.64*	

27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,090.82	549.18
		For Work In Restricted Working Space, Add	*274.35*	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,272.94	568.53
		For Work In Restricted Working Space, Add	*284.27*	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,433.96	587.88
		For Work In Restricted Working Space, Add	*294.19*	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,603.02	608.04
		For Work In Restricted Working Space, Add	*304.10*	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,799.50	649.17
		For Work In Restricted Working Space, Add	*324.67*	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,980.70	689.49
		For Work In Restricted Working Space, Add	*344.99*	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,161.06	771.75
		For Work In Restricted Working Space, Add	*385.88*	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,861.53	1,016.91
		For Work In Restricted Working Space, Add	*508.53*	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,253.58	1,502.38
		For Work In Restricted Working Space, Add	*751.19*	

27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	966.94	499.18
		For Work In Restricted Working Space, Add	*249.43*	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,112.06	516.92
		For Work In Restricted Working Space, Add	*258.38*	

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27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,239.49	535.07
		For Work In Restricted Working Space, Add	*267.33*	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,373.39	553.21
		For Work In Restricted Working Space, Add	*276.52*	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,534.66	590.31
		For Work In Restricted Working Space, Add	*295.03*	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,683.54	627.40
		For Work In Restricted Working Space, Add	*313.54*	
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,851.38	701.59
		For Work In Restricted Working Space, Add	*350.80*	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,437.45	924.97
		For Work In Restricted Working Space, Add	*462.32*	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,621.10	1,366.09
		For Work In Restricted Working Space, Add	*682.96*	
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,826.85	1,398.34
		For Work In Restricted Working Space, Add	*699.17*	
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,547.12	1,628.17
		For Work In Restricted Working Space, Add	*814.09*	
27 15 13 00-0129	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,877.32	1,742.69
		For Work In Restricted Working Space, Add	*871.42*	
27 15 13 00-0130	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,863.61	2,178.16
		For Work In Restricted Working Space, Add	*1,088.91*	
27 15 13 00-0131	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,940.04	2,867.65
		For Work In Restricted Working Space, Add	*1,433.66*	

27 15 13 00-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	819.25	449.18
		For Work In Restricted Working Space, Add	*224.51*	
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	871.99	465.31
		For Work In Restricted Working Space, Add	*232.49*	
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	935.47	481.44
		For Work In Restricted Working Space, Add	*240.72*	
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,003.92	497.57
		For Work In Restricted Working Space, Add	*248.94*	
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,108.81	531.44
		For Work In Restricted Working Space, Add	*265.64*	
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,214.21	562.89
		For Work In Restricted Working Space, Add	*281.60*	

27 15 13 00-0139 Triad, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,088.81	334.27
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,612.78	462.49
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,240.99	683.05
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	5,429.15	814.09
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	9,180.04	1,261.26
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	10,631.04	1,433.83

27 15 13 00-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	795.97	349.18
		For Work In Restricted Working Space, Add	*174.55*	
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	997.95	361.68
		For Work In Restricted Working Space, Add	*180.84*	
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,174.30	374.18
		For Work In Restricted Working Space, Add	*187.13*	
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,360.80	387.09
		For Work In Restricted Working Space, Add	*193.54*	

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27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,558.92	412.89
		For Work In Restricted Working Space, Add	*206.37*	
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,739.83	438.70
		For Work In Restricted Working Space, Add	*219.31*	
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,880.84	491.12
		For Work In Restricted Working Space, Add	*245.56*	
27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,495.02	647.16
		For Work In Restricted Working Space, Add	*323.58*	
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,718.15	956.02
		For Work In Restricted Working Space, Add	*478.05*	

27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	708.30	311.68
		For Work In Restricted Working Space, Add	*155.92*	
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	886.25	322.98
		For Work In Restricted Working Space, Add	*161.49*	
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,041.62	334.27
		For Work In Restricted Working Space, Add	*167.05*	
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,206.40	345.56
		For Work In Restricted Working Space, Add	*172.86*	
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,381.53	368.54
		For Work In Restricted Working Space, Add	*184.35*	
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,541.55	391.92
		For Work In Restricted Working Space, Add	*195.96*	
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,603.84	415.30
		For Work In Restricted Working Space, Add	*207.58*	
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,726.98	438.70
		For Work In Restricted Working Space, Add	*219.31*	
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,939.29	466.52
		For Work In Restricted Working Space, Add	*233.21*	
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,210.39	577.80
		For Work In Restricted Working Space, Add	*288.92*	
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,293.90	853.60
		For Work In Restricted Working Space, Add	*426.88*	

27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	614.61	274.19
		For Work In Restricted Working Space, Add	*137.17*	
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	755.97	284.26
		For Work In Restricted Working Space, Add	*142.13*	
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	837.61	294.35
		For Work In Restricted Working Space, Add	*147.09*	
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	951.83	304.02
		For Work In Restricted Working Space, Add	*152.05*	
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,072.92	324.59
		For Work In Restricted Working Space, Add	*162.33*	
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,193.63	345.15
		For Work In Restricted Working Space, Add	*172.50*	
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,489.69	385.88
		For Work In Restricted Working Space, Add	*192.94*	
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,921.40	508.45
		For Work In Restricted Working Space, Add	*254.27*	
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,424.84	751.19
		For Work In Restricted Working Space, Add	*375.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0179		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	526.80	249.59
		For Work In Restricted Working Space, Add	*124.71*	
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	620.01	258.46
		For Work In Restricted Working Space, Add	*129.19*	
27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	753.36	294.35
		For Work In Restricted Working Space, Add	*147.09*	
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	856.73	309.43
		For Work In Restricted Working Space, Add	*154.71*	
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	957.31	324.59
		For Work In Restricted Working Space, Add	*162.33*	
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,057.02	345.15
		For Work In Restricted Working Space, Add	*172.50*	
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,155.29	384.10
		For Work In Restricted Working Space, Add	*192.09*	
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,447.35	462.49
		For Work In Restricted Working Space, Add	*231.16*	
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,153.49	683.05
		For Work In Restricted Working Space, Add	*341.48*	
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,295.07	699.17
		For Work In Restricted Working Space, Add	*349.58*	
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,741.21	814.09
		For Work In Restricted Working Space, Add	*407.05*	
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,941.78	871.35
		For Work In Restricted Working Space, Add	*435.71*	
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,501.59	1,089.08
		For Work In Restricted Working Space, Add	*544.46*	
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,776.31	1,433.83
		For Work In Restricted Working Space, Add	*716.83*	
27 15 13 00-0194		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	447.83	224.59
		For Work In Restricted Working Space, Add	*112.25*	
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	488.26	232.65
		For Work In Restricted Working Space, Add	*116.24*	
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	544.50	240.72
		For Work In Restricted Working Space, Add	*120.36*	
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	607.02	248.78
		For Work In Restricted Working Space, Add	*124.47*	
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	680.51	265.72
		For Work In Restricted Working Space, Add	*132.82*	
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	762.66	281.44
		For Work In Restricted Working Space, Add	*140.80*	
27 15 13 00-0201		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*		
27 15 13 00-0202		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,377.80	698.37
		For Work In Restricted Working Space, Add	*349.10*	
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,600.75	723.37
		For Work In Restricted Working Space, Add	*361.68*	
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,798.06	748.36
		For Work In Restricted Working Space, Add	*374.26*	
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,005.94	774.17
		For Work In Restricted Working Space, Add	*387.08*	

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27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,246.79	825.78
		For Work In Restricted Working Space, Add	*412.73*	
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,470.86	877.39
		For Work In Restricted Working Space, Add	*438.62*	
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,699.37	982.23
		For Work In Restricted Working Space, Add	*491.12*	
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,573.62	1,294.31
		For Work In Restricted Working Space, Add	*647.16*	
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,311.65	1,912.03
		For Work In Restricted Working Space, Add	*956.10*	

27 15 13 00-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,228.05	623.37
		For Work In Restricted Working Space, Add	*311.85*	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,424.54	645.95
		For Work In Restricted Working Space, Add	*322.97*	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,598.45	668.52
		For Work In Restricted Working Space, Add	*334.10*	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,782.60	691.11
		For Work In Restricted Working Space, Add	*345.72*	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,996.03	737.07
		For Work In Restricted Working Space, Add	*368.70*	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,194.76	783.85
		For Work In Restricted Working Space, Add	*391.92*	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,295.75	830.62
		For Work In Restricted Working Space, Add	*415.15*	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,458.01	877.39
		For Work In Restricted Working Space, Add	*438.62*	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,716.66	933.03
		For Work In Restricted Working Space, Add	*466.42*	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,173.46	1,155.61
		For Work In Restricted Working Space, Add	*577.85*	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,716.83	1,707.21
		For Work In Restricted Working Space, Add	*853.76*	

27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,071.86	548.37
		For Work In Restricted Working Space, Add	*274.35*	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,229.74	568.53
		For Work In Restricted Working Space, Add	*284.27*	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,327.92	588.69
		For Work In Restricted Working Space, Add	*294.19*	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,458.67	608.04
		For Work In Restricted Working Space, Add	*304.10*	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,614.03	649.17
		For Work In Restricted Working Space, Add	*324.67*	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,768.60	690.30
		For Work In Restricted Working Space, Add	*344.99*	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,132.81	771.75
		For Work In Restricted Working Space, Add	*385.88*	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,768.95	1,016.91
		For Work In Restricted Working Space, Add	*508.53*	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,676.81	1,502.38
		For Work In Restricted Working Space, Add	*751.19*	

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27 15 13 00-0234		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	942.52	499.18
		For Work In Restricted Working Space, Add	*249.43*	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,050.63	516.92
		For Work In Restricted Working Space, Add	*258.38*	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,243.67	588.69
		For Work In Restricted Working Space, Add	*294.19*	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,372.44	618.85
		For Work In Restricted Working Space, Add	*309.43*	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,498.42	649.17
		For Work In Restricted Working Space, Add	*324.67*	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,631.99	690.30
		For Work In Restricted Working Space, Add	*344.99*	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,795.60	768.21
		For Work In Restricted Working Space, Add	*384.18*	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,217.89	924.97
		For Work In Restricted Working Space, Add	*462.32*	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,291.76	1,366.09
		For Work In Restricted Working Space, Add	*682.96*	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,460.35	1,398.34
		For Work In Restricted Working Space, Add	*699.17*	
27 15 13 00-0245	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,098.02	1,628.17
		For Work In Restricted Working Space, Add	*814.09*	
27 15 13 00-0246	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,394.15	1,742.69
		For Work In Restricted Working Space, Add	*871.42*	
27 15 13 00-0247	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,316.44	2,178.16
		For Work In Restricted Working Space, Add	*1,088.91*	
27 15 13 00-0248	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,165.74	2,867.65
		For Work In Restricted Working Space, Add	*1,433.66*	
27 15 13 00-0249		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0250	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	822.01	449.18
		For Work In Restricted Working Space, Add	*224.51*	
27 15 13 00-0251	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	875.76	465.31
		For Work In Restricted Working Space, Add	*232.49*	
27 15 13 00-0252	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	945.69	481.44
		For Work In Restricted Working Space, Add	*240.72*	
27 15 13 00-0253	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,021.92	497.57
		For Work In Restricted Working Space, Add	*248.94*	
27 15 13 00-0254	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,123.23	531.44
		For Work In Restricted Working Space, Add	*265.64*	
27 15 13 00-0255	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,232.00	562.89
		For Work In Restricted Working Space, Add	*281.60*	
27 15 13 00-0256		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0001)*		
		Note: Excludes excavation.		
27 15 13 00-0257	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	959.39	
27 15 13 00-0258	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,222.83	
27 15 13 00-0259	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,452.95	
27 15 13 00-0260	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,696.87	
27 15 13 00-0261	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,952.94	
27 15 13 00-0262	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,185.31	
27 15 13 00-0263		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0001)*		
27 15 13 00-0264	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	999.81	260.48
27 15 13 00-0265	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,290.70	279.07
27 15 13 00-0266	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,699.15	352.80

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27 15 13 00-0267	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,069.83	408.06
27 15 13 00-0268	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	9,080.23	465.09
27 15 13 00-0269	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,669.19	594.19
27 15 13 00-0270		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
27 15 13 00-0271	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	722.96	311.68
27 15 13 00-0272	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,016.26	322.98
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,214.53	334.27
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,305.58	345.56
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,690.34	368.54
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,848.13	391.92
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,451.74	438.70
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,957.93	577.80
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,553.67	853.60
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	610.87	274.19
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	850.15	284.26
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,043.53	294.35
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,126.01	304.02
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,452.76	324.59
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,683.81	345.15
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,912.07	385.88
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.06	508.45
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,068.32	751.19
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	520.86	249.59
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	665.80	258.46
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	805.51	267.33
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	884.35	276.60
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	978.93	295.15
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,092.19	313.70
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,224.19	350.80
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,745.61	462.49
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,704.57	683.05
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,908.22	699.17
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,481.00	814.09
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,750.28	871.35
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,417.19	1,089.08
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,071.97	1,433.83
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	12,150.27	2,641.05
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,569.11	3,495.06
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,931.52	4,404.30
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	38,354.52	6,041.35
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	482.98	249.59
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	581.07	258.46
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	675.81	267.33

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	731.76	276.60
	27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	803.45	295.15
	27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	886.94	313.70
	27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	993.75	350.80
	27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,394.27	462.49
	27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,140.20	683.05
	27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,280.20	699.17
	27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,723.09	814.09
	27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,922.29	871.35
	27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,479.50	1,089.08
	27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,745.07	1,433.83
	27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,342.20	2,641.05
	27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	14,611.41	3,495.06
	27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,864.86	4,404.30
	27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,152.51	6,041.35
	27 15 13 00-0325		Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
	27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	737.40	311.68
	27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	928.58	322.98
	27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,037.19	334.27
	27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,191.23	345.56
	27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,350.44	368.54
	27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,508.83	391.92
	27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,901.89	438.70
	27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,449.37	577.80
	27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,674.59	853.60
	27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	642.25	274.19
	27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	805.52	284.26
	27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	898.61	294.35
	27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,029.98	304.02
	27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,166.33	324.59
	27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,302.28	345.15
	27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,638.36	385.88
	27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,110.74	508.45
	27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,165.89	751.19
	27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	546.31	249.59
	27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	685.83	258.46
	27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	777.29	267.33
	27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	959.82	276.60
	27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,095.36	295.15
	27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,396.81	313.70
	27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,560.38	350.80
	27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,926.39	462.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,939.59	683.05
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,168.69	699.17
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,811.90	814.09
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,093.69	871.35
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,806.08	1,089.08
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,622.30	1,433.83
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	13,315.63	2,641.05
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,626.22	3,495.06
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	29,863.33	4,404.30
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,587.04	6,040.94
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	499.25	249.59
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	593.88	258.46
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	657.77	267.33
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	780.04	276.60
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	877.93	295.15
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,081.81	313.70
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,208.81	350.80
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,509.91	462.49
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,290.54	683.05
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,446.82	699.17
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,927.27	814.09
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,141.96	871.35
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,728.27	1,089.08
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,097.11	1,433.83
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,087.60	2,641.05
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	15,927.39	3,495.06
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,740.82	4,404.30
27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,860.94	6,041.35

27 15 13 00-0380 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0381 Indoor Telecommunications Cable *(27 15 13 00-0380)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0382 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0381)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0382)*

27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*

27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0384)*

27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	422.75	185.48
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	471.25	185.48
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	488.39	185.48
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	629.05	211.97
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	986.04	211.97
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,552.87	211.97
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,712.90	264.96
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,085.72	423.94
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,201.47	476.93
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,905.15	529.92
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	14,595.40	741.89
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	19,310.83	916.77
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	31,187.40	1,271.82
27 15 13 00-0399	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,104.72	2,543.65
27 15 13 00-0400	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	65,600.21	3,815.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0401		24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0384)*		
27 15 13 00-0402	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	731.88	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0403	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	780.38	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0404	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	797.52	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0405	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	894.01	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0406	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,251.00	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0407	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,906.15	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0408	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,154.50	529.92
		For Work In Restricted Working Space, Add	*264.96*	
27 15 13 00-0409	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,439.01	635.91
		For Work In Restricted Working Space, Add	*317.96*	
27 15 13 00-0410	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,598.92	715.40
		For Work In Restricted Working Space, Add	*357.70*	
27 15 13 00-0411	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,346.76	794.88
		For Work In Restricted Working Space, Add	*397.45*	
27 15 13 00-0412	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	15,213.65	1,112.85
		For Work In Restricted Working Space, Add	*556.42*	
27 15 13 00-0413	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	20,079.23	1,377.81
		For Work In Restricted Working Space, Add	*688.91*	
27 15 13 00-0414	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	32,247.26	1,907.73
		For Work In Restricted Working Space, Add	*953.87*	
27 15 13 00-0415	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	51,224.42	3,815.46
		For Work In Restricted Working Space, Add	*1,907.73*	
27 15 13 00-0416	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	68,779.77	5,723.20
		For Work In Restricted Working Space, Add	*2,861.60*	
27 15 13 00-0417		22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*		
27 15 13 00-0418		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0417)*		
27 15 13 00-0419	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,964.71	211.97
27 15 13 00-0420	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,586.90	264.96
27 15 13 00-0421	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,579.04	423.94
27 15 13 00-0422	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,989.83	529.92
27 15 13 00-0423	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,644.23	741.89
27 15 13 00-0424	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	30,965.52	916.77
27 15 13 00-0425	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	46,206.20	1,271.82
27 15 13 00-0426		22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0417)*		
27 15 13 00-0427	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,317.99	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0428	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,028.50	529.92
		For Work In Restricted Working Space, Add	*264.96*	
27 15 13 00-0429	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,932.33	635.91
		For Work In Restricted Working Space, Add	*317.96*	
27 15 13 00-0430	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	16,431.44	794.88
		For Work In Restricted Working Space, Add	*397.45*	
27 15 13 00-0431	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,262.48	1,112.85
		For Work In Restricted Working Space, Add	*556.42*	
27 15 13 00-0432	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	31,733.92	1,377.81
		For Work In Restricted Working Space, Add	*688.91*	
27 15 13 00-0433	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	47,266.06	1,907.73
		For Work In Restricted Working Space, Add	*953.87*	
27 15 13 00-0434		Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0382)*		
27 15 13 00-0435		24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0434)*		
27 15 13 00-0436		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0435)*		
27 15 13 00-0437	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	461.97	185.48
27 15 13 00-0438	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	510.27	185.48
27 15 13 00-0439	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	546.40	185.48
27 15 13 00-0440	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	694.19	211.97
27 15 13 00-0441	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,083.33	211.97
27 15 13 00-0442	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,138.16	211.97
27 15 13 00-0443	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,904.50	264.96
27 15 13 00-0444	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	7,582.43	423.94
27 15 13 00-0445	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	13,817.65	529.92
27 15 13 00-0446	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	20,883.36	741.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0447		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0435)*		
27 15 13 00-0448	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	771.10	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0449	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	819.40	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0450	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	855.53	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0451	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	959.15	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,348.29	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,491.44	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	4,346.10	529.92
		For Work In Restricted Working Space, Add	*264.96*	
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	7,935.72	635.91
		For Work In Restricted Working Space, Add	*317.96*	
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	14,259.26	794.88
		For Work In Restricted Working Space, Add	*397.45*	
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	21,501.61	1,112.85
		For Work In Restricted Working Space, Add	*556.42*	
27 15 13 00-0458		Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0459		Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0458)*		
27 15 13 00-0460		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0459)*		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	496.11	185.48
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	539.91	185.48
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	584.92	211.97
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	628.70	211.97
27 15 13 00-0465		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0459)*		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	805.24	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	849.04	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	938.20	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	981.98	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0470		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0458)*		
27 15 13 00-0471		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0470)*		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	657.17	185.48
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,043.57	211.97
27 15 13 00-0474		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0470)*		
27 15 13 00-0475	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	966.30	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0476	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,396.85	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0477		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0478		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0477)*		
27 15 13 00-0479		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0478)*		
27 15 13 00-0480	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	643.31	185.48
27 15 13 00-0481	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	680.68	185.48
27 15 13 00-0482		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0478)*		
27 15 13 00-0483	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	952.44	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0484	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	989.81	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0485		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0477)*		
27 15 13 00-0486		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0485)*		
27 15 13 00-0487	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	933.34	185.48

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27 15 13 00-0488		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0485)*		
27 15 13 00-0489	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	1,242.47	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0490		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0491		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0490)*		
27 15 13 00-0492		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0491)*		
27 15 13 00-0493	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	703.02	185.48
27 15 13 00-0494		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0491)*		
27 15 13 00-0495	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	1,012.15	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0496		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0490)*		
27 15 13 00-0497		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0496)*		
27 15 13 00-0498	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,095.58	185.48
27 15 13 00-0499		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0496)*		
27 15 13 00-0500	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	1,404.71	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 13 00-0501		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0502		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0501)*		
27 15 13 00-0503	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	1,871.78	211.97
27 15 13 00-0504	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,756.37	211.97
27 15 13 00-0505		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0501)*		
27 15 13 00-0506	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	2,225.06	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0507	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,109.65	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 13 00-0508		Outdoor Telecommunications Cable *(27 15 13 00-0380)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0511		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0510)*		
27 15 13 00-0512	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,365.27	211.97
27 15 13 00-0513	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,793.31	370.95
27 15 13 00-0514	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,759.54	238.47
27 15 13 00-0515	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,560.31	264.96
27 15 13 00-0516	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,482.91	370.95
27 15 13 00-0517	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,321.25	423.94
27 15 13 00-0518	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,244.24	476.93
27 15 13 00-0519	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,456.07	688.90
27 15 13 00-0520	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,800.91	900.88
27 15 13 00-0521	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	40,490.28	1,218.83
27 15 13 00-0522	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	61,990.72	2,437.65
27 15 13 00-0523	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	83,695.53	3,603.49
27 15 13 00-0524		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0510)*		
27 15 13 00-0525	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,299.02	
27 15 13 00-0526	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,727.06	
27 15 13 00-0527	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,671.21	
27 15 13 00-0528	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,471.99	
27 15 13 00-0529	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,350.42	
27 15 13 00-0530	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,100.44	
27 15 13 00-0531	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,155.93	
27 15 13 00-0532	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,191.11	
27 15 13 00-0533	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	29,248.91	
27 15 13 00-0534	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	39,518.75	
27 15 13 00-0535	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	59,341.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0536	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	79,809.40	
27 15 13 00-0537		**22 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0509)*		
27 15 13 00-0538		**22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0537)*		
27 15 13 00-0539	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,637.39	211.97
27 15 13 00-0540	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,301.70	211.97
27 15 13 00-0541	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,800.19	238.47
27 15 13 00-0542	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,412.54	264.96
27 15 13 00-0543	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,377.43	370.95
27 15 13 00-0544	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,256.29	423.94
27 15 13 00-0545	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,835.48	476.93
27 15 13 00-0546	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	33,282.70	688.90
27 15 13 00-0547	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,396.14	900.88
27 15 13 00-0548	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	65,978.14	1,218.83
27 15 13 00-0549	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	94,179.78	2,437.65
27 15 13 00-0550	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	131,853.33	3,603.49
27 15 13 00-0551		**22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0537)*		
27 15 13 00-0552	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,571.14	
27 15 13 00-0553	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,235.45	
27 15 13 00-0554	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,711.86	
27 15 13 00-0555	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,324.22	
27 15 13 00-0556	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,244.94	
27 15 13 00-0557	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,123.80	
27 15 13 00-0558	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,747.17	
27 15 13 00-0559	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	33,017.74	
27 15 13 00-0560	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,844.14	
27 15 13 00-0561	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	65,006.61	
27 15 13 00-0562	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	91,530.16	
27 15 13 00-0563	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	127,967.20	
27 15 13 00-0564		**19 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0509)*		
27 15 13 00-0565		**19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0564)*		
27 15 13 00-0566	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,008.29	238.47
27 15 13 00-0567	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,683.34	264.96
27 15 13 00-0568	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	20,532.03	370.95
27 15 13 00-0569	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,676.93	423.94
27 15 13 00-0570		**19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0564)*		
27 15 13 00-0571	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,919.96	
27 15 13 00-0572	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,595.02	
27 15 13 00-0573	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,399.54	
27 15 13 00-0574	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,544.44	
27 15 13 00-0575		**PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0508)* Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576		**24 AWG, PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0575)*		
27 15 13 00-0577		**24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0576)*		
27 15 13 00-0578	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,668.49	370.95
27 15 13 00-0579	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,192.15	370.95
27 15 13 00-0580	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,248.61	370.95
27 15 13 00-0581	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,151.09	370.95
27 15 13 00-0582	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,009.60	370.95
27 15 13 00-0583	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,020.46	476.93
27 15 13 00-0584	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,878.91	688.90
27 15 13 00-0585	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	32,753.12	900.88
27 15 13 00-0586	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	44,800.74	1,218.83
27 15 13 00-0587	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	67,565.20	2,437.65
27 15 13 00-0588	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	98,153.49	3,603.49
27 15 13 00-0589		**24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0576)*		
27 15 13 00-0590	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,536.00	
27 15 13 00-0591	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,059.66	
27 15 13 00-0592	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,116.12	
27 15 13 00-0593	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,018.60	
27 15 13 00-0594	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,877.11	
27 15 13 00-0595	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,932.15	
27 15 13 00-0596	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,613.95	
27 15 13 00-0597	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	32,201.12	
27 15 13 00-0598	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	43,829.21	
27 15 13 00-0599	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	64,915.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0600	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	94,267.36	
27 15 13 00-0601		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0602		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0601)*		
27 15 13 00-0603	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,971.24	370.95
27 15 13 00-0604	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,740.73	370.95
27 15 13 00-0605	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,378.26	370.95
27 15 13 00-0606	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,390.72	370.95
27 15 13 00-0607	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,677.33	370.95
27 15 13 00-0608	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,003.40	476.93
27 15 13 00-0609	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	38,138.84	688.90
27 15 13 00-0610	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	48,790.75	900.88
27 15 13 00-0611	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	68,299.55	1,218.83
27 15 13 00-0612	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	105,615.22	2,437.65
27 15 13 00-0613		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0601)*		
27 15 13 00-0614	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,838.75	
27 15 13 00-0615	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,608.24	
27 15 13 00-0616	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,245.77	
27 15 13 00-0617	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,258.23	
27 15 13 00-0618	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,544.84	
27 15 13 00-0619	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	25,915.09	
27 15 13 00-0620	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	37,873.88	
27 15 13 00-0621	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	48,238.75	
27 15 13 00-0622	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,328.02	
27 15 13 00-0623	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	102,965.60	
27 15 13 00-0624		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0625		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0624)*		
27 15 13 00-0626	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,005.75	370.95
27 15 13 00-0627	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,115.42	370.95
27 15 13 00-0628	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,784.72	370.95
27 15 13 00-0629		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0624)*		
27 15 13 00-0630	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,873.26	
27 15 13 00-0631	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,982.93	
27 15 13 00-0632	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,652.23	
27 15 13 00-0633		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes support wire.		
27 15 13 00-0634		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0635	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,990.80	893.02
27 15 13 00-0636	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,426.51	893.02
27 15 13 00-0637	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,508.29	893.02
27 15 13 00-0638	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,511.19	893.02
27 15 13 00-0639	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,379.76	893.02
27 15 13 00-0640	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,240.47	982.32
27 15 13 00-0641	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	28,149.02	1,071.62
27 15 13 00-0642		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0643	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,512.08	893.02
27 15 13 00-0644	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,155.82	893.02
27 15 13 00-0645	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,706.32	893.02
27 15 13 00-0646	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,769.47	893.02
27 15 13 00-0647	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,228.97	893.02
27 15 13 00-0648	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	29,183.50	982.32
27 15 13 00-0649		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0650	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,201.26	893.02
27 15 13 00-0651	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,657.04	893.02
27 15 13 00-0652	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,519.34	893.02
27 15 13 00-0653	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	16,243.99	893.02
27 15 13 00-0654	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	27,464.92	893.02
27 15 13 00-0655		Sound System Cables *(27 15 13)* Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	874.23	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	769.76	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	689.18	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	777.30	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,060.52	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,342.81	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,061.71	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	925.72	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	917.39	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	797.21	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	729.19	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	842.70	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,082.49	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,056.04	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	889.81	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,172.37	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,454.15	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	763.30	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	819.44	282.25
		For Work In Restricted Working Space, Add	*169.35*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	591.98	141.13
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	487.51	141.13
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	406.93	141.13
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	495.05	141.13
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	778.27	141.13
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,060.56	141.13
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	779.46	141.13
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	643.47	141.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0688		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	635.14	141.13
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	514.96	141.13
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	446.94	141.13
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	560.45	141.13
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	800.24	141.13
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	773.79	141.13
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	607.56	141.13
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	890.12	141.13
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,171.90	141.13
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	537.19	141.13
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	481.05	141.13
27 15 23		**Communications Optical Fiber Horizontal Cabling** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 23 00-0001		Indoor Fiber Optic Cable *(27 15 23)*		
		Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002		Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*		
27 15 23 00-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	577.69	158.98
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	671.94	158.98
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	703.41	158.98
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	815.48	158.98
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	847.61	158.98
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,041.84	158.98
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,026.08	185.48
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,063.59	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,852.10	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,005.04	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,969.44	185.48
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,225.90	185.48
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,574.92	185.48
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,938.09	211.97
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,777.69	211.97
27 15 23 00-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	604.83	158.98
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	700.93	158.98
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	959.78	158.98
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,232.26	158.98
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,491.12	158.98
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,022.46	158.98
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,202.86	185.48
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,123.84	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,031.20	185.48
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,938.56	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,845.92	185.48
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,753.28	185.48
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,581.62	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,440.51	211.97
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,255.23	211.97

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	621.83	158.98
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	722.73	158.98
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	994.53	158.98
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,280.63	158.98
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,552.43	158.98
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,110.33	158.98
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,297.54	185.48
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,314.58	185.48
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,317.30	185.48
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,320.03	185.48
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,322.76	185.48
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,325.49	185.48
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,345.25	185.48
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,394.88	211.97
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,400.33	211.97

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,451.22	158.98
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,802.72	158.98
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,576.00	158.98
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,945.04	158.98
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,459.17	158.98
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,713.25	185.48
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,333.03	185.48
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,546.20	185.48
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,050.57	185.48

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,740.83	158.98
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,206.18	158.98
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,973.41	158.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,113.74	158.98
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,587.28	158.98
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,202.86	185.48
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,911.83	185.48
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,080.25	185.48
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,096.61	185.48

27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,814.63	158.98
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,303.24	158.98
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,108.83	158.98
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,306.18	158.98
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,803.40	158.98
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,497.55	185.48
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,291.97	185.48
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,518.81	185.48
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,785.98	185.48

27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	568.60	158.98
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	573.18	158.98
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	813.73	158.98
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	841.88	158.98
		For Aluminum Armored Cable, Add	*900.93*	
		For Steel Armored Cable, Add	*5,923.53*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	983.57	158.98
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,010.08	158.98
		For Aluminum Armored Cable, Add	*938.56*	
		For Steel Armored Cable, Add	*6,372.41*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,738.24	185.48
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,649.16	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*908.76*	
		For Steel Armored Cable, Add	*6,979.56*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,060.26	185.48
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,230.10	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,393.32*	
		For Steel Armored Cable, Add	*8,926.39*	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,612.27	185.48
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,087.99	185.48
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,154.83	185.48

27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	603.00	158.98
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,004.66	158.98
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,457.81	158.98
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,920.04	158.98
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,362.95	158.98
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,747.77	158.98
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,549.35	185.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,836.20	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,099.74	185.48
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,363.28	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,626.82	185.48
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,890.36	185.48
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,440.75	185.48
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	619.91	158.98
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,041.65	158.98
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,517.45	158.98
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,002.80	158.98
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,467.85	158.98
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,871.91	158.98
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,711.36	185.48
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,162.55	185.48
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,589.27	185.48
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,015.99	185.48
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,442.70	185.48
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,869.42	185.48
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	27,747.33	185.48

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,526.18	158.98
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,953.84	158.98
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,981.95	158.98
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,989.52	158.98
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,597.59	158.98
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,518.10	185.48
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,946.30	185.48
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,975.53	185.48
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,304.70	185.48

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,446.23	158.98
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,667.28	158.98
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,846.82	158.98
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,957.63	158.98
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,680.85	158.98
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,715.32	185.48
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,380.72	185.48
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,231.33	185.48
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	31,079.64	185.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,655.29	158.98
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,937.40	158.98
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,225.91	158.98
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,392.27	158.98
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,201.65	158.98
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,435.63	185.48
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,234.30	185.48
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,177.45	185.48
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	32,618.17	185.48
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	666.02	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	760.27	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	791.74	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	903.81	211.97
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	935.94	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,130.17	211.97
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,114.41	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,151.92	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,940.43	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,093.37	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,057.77	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,314.23	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,663.25	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,026.41	264.96
		For Work In Restricted Working Space, Add	*132.48*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,866.01	264.96
		For Work In Restricted Working Space, Add	*132.48*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	693.16	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	789.26	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,048.11	211.97
		For Work In Restricted Working Space, Add	*105.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,320.59	211.97
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,579.45	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,110.79	211.97
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,291.19	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,212.17	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,119.53	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,026.89	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,934.25	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,841.61	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,669.95	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,528.83	264.96
		For Work In Restricted Working Space, Add	*132.48*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,343.55	264.96
		For Work In Restricted Working Space, Add	*132.48*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	710.16	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	811.06	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,082.86	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,368.96	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,640.76	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,198.66	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,385.87	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,402.91	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,405.63	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,408.36	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,411.09	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,413.82	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,433.58	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,483.20	264.96
		For Work In Restricted Working Space, Add	*132.48*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,488.65	264.96
		For Work In Restricted Working Space, Add	*132.48*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0211		**Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0210)*		
27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,539.55	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,891.05	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,664.33	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,033.37	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,547.50	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,801.58	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,421.36	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,634.53	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,138.90	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0221		**50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0210)*		
27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,829.16	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,294.51	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,061.74	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,202.07	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,675.61	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,291.19	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,000.16	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,168.58	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,184.94	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0231		**62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0210)*		
27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,902.96	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,391.57	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,197.16	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,394.51	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,891.73	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,585.88	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,380.30	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,607.14	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,874.31	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0241		**Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0159)*		
27 15 23 00-0242		**Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0241)*		
27 15 23 00-0243		**Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0242)*		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	656.93	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	661.51	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	902.06	211.97
		For Work In Restricted Working Space, Add	*105.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	930.21	211.97
		For Aluminum Armored Cable, Add	*900.93*	
		For Steel Armored Cable, Add	*5,923.53*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,071.90	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,098.41	211.97
		For Aluminum Armored Cable, Add	*938.56*	
		For Steel Armored Cable, Add	*6,372.41*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,826.57	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,737.49	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*908.76*	
		For Steel Armored Cable, Add	*6,979.56*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,148.59	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,318.43	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,393.32*	
		For Steel Armored Cable, Add	*8,926.39*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,700.60	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,176.32	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,243.16	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	691.33	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,092.99	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,546.14	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,008.37	211.97
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,451.28	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,836.10	211.97
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,637.68	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,924.53	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,188.07	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,451.61	238.47
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,715.15	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,978.69	238.47
		For Work In Restricted Working Space, Add	*119.24*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,529.08	238.47
		For Work In Restricted Working Space, Add	*119.24*	
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0271		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	708.24	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,129.98	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,605.78	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,091.13	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,556.18	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,960.24	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,799.69	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,250.88	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,677.60	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,104.32	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,531.03	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,957.75	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,835.66	238.47
		For Work In Restricted Working Space, Add	*119.24*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,614.51	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,042.17	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,070.28	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,077.85	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,685.92	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,606.43	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,034.63	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,063.86	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,393.03	238.47
		For Work In Restricted Working Space, Add	*119.24*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,534.56	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,755.61	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,935.15	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,045.96	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,769.18	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,803.65	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,469.05	238.47
		For Work In Restricted Working Space, Add	*119.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,319.66	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	31,167.97	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0306		**62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0285)*		
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,743.62	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,025.73	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,314.24	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,480.60	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,289.98	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,523.96	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,322.63	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,265.78	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	32,706.50	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0316		**Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0001)* Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0316)*		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,030.92	158.98
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,066.85	158.98
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,300.76	185.48
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,667.29	185.48
27 15 23 00-0322		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0316)*		
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,317.51	158.98
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,107.17	158.98
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,392.46	185.48
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,418.21	185.48
27 15 23 00-0327		**Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0001)* Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328		**Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0327)*		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,119.25	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,155.18	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	5,389.09	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	8,755.62	238.47
		For Work In Restricted Working Space, Add	*119.24*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0333		**Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed** *(27 15 23 00-0327)*		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,405.84	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,195.50	211.97
		For Work In Restricted Working Space, Add	*105.99*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,480.79	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	11,506.54	238.47
		For Work In Restricted Working Space, Add	*119.24*	
27 15 23 00-0338		**Outdoor Fiber Optic Cable** *(27 15 23)*		
		Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339		**Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0338)*		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0340		**Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0339)*		
27 15 23 00-0341		**Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,091.19	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,125.32	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,159.50	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,193.66	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,261.53	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,400.36	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,471.72	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,493.74	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,902.15	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,127.32	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,419.46	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,933.76	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,495.71	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,083.84	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	
27 15 23 00-0356		**50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0340)*		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,912.68	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,991.17	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,155.60	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,379.83	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,473.26	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,790.93	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,463.62	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,453.98	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,556.45	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,322.58	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,312.94	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,611.32	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	11,891.01	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	14,170.70	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	854.36	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	967.08	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,079.63	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,218.67	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,417.78	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,769.82	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,103.29	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,741.52	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,488.01	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,177.49	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,905.21	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,377.04	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,872.50	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,391.04	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,286.66	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,353.21	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,373.19	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,452.92	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,477.80	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,589.54	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,689.73	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,849.55	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,074.72	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,299.01	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,603.10	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,094.97	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,738.48	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,265.07	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,511.04	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,744.06	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,050.66	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,197.82	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,344.99	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,688.38	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,994.98	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,657.24	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,319.50	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,871.38	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,594.95	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,103.42	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,863.79	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,813.77	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	930.48	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,040.85	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,151.05	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,261.42	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,547.34	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,827.71	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,171.26	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,836.23	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,513.63	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,193.36	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,908.09	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,358.46	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,230.49	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,327.56	317.95
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,047.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,081.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,115.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,149.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,217.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,356.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,427.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,449.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,857.99	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,370.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,714.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,889.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,451.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,039.68	
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,868.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,947.01	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,111.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,335.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,429.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,746.77	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,419.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,409.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,512.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,278.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,268.78	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,567.16	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	11,846.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	14,126.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	810.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	922.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,035.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,174.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,373.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,725.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,059.13	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,697.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,443.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,133.33	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,861.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,332.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,828.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,346.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,242.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,309.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,329.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,408.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,433.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,545.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,645.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,805.39	
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,030.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,254.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,558.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,050.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,694.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,220.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,466.88	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,699.90	
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,006.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,153.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,300.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,644.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,950.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,613.08	
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,275.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,827.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,550.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,059.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,819.63	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,769.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	886.32	
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	996.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,106.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,217.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,503.18	
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,783.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,127.10	
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,792.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,469.47	
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,149.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,863.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,314.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,859.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,283.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,061.94	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.37*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,095.85	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.12*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,130.21	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.74*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,164.13	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.05*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,231.99	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*220.40*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,365.99	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*229.13*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,468.18	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.25*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,711.16	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.83*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	5,923.64	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.11*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,099.30	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.52*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,318.42	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.29*	
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	6,893.52	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*314.13*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,510.53	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*374.84*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	7,658.45	1,497.60
		For Corrugated Coated Steel Tape Armored Cable, Add	*402.49*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	2,899.01	264.96
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,891.91	264.96
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,103.76	264.96

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,165.41	264.96
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,729.67	264.96
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,197.87	264.96

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	2,854.85	242.88
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,847.75	242.88
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,059.60	242.88

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,121.25	242.88
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,685.51	242.88
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,153.71	242.88

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0002)*

27 15 33 00-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,309.82	185.48
27 15 33 00-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,164.14	185.48
27 15 33 00-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	835.17	211.97
27 15 33 00-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	5,332.70	211.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0008		Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0002)*		
27 15 33 00-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,618.95	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 33 00-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	4,473.27	370.95
		For Work In Restricted Working Space, Add	*185.48*	
27 15 33 00-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,188.45	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 33 00-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	5,685.98	423.94
		For Work In Restricted Working Space, Add	*211.97*	
27 15 33 00-0013		Coaxial Distribution Cable *(27 15 33 00-0001)* Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0014	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	2,631.57	129.03
27 15 33 00-0015	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,233.15	129.03
27 15 33 00-0016	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	5,955.70	136.29
27 15 33 00-0017	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	7,759.29	136.29
27 15 33 00-0018	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	6,613.82	161.29
27 15 33 00-0019	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,101.82	161.29
27 15 33 00-0020	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	22,733.30	225.80
27 15 33 00-0021	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	1,813.58	112.90
27 15 33 00-0022	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,170.97	112.90
27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	2,800.54	112.90
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	7,195.06	225.80
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	3,483.29	112.90
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	9,068.28	225.80
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	2,438.46	161.29
27 15 33 00-0028		Outdoor Coaxial Cable *(27 15 33)*		
27 15 33 00-0029		Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)* Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	5,483.26	603.70
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	3,100.11	424.62
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	3,497.20	250.52
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	993.70	250.52
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	1,346.01	391.44
27 15 43		**Communications Faceplates and Connectors** *(27 15)*		
27 15 43 00-0001		Wall Mounted Telephone Faceplates *(27 15 43)* Note: Includes standard telephone mounting studs.		
27 15 43 00-0002		Plastic Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*		
27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	20.22	5.52
27 15 43 00-0004		Stainless Steel Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*		
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	32.20	2.21
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	48.55	5.52
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	55.63	6.62
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	30.57	2.21
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	41.70	5.52
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	48.96	6.62
27 15 43 00-0011		Plastic Communications Faceplates *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.68	1.11
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.68	1.11
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.68	1.11
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.68	1.11
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	6.68	1.11
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	13.81	1.11
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	13.81	1.11
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	13.81	1.11
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	13.81	1.11
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	13.81	1.11
27 15 43 00-0022		Stainless Steel Communications Faceplates *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0023		Stainless Steel Communications Faceplates *(27 15 43 00-0022)*		
27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	17.50	1.11
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	17.50	1.11
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	17.50	1.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	19.08	1.11
27 15 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	19.08	1.11
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	27.61	1.11
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	28.61	1.11
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	33.96	1.11
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	33.96	1.11
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	33.96	1.11
27 15 43 00-0034		Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0022)*		
27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.42	1.11
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.42	1.11
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.42	1.11
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.42	1.11
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	27.42	1.11
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	65.31	1.11
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	65.31	1.11
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	65.31	1.11
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	65.31	1.11
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	65.31	1.11
27 15 43 00-0045		Surface Mount Plastic Communication Boxes *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	16.76	5.56
27 15 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	17.76	5.56
27 15 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	24.60	5.56
27 15 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	32.74	5.56
27 15 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	41.27	5.56
27 15 43 00-0051		Snap-In Modular Jacks *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0052	EA	Cat 3, Snap-In Modular Jack	20.20	4.45
27 15 43 00-0053	EA	Category 5E, Snap-In Modular Jack	22.38	4.45
27 15 43 00-0054	EA	Category 5E Shielded, Snap-In Modular Jack	28.93	4.45
27 15 43 00-0055	EA	Cat 6, Snap-In Modular Jack	28.93	4.45
27 15 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack	36.27	4.45
27 15 43 00-0057	EA	Cat 6A, Snap-In Modular Jack	37.38	4.45
27 15 43 00-0058	EA	Voice, RJ-11, Snap-In Modular Jack	17.74	2.22
27 15 43 00-0059	EA	LC Type Fiber Optic, Snap-In Modular Jack	41.63	4.45
27 15 43 00-0060	EA	SC Type Fiber Optic, Snap-In Modular Jack	25.16	4.45
27 15 43 00-0061	EA	ST Type Fiber Optic, Snap-In Modular Jack	30.71	4.45
27 15 43 00-0062	EA	Blank Fill In, Snap-In Modular Jack	3.25	1.11
27 15 43 00-0063	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	4.56	1.11
27 15 43 00-0064	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	18.76	3.33
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*2.12*	
27 15 43 00-0065	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	19.16	3.33
		Note: Includes female to female connection.		
27 15 43 00-0066	EA	RCA Solder Coupler, Snap-In Modular Jack	27.10	4.45
27 15 43 00-0067	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	43.17	4.45
27 15 43 00-0068	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	21.79	4.45
27 15 43 00-0069	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	35.16	2.22
27 15 43 00-0070	EA	BNC Connector, Snap-In Modular Jack	28.33	4.45
27 15 43 00-0071	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	34.28	4.45
27 15 43 00-0072	PR	Speaker Connectors, Snap-In Modular Jack	41.59	6.66
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0073	EA	USB Audio Video Connector, Snap-In Modular Jack	61.66	4.45
27 15 53		**Communications Cable Innerduct** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		Indoor Innerduct *(27 15 53)*		
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit *(27 15 53 00-0001)*		
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	2,590.24	662.41
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	3,247.23	883.21
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	4,604.24	1,104.01
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	5,234.31	1,324.82
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,471.73	441.61
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,050.58	662.41
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,457.44	883.21
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,708.90	1,104.01
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,698.95	1,324.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0014		Indoor Innerduct, Installed Exposed *(27 15 53 00-0001)*		
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	3,031.84	883.21
		For Work In Restricted Working Space, Add	*529.93*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	3,688.83	1,104.01
		For Work In Restricted Working Space, Add	*662.41*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	5,045.85	1,324.82
		For Work In Restricted Working Space, Add	*794.89*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	5,675.91	1,545.62
		For Work In Restricted Working Space, Add	*927.37*	
27 15 53 00-0020		Plenum Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*		
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	5,913.34	662.41
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	6,492.18	883.21
		For Work In Restricted Working Space, Add	*529.93*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	7,899.04	1,104.01
		For Work In Restricted Working Space, Add	*662.41*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	10,150.51	1,324.82
		For Work In Restricted Working Space, Add	*794.89*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	12,140.55	1,545.62
		For Work In Restricted Working Space, Add	*927.37*	
27 15 53 00-0026		Outdoor Innerduct *(27 15 53)*		
27 15 53 00-0027		Outdoor Innerduct, Installed In Conduit *(27 15 53 00-0026)*		
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	2,267.15	662.41
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	2,770.79	883.21
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	3,640.90	1,104.01
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	4,322.67	1,324.82
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*		
27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	1,825.54	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	2,329.19	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	3,199.30	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	3,881.06	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001		Fiber Optic Receivers *(27 16 16)*		
27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,495.80	22.08
27 16 16 00-0003		Fiber Optic Transmitters *(27 16 16)*		
27 16 16 00-0004	EA	Fiber Optic Transmitter, Range 6.2 Miles	1,495.78	22.08
27 16 16 00-0005		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,539.94	44.16
27 16 16 00-0007	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	2,270.20	88.32
27 16 16 00-0008		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0009	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,285.52	88.32
27 16 16 00-0010	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,285.52	88.32
27 16 16 00-0011	EA	Fiber Optic Ethernet Transceiver	1,748.74	132.49
27 16 16 00-0012	EA	Transceiver (Low Cost Bi- Directional)	767.83	33.12

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	8.11	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	10.96	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	13.72	
27 16 19 00-0005		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.60	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	39.44	
		For Each Additional Meter In Length, Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	53.94	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	41.99	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	50.13	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	49.23	
		For Each Additional Meter In Length, Add	*0.26*	

27 16 19 00-0014 Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*

27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	95.43	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	92.29	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	103.47	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	78.25	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	94.50	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	92.73	
		For Each Additional Meter In Length, Add	*0.51*	

27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	69.65	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.94	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	77.69	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	80.03	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	69.96	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	80.44	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	96.26	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	63.24	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	79.08	
		For Each Additional Meter In Length, Add	*1.48*	

27 16 19 00-0032 Fiber Optic Cable Pig Tail *(27 16 19)*

27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	47.65	15.46
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	74.10	15.46

27 16 19 00-0035 Ethernet Patch Cords *(27 16 19)*

27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	12.49
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	14.01
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	15.54
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	22.43
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	27.69
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	39.28
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	14.30
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	18.16
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	18.23
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	20.59
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	27.11
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	36.14
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	61.56
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	109.39
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	17.96
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	19.26
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	20.23
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	22.80
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	27.47
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	35.85
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	54.66
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	97.35
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch	12.49
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch	14.01
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch	15.54
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch	22.43
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch	27.69
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch	39.28
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch	14.30
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch	18.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch	18.23	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch	20.59	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch	27.11	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch	36.14	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch	30.00	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch	32.30	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch	34.02	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch	37.70	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch	45.10	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch	59.90	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	2,596.01	88.32
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	5,620.23	88.32

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,089.46	66.69
27 21 16 00-0006	EA	16 Port Unmanaged Hub	548.82	44.46
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,821.06	44.46
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,687.49	22.23

27 21 26 Data Communications Network Management *(27 21)*

27 21 26 00-0001 Data Communications Network Management *(27 21 26)*

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	689.33	11.04
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	519.35	11.04
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	743.92	11.04
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,194.22	11.04
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	105.81	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	520.04	6.62
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	821.72	11.04
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	3,999.41	142.27
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	2,457.83	142.27
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	18,094.48	52.99
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	635.25	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	12,915.47	52.99
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,183.41	52.99
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	695.53	4.45
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,143.68	5.52
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,457.75	5.52
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	71.32	2.22
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	169.54	22.08
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,091.97	52.99
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	835.83	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	17.92	2.22
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	326.99	5.52
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	846.96	5.56
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	118.53	2.22
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	3,955.80	52.99
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	839.18	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	721.51	5.52
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	733.21	5.52
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,256.14	52.99
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	387.24	5.56
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,900.13	5.56
27 21 26 00-0033	EA	Router (CISCO IR829)	1,632.58	22.23

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	101.47	2.21
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	112.73	2.21
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	134.52	2.21
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	141.21	2.21
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	153.33	2.76
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	146.76	2.21
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	184.21	2.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	60.19	2.76

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,016.11	66.24
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,417.73	66.24
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,417.73	66.24
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,803.78	66.24
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,160.57	89.20
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,521.30	89.20
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,045.91	89.20
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,045.91	89.20
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,026.85	29.73
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,056.44	29.73
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	155.57	14.86
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,838.87	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	569.07	22.08
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	456.65	22.08
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	61.45	8.83
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	76.30	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	40.88	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	261.38	22.08
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	263.55	22.08
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	391.83	22.23
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,080.09	33.34
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,418.45	33.34
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	60.64	6.62
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	240.79	29.73
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	990.35	29.73
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,218.37	22.23
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,606.99	22.08

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	6,861.31	403.54
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	874.50	32.99
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	382.46	35.37
27 32 13 00-0005	EA	Loud Ring Bell, 6"	283.40	32.81
27 32 13 00-0006	EA	Audio/Visual Indicator	397.08	30.91
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	428.37	27.73
27 32 13 00-0008	EA	Processing Unit For 16 Station System	1,828.81	226.24
27 32 13 00-0009	EA	Handset For 16 Station System	292.20	22.52
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	396.22	30.39
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	1,707.48	486.96
27 32 13 00-0012	EA	Power Supply For 16 Station System	262.29	60.11
27 32 13 00-0013	EA	Intercom Terminal Board	183.53	67.66
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	280.51	60.11
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	152.02	24.68
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	551.45	54.31
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	659.28	61.74
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	805.49	73.06
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	974.72	78.99
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,630.75	89.88
27 32 13 00-0021	EA	Ring Rung 3"	6.23	2.46
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	18.33	4.37
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	29.13	8.96

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	5.43	2.38
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	14.68	9.18
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	42.88	10.08
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	37.83	10.08
27 32 13 00-0029	EA	Terminating Strips, Inside	78.18	20.16
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	26.58	10.37
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	94.87	24.33
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	117.34	27.21
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	41.10	8.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	25.93	10.24
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	643.40	59.00
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	814.54	59.93
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	250.86	24.55
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	262.98	24.55
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	352.50	31.40
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	775.42	56.56
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,143.74	64.57
27 32 13 00-0042	EA	Gas Protection Module	11.60	2.21
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	29.27	2.02

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 City Police Call System *(27 32 26)*

27 32 26 00-0002 Components *(27 32 26 00-0001)*

27 32 26 00-0003	EA	City Police Call System	783.04	51.49
27 32 26 00-0004	EA	Concrete Foundation For Police Department Telephone Post	605.38	74.59

27 32 26 00-0005 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0006	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	10,426.14	187.93
27 32 26 00-0007	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,059.27	187.93
27 32 26 00-0008	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	211.04	
27 32 26 00-0009	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	316.57	
27 32 26 00-0010	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	791.42	
27 32 26 00-0011	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,076.33	
27 32 26 00-0012	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,181.85	
27 32 26 00-0013	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0014	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0015	EA	Directory, Second Opening Code Blue Option	189.94	
27 32 26 00-0016	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	2,004.93	
27 32 26 00-0017	EA	HID Card Reader, Second Opening Code Blue Option	928.60	
27 32 26 00-0018	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	3,007.39	
27 32 26 00-0019	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,320.79	
27 32 26 00-0020	EA	Active Venting Code Blue Option	337.67	
27 32 26 00-0021	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,944.08	
27 32 26 00-0022	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	738.66	
27 32 26 00-0023	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,677.81	
27 32 26 00-0024	EA	Custom Color For Overhead Camera Mount Code Blue Option	73.87	

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*

See CSI section 26 05 19 16-0011 for basic wiring.

27 41 16 00-0002 Mounted Television Support *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	327.26	49.79
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	459.38	55.57
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	350.69	49.79
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	482.81	55.57
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	262.28	40.01
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	394.38	44.46
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	293.02	40.01
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	425.13	44.46
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	323.77	40.01
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	455.87	44.46

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0013		Distribution System *(27 41 16 00-0001)*		
		See CSI section 26 05 13 16-0001 for wire and cabling.		
27 41 16 00-0014		TV Distribution Rack *(27 41 16 00-0013)*		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,592.08	81.21
27 41 16 00-0016	EA	Switch And Pilot Light	168.39	36.08
27 41 16 00-0017	LF	Surface Raceway With Outlets	18.12	4.90
27 41 16 00-0018	EA	Service Label	18.35	6.76
27 41 16 00-0019		Head End Amplifier *(27 41 16 00-0013)*		
27 41 16 00-0020	EA	Head End Amplifier	1,062.50	54.05
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*		
27 41 16 00-0022	EA	UHF In-Line Booster	544.40	54.05
27 41 16 00-0023		Preamplifiers *(27 41 16 00-0013)*		
27 41 16 00-0024	EA	VHF Preamplifier	726.84	54.05
27 41 16 00-0025	EA	UHF Preamplifier	544.40	54.05
27 41 16 00-0026		Power Supplies *(27 41 16 00-0013)*		
27 41 16 00-0027	EA	Common Power Supply	1,038.34	77.23
27 41 16 00-0028		Line Splitter And Mixer *(27 41 16 00-0013)*		
27 41 16 00-0029	EA	Line Splitter	51.38	18.01
27 41 16 00-0030	EA	Two-Way Splitter	65.90	18.01
27 41 16 00-0031	EA	Frequency Filter	190.13	27.07
27 41 16 00-0032	EA	Line Splitter And Mixer	160.13	39.74
27 41 16 00-0033		Power Line Filters *(27 41 16 00-0013)*		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	423.79	36.08
27 41 16 00-0035		Wall Box And Receiver Outlets *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	190.13	27.07
27 41 16 00-0037	EA	TV Receiver Outlet Plug	65.90	18.01
27 41 16 00-0038	EA	TV Camera Outlet Plug	65.90	18.01
27 41 16 00-0039	EA	Audio Outlet Plug	47.71	18.01
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	104.53	36.08
27 41 16 00-0041	EA	Male Plug PL-259	65.90	18.01
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	62.79	18.90
27 41 23		**Audio-Video Accessories** *(27 41)*		
27 41 23 00-0001		Signaling *(27 41 23)*		
27 41 23 00-0002	EA	Explosion Proof Signaling Strobe Light, Federal #27XST-120	2,591.21	42.33
27 41 23 00-0003	EA	Explosion Proof Signaling Revolving Warning Light, Federal #121X-120	2,473.85	42.33
27 41 23 00-0004	EA	Explosion Proof Signaling Horn, Federal #41X-024-1	1,953.18	42.33
27 41 23 00-0005	EA	Explosion Proof Signaling Horn, Federal #31X-120-3	1,471.39	42.33
27 41 23 00-0006	EA	Hazardous Location Warning Lights, Strobe, Glass, Federal #151XST-120	1,066.58	42.33
27 41 23 00-0007	EA	Hazardous Location Warning Lights, Strobe, Poly, Federal #225XST-120	731.39	42.33
27 41 23 00-0008	EA	Hazardous Location Warning Lights, Steady Burning Light, Federal #191X-0240250	549.02	42.33
27 41 23 00-0009	EA	Visual Signaling Devices, Revolving, Federal #121S-120	591.49	42.33
27 41 23 00-0010	EA	Visual Signaling Devices, Revolving, Federal #371L-120	2,077.72	42.33
27 41 23 00-0011	EA	Visual Signaling Devices, Strobe, Federal #FB2PST-120	665.08	42.33
27 41 23 00-0012	EA	Visual Signaling Devices, Strobe, Federal #131DST-120	1,043.95	42.33
27 41 23 00-0013	EA	Pendant Fixture, Crouse-Hinds EVAS101R Or EVAS201R	4,560.29	42.33
27 41 23 00-0014	EA	Pendant Fixture With Guard, Crouse-Hinds EVAS110R Or EVAS210R	4,617.51	42.33
27 41 23 00-0015	EA	Wall Fixture, Crouse-Hinds EVBS101R Or EVBS201R	4,932.20	42.33
27 41 23 00-0016		Visual And Audible Signals *(27 41 23)*		
27 41 23 00-0017	EA	4" x 4" x 2-1/2" Deep Vibrating Horn	212.48	11.04
27 41 23 00-0018	EA	4" x 4" x 3.4" Deep Vibrating Bell	301.65	11.04
27 41 23 00-0019	EA	6" x 6" x 3.8" Deep Vibrating Bell	371.71	11.04
27 41 23 00-0020	EA	8" x 8" x 19-3/4" Deep Resonating Horn	1,324.44	14.35
27 41 23 00-0021	EA	3 Tone Electric Siren, NEMA 3R	1,236.55	14.35
27 41 23 00-0022	EA	16 Tone Electric Siren	1,976.86	16.56
27 41 23 00-0023	EA	Wall Mounting Brackets For Visual Signals	206.13	11.04
27 41 23 00-0024	EA	Wall Mounting Brackets For Explosionproof Visual Signals	610.08	11.04
27 41 23 00-0025	EA	Dome Guard For Explosionproof Visual Signals	81.26	5.52
27 41 33		**Master Antenna Television Systems** *(27 41)*		
27 41 33 00-0001		Antenna Systems *(27 41 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 33 00-0002		**Antenna** *(27 41 33 00-0001)*		
27 41 33 00-0003	EA	Amateur Radio Antenna	995.33	66.24
27 41 33 00-0004	EA	Multi-Band Radio Antenna	733.99	66.24
27 41 33 00-0005		**Receptacles** *(27 41 33 00-0001)*		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	171.91	27.07
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	171.91	27.07

27 50 Distributed Communications and Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001		**Video Intercom And Exterior Gate Control System** *(27 51 17)*		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,395.67	55.57
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,080.38	55.57
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	330.11	55.57
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,426.22	27.79
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	1,982.35	27.79
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	114.98	11.11
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,062.21	11.11
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,476.07	11.11
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	449.91	11.11
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	512.68	11.11
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	129.34	5.56
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	142.49	5.56
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,751.44	55.57
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	58.72	2.22
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	620.58	55.57
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	747.69	11.11
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	197.39	11.11
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	225.13	11.11
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	263.98	16.67
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	51.71	5.56

27 51 23 Intercommunications and Program Systems *(27 51)*

27 51 23 20 Commercial Intercommunications and Program Systems *(27 51 23)*

27 51 23 20-0001		**Intercom** *(27 51 23 20)* Note: Includes classroom software packages.		
27 51 23 20-0002	EA	Basic Shelf (Dukane STARCall 110-3546A)	5,234.24	133.38
27 51 23 20-0003	EA	Expanded Audio Routing Card (Dukane STARCall 110-3524B)	2,650.08	
27 51 23 20-0004	EA	Expanded Audio Switching Card (Dukane STARCall 110-3534D)	1,914.83	
27 51 23 20-0005	EA	Expanded Administrative Telephone Card (Dukane STARCall Dukane 110-3527A)	1,937.52	
27 51 23 20-0006	EA	Protected Balanced Telephone Card (Dukane STARCall 110-3775B)	4,395.17	
27 51 23 20-0007	EA	250 Watt Power Amplifier (Dukane STARCall 1A4250)	3,462.49	
27 51 23 20-0008	EA	Intercom Amplifier Module (Dukane STARCall 110-3544C)	834.64	
27 51 23 20-0009	EA	Administrative Telephone (Dukane STARCall 7A1110)	2,075.95	
27 51 23 20-0010	EA	AM/FM Tuner / CD Player Preamplifier (Dukane STARCall RCD350P)	3,709.84	
27 51 23 20-0011	EA	Digital Display (Dukane STARCall RDU350)	4,145.55	
27 51 23 20-0012	EA	UPS System, 120 Tripp Lite SMARTNET (Emerson PS220RT2-120)	3,561.88	
27 51 23 20-0013	EA	Equipment Cabinet (Atlas Sound 140-18)	1,772.74	
27 51 23 20-0014	EA	Storage Drawer (Atlas Sound SD6-14)	550.51	
27 51 23 20-0015	EA	Master Clock (Dukane 24A715)	4,508.17	
27 51 23 20-0016	EA	Corrective Clock (National Time 030-10EX-LV)	353.55	
27 51 23 20-0017	EA	Clock Backbox (National Time 143-K3)	47.61	
27 51 23 20-0018	EA	Speaker/Transformer Assembly (Dukane 5A606)	45.34	
27 51 23 20-0019	EA	Baffle (Atlas Sound 840-89)	351.59	
27 51 23 20-0020	EA	Surface Mounted Backbox (Atlas Sound SM195-89)	160.66	
27 51 23 20-0021	EA	Dual Call-In Button (Horizon DCSB-1D9)	74.65	
27 51 23 20-0022	EA	Dual Call-In Button With Privacy Control (Horizon DCSB-2P9)	97.34	
27 51 23 20-0023	EA	Telephone Punchblock	42.97	
27 51 23 20-0024	EA	Ground Rail (Edco MGB)	30.00	
27 51 23 20-0025	EA	Surge Suppressor (Edco OPX-048)	51.37	
27 51 23 20-0026	EA	Surge Suppressor (Edco HCO)	53.63	

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001		**Amplifiers** *(27 51 43)*		
27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	420.03	44.46
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	668.24	44.46
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	827.57	44.46
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	941.24	44.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,216.68	44.46
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,628.58	44.46
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	62.75	2.22
27 51 43 00-0009		Splitters *(27 51 43)*		
27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,471.47	33.12
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,118.44	33.12
27 51 43 00-0012		Speakers *(27 51 43)*		
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	114.06	11.84
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	52.41	2.21
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	61.08	2.21
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	107.53	2.21
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	80.35	3.98
27 51 43 00-0018	EA	PA Speakers, 30 Watt Cone Wall Type	888.21	29.68
27 51 43 00-0019	EA	PA Speakers, 15 Watt Cone Wall Type	415.19	29.59
27 51 43 00-0020	EA	PA Speakers, 15 Watt Ceiling Type	415.19	29.59
27 51 43 00-0021	EA	PA Speakers, 15 Watt Dual Cone Wall Type	771.21	29.59
27 51 43 00-0022	EA	PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille	112.73	17.66
27 51 43 00-0023	EA	PA Speakers, 12 Watt Standard Paging Speaker With 360 Degree Swivel Bracket	354.50	17.66
27 51 43 00-0024	EA	PA Speakers, 15 Watt Standard Paging Speaker With Dustproof/Moistureproof Housing, Indoor/Outdoor	541.06	17.66
27 51 43 00-0025	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 8 Ohm	341.98	17.66
27 51 43 00-0026	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 25 Volt / 70 Volt / 100 Volt	416.62	17.66
27 51 43 00-0027	EA	PA Speakers, 60 Watt Marine Speaker, High Impact Acrylonitrile Butadiene Styrene (ABS) Plastic	733.63	17.66
27 51 43 00-0028	EA	PA Speakers, 15 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	547.42	17.66
27 51 43 00-0029	EA	PA Speakers, 30 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	1,066.50	17.66
27 51 43 00-0030	EA	PA Speakers, 15 Watt Explosionproof Speaker, Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F And G	1,867.85	17.66
27 51 43 00-0031	EA	Warning Horn, 120 Volt AC, 4" x 4", 100 dB, Outdoor Use	320.75	17.66
27 51 43 00-0032	EA	Cast Aluminum Weatherproof Box For Warning Horn, 4-3/8" x 4-3/8", Outdoor Use	137.31	8.83
27 51 43 00-0033		Accessories *(27 51 43)*		
27 51 43 00-0034	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	326.30	5.56
27 51 43 00-0035	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	760.83	5.56
27 51 43 00-0036	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	154.11	11.11
27 51 43 00-0037	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	323.14	11.11
27 51 43 00-0038	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	224.27	11.04
27 51 43 00-0039	EA	Microphone Jack For Audio/Video System	80.03	11.11
27 51 43 00-0040	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	873.89	44.46
27 51 43 00-0041	EA	Volume Control For Audio/Video System (Bogen AT10A)	74.56	11.11
27 51 43 00-0042	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	39.11	11.11
27 51 43 00-0043		Removal And Reinstallation Of Speakers *(27 51 43)* Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0044	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	61.82	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001 Wireless Equipment Nurses Call Systems *(27 52 23)*
Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.

27 52 23 00-0002 Wireless Nurses Call System *(27 52 23 00-0001)*

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	7,942.74	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	8,570.89	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	5,748.00	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	4,575.20	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,101.76	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	3,628.28	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,004.40	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	474.35	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	26.67	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	689.71	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	689.71	
27 52 23 00-0014	EA	Remote Reset Button; S35R	667.46	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	471.17	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	36.21	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	588.78	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,890.83	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,169.45	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	880.18	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	880.18	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,121.77	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	1,893.68	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	3,839.72	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,461.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,829.68	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,488.59	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	79.74	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	70.20	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	25.70	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,400.24	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,064.32	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	33.03	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	71.17	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	33.03	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,752.83	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,239.53	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,097.11	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,656.11	

27 52 23 00-0041 Wireless Nurses Call Paging System *(27 52 23 00-0001)*

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	13,344.85	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	946.89	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,309.26	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,623.95	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	75.58	

27 52 23 00-0047 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0048	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	221.52	22.96
27 52 23 00-0049	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,027.36	91.86
27 52 23 00-0050	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	209.82	30.03
27 52 23 00-0051	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	898.73	88.32
27 52 23 00-0052	EA	Nurses Call System, Duty Station Intercommunication Equipment	539.34	68.89
27 52 23 00-0053	EA	Nurses Call System, Staff Station Intercommunication Equipment	338.44	22.96
27 52 23 00-0054	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	315.34	22.96
27 52 23 00-0055	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	460.14	40.19
27 52 23 00-0056	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	115.01	17.66
27 52 23 00-0057	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	100.14	17.66
27 52 23 00-0058	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	76.93	11.48
27 52 23 00-0059	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	108.66	17.66
27 52 23 00-0060	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	230.43	11.48
27 52 23 00-0061	EA	Nurses Call System, Cord Set Intercommunication Equipment	88.13	11.48
27 52 23 00-0062	EA	Nurse Call System, Master-20 Station	6,513.62	88.32
27 52 23 00-0063	EA	Dukane Duty Station - Tone Only, PC1000	848.83	68.94

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*

27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,370.37	33.12
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,858.85	33.12
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,706.78	33.12
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,195.26	33.12
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	

27 53 13 13-0008 Wireless Repeaters (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	1,992.26	22.08
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,242.31	22.08

27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	407.10	11.04
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	241.40	11.04
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	495.11	11.04
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	277.95	11.04

27 53 13 13-0016 Wireless GPS Accesories (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	54.44	8.83
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	91.21	8.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,004.05	19.32
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,810.48	27.60
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	662.65	2.21
27 53 13 13-0022		2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) *(27 53 13 13)*		
		Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R)	1,294.76	33.12
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R)	1,327.24	33.12
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R)	1,614.70	33.12
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R)	1,647.17	33.12
		Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	157.29	8.83
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	157.29	8.83
27 53 13 13-0029	EA	Set-up Charge For Clock Message, Per Clock (Sapling CLK-MSG-SETUP)	33.43	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	265.50	1.10
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	531.01	2.21
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	94.15	1.10
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	18.83	0.22
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	114.75	2.21
27 53 13 13-0035		2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) *(27 53 13 13)*		
		Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,925.89	33.12
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,579.88	33.12
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	3,028.14	22.08
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,702.90	22.08
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,654.98	
27 53 13 13-0042		Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) *(27 53 13 13)*		
		Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	432.31	5.52
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	432.31	5.52
27 53 13 13-0045		Wire Guards For Wireless Synchronized Clocks (Sapling) *(27 53 13 13)*		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	229.87	5.52
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	328.54	5.52
27 53 13 13-0048		Wireless Synchronized Clock Transmitters *(27 53 13 13)*		
27 53 13 13-0049		Analog, Wireless Synchronized Clocks (Primex Traditional Series) *(27 53 13 13-0048)*		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	293.12	11.04
		For >250, Deduct	*-62.91*	
		For >100 To 250, Deduct	*-52.07*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	564.16	11.04
		For >250, Deduct	*-41.23*	
		For >100 To 250, Deduct	*-33.10*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	349.20	11.04
		For >250, Deduct	*-75.25*	
		For >100 To 250, Deduct	*-62.16*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	339.85	11.04
		For >250, Deduct	*-73.19*	
		For >100 To 250, Deduct	*-60.48*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	657.62	11.04
		For >250, Deduct	*-47.77*	
		For >100 To 250, Deduct	*-38.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	395.93	11.04
		For >250, Deduct	*-59.36*	
		For >100 To 250, Deduct	*-44.41*	

27 53 13 13-0056 Digital, Wireless Synchronized Clocks (Primex Digital Series) *(27 53 13 13-0048)*

27 53 13 13-0057 4-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	452.00	11.04
		For Green LED, Add	*42.99*	
		For >100 To 250, Deduct	*-37.68*	
		For >250, Deduct	*-59.17*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	881.93	11.04
		For Green LED, Add	*85.99*	
		For >100 To 250, Deduct	*-89.27*	
		For >250, Deduct	*-235.44*	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	508.08	11.04
		For Green LED, Add	*48.60*	
		For >250, Deduct	*-39.73*	
		For >100 To 250, Deduct	*-25.15*	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	994.08	11.04
		For Green LED, Add	*97.20*	
		For >100 To 250, Deduct	*-81.04*	
		For >250, Deduct	*-265.72*	

27 53 13 13-0062 6-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	508.08	11.04
		For Green LED, Add	*48.60*	
		For >100 To 250, Deduct	*-30.01*	
		For >250, Deduct	*-45.56*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	994.08	11.04
		For Green LED, Add	*97.20*	
		For >250, Deduct	*-178.24*	
		For >100 To 250, Deduct	*-72.29*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	601.54	11.04
		For Green LED, Add	*57.95*	
		For >100 To 250, Deduct	*-23.56*	
		For >250, Deduct	*-38.05*	

27 53 13 13-0066 Wire Guards For Wireless Synchronized Clocks *(27 53 13 13-0048)*

27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	151.23	5.52
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	57.77	5.52
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	67.12	5.52

27 53 13 13-0070 Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.

27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,608.43	33.12
		For Roof Mounted GPS Receiver, Add	*419.86*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)	5,954.31	33.12
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
		For Roof Mounted GPS Receiver, Add	*654.45*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006)	3,586.35	22.08
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		

27 53 13 13-0074 Accessories For Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	298.04	8.83
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	114.86	8.83
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	213.77	4.42
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	147.32	11.04
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	201.35	16.56
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	305.85	22.08

27 53 13 16 Wired Clock Systems *(27 53 13)*

27 53 13 16-0001 Wired Self-Corrective Clock Systems *(27 53 13 16)*

27 53 13 16-0002 Wired Self-Corrective Clocks *(27 53 13 16-0001)*

27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	243.58	11.04
		For >100, Deduct	*-21.00*	
		For >50 To 100, Deduct	*-12.14*	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	638.93	11.04
		For >100, Deduct	*-52.63*	
		For >50 To 100, Deduct	*-27.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	316.48	11.04
		For >50 To 100, Deduct	*-18.00*	
		For >100, Deduct	*-29.78*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	857.63	11.04
		For >50 To 100, Deduct	*-86.84*	
		For >100, Deduct	*-120.26*	
27 53 13 16-0009		**120 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	243.58	11.04
		For >100, Deduct	*-21.00*	
		For >50 To 100, Deduct	*-12.14*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	638.93	11.04
		For >100, Deduct	*-52.63*	
		For >50 To 100, Deduct	*-27.96*	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	316.48	11.04
		For >50 To 100, Deduct	*-18.00*	
		For >100, Deduct	*-29.78*	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	857.63	11.04
		For >50 To 100, Deduct	*-86.84*	
		For >100, Deduct	*-120.26*	
27 53 13 16-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	214.32	5.52
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	39.08	5.52
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	55.21	5.52
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	72.03	5.52
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	133.39	8.83
27 53 13 16-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	310.88	11.04
		For >50 To 100, Deduct	*-17.33*	
		For Surface Mount, Add	*57.76*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	501.54	11.04
		For >50 To 100, Deduct	*-28.77*	
		For Surface Mount, Add	*95.89*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	310.88	11.04
		For >50 To 100, Deduct	*-17.33*	
		For Surface Mount, Add	*57.76*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	501.54	11.04
		For >50 To 100, Deduct	*-28.77*	
		For Surface Mount, Add	*95.89*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	259.72	11.04
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	455.27	11.04
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	259.72	11.04
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	455.27	11.04
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	299.84	5.52
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	55.90	5.52
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	85.34	5.52
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	259.18	5.52
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	58.01	5.52
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	2,974.88	88.32
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,185.17	88.32
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	256.56	22.08
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	300.71	22.08
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,929.65	44.16
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,192.55	88.32
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	221.47	22.08
27 53 13 16-0050	EA	Combination Clock And Speaker	482.38	55.20

END OF SECTION 27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,175.67	92.08
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	1,495.81	119.68
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	10,775.89	262.32
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,213.60	223.54
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	827.03	122.28

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	122.47	11.04
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	130.84	11.04
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	178.94	11.04

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	167.09	11.04
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	900.06	33.12
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	304.44	11.04

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	194.63	11.04

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	274.23	22.08
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	495.93	22.08
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	495.93	22.08
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	813.84	22.08

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	293.98	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,238.66	44.16
		For Flush Mount, Add	*258.83*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,521.60	49.68
		For Flush Mount, Add	*320.00*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	653.03	44.16
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	765.97	44.16
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	874.73	44.16
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	991.86	44.16
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,100.62	44.16
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,217.74	44.16
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,326.50	44.16
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	71.11	
		For >40 To 110, Deduct	*-3.56*	
		For >110, Deduct	*-7.11*	
		For Built In Proximity Tags, Add	*14.22*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	75.29	
		For >40 To 110, Deduct	*-3.76*	
		For >110, Deduct	*-7.53*	
		For Built In Proximity Tags, Add	*15.06*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	79.48	
		For >40 To 110, Deduct	*-3.97*	
		For >110, Deduct	*-7.95*	
		For Built In Proximity Tags, Add	*15.90*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	166.63	33.12
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	484.54	33.12
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	425.98	33.12
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,447.81	44.16
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,594.22	44.16
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,928.86	44.16
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	778.52	44.16
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,014.73	44.16
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	116.20	11.04
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	124.20	8.83
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	11.13	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	18.35	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	19.33	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	109.32	
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	142.50	
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	332.94	55.20
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	332.94	55.20
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	332.94	55.20
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	1,375.35	55.20
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	9.37	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	14.64	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	15.62	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	461.78	55.20
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	742.88	55.20
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	742.88	55.20
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 Volt DC regulated power supply.	1,379.26	55.20
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	9,015.83	55.20
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0092		HID, Proximity Cards *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	14.63	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	21.66	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	22.44	
28 16 11 00-0096		HID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	370.64	55.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	475.79	55.20
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	554.65	55.20
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	767.57	55.20
28 16 11 00-0101		Contactless Smart Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0102		HID, Contactless Smart Cards *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	17.18	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	18.75	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	24.54	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	13.28	
28 16 11 00-0107		HID, Contactless Smart Card Readers, Wiegand Output Access Controls *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	420.22	55.20
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	677.90	55.20
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,257.67	55.20
28 16 11 00-0111		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,518.50	55.20
28 16 11 00-0113		Call Station Controls, Wiegand Output Access Controls *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,616.30	55.20
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,302.57	55.20
28 16 11 00-0116		Biometrics Readers, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,048.27	44.16
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,647.61	44.16
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,303.08	44.16
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,220.28	44.16
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,496.36	44.16
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,220.28	44.16
28 16 11 00-0123		Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	492.01	22.22
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	985.61	22.22
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	441.81	22.22
28 16 11 00-0128		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls *(28 16 11 00-0123)*		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	915.02	26.65
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,099.07	26.65
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	659.85	26.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	3,057.51	33.31
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	3,203.92	33.31
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,300.63	11.11
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	2,095.41	33.31
28 16 11 00-0137		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	602.14	
28 16 11 00-0139	EA	7 Amperes, 12 Volt, Battery	90.89	
28 16 11 00-0140	EA	18 Amperes, 12 Volt, Battery	202.60	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	663.69	11.04
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	217.01	22.08
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	39.91	13.25
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	793.09	8.83
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	116.16	2.22
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	52.14	8.83
28 16 11 00-0147	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	302.97	
28 16 11 00-0148	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	518.34	55.20
28 16 11 00-0149		**Access Controllers** *(28 16 11)*		
28 16 11 00-0150		**Microterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,687.03	55.20
28 16 11 00-0152	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,290.48	33.12
28 16 11 00-0153	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	656.19	
28 16 11 00-0154		**Miniterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0155	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,769.45	55.20
28 16 11 00-0156	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,175.19	33.12
28 16 11 00-0157		**Super-2 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0158	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,991.24	55.20
28 16 11 00-0159	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,431.42	33.12
28 16 11 00-0160	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	329.58	33.12
28 16 11 00-0161		**Smarterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0162	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,020.77	66.24
28 16 11 00-0163	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,753.99	33.12
28 16 11 00-0164	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,793.50	33.12
28 16 11 00-0165	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,588.70	33.12
28 16 11 00-0166	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	1,992.84	33.12
28 16 11 00-0167	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	1,992.84	33.12
28 16 11 00-0168		**Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0169	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,535.52	66.24
28 16 11 00-0170	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,672.42	33.12
28 16 11 00-0171		**Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0172	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,275.33	110.40
28 16 11 00-0173	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,937.99	110.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0174	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,323.93	33.12
28 16 11 00-0175		**Turbo Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0176	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,535.52	66.24
28 16 11 00-0177	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,672.42	33.12
28 16 11 00-0178		**Turbo Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,275.33	110.40
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,937.99	110.40
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,323.93	33.12
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,588.70	33.12
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,164.58	33.12
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	1,994.98	33.12
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	1,994.98	33.12
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	849.98	
28 16 11 00-0187		**Intelligent Controller** *(28 16 11 00-0149)*		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,403.93	33.12
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,355.00	55.20
28 16 11 00-0190		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	41,378.92	
28 16 11 00-0192		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0193		**Magnetic Door Locks** *(28 16 11 00-0192)*		
28 16 11 00-0194		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	586.10	44.16
28 16 11 00-0196		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0197	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	931.20	44.16
		For LED Status Indicator And Signal Relay, Add	*105.36*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*210.72*	
		For Mortise Mount, Deduct	*-168.58*	
28 16 11 00-0198	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,498.01	44.16
		For LED Status Indicator And Signal Relay, Add	*176.21*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*352.42*	
28 16 11 00-0199		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0200	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	983.49	44.16
		For LED Status Indicator And Signal Relay, Add	*205.89*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*268.55*	
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,610.95	44.16
		For LED Status Indicator And Signal Relay, Add	*350.20*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*456.79*	
28 16 11 00-0202		**2,000 Lb. Shear Lock, Magnetic And Mechanical Locks** *(28 16 11 00-0193)* Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,039.96	44.16
28 16 11 00-0204		**Magnetic Gate Locks** *(28 16 11 00-0192)*		
28 16 11 00-0205		**600 Lb. Magnetic Gate Locks** *(28 16 11 00-0204)*		
28 16 11 00-0206	EA	600 Lb. Magnetic Gate Lock	724.14	44.16
28 16 11 00-0207		**1,200 Lb. Magnetic Gate Locks** *(28 16 11 00-0204)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0208	EA	1,200 Lb. Magnetic Gate Lock	914.47	44.16
		For LED Status Indicator And Signal Relay, Add	*103.27*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*206.54*	
		For Mortise Mount, Deduct	*-165.23*	

28 16 11 00-0209 Magnetic Lock Power Supply And Chargers *(28 16 11 00-0192)*

Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.

28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	480.64	44.16
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	670.27	44.16
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	781.82	44.16
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,038.38	44.16

28 16 11 00-0214 Master Door Buzzer Stations *(28 16 11)*

28 16 11 00-0215 Master Stations *(28 16 11 00-0214)*

28 16 11 00-0216	EA	Master Stations, 5 Station Intercommunication Equipment	977.78	68.89
28 16 11 00-0217	EA	Master Stations, 10 Station Intercommunication Equipment	1,348.79	133.36
28 16 11 00-0218	EA	Master Station, Desk Style Remote Intercommunication Equipment	400.96	34.44
28 16 11 00-0219	EA	Master Station, Flush Wall Remote Intercommunication Equipment	458.60	57.41
28 16 11 00-0220	EA	Sound System Outlet, Protector	86.52	22.47
28 16 11 00-0221	EA	Sound System Microphone Outlet	124.31	46.02
28 16 11 00-0222	EA	Ceiling Or Wall, Sound System Speaker	146.55	22.47
28 16 11 00-0223	EA	Sound System Monitor Panel	507.67	46.02
28 16 11 00-0224	EA	Sound System Volume Control	114.21	22.47
28 16 11 00-0225	EA	250 Watt, Sound System Amplifier	2,465.24	184.01
28 16 11 00-0226	EA	Sound System Cabinet	1,130.07	184.01

28 16 11 00-0227 Master Door Stations *(28 16 11 00-0214)*

28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 25 Station	1,429.74	
		For Intercom Type Master Door Station, Add	*230.60*	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 50 Station	2,349.22	
		For Intercom Type Master Door Station, Add	*373.56*	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 75 Station	3,160.39	
		For Intercom Type Master Door Station, Add	*484.25*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 100 Station	3,643.28	
		For Intercom Type Master Door Station, Add	*567.26*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 150 Station	4,738.59	
		For Intercom Type Master Door Station, Add	*830.14*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 200 Station	5,774.56	
		For Intercom Type Master Door Station, Add	*1,069.96*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 250 Station	7,351.38	
		For Intercom Type Master Door Station, Add	*1,383.57*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 300 Station	8,633.81	
		For Intercom Type Master Door Station, Add	*1,586.49*	
28 16 11 00-0236	EA	Transformer	104.11	
28 16 11 00-0237	EA	Door Opener	152.31	
28 16 11 00-0238	EA	Buzzer With Door Release And Plate	174.41	
28 16 11 00-0239	EA	Amplifier For Intercom Type Unit	400.84	
28 16 11 00-0240	EA	Speaker With Door Release	154.08	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001 Metal Detectors *(28 18 11)*

28 18 11 00-0002	EA	Handheld Scanner (Garrett Super Scanner V)	252.48	11.04
28 18 11 00-0003	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,258.33	132.49
28 18 11 00-0004	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	6,686.40	176.64

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*

28 21 31 00-0002 Cameras And Accessories *(28 21 31 00-0001)*

28 21 31 00-0003 Cameras *(28 21 31 00-0002)*

28 21 31 00-0004 Compact, 1/3" Format Cameras *(28 21 31 00-0003)*

28 21 31 00-0005 High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*

28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	651.60	11.11

28 21 31 00-0007 Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	366.15	11.11
28 21 31 00-0009		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0011		High Resolution Color, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	489.96	11.11
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	457.86	11.11
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	442.96	11.11
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	439.52	11.11
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	538.11	11.11
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	489.96	11.11
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	478.50	11.11
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	469.33	11.11
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	585.11	11.11
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	523.21	11.11
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	472.77	11.11
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	452.13	11.11
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	528.94	11.11
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	635.55	11.11
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	593.14	11.11
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	520.91	11.11
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	460.15	11.11
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	553.01	11.11
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	630.97	11.11
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	730.71	11.11
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	486.52	11.11
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	590.84	11.11
28 21 31 00-0041		High Resolution Day/Night, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0041)*		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,031.06	11.11
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	958.84	11.11
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	898.08	11.11
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	990.94	11.11
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,068.89	11.11
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,167.48	11.11
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	924.45	11.11
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,028.77	11.11
28 21 31 00-0053		Compact Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0054		High Resolution Color, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	789.17	11.11
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	757.07	11.11
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	741.02	11.11
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	737.58	11.11
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	836.17	11.11
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	789.17	11.11
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	777.71	11.11
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	768.54	11.11
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	884.32	11.11
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	821.27	11.11
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	771.98	11.11
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	751.34	11.11
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	827.00	11.11
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	876.30	11.11
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	993.23	11.11
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	933.62	11.11
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	892.35	11.11
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	820.12	11.11
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	758.22	11.11
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	852.22	11.11
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	930.18	11.11
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,028.77	11.11
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	785.73	11.11
28 21 31 00-0086	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	890.05	11.11
28 21 31 00-0087		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0088		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0089		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	789.17	11.11
28 21 31 00-0091	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	578.23	11.11
28 21 31 00-0092	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	562.18	11.11
28 21 31 00-0093	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	558.75	11.11
28 21 31 00-0094		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0095	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	657.34	11.11
28 21 31 00-0096	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	610.33	11.11
28 21 31 00-0097	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	598.87	11.11
28 21 31 00-0098	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	598.87	11.11
28 21 31 00-0099		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0100		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0101	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	705.48	11.11
28 21 31 00-0102	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	642.43	11.11
28 21 31 00-0103	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	593.14	11.11
28 21 31 00-0104	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	572.50	11.11
28 21 31 00-0105	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	648.16	11.11
28 21 31 00-0106	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	697.46	11.11
28 21 31 00-0107	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	814.39	11.11
28 21 31 00-0108		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0109	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	754.78	11.11
28 21 31 00-0110	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	713.51	11.11
28 21 31 00-0111	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	640.14	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0112	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	579.38	11.11
28 21 31 00-0113	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	673.39	11.11
28 21 31 00-0114	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	751.34	11.11
28 21 31 00-0115	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	849.93	11.11
28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	606.89	11.11
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	711.22	11.11
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	724.97	11.11
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	823.56	11.11
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	775.41	11.11
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	758.22	11.11
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	737.58	11.11
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	863.69	11.11
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	878.59	11.11
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	806.37	11.11
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	745.61	11.11
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	838.47	11.11
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	916.42	11.11
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,016.16	11.11
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	771.98	11.11
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	876.30	11.11
28 21 31 00-0141		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0142		Camera Dome Systems *(28 21 31 00-0141)*		
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,146.12	66.69
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,616.14	66.69
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	3,827.08	66.69
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,404.53	66.69
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,613.04	66.69
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,850.35	66.69

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28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,062.43	66.69
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,183.95	66.69
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,183.95	66.69
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,347.89	66.69
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	3,819.06	66.69
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,031.14	66.69
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,152.66	66.69
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,152.66	66.69
28 21 31 00-0162		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	3,935.99	66.69
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,407.16	66.69
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,619.24	66.69
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,740.76	66.69
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,740.76	66.69
28 21 31 00-0168		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,550.80	66.69
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	3,789.25	66.69
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,000.19	66.69
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,121.71	66.69
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,121.71	66.69
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,322.33	66.69
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,697.20	66.69
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	4,908.14	66.69
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,029.65	66.69
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,029.65	66.69
28 21 31 00-0179		Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0180		Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,469.40	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,673.46	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	3,836.25	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,367.04	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,571.09	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,735.03	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187		Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,407.16	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,611.22	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	4,775.15	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,245.18	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,448.09	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,612.03	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0195		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0194)*		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	5,912.38	66.69
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	6,750.40	66.69
28 21 31 00-0198		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0199		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,107.61	66.69
28 21 31 00-0201		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,412.89	66.69
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,311.67	66.69
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	5,899.77	66.69
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,351.79	66.69
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,188.66	66.69
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0209)*		
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,895.40	66.69
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,706.71	66.69
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	3,918.79	66.69
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,040.31	66.69
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,040.31	66.69
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,675.42	66.69
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	4,887.50	66.69
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,009.02	66.69
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,009.02	66.69
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,263.52	66.69
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,475.60	66.69
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,597.12	66.69
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,597.12	66.69
28 21 31 00-0228		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0229		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,325.76	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,529.82	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,692.61	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,223.40	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,427.46	66.69
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,591.39	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236		**Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0228)*		
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,263.52	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,467.58	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,631.51	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,101.54	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,304.45	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,468.39	66.69
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243		**Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0212)*		
28 21 31 00-0244		**Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0243)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,269.25	66.69
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,168.03	66.69
28 21 31 00-0247		**Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0243)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	6,756.13	66.69
28 21 31 00-0249		**Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0243)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,208.15	66.69
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,045.03	66.69
28 21 31 00-0252		**Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0212)*		
28 21 31 00-0253		**Color, Miniature Spectra® IP Network, Mini Camera Dome Systems** *(28 21 31 00-0252)*		
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,447.96	66.69
28 21 31 00-0255		**Spectra®, Pan/Tilt Dome Drives** *(28 21 31 00-0143)*		
		Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,787.19	55.57
28 21 31 00-0257	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,337.46	55.57
28 21 31 00-0258	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,017.27	55.57
28 21 31 00-0259	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,322.56	55.57
28 21 31 00-0260	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,220.19	55.57
28 21 31 00-0261	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,260.31	55.57
28 21 31 00-0262	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,808.29	55.57
28 21 31 00-0263	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,098.33	55.57
28 21 31 00-0264	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,098.33	55.57
28 21 31 00-0265		**Accessories For Spectra® Pan/Tilt Camera Dome Systems** *(28 21 31 00-0143)*		
28 21 31 00-0266	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0267	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0268	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	153.26	5.56
28 21 31 00-0269	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	420.37	5.56
28 21 31 00-0270	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	148.68	5.56
28 21 31 00-0271	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	277.63	5.56
28 21 31 00-0272	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	87.17	3.31
28 21 31 00-0273		**Camclosure®, Camera Dome Systems** *(28 21 31 00-0142)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0274		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0275		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0274)*		
28 21 31 00-0276		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0277	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	540.35	66.69
28 21 31 00-0278	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	609.14	66.69
28 21 31 00-0279	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	706.58	66.69
28 21 31 00-0280	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	706.58	66.69
28 21 31 00-0281		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	719.19	66.69
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	808.61	66.69
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	808.61	66.69
28 21 31 00-0285		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	863.64	66.69
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,084.89	66.69
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,084.89	66.69
28 21 31 00-0289		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0275)*		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	969.11	66.69
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,111.26	66.69
28 21 31 00-0292		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0274)*		
28 21 31 00-0293		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	712.56	44.46
28 21 31 00-0295		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	842.10	44.46
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	945.28	44.46
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	996.87	44.46
28 21 31 00-0301		Camclosure® IS Integrated Cameras *(28 21 31 00-0274)*		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	448.89	44.46
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	448.89	44.46
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	550.92	44.46
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	827.20	44.46
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	853.57	44.46
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0307)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	426.86	66.69
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	476.15	66.69
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	673.33	66.69
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	673.33	66.69
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0315	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	894.59	66.69
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0316)*		
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	628.87	44.46
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	808.61	66.69
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	911.79	66.69
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,041.33	66.69
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,092.92	66.69
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0328)*		
28 21 31 00-0330		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,661.53	66.69
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,661.53	66.69
28 21 31 00-0333		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,803.68	66.69
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,803.68	66.69
28 21 31 00-0336		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,022.65	66.69
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,022.65	66.69
28 21 31 00-0339		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0329)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,177.41	66.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,177.41	66.69
28 21 31 00-0342		**Accessories For Camclosure® Camera Dome Systems** *(28 21 31 00-0273)*		
28 21 31 00-0343	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	27.30	3.33
28 21 31 00-0344	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	27.30	3.33
28 21 31 00-0345	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	31.75	5.56
28 21 31 00-0346	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	63.84	5.56
28 21 31 00-0347	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	75.44	3.33
28 21 31 00-0348	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	63.84	5.56
28 21 31 00-0349	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	86.77	5.56
28 21 31 00-0350	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	246.92	11.11
28 21 31 00-0351	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	246.92	11.11
28 21 31 00-0352	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	246.92	11.11
28 21 31 00-0353	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	246.92	11.11
28 21 31 00-0354	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	81.04	5.56
28 21 31 00-0355	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	73.82	11.11
28 21 31 00-0356	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	73.82	11.11
28 21 31 00-0357	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	73.82	11.11
28 21 31 00-0358	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	73.82	11.11
28 21 31 00-0359	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	73.82	11.11
28 21 31 00-0360	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	73.82	11.11
28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	222.36	15.18
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	51.23	5.56
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	102.82	5.56
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	51.23	5.56
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	102.82	5.56
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,531.99	66.69
28 21 31 00-0367		**Pan/Tilt Camera Systems** *(28 21 31 00-0141)*		
28 21 31 00-0368		**Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369		**EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0368)*		
28 21 31 00-0370		**Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0369)*		
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	4,685.92	100.03
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,374.91	100.03
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,329.86	100.03
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	4,833.81	100.03
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,553.75	100.03
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,508.70	100.03
28 21 31 00-0377		**Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0369)*		
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	4,732.93	100.03
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,421.91	100.03
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,376.86	100.03
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	4,881.96	100.03
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	5,600.75	100.03
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,555.70	100.03
28 21 31 00-0384		**Esprit® CLZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0385		**DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 21 31 00-0384)*		
28 21 31 00-0386		**Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 21 31 00-0385)*		
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	4,864.76	100.03
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,553.75	100.03
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,508.70	100.03
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,012.65	100.03
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	5,732.59	100.03

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28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	6,687.54	100.03
28 21 31 00-0393		**Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems** *(28 21 31 00-0385)*		
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	4,911.76	100.03
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	5,600.75	100.03
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,555.70	100.03
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,060.80	100.03
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	5,779.59	100.03
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	6,734.54	100.03
28 21 31 00-0400		**Esprit® AJZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0401		**High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 21 31 00-0400)*		
28 21 31 00-0402		**Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 21 31 00-0401)*		
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,565.55	100.03
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,254.54	100.03
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,209.49	100.03
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	4,714.58	100.03
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,433.38	100.03
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,388.33	100.03
28 21 31 00-0409		**Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems** *(28 21 31 00-0401)*		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,613.70	100.03
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,301.54	100.03
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,257.64	100.03
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	4,646.95	100.03
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,761.59	100.03
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,480.38	100.03
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,436.48	100.03
28 21 31 00-0417		**Esprit® AMZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0418		**Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems** *(28 21 31 00-0417)*		
28 21 31 00-0419		**Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems** *(28 21 31 00-0418)*		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,539.99	100.03
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,494.94	100.03
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,000.04	100.03
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	5,718.83	100.03
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	6,673.78	100.03
28 21 31 00-0425		**Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems** *(28 21 31 00-0418)*		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	4,899.15	100.03
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,586.99	100.03
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,543.09	100.03
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,047.04	100.03
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	5,765.83	100.03
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	6,721.93	100.03
28 21 31 00-0432		**Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0433		**Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0432)*		
28 21 31 00-0434		**Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems** *(28 21 31 00-0433)*		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,647.41	100.03

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28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,151.36	100.03
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	6,826.25	100.03
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,050.48	100.03
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	6,695.56	100.03
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,199.51	100.03
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	5,918.30	100.03
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	6,874.40	100.03
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,530.82	100.03
28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,577.82	100.03
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	6,647.41	100.03
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,413.55	100.03
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,347.86	100.03
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	6,693.27	100.03
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,413.55	100.03
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,399.45	100.03
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0459)*		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,156.29	100.03
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,274.03	100.03
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,043.60	100.03
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	5,771.56	100.03
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,202.14	100.03
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,321.03	100.03
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,090.60	100.03
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	5,823.15	100.03
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	28,982.72	100.03
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,198.72	100.03
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	31,942.73	100.03
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,030.87	100.03
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,245.72	100.03
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	31,989.73	100.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0481		**Accessories For Esprit® Pan/Tilt Camera Systems** *(28 21 31 00-0367)*		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	8.30	1.11
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	51.23	5.56
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	92.50	5.56
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	123.46	5.56
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	302.61	15.18
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	465.37	15.18
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	386.30	15.18
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	558.01	15.18
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	271.66	15.18
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	847.28	15.18
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,465.06	15.18
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,764.27	15.18
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,831.91	15.18
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	1,938.52	15.18
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,335.89	15.18
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,364.91	15.18
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,392.77	15.18
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,334.97	15.18
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,513.81	15.18
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	86.62	3.58
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	86.62	3.58
28 21 31 00-0503		**Camera Lenses** *(28 21 31 00-0002)*		
28 21 31 00-0504		**Fixed Focus Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus.		
28 21 31 00-0505		**Manual Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)*		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	144.68	5.21
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	112.58	5.21
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	96.53	5.21
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	93.09	5.21
28 21 31 00-0510		**Direct Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	191.68	5.21
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	144.68	5.21
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	133.22	5.21
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	82.78	5.21
28 21 31 00-0515		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	234.10	5.21
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	185.95	5.21
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	174.49	5.21
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	165.32	5.21
28 21 31 00-0520		**Varifocal Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	202.88	5.21
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	176.78	5.21
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	127.49	5.21
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	106.85	5.21
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	348.74	5.21
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	149.25	5.21
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	161.44	5.21
28 21 31 00-0529		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)* Note: Includes spot filter.		
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	198.82	5.21
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	171.19	5.21
28 21 31 00-0532	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	122.44	5.21
28 21 31 00-0533	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	81.81	5.21
28 21 31 00-0534	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	384.28	5.21
28 21 31 00-0535	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	196.38	5.21
28 21 31 00-0536		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)* Note: Includes spot filter.		
28 21 31 00-0537	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	331.54	5.21
28 21 31 00-0538	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	289.13	5.21
28 21 31 00-0539	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	156.15	5.21
28 21 31 00-0540	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	326.96	5.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0541		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0542	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	100.50	5.21
28 21 31 00-0543	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	169.57	5.21
28 21 31 00-0544		**Motorized Zoom Camera Lenses** *(28 21 31 00-0503)* Note: 1/3" format.		
28 21 31 00-0545		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
28 21 31 00-0546	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	637.63	5.21
28 21 31 00-0547	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	807.30	5.21
28 21 31 00-0548	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	863.47	5.21
28 21 31 00-0549		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)* Note: Includes spot filter.		
28 21 31 00-0550	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	511.66	5.21
28 21 31 00-0551	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	596.97	5.21
28 21 31 00-0552	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	958.63	5.21
28 21 31 00-0553	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,050.38	5.21
28 21 31 00-0554	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,120.53	5.21
28 21 31 00-0555		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)* Note: Includes spot filter.		
28 21 31 00-0556	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	654.83	5.21
28 21 31 00-0557	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	787.81	5.21
28 21 31 00-0558	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,001.04	5.21
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,476.80	5.21
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,431.75	5.21
28 21 31 00-0561		**Camera Power Supplies** *(28 21 31 00-0002)*		
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	29.53	4.45
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	63.92	4.45
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	281.86	8.89
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	315.14	13.34
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	345.97	17.78
		For Switchable Outputs, Add	*186.24*	
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	379.23	22.23
		For Switchable Outputs, Add	*200.86*	
28 21 31 00-0568		**Camera Illuminators** *(28 21 31 00-0002)*		
28 21 31 00-0569		**Camera Illuminators** *(28 21 31 00-0568)* Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,774.06	8.89
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,774.06	8.89
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,774.06	8.89
28 21 31 00-0573		**Camera Illuminator Accessories** *(28 21 31 00-0568)*		
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	115.22	8.89
28 21 31 00-0575		**Camera Receivers** *(28 21 31 00-0002)*		
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,634.73	15.18
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,634.73	15.18
28 21 31 00-0578		**Pan And Tilt Drives** *(28 21 31 00-0002)*		
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,113.35	33.34
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,448.10	33.34
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,204.39	33.34
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,680.14	33.34
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,278.56	33.34
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,551.07	33.34
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585		**Scanners** *(28 21 31 00-0002)*		
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,288.75	33.34
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,360.98	33.34
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0588		Camera Monitors *(28 21 31 00-0001)*		
28 21 31 00-0589		Camera Monitors *(28 21 31 00-0588)*		
28 21 31 00-0590		Monochrome Camera Monitors *(28 21 31 00-0589)*		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	250.64	6.66
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	290.77	6.66
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	460.44	6.66
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	757.35	6.66
28 21 31 00-0595		Color Camera Monitors *(28 21 31 00-0589)*		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	858.24	6.66
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	690.86	6.66
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,016.44	6.66
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,360.36	6.66
28 21 31 00-0600		LCD Camera Monitors *(28 21 31 00-0588)*		
28 21 31 00-0601		VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) *(28 21 31 00-0600)* Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	974.02	6.66
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,276.67	6.66
28 21 31 00-0604		Multimode, Color LCD Camera Monitors (Pelco 300 Series) *(28 21 31 00-0600)* Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,111.59	6.66
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,336.29	6.66
28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,650.40	6.66
28 21 31 00-0608		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) *(28 21 31 00-0600)* Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,434.88	6.66
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,668.74	6.66
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,100.93	6.66
28 21 31 00-0612		Camera Monitor Mounting Accessories *(28 21 31 00-0588)*		
28 21 31 00-0613		Camera Monitor Mounts *(28 21 31 00-0612)*		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco)	304.38	8.89
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco)	360.55	8.89
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco)	429.34	8.89
28 21 31 00-0617		Camera Monitor Rack Mount Kits *(28 21 31 00-0612)*		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	170.25	8.89
28 21 31 00-0619		Video Transmission Equipment *(28 21 31 00-0001)*		
28 21 31 00-0620		UTP Cable, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0621		UTP Cable, Active Video Receivers *(28 21 31 00-0620)*		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	383.35	11.11
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,430.01	11.11
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,857.28	11.11
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,722.47	11.11
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,521.51	11.11
28 21 31 00-0627		UTP Cable, Passive Video Transceivers *(28 21 31 00-0620)*		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	80.70	11.11
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	383.35	11.11
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	745.61	11.11
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,458.67	11.11
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,896.25	11.11
28 21 31 00-0633		UTP Cable, Active Video Transmitters *(28 21 31 00-0620)*		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	402.83	11.11
28 21 31 00-0635		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0636		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0637		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0636)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,506.93	22.23
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	973.04	22.23
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,808.77	22.23
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,220.67	22.23
28 21 31 00-0642		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0636)*		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,506.93	22.23
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	973.04	22.23
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,808.77	22.23
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,220.67	22.23
28 21 31 00-0647		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0648		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0647)*		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,064.76	22.23
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	415.89	22.23
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,104.20	22.23
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,831.70	22.23
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,140.21	22.23
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,259.77	22.23
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,889.87	22.23
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,462.60	22.23
28 21 31 00-0657		Digitally Encoded Video, Fiber Optics Receivers *(28 21 31 00-0647)*		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,064.76	22.23
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	415.89	22.23
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,878.70	22.23
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	710.52	22.23
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,104.20	22.23
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,831.70	22.23
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,140.21	22.23
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,259.77	22.23
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,889.87	22.23
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,462.60	22.23
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0668)*		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,898.19	22.23
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,096.86	22.23
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,533.76	22.23
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	3,913.56	22.23
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,391.74	22.23
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,335.10	22.23
28 21 31 00-0676		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0668)*		
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,898.19	22.23
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,096.86	22.23
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,533.76	22.23
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	3,913.56	22.23
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,391.74	22.23
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,335.10	22.23
28 21 31 00-0683		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0684		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0683)*		
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,470.24	22.23
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,947.48	22.23

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0687		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 31 00-0683)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,470.24	22.23
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,947.48	22.23
28 21 31 00-0690		Video Amplifiers *(28 21 31 00-0619)*		
28 21 31 00-0691		Video Distribution Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	294.27	5.56
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,545.80	5.56
28 21 31 00-0694		Video Equalizing Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	321.78	5.56
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	517.82	5.56
28 21 31 00-0697		Network Video Equipment *(28 21 31 00-0001)*		
28 21 31 00-0698		Video Encoders/Decoders *(28 21 31 00-0697)*		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,186.27	11.11
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,186.27	11.11
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,378.87	11.11
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,378.87	11.11
28 21 31 00-0703		Network Video Recorders *(28 21 31 00-0697)*		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	7,984.43	22.23
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,306.23	22.23
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	11,952.12	22.23
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,884.69	22.23
28 21 31 00-0708		Network Video Recorder Software *(28 21 31 00-0697)*		
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,096.41	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,540.07	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	11,977.78	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,895.45	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,339.11	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,774.53	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,629.49	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,074.29	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,510.86	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	8,959.31	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,402.97	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,840.68	
28 21 31 00-0731		Video Recording Equipment *(28 21 31 00-0001)*		
28 21 31 00-0732		Digital Video Recorders *(28 21 31 00-0731)*		
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,552.83	22.23
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,246.19	22.23
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	21,940.70	22.23
28 21 31 00-0736	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,131.08	22.23
28 21 31 00-0737	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,824.45	22.23
28 21 31 00-0738	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,518.95	22.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0739	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,549.18	22.23
28 21 31 00-0740	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,242.54	22.23
28 21 31 00-0741	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	25,937.05	22.23
28 21 31 00-0742	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,127.43	22.23
28 21 31 00-0743	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,820.80	22.23
28 21 31 00-0744	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,515.30	22.23
28 21 31 00-0745	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,865.80	22.23
28 21 31 00-0746		Digital Video Recorder Accessories *(28 21 31 00-0731)*		
28 21 31 00-0747	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,145.00	11.11
28 21 31 00-0748		Matrix Systems And Controls *(28 21 31 00-0001)*		
28 21 31 00-0749		Video Multiplexers *(28 21 31 00-0748)*		
28 21 31 00-0750		Monochrome Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0751	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,238.67	22.23
28 21 31 00-0752	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,111.42	22.23
28 21 31 00-0753		Color Duplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0754	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,485.48	22.23
28 21 31 00-0755	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,908.17	22.23
28 21 31 00-0756	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,159.23	22.23
28 21 31 00-0757		Color Simplex, Video Multiplexers *(28 21 31 00-0749)*		
28 21 31 00-0758	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,431.26	22.23
28 21 31 00-0759	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,853.14	22.23
28 21 31 00-0760		Video Multiplexer Accessories *(28 21 31 00-0749)*		
28 21 31 00-0761	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,271.32	15.18
28 21 31 00-0762	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	700.41	15.18
28 21 31 00-0763	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,238.67	22.23
28 21 31 00-0764		Quad Video Processor *(28 21 31 00-0748)*		
28 21 31 00-0765	EA	Monochrome, Quad Video Processor (Pelco QD104M)	676.82	11.11
28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C)	1,135.38	11.11
28 21 31 00-0767		Switcher *(28 21 31 00-0748)*		
28 21 31 00-0768		Terminating Manual Switchers *(28 21 31 00-0767)*		
28 21 31 00-0769		Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	216.11	8.89
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	305.53	8.89
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	378.90	8.89
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	641.42	8.89
28 21 31 00-0774		Audio Follow, Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	289.48	8.89
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	535.95	8.89
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	961.27	8.89
28 21 31 00-0778		Balanced Audio Follow, Terminating Manual Switchers *(28 21 31 00-0768)*		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	398.38	8.89
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	758.35	8.89
28 21 31 00-0781		Looping Manual Switchers *(28 21 31 00-0767)*		
28 21 31 00-0782		Looping Manual Switchers *(28 21 31 00-0781)*		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	245.91	8.89
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	350.24	8.89
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	455.70	8.89
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	773.26	8.89
28 21 31 00-0787		Audio Follow, Looping Manual Switchers *(28 21 31 00-0781)*		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	314.70	8.89
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	574.93	8.89
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	801.92	8.89
28 21 31 00-0791		Balanced Audio Follow, Looping Manual Switchers *(28 21 31 00-0781)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	429.34	8.89
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	805.36	8.89
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,022.03	8.89
28 21 31 00-0795		Sequential Switchers *(28 21 31 00-0767)*		
28 21 31 00-0796		Single Output, Sequential Switchers *(28 21 31 00-0795)*		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	456.85	8.89
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	697.60	8.89
28 21 31 00-0799		Dual Outputs, Sequential Switchers *(28 21 31 00-0795)*		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	579.52	8.89
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	815.67	8.89
28 21 31 00-0802		Controls *(28 21 31 00-0748)*		
28 21 31 00-0803		Direct/Multi-Cable Controls *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	337.94	22.23
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	366.60	22.23
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	415.89	22.23
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	438.82	22.23
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	741.47	22.23
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	825.16	22.23
28 21 31 00-0810		Coaxitron Controls *(28 21 31 00-0802)*		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	487.18	15.18
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,027.14	15.18
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,181.90	15.18
28 21 31 00-0814		Digital Controls *(28 21 31 00-0802)*		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	694.68	15.18
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,259.85	15.18
28 21 31 00-0817		Lock Boxes *(28 21 31 00-0748)*		
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000)	433.43	16.67
		For Wall Mount, Add	*165.00*	
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	444.90	16.67
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	869.07	16.67
28 21 31 00-0821		Test And Certification Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	346.07	
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System	108.15	
28 21 31 00-0824		Programming Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0825	HR	Programming Of Surveillance Camera (CCTV) System	86.52	
28 21 31 00-0826		Removal And Reinstallation Of Cameras *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	200.06	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001		Monitoring System For Underground Tanks *(28 42 11)*		
28 42 11 00-0002		Continuous Leak Detection System *(28 42 11 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	7,918.63	181.06
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	10,694.23	241.56
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	15,423.68	258.79
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	16,245.45	362.12
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	12,203.67	30.91
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	11,006.21	27.60
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	14,491.80	30.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0010	EA	Tank Leak Detection Probe	4,496.27	6.62
28 42 11 00-0011	EA	Secondary Containment Collar Probe	542.38	2.65
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	991.80	5.52
28 42 11 00-0013	EA	Liquid Phase Detection	3,278.94	16.56
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,022.11	16.56
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	3,537.85	18.77
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,051.51	18.77

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,064.36	16.67
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	90.54	5.56
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	475.85	16.67

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm *(28 46 13 31)*

28 46 13 31-0002 EST3 Life Safety And Security Control *(28 46 13 31-0001)*

28 46 13 31-0003 EST3 Network *(28 46 13 31-0002)*

28 46 13 31-0004 Remote Annunciators *(28 46 13 31-0003)*

28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,589.52	33.34
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,270.95	33.34
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,642.42	33.34
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	999.03	33.34
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	164.11	11.11
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	595.18	33.34
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	729.08	33.34
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	688.30	33.34
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	868.06	22.23
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	100.87	11.11
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,906.73	33.34
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,755.19	11.11

28 46 13 31-0017 Remote Annunciators Cabinets *(28 46 13 31-0003)*

28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	112.18	11.11
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	107.73	8.89
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	132.14	11.11
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	127.69	8.89
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	150.86	11.11
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	146.41	8.89

28 46 13 31-0024 Audio And Telephone Masters *(28 46 13 31-0003)*

28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,434.29	44.46
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	2,948.15	44.46
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	2,262.31	44.46
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,777.21	44.46
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,196.68	44.46
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	2,331.13	22.23

28 46 13 31-0031 Battery Distribution Unit *(28 46 13 31-0003)*

28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	443.22	398.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0033		**Remote Booster Power Supply** *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	843.72	33.34
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	981.97	33.34
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,083.85	33.34
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	115.52	11.11
28 46 13 31-0038		**Batteries And Battery Cabinets** *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	77.56	11.11
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	107.59	11.11
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	314.81	11.11
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	119.62	11.11
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	411.00	11.11
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	211.87	11.11
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	879.68	11.11
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	218.07	11.11
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,068.13	11.11
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	101.74	11.11
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	86.73	11.11
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	379.54	22.23
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	298.65	22.23
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,145.68	44.46
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,464.15	44.46
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,124.55	44.46
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	1,220.83	11.11
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	214.50	16.67
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	249.46	16.67
28 46 13 31-0061	EA	Intelligent Multisensor Detector - Photoelectric, Heat (Edwards SIGA-PHD)	150.46	16.67
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector, Duct Mounted (Edwards SIGA-PD)	128.38	16.67
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	183.25	16.67
28 46 13 31-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (Edwards SIGA-HRD)	105.34	16.67
28 46 13 31-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (Edwards SIGA-HFD)	105.34	16.67
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	258.76	16.67
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	292.89	16.67
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	236.41	16.67
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	371.87	16.67
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	185.86	16.67
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	185.86	16.67
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	281.93	16.67
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	458.06	27.79
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	11.20	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	48.01	6.66
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	113.01	8.89
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	165.88	8.89
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	52.68	8.89
28 46 13 31-0080		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	220.77	11.11
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	95.19	11.11
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	146.07	11.11
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	192.90	11.11
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	165.27	11.11
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	175.83	11.11
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	122.07	11.11
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	161.72	11.11
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	231.36	11.11
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	224.37	11.11
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	213.95	11.11
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	192.35	181.23
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	128.52	11.11
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	232.50	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0095		**Module Accessories, Signature** *(28 46 13 31-0057)*		
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	46.10	5.56
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	189.52	11.11
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	11.87	3.33
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	58.15	5.56
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	49.50	5.56
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	52.92	5.56
28 46 13 31-0102		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	201.34	23.11
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	253.59	23.11
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	30.98	28.75
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	41.05	38.82
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	40.35	31.46
28 46 13 31-0108		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	158.70	23.11
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	41.80	2.22
28 46 13 31-0111		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)*		
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	123.40	5.56
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	32.11	5.56
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	159.66	5.56
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	80.92	5.56
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	98.33	5.56
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP)	167.99	5.56
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	46.10	5.56
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	12.02	3.33
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	12.02	3.33
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	59.06	3.33
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	96.57	5.56
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	104.03	5.56
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	61.03	5.56
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	83.55	5.56
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	27.43	5.56
28 46 13 31-0127		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,891.44	33.34
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,174.42	33.34
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	1,940.05	33.34
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,188.96	33.34
28 46 13 31-0132		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	169.66	11.11
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	41.66	5.56
28 46 13 31-0135		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0136		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0135)*		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	107.81	16.67
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	107.81	16.67
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	132.06	16.67
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	80.48	16.67
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	80.48	16.67
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	80.48	16.67
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	80.48	16.67
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	57.52	16.67
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	57.52	16.67
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	57.52	16.67
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	231.06	16.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	231.06	16.67
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	129.11	16.67
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	129.11	16.67
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	107.81	16.67
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	107.81	16.67
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	107.81	16.67
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	107.81	16.67
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	114.63	16.67
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	114.63	16.67
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	130.58	16.67
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	114.63	16.67
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	114.63	16.67
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	42.59	16.67
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	42.59	16.67
28 46 13 31-0162		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	78.42	16.67
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	155.35	16.67
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	78.42	16.67
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	155.35	16.67
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	36.53	8.89
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	36.53	8.89
28 46 13 31-0169		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	106.32	16.67
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	155.35	16.67
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	170.88	16.67
28 46 13 31-0173		**Harsh Environment Signals** *(28 46 13 31-0135)*		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	87.23	16.67
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	148.46	16.67
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	148.46	16.67
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	130.25	16.67
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	118.15	16.67
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	130.25	16.67
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	130.25	16.67
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	130.25	16.67
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	142.21	18.90
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	142.21	18.90
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	94.61	16.67
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	142.65	16.67
28 46 13 31-0186		**Fire Alarm Bells** *(28 46 13 31-0135)*		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	165.44	16.67
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	119.71	16.67
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	139.23	16.67
28 46 13 31-0190		**Multiple Tone Signal** *(28 46 13 31-0135)*		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,405.47	1,388.80
28 46 13 31-0192		**Multi-Purpose Loudspeaker** *(28 46 13 31-0135)*		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	238.38	16.67
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	238.38	16.67
28 46 13 31-0195		**Bell/Strobe Plate** *(28 46 13 31-0135)*		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	118.84	8.89
28 46 13 31-0197		**Mounting Accessories** *(28 46 13 31-0135)*		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	37.94	8.89
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	37.94	8.89
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	37.94	8.89
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	37.94	8.89
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	37.94	8.89
28 46 13 31-0203		**Firefighters' Telephones** *(28 46 13 31-0135)*		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,209.74	27.79
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	632.67	27.79
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	424.85	27.79
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	279.98	27.79
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	606.80	27.79
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	331.68	27.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	698.38	27.79
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	348.92	27.79
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	815.66	27.79
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	66.14	8.89
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	81.14	8.89
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	153.69	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	153.69	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	202.27	11.11
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	261.99	11.11
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	172.41	11.11
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	163.63	11.11
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	87.90	16.67
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,274.02	22.23
28 46 13 31-0223		**Mass Notification EC Appliances** *(28 46 13 31-0135)*		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	114.68	16.67
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	108.48	16.67
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	114.68	16.67
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	108.48	16.67
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	14.07	3.33
28 46 13 31-0229		**Hazardous Location Devices** *(28 46 13 31-0002)*		
28 46 13 31-0230		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 13 31-0229)*		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	89.63	16.67
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	89.63	16.67
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	95.70	16.67
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	95.70	16.67
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	151.76	16.67
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	151.76	16.67
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	95.70	16.67
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	95.70	16.67
28 46 13 31-0239		**Hazardous Locations Fire Alarm Station** *(28 46 13 31-0229)*		
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,287.98	27.79
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,221.02	27.79
28 46 13 31-0242		**Hazardous Location Strobes** *(28 46 13 31-0229)*		
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,009.20	16.67
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	365.56	5.56
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	480.58	6.66
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	345.82	6.66
28 46 13 31-0247		**Hazardous Location Bells** *(28 46 13 31-0229)*		
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,432.00	16.67
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,470.76	16.67
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,484.73	16.67
28 46 13 31-0251		**Hazardous Location Horns** *(28 46 13 31-0229)*		
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,398.60	16.67
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,130.37	16.67
28 46 13 31-0254		**Door Holders And Relays** *(28 46 13 31-0002)*		
28 46 13 31-0255		**Electromagnetic Door Holders** *(28 46 13 31-0254)*		
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	197.39	16.67
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	275.18	16.67
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	157.66	16.67
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	157.66	16.67
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	161.25	16.67
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	164.68	16.67
28 46 13 31-0262		**Control Relays, Multi-Voltage** *(28 46 13 31-0254)*		
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	40.04	3.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0264		**FireShield Plus** *(28 46 13 31-0002)*		
28 46 13 31-0265		**3 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	902.21	133.38
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,378.62	177.83
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	902.21	133.38
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,378.62	177.83
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	78.14	5.56
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	78.14	5.56
28 46 13 31-0272		**5 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,010.71	133.38
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,480.91	177.83
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,010.71	133.38
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,480.91	177.83
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	78.14	5.56
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	78.14	5.56
28 46 13 31-0279		**10 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,518.11	177.83
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,994.52	222.28
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,471.62	177.83
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,994.52	222.28
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	94.93	5.56
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	169.83	11.11
28 46 13 31-0286		**FireShield Plus Off Premise Communication Options** *(28 46 13 31-0264)*		
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	425.21	11.11
28 46 13 31-0288		**FireShield Plus Remote LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	133.92	16.67
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	133.92	16.67
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	141.84	16.67
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	26.82	3.33
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	36.94	3.33
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	61.24	3.33
28 46 13 31-0295		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	560.32	16.67
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	622.32	16.67
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	177.22	11.11
28 46 13 31-0299		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0264)*		
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	189.87	11.11
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	70.45	6.66
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	329.12	11.11
28 46 13 31-0303		**FireShield Plus Accessories** *(28 46 13 31-0264)*		
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	15.18	
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	6.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0306		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0307		**Intelligent Analog Control Panels** *(28 46 13 31-0306)*		
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,525.88	222.28
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,826.57	222.28
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	2,013.27	177.83
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,152.76	177.83
28 46 13 31-0312		**Option Modules And Accessories For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	343.33	16.67
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	188.33	16.67
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	188.33	16.67
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	177.22	11.11
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	420.76	8.89
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	792.75	8.89
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	76.21	5.56
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	91.71	5.56
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,439.40	22.23
28 46 13 31-0322		**Remote Annunciators For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	769.55	16.67
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	808.31	16.67
28 46 13 31-0325		**Remote Annunciator Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	73.11	5.56
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	42.11	5.56
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	65.35	5.56
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	188.33	16.67
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	227.07	16.67
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	265.83	16.67
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	42.11	5.56
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	42.11	5.56
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	109.83	5.56
28 46 13 31-0335		**System Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	379.54	22.23
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,413.34	177.83
28 46 13 31-0338		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0339		**Detectors, Heat, Double Pole** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	116.86	16.67
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	116.86	16.67
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	116.86	16.67
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	116.86	16.67
28 46 13 31-0344		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0338)*		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	45.87	16.67
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	271.15	8.89
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	52.44	11.11
28 46 13 31-0348		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	104.94	16.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	104.94	16.67
28 46 13 31-0351		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0352		**Audio Notification Panels** *(28 46 13 31-0351)*		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,047.89	222.28
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,047.89	222.28
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	3,544.46	222.28
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	3,544.46	222.28
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,288.42	222.28
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,288.42	222.28
28 46 13 31-0359		**Audio Notification Expander Panels** *(28 46 13 31-0351)*		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	3,668.45	222.28
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	3,668.45	222.28
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,211.51	222.28
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,211.51	222.28
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,063.97	222.28
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,063.97	222.28
28 46 13 31-0366		**Audio Notification Output Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	150.60	5.56
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	719.70	11.11
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	719.70	11.11
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	502.71	11.11
28 46 13 31-0371		**Audio Notification Remote Microphone** *(28 46 13 31-0351)*		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	161.72	11.11
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	797.20	11.11
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	797.20	11.11
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	166.10	5.56
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	80.84	5.56
28 46 13 31-0377		**Audio Notification Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	301.22	11.11
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	301.22	11.11
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	301.22	11.11
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	719.70	11.11
28 46 13 31-0382		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0351)*		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,694.85	22.23
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,834.35	22.23
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,950.30	22.23
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,439.40	22.23
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,439.40	22.23
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,694.85	22.23
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,136.88	22.23
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,276.37	22.23
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,392.32	22.23
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	150.60	5.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	105.72	5.56
28 46 13 31-0394		**EST4 Life Safety And Security Control** *(28 46 13 31-0001)*		
28 46 13 31-0395		**Audio Units And Interfaces** *(28 46 13 31-0394)*		
28 46 13 31-0396	EA	Annunciator, Audio And Telephone Interface Module (EST4 4-ANNAUDTEL)	220.02	33.34
28 46 13 31-0397	EA	Audio And Telephone Interface/Riser Module (EST4 4-AUDTELS)	635.57	11.11
28 46 13 31-0398	EA	Firefighter Master Handset (EST4 4-FT)	561.57	27.79
28 46 13 31-0399	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	488.39	33.34
28 46 13 31-0400	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	559.78	33.34
28 46 13 31-0401	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	615.03	33.34
28 46 13 31-0402	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate (EST4 4-LCDAUDTELCAB-MPLT) Note: For CAB7, CAB14, CAB21, 4-16ANNMT and 4-24ANNMT applications	743.51	33.34
28 46 13 31-0403	EA	Paging Microphone (EST4 4-MIC)	662.72	11.11
28 46 13 31-0404		**Cabinets And Chassis** *(28 46 13 31-0394)*		
28 46 13 31-0405	EA	Battery Shelf For RCCxx Series Cabinets (EST4 3-BATS) Note: Takes one chassis space in a RCC cabinet. Provides space for up to one 65AH battery.	48.18	3.86
28 46 13 31-0406	EA	Battery Distribution Module (EST4 3-BTSEN)	319.68	44.46
28 46 13 31-0407	EA	Wallbox With 2 Chassis Spaces (EST4 3-CAB14B)	569.75	16.67
28 46 13 31-0408	EA	Wallbox With 3 Chassis Spaces (EST4 3-CAB21B)	711.43	16.67
28 46 13 31-0409	EA	Backbox, Black (EST4 3-CAB5B) Note: Supports five Local Rail Modules.	240.34	16.67
28 46 13 31-0410	EA	Wallbox With 1 Chassis Space (EST4 3-CAB7B)	367.37	16.67
28 46 13 31-0411	EA	3-CAB - Seismic Battery Hold Down For 3-CAB 7, 14 Or 21 (EST4 3-CABEQ) Note: Supports two 12V batteries from 10 Amp hrs up to 18 Ahrs. Comes with EST3 Chassis hardening hardware and instructions	308.72	4.45
28 46 13 31-0412	EA	Chassis Assembly (EST4 3-CHAS7) Note: Fits in any Lobby or Remote Closet Cabinet except CAB5 Series. Provides space for up to seven LRMs. Rear space for up to two power supplies.	417.93	16.67
28 46 13 31-0413	EA	Remote Closet Enclosure, Red (EST4 3-RCC14R)	984.55	44.46
28 46 13 31-0414	EA	Remote Closet Enclosure, Red (EST4 3-RCC21R)	1,414.62	44.46
28 46 13 31-0415	EA	Remote Closet Enclosure, Red (EST4 3-RCC7R)	777.14	44.46
28 46 13 31-0416	EA	3-RCC Series Cabinet, Seismic Battery Hold Down For 3-RCC1XXR Series (EST4 3-RCCEQ50) Note: Supports one set of 50 Amp hr (two batteries). Order 3-RCC14R or 3-RCC21R separately.	256.54	55.57
28 46 13 31-0417	EA	3-RCC Series Cabinet, Seismic Battery Hold Down (EST4 3-RCCEQ65) Note: Supports one set of 65 Ahr (two batteries) batteries (one battery in bottom of cabinet, one battery mounted on 3-BATS. Order 3-RCCxxR cabinet and 3-BATS separately.	710.75	55.57
28 46 13 31-0418	EA	Tamper Switch For CAB5 Series Cabinets (EST4 3-TAMP5)	83.02	11.11
28 46 13 31-0419	EA	Tamper Switch For 3-RCC Cabinets (EST4 3-TAMPRCC)	83.02	11.11
28 46 13 31-0420	EA	Mounting Bracket (EST4 4-BRKT-CB) Note: Provides space for mounting any one of 4-ANNCPU, 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. Mounts on the back plane of a 3-CHAS7 or on the back plane of a 3-ASU chassis in retrofit applications.	68.07	5.56
28 46 13 31-0421	EA	Mounting Bracket (EST4 4-BRKT-CS) Note: Provides space for mounting any one of 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. The bracket mounts to the side of a 3-CHAS7.	68.07	5.56
28 46 13 31-0422	EA	Door Assembly, Bronze (EST4 4-CAB16D) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	584.15	3.33
28 46 13 31-0423	EA	Door Assembly, Red (EST4 4-CAB16DR) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	584.15	3.33
28 46 13 31-0424	EA	Door Assembly, Bronze (EST4 4-CAB24D) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	724.75	3.33
28 46 13 31-0425	EA	Door Assembly, Bronze (EST4 4-CAB24DL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	830.23	3.33
28 46 13 31-0426	EA	Door Assembly, Red (EST4 4-CAB24DR) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	725.64	3.33
28 46 13 31-0427	EA	Door Assembly, Red (EST4 4-CAB24DRL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	830.23	3.33
28 46 13 31-0428	EA	Door Assembly, Bronze (EST4 4-CAB8D) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	407.01	3.33
28 46 13 31-0429	EA	Door Assembly, Red (EST4 4-CAB8DR) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	407.01	3.33
28 46 13 31-0430	EA	Replacement Hinge Assembly For CAB21 (EST4 4-HNG21)	63.99	
28 46 13 31-0431	EA	Replacement Hinge Assembly For CAB7 Or 14 (EST4 4-HNG714)	63.99	
28 46 13 31-0432	EA	Replacement Door Lock And Two Keys (EST4 4-LOCK2KEY)	96.99	
28 46 13 31-0433	EA	Mounting Plate (EST4 4-MPLT) Note: Mounts in chassis or battery space	202.59	5.56
28 46 13 31-0434	EA	Tamper Switch For 3-CAB7B, 3-CAB14B And 3-CAB21B Cabinets With 4-CABXXD Series Doors (EST4 4-TAMP) Note: Mounts to side of cabinet.	74.72	11.11
28 46 13 31-0435	EA	Battery Cabinet, Black Backbox, Bronze Door (EST4 BC-1) Note: Supports up to 40AH batteries	239.63	22.23
28 46 13 31-0436	EA	Seismic Battery Hold Down For BC-1 (EST4 BC-1EQ) Note: Supports up to two 40 Ahr batteries. Order BC-1 or BC-1R Separately.	147.70	4.45
28 46 13 31-0437	EA	Battery Cabinet, Black Backbox, Red Door (EST4 BC-1R) Note: Supports up to 40AH batteries.	239.63	22.23
28 46 13 31-0438	EA	8" x 14 x 3-1/2" Multi-Function Enclosure, Red (EST4 MFC-A)	135.82	22.23
28 46 13 31-0439		**Central Processing Unit** *(28 46 13 31-0394)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0440	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	590.87	33.34
28 46 13 31-0441	EA	Cable (EST4 4-CABL0542) Note: Interconnects the 4-CPU to the inner door rail when no 4-LCD display is installed in the cabinet.	112.64	5.56
28 46 13 31-0442	EA	Cable, USB 3.0 A-B, Male, Long (EST4 4-CABLUSBLG)	60.71	5.56
28 46 13 31-0443	EA	Common Relay Module (EST4 4-COMREL)	63.93	5.56
28 46 13 31-0444	EA	Central Processor Module (EST4 4-CPU)	1,216.70	33.34
28 46 13 31-0445	EA	EST4 Software License, 1 Seat (EST4 4-CUSWL)	657.30	
28 46 13 31-0446		**Control Display Modules** *(28 46 13 31-0394)*		
28 46 13 31-0447	EA	Control Display Module With 24 Indicators (EST4 4-24L)	346.31	33.34
28 46 13 31-0448	EA	Control Display Module With 24 Indicators And 12 Switches (EST4 4-24L12S)	451.14	33.34
28 46 13 31-0449	EA	Control Display Module With 24 Indicators And 18 Switches (EST4 4-24L18S)	451.14	33.34
28 46 13 31-0450	EA	Control Display Module With 24 Indicators And 24 Switches (EST4 4-24L24S)	466.03	33.34
28 46 13 31-0451	EA	Blank Filler Plate (EST4 4-FIL)	14.04	5.56
28 46 13 31-0452		**Liquid Crystal Display (LCD) Modules** *(28 46 13 31-0394)*		
28 46 13 31-0453	EA	LCD Display For EST3 Panels (EST4 4-3LCD) Note: Allows reuse of EST3 UI layer in retrofit applications. The 4-3LCD can be mounted in remote closet cabinets where an LCD display is needed. The display mounts on the 4-CPU module.	756.70	33.34
28 46 13 31-0454	EA	LCD With Cable For Annunciator Enclosure 4-4ANN, 4-6ANN Mounting (EST4 4-LCDANN)	748.84	33.34
28 46 13 31-0455	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	488.39	33.34
28 46 13 31-0456	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	559.78	33.34
28 46 13 31-0457	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	615.03	33.34
28 46 13 31-0458	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate For CAB7, CAB14, CAB21, 4-16ANNMT And 4-24ANNMT Applications (EST4 4-LCDAUDTELCAB-MPLT)	743.51	33.34
28 46 13 31-0459	EA	LCD With Cable For 3-CAB5B, 7B, 14B, 21B, 4-8ANN, 16ANN And 24ANN Mounting (EST4 4-LCDLE)	746.83	33.34
28 46 13 31-0460		**Network Accessories** *(28 46 13 31-0394)*		
28 46 13 31-0461	EA	Firewall (EST4 4-FWAL1) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	460.11	
28 46 13 31-0462	EA	Firewall W/DACT (EST4 4-FWAL2) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	544.34	
28 46 13 31-0463	EA	Firewall W/EMAIL (EST4 4-FWAL3) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	521.34	
28 46 13 31-0464	EA	Firewall W/DACT/ EMAIL/DIAG (EST4 4-FWAL4) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	1,510.35	
28 46 13 31-0465	EA	SFP Network Firewall Adapter, CAT5 UTP Copper, 100Base-TX, 100 Mbps (EST4 4-FWAL-CAT)	281.27	11.11
28 46 13 31-0466	EA	SFP Network Firewall Adapter, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-FWAL-MM)	380.86	11.11
28 46 13 31-0467	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-FWAL-SM)	996.89	11.11
28 46 13 31-0468	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-FWAL-SMD) Note: Works with 4-FWAL-SMU	1,214.80	11.11
28 46 13 31-0469	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-FWAL-SMH)	1,313.77	11.11
28 46 13 31-0470	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-FWAL-SMU) Note: Works with 4-FWAL-SMD	1,214.80	11.11
28 46 13 31-0471	EA	Network Adder Module (EST4 4-NET-AD)	587.93	11.11
28 46 13 31-0472	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	362.57	33.34
28 46 13 31-0473	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	488.61	33.34
28 46 13 31-0474	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,213.36	33.34
28 46 13 31-0475	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,469.70	33.34
28 46 13 31-0476	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,586.15	33.34
28 46 13 31-0477	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx Note: Works with 4-NET-SMD	1,469.70	33.34
28 46 13 31-0478	EA	SFP Network Controller, 2Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	362.57	33.34
28 46 13 31-0479	EA	SFP Network Controller, 0.3Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	573.68	33.34
28 46 13 31-0480	EA	Network Extender Module (EST4 4-NET-XT) Note: Mounts to DIN rail on 4-MPLT ordered separately	2,168.91	11.11
28 46 13 31-0481	EA	4-USBHUB Multi-port USB Hub Module (EST4 4-USBHUB) Note: Mounts in a ½ footprint module space and provides isolated RS-232 USB and terminal block connections for RS-232 to CDR connections.	482.23	11.11
28 46 13 31-0482	EA	Coder, PSNI (EST4 CDR-3) Note: Positive, non-interfering, successive and march time codes PSNI code out (relay & tone outputs). March time out (relay & tone outputs). Connects to RS-232 serial port. Requires 1/2 size cabinet footprint and 24 VDC power.	566.82	11.11
28 46 13 31-0483	EA	Field Server Bridge Bracket For FSB-PC2 Or FSB-PCLW (EST4 FSB-BRKT2)	65.53	5.56
28 46 13 31-0484	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4) Note: Mounts on FSB-BRKT2, ordered separately.	2,255.26	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0485	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4LW) Note: Mounts on FSB-BRKT2, ordered separately.	2,255.26	11.11
28 46 13 31-0486	EA	Ground Fault Detection Module (EST4 GFD) Note: One required for every two 3-NSHM1/2s.	314.74	5.56
28 46 13 31-0487	EA	Isolator Module, RS232 (EST4 IOP3A) Note: For use with short haul modems, VDU-3, CCA Series, CGP Series and FCOM-232, requires 1/2 size cabinet footprint.	991.09	177.83
28 46 13 31-0488	EA	MN-FVPN, MN-ABPM, MN-PASM2, MN-COM1S, MN-NETRLY4 And/Or MN-FNS(4)(8) Series Switch Mounting Bracket For EST3 Enclosures (EST4 MN-BRKT1F)	240.63	5.56
28 46 13 31-0489	EA	24 VDC, 4 Fast Ethernet (RJ45), 2 GB SFP, Layer 3 Lite (EST4 MN-FNS4C2F3)	2,780.41	44.46
28 46 13 31-0490	EA	MN-FNS4 Series Switch Holder Bracket (EST4 MN-FNS4HDK1) Note: Used with MN-BRKT Series. One required per switch.	109.67	5.56
28 46 13 31-0491	EA	Desk Top Style, System Printer (EST4 PT-1S)	1,057.52	11.11
28 46 13 31-0492		**Power Supplies** *(28 46 13 31-0394)*		
28 46 13 31-0493	EA	Primary Power Supply With Local Rail Module 120-240V 50/60 Hz (EST4 4-PPS/M)	1,060.28	5.56
28 46 13 31-0494		**Remote Annunciators** *(28 46 13 31-0394)*		
28 46 13 31-0495	EA	LED/SWITCH Driver Module Assembly (EST4 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	603.10	33.34
28 46 13 31-0496	EA	Plastic Mounting Extrusion (EST4 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	86.08	11.11
28 46 13 31-0497	EA	Power Supply Assembly (EST4 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	525.28	33.34
28 46 13 31-0498	EA	16 Slots (2 rows of 8), Bronze Annunciator (EST4 4-16ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-16ANNMT (Surface mount) or 3-CAB7B (semi-flush mount), required network Controllers 4-NET-XX series, end user interfaces and required filler plates separately.	1,148.17	33.34
28 46 13 31-0499	EA	Surface Mount Wall Box Assembly For Eight Wide By Two High Annunciators (16 spaces) (EST4 4-16ANNMT)	301.46	8.89
28 46 13 31-0500	EA	24 slots (3 rows of 8), Bronze Annunciator (EST4 4-24ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall mounting assembly 4-24ANNMT, required network Controllers 4-NET-XX series, and End User interfaces and required filler plates separately.	1,243.40	33.34
28 46 13 31-0501	EA	Surface Mount Wallbox Assembly For Eight Wide By Three High Annunciator (24 spaces) (EST4 4-24ANNMT)	413.37	8.89
28 46 13 31-0502	EA	LCD Annunciator (EST4 4-2ANN) Note: Comes with 4-LCDANN color touchscreen display, 4-ANNCPU, bronze outer door and black inner door. Order wallbox assembly model 4-2ANNMT and required network Controllers 4-NET-XX separately	1,436.73	33.34
28 46 13 31-0503	EA	Mounting Assembly For 4-2ANN, Two Wide Annunciator (EST4 4-2ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	121.32	16.67
28 46 13 31-0504	EA	Bronze Annunciator (EST4 4-4ANN) Note: Supports 4 slots (1 row of 4). Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-4ANNMT, required network controllers 4-NET-XX series, any user interfaces and filler plates separately.	778.32	33.34
28 46 13 31-0505	EA	Mounting Assembly For 4-4ANN, Four Wide annunciator (EST4 4-4ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	196.77	16.67
28 46 13 31-0506	EA	Bronze Annunciator, 6 Slots (1 row of 6) (EST4 4-6ANN) Note: Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-6ANNMT, required network Controllers 4-NET-XX series, any user interfaces and required filler plates separately.	815.09	33.34
28 46 13 31-0507	EA	Mounting Assembly For 4-6ANN, Six Wide Annunciator (EST4 4-6ANNMT) Note: Supports surface or semiflush mounting. Comes with wallbox, surface mounting plastic fillers and semi-flush trip.	234.74	16.67
28 46 13 31-0508	EA	Bronze Annunciator, 8 Slots (2 rows of 4) (EST4 4-8ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-8ANNMT (surface mounting), or 3-CAB5B (Semi-flush mounting) required network Controllers 4-NET-XX series, End User interfaces and required filler plates separately.	964.98	33.34
28 46 13 31-0509	EA	Mounting Assembly For 4-8ANN, Four Wide x Two Row High Annunciator (EST4 4-8ANNMT) Note: Supports surface mounting.	317.02	16.67
28 46 13 31-0510	EA	Security Kit (EST4 4-ANNSK) Note: Provides a keyless door latch that allows access to LCD and switches, used for security applications where the display needs to be accessed without the need for a tool to unlock the door for arming, disarming, bypass applications within the protected space.	34.00	
28 46 13 31-0511	EA	Graphic Annunciator Central Processor Module (EST4 4-CPUGRPH)	1,400.70	33.34
28 46 13 31-0512	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	362.57	33.34
28 46 13 31-0513	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	488.61	33.34
28 46 13 31-0514	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,213.36	33.34
28 46 13 31-0515	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,469.70	33.34
28 46 13 31-0516	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,586.15	33.34
28 46 13 31-0517	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-NET-SMU) Note: Works with 4-NET-SMD	1,469.70	33.34
28 46 13 31-0518	EA	SFP Network Controller, 2 Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	362.57	33.34
28 46 13 31-0519	EA	SFP Network Controller, 0.3 Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	573.68	33.34
28 46 13 31-0520		**Miscellaneous** *(28 46 13 31-0394)*		
28 46 13 31-0521	EA	Service Replacement Bronze Annunciator Door (EST4 4-2ANND) Note: For 4-2ANN annunciators includes the inner and outer doors.	209.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0522	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-2ANNFA) Note: For 4-2ANN annunciators	63.68	
28 46 13 31-0523	EA	Service Replacement Bronze Annunciator Door (EST4 4-4ANND) Note: For 4-4ANN annunciators includes the inner and outer doors.	228.84	
28 46 13 31-0524	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4ANNFA) Note: For 4-4ANN annunciators.	98.94	
28 46 13 31-0525	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4X2ANNFA) Note: For 4-8ANN annunciators and 4-CAB5D door assemblies.	163.34	
28 46 13 31-0526	EA	Service Replacement Bronze Annunciator Door (EST4 4-6ANND) Note: For 4-6ANN annunciators, includes the inner and outer door	257.93	
28 46 13 31-0527	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-6ANNFA) Note: For 4-6ANN annunciators.	117.35	
28 46 13 31-0528	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-8ANNFA) Note: For 4-CAB16D and 4-CAB21D(L) door assemblies.	163.34	
28 46 13 31-0529	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	590.87	33.34
28 46 13 31-0530	EA	Service Replacement Cable, 4-LCD To 4-CPU Flex Interconnect Cable (EST4 4-CABL0502) Note: For CAB5, 7, 14, 21.	98.18	
28 46 13 31-0531	EA	Service Replacement Cable, 4-LCD To 4-ANNCPU Cable (EST4 4-CABL0504) Note: For use in 4-2ANN, 4ANN, 6ANN annunciator configuration.	86.68	
28 46 13 31-0532	EA	Chassis To Door Rail Cable (EST4 4-CABL0505) Note: For 4-CAB16D, 4-CAB24D or 4-CAB24DL use when no LCD display is required.	83.33	3.33
28 46 13 31-0533	EA	Chassis To Door Rail Cable (EST4 4-CABL0507) Note: For 4-CAB8D when no LCD is required.	83.33	3.33
28 46 13 31-0534	EA	Cable, 4-LCDAUDTEL To 4-ANNCPU (EST4 4-CABL0509) Note: For 4-MPLT for CAB7, CAB14, or CAB21	91.19	3.33
28 46 13 31-0535	EA	Service Replacement Cable, 4-3LCD To 4-CPU Cable (EST4 4-CABL0541) Note: For use in 3-CAB5B, 7B, 14B, 21B, RCC series.	82.94	
28 46 13 31-0536	EA	Cable, USB 3.0 A-B, Male, Short (EST4 4-CABLUSBSM)	37.33	3.33
28 46 13 31-0537	EA	Window Replacement (EST4 4-CABWIN16/24) Note: For 4-CAB16D and 4-CAB24D doors	144.10	
28 46 13 31-0538	EA	Main Color Touchscreen LCD Display (EST4 4-LCD)	680.03	33.34
28 46 13 31-0539	EA	Power Limited Label (EST4 4-PL0457) Note: For EST3 updates.	15.21	2.22

28 46 13 31-0540 Zone Audio Amplifiers *(28 46 13 31-0394)*

28 46 13 31-0541	EA	Zoned Amplifier, 20 Watt, Class A/B (EST4 3-ZA20A) Note: 20 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	812.27	8.89
28 46 13 31-0542	EA	Zoned Amplifier, 20 Watt, Class B (EST4 3-ZA20B) Note: 20 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	746.45	8.89
28 46 13 31-0543	EA	Zoned Amplifier, 40 Watt, Class A/B (EST4 3-ZA40A) Note: 40 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	1,009.54	8.89
28 46 13 31-0544	EA	Zoned Amplifier, 40 Watt, Class B (EST4 3-ZA40B) Note: 40 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	926.55	8.89
28 46 13 31-0545	EA	Zoned Amplifier, 95 Watt, Class B (EST4 3-ZA95) Note: 95 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 2 LRM spaces. Supports two user interface modules.	1,977.01	8.89

28 46 13 31-0546 Simplex Fire Alarm *(28 46 13 31)*

28 46 13 31-0547 4100 Fire Alarm Control Panel *(28 46 13 31-0546)*

28 46 13 31-0548	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	5,582.16	220.80
28 46 13 31-0549	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	6,255.28	220.80
28 46 13 31-0550	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	9,780.73	220.80
28 46 13 31-0551	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	2,936.95	220.80
28 46 13 31-0552	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	1,910.41	220.80
28 46 13 31-0553	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,124.90	55.20
28 46 13 31-0554	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	446.55	11.04
28 46 13 31-0555	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,365.10	11.04

28 46 13 31-0556 4100U Back Box *(28 46 13 31-0546)*

28 46 13 31-0557	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,266.33	44.16
28 46 13 31-0558	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,265.02	44.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0559		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 13 31-0546)*		
28 46 13 31-0560	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,249.39	22.08
28 46 13 31-0561		**4010 Fire Alarm Control Panel** *(28 46 13 31-0546)*		
28 46 13 31-0562	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	5,169.48	220.80
28 46 13 31-0563	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	4,964.97	220.80
28 46 13 31-0564	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	207.96	11.04
28 46 13 31-0565	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,053.45	11.04
28 46 13 31-0566	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,465.27	11.04
28 46 13 31-0567	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	730.93	11.04
28 46 13 31-0568	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	794.68	11.04
28 46 13 31-0569	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	269.90	11.04
28 46 13 31-0570		**Printer** *(28 46 13 31-0546)*		
28 46 13 31-0571	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,387.37	11.04
28 46 13 31-0572		**NAC Panel / Power Booster** *(28 46 13 31-0546)*		
28 46 13 31-0573	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,347.19	55.20
28 46 13 31-0574		**Battery** *(28 46 13 31-0546)*		
28 46 13 31-0575	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	938.51	11.04
28 46 13 31-0576	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	608.26	11.04
28 46 13 31-0577	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	189.96	11.04
28 46 13 31-0578		**Interface Modules** *(28 46 13 31-0546)*		
28 46 13 31-0579	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	144.58	11.04
28 46 13 31-0580	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	348.43	11.04
28 46 13 31-0581	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	48.54	11.04
28 46 13 31-0582	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	146.82	11.04
28 46 13 31-0583	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	62.83	5.52
28 46 13 31-0584	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	58.51	5.52
28 46 13 31-0585		**Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0586	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	188.31	11.04
28 46 13 31-0587	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	121.36	11.04
28 46 13 31-0588	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	134.30	11.04
28 46 13 31-0589	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	115.53	11.04
28 46 13 31-0590	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	142.94	11.04
28 46 13 31-0591	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	241.43	11.04
28 46 13 31-0592	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	194.73	11.04
28 46 13 31-0593	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	237.89	11.04
28 46 13 31-0594	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	85.39	11.04
28 46 13 31-0595	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	93.29	11.04
28 46 13 31-0596	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	118.73	11.04
28 46 13 31-0597	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	211.18	11.04
28 46 13 31-0598	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	400.26	11.04
28 46 13 31-0599	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	99.78	11.04
28 46 13 31-0600	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	67.16	5.52
28 46 13 31-0601		**Weatherproof Pull Stations** *(28 46 13 31-0546)*		
28 46 13 31-0602	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	173.28	13.25
28 46 13 31-0603	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	124.50	5.52
28 46 13 31-0604		**Heat / Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0605	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	160.27	16.56
28 46 13 31-0606	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	266.22	16.56
28 46 13 31-0607	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	634.67	5.52

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28 46 13 31-0608	EA	Standard Sensor Base (Simplex 4098-9792)	310.77	5.52
28 46 13 31-0609	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	145.37	11.04
28 46 13 31-0610		**Explosion Proof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0611	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	173.82	16.56
28 46 13 31-0612	EA	Explosion Proof Back Box (Killark JLX-21)	136.24	5.52
28 46 13 31-0613	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	9.86	1.10
28 46 13 31-0614		**Weatherproof Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0615	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	105.74	16.56
28 46 13 31-0616		**200 Degree F Heat Detector** *(28 46 13 31-0546)*		
28 46 13 31-0617	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	75.31	16.56
28 46 13 31-0618		**Duct Smoke Sensor** *(28 46 13 31-0546)*		
28 46 13 31-0619	EA	Duct Sensor Housing (Simplex 4098-9755)	494.26	8.83
28 46 13 31-0620	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	632.12	19.87
28 46 13 31-0621	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	56.06	5.52
28 46 13 31-0622	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	118.58	16.56
28 46 13 31-0623		**Interior Horn** *(28 46 13 31-0546)*		
28 46 13 31-0624	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	104.42	16.56
28 46 13 31-0625	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	104.42	16.56
28 46 13 31-0626		**Interior Horn Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0627	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	171.75	16.56
28 46 13 31-0628	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	171.75	16.56
28 46 13 31-0629	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	156.39	16.56
28 46 13 31-0630	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	156.39	16.56
28 46 13 31-0631	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	156.39	16.56
28 46 13 31-0632	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	156.39	16.56
28 46 13 31-0633	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	161.54	16.56
28 46 13 31-0634	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	161.54	16.56
28 46 13 31-0635	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	170.59	16.56
28 46 13 31-0636	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	166.42	16.56
28 46 13 31-0637	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	170.59	16.56
28 46 13 31-0638	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	166.42	16.56
28 46 13 31-0639	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	156.39	16.56
28 46 13 31-0640	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	156.39	16.56
28 46 13 31-0641	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	156.39	16.56
28 46 13 31-0642	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	156.39	16.56
28 46 13 31-0643		**Interior Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0644	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	123.76	16.56
28 46 13 31-0645	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	123.76	16.56
28 46 13 31-0646	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	123.69	16.56
28 46 13 31-0647	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	123.76	16.56
28 46 13 31-0648	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	143.27	16.56
28 46 13 31-0649	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	143.27	16.56
28 46 13 31-0650	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	144.52	16.56
28 46 13 31-0651	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	147.92	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0652	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	147.92	16.56
28 46 13 31-0653	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	147.92	16.56
28 46 13 31-0654	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	123.76	16.56
28 46 13 31-0655	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	123.76	16.56
28 46 13 31-0656	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	123.76	16.56
28 46 13 31-0657	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	123.76	16.56
28 46 13 31-0658		**Interior Speakers** *(28 46 13 31-0546)*		
28 46 13 31-0659	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	87.90	16.56
28 46 13 31-0660	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	87.90	16.56
28 46 13 31-0661	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	87.90	16.56
28 46 13 31-0662		**Interior Speaker Strobe** *(28 46 13 31-0546)*		
28 46 13 31-0663	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	186.96	16.56
28 46 13 31-0664	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	186.96	16.56
28 46 13 31-0665		**Surge Suppressors** *(28 46 13 31-0546)*		
28 46 13 31-0666	EA	Overvoltage Suppressor (Simplex 2081-9044)	151.92	3.31
28 46 13 31-0667	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	92.13	3.31
28 46 13 31-0668	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	341.41	3.31
28 46 13 31-0669	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	107.54	3.31
28 46 13 31-0670	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	159.83	5.52
28 46 13 31-0671	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	110.60	3.31
28 46 13 31-0672	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	79.78	3.31
28 46 13 31-0673		**Boxes And Adapters** *(28 46 13 31-0546)*		
28 46 13 31-0674	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	58.51	5.52
28 46 13 31-0675	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	54.20	5.52
28 46 13 31-0676	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	45.74	5.52
28 46 13 31-0677	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	33.73	5.52
28 46 13 31-0678		**Accessories** *(28 46 13 31-0546)*		
28 46 13 31-0679	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	16.06	5.52
28 46 13 31-0680		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0681		**Conventional Control Panels** *(28 46 13 31-0680)*		
28 46 13 31-0682		**SXL Batteries And Power Supplies** *(28 46 13 31-0681)*		
28 46 13 31-0683	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,308.91	22.08
28 46 13 31-0684	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,036.12	22.08
28 46 13 31-0685		**Digital Fire Communicators** *(28 46 13 31-0681)*		
28 46 13 31-0686	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,000.16	22.08
28 46 13 31-0687		**Addressable Control Panels** *(28 46 13 31-0680)*		
28 46 13 31-0688		**Fireseeker Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0689		**FS-250 System Panels** *(28 46 13 31-0688)*		
28 46 13 31-0690	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	2,445.37	220.80
28 46 13 31-0691	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	3,278.62	220.80
28 46 13 31-0692	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	1,766.83	176.64
28 46 13 31-0693	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	2,450.33	220.80
28 46 13 31-0694		**FS-250 Optional Modules** *(28 46 13 31-0688)*		
28 46 13 31-0695	EA	Main Board Module (Siemens FS-MB2)	1,318.83	22.08
28 46 13 31-0696	EA	Display Board Module (Siemens FS-DB2)	1,053.72	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0697	EA	Device Loop Card (Siemens FS-DLC)	855.33	11.04
28 46 13 31-0698	EA	Releasing Module (Siemens FS-REL)	354.39	11.04
28 46 13 31-0699	EA	Remote LCD Annunciator (Siemens FS-RD2)	849.13	11.04
28 46 13 31-0700	EA	Relay Processor Card (Siemens FS-RU2)	731.33	11.04
28 46 13 31-0701	EA	Relay Expander Board (Siemens FS-RE8)	617.26	11.04
28 46 13 31-0702	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	849.13	11.04
28 46 13 31-0703	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	651.97	11.04
28 46 13 31-0704	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	588.74	11.04
28 46 13 31-0705	EA	Municipal Tie Module (Siemens FS-MT)	493.26	11.04
28 46 13 31-0706	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	400.03	
28 46 13 31-0707	EA	Programming Cable Kit (Siemens CBL-UD)	106.52	5.52
28 46 13 31-0708	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	186.99	11.04
28 46 13 31-0709	EA	Releasing Power Transformer (Siemens FS-RPT-A)	190.71	11.04
28 46 13 31-0710	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	230.93	8.83
28 46 13 31-0711	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	412.78	5.52
28 46 13 31-0712		Firefinder Systems *(28 46 13 31-0687)*		
28 46 13 31-0713		XLS Basic Fire System Packages Without Back Box *(28 46 13 31-0712)*		
28 46 13 31-0714	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,000.56	220.80
28 46 13 31-0715	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	8,584.54	220.80
28 46 13 31-0716	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	8,584.54	220.80
28 46 13 31-0717	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	15,622.50	220.80
28 46 13 31-0718	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	16,210.23	220.80
28 46 13 31-0719	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	8,441.95	220.80
28 46 13 31-0720	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	8,441.95	220.80
28 46 13 31-0721	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	10,098.52	220.80
28 46 13 31-0722		Firefinder - XLS Basic System Equipment *(28 46 13 31-0712)*		
28 46 13 31-0723	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	4,574.36	220.80
28 46 13 31-0724	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,233.46	220.80
28 46 13 31-0725	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	4,574.36	220.80
28 46 13 31-0726	EA	Two Slot Card Cage (Siemens CC-2)	637.10	11.04
28 46 13 31-0727	EA	Five Slot Card Cage (Siemens CC-5)	1,109.52	11.04
28 46 13 31-0728	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,605.50	11.04
28 46 13 31-0729	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,678.65	11.04
28 46 13 31-0730	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	498.22	11.04
28 46 13 31-0731	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,911.76	11.04
28 46 13 31-0732	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,062.40	11.04
28 46 13 31-0733	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,154.83	11.04
28 46 13 31-0734	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,228.46	220.80
28 46 13 31-0735	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,250.87	11.04
28 46 13 31-0736	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,448.06	11.04
28 46 13 31-0737	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	542.86	11.04
28 46 13 31-0738	EA	Conventional Detector Card (Siemens CDC-4)	1,203.75	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0739	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,402.78	11.04
28 46 13 31-0740	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,761.25	11.04
28 46 13 31-0741		**Remote Lobby Enclosure** *(28 46 13 31-0712)*		
28 46 13 31-0742	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,436.15	44.16
28 46 13 31-0743	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,907.33	44.16
28 46 13 31-0744	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	211.79	11.04
28 46 13 31-0745	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	235.35	11.04
28 46 13 31-0746		**Battery Enclosures** *(28 46 13 31-0712)*		
28 46 13 31-0747	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	821.13	44.16
28 46 13 31-0748		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0712)*		
28 46 13 31-0749	EA	Output Control Module (Siemens OCM-16)	754.89	11.04
28 46 13 31-0750	EA	Supervised Input Module (Siemens SIM-16)	754.89	11.04
28 46 13 31-0751		**Remote LCD Displays** *(28 46 13 31-0712)*		
28 46 13 31-0752	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,719.09	33.12
28 46 13 31-0753	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,955.92	33.12
28 46 13 31-0754		**Voice Equipment** *(28 46 13 31-0712)*		
28 46 13 31-0755	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,797.69	11.04
28 46 13 31-0756	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	4,038.28	11.04
28 46 13 31-0757	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,674.93	11.04
28 46 13 31-0758		**MXL Series Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0759		**MXL Optional Equipment** *(28 46 13 31-0758)*		
28 46 13 31-0760	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,894.17	22.08
28 46 13 31-0761	EA	CXL/MXL Interface Module (Siemens CMI-300)	5,081.08	11.04
28 46 13 31-0762	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	835.49	11.04
28 46 13 31-0763	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,017.76	11.04
28 46 13 31-0764	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	355.63	11.04
28 46 13 31-0765	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	203.11	11.04
28 46 13 31-0766	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	989.24	11.04
28 46 13 31-0767	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	305.91	16.56
28 46 13 31-0768	EA	Lexan Window For RCC (Siemens GENBOX-WD)	217.29	8.83
28 46 13 31-0769	EA	Input Driver Module (Siemens MID-16)	633.38	11.04
28 46 13 31-0770	EA	Programmable Output Driver Module (Siemens MOD-16)	633.38	11.04
28 46 13 31-0771	EA	MXL Output/Input Module (Siemens MOI-7)	1,040.08	11.04
28 46 13 31-0772	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	532.94	11.04
28 46 13 31-0773	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	864.01	11.04
28 46 13 31-0774	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,101.00	33.12
28 46 13 31-0775	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,101.00	33.12
28 46 13 31-0776	EA	Network Interface Module (Siemens NIM-1W)	1,573.26	11.04
28 46 13 31-0777	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,056.16	44.16
28 46 13 31-0778	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	430.02	11.04
28 46 13 31-0779	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	3,746.08	220.80
28 46 13 31-0780	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	481.86	22.08
28 46 13 31-0781	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	3,746.08	220.80
28 46 13 31-0782	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	496.74	22.08
28 46 13 31-0783	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	2,673.52	220.80
28 46 13 31-0784	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	4,445.41	220.80
28 46 13 31-0785	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	66.84	5.52
28 46 13 31-0786	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,491.90	22.08
28 46 13 31-0787	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,927.88	22.08
28 46 13 31-0788	EA	Releasing End Of Line Module (Siemens REL-EOL)	157.23	11.04
28 46 13 31-0789	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,107.48	22.08
28 46 13 31-0790	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,917.76	22.08
28 46 13 31-0791	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,949.48	44.16
28 46 13 31-0792		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0758)*		
28 46 13 31-0793	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	13,590.22	220.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0794	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	18,237.55	220.80
28 46 13 31-0795	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	39,941.63	220.80
28 46 13 31-0796		**MXL Basic System** *(28 46 13 31-0758)*		
28 46 13 31-0797	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	7,742.61	220.80
28 46 13 31-0798	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	10,518.86	220.80
28 46 13 31-0799	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,450.30	22.08
28 46 13 31-0800	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,345.55	22.08
28 46 13 31-0801	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,405.39	33.12
28 46 13 31-0802	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	91.64	5.52
28 46 13 31-0803		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0758)*		
28 46 13 31-0804	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,756.29	33.12
28 46 13 31-0805	EA	Style 4 Communication Module (Siemens NET-4)	343.23	11.04
28 46 13 31-0806	EA	Style 7 Communication Module (Siemens NET-7)	661.89	11.04
28 46 13 31-0807	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	379.19	11.04
28 46 13 31-0808		**Peripheral Devices** *(28 46 13 31-0687)*		
28 46 13 31-0809		**Thermal Detectors** *(28 46 13 31-0808)*		
28 46 13 31-0810	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	93.88	16.56
28 46 13 31-0811	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	93.88	16.56
28 46 13 31-0812	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	93.88	16.56
28 46 13 31-0813	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	93.88	16.56
28 46 13 31-0814	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	186.87	16.56
28 46 13 31-0815	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	186.87	16.56
28 46 13 31-0816	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	562.58	16.56
28 46 13 31-0817		**Beam Smoke Detector** *(28 46 13 31-0808)*		
28 46 13 31-0818	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,868.38	16.56
28 46 13 31-0819	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	318.55	5.52
28 46 13 31-0820	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	322.27	5.52
28 46 13 31-0821	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	153.63	5.52
28 46 13 31-0822		**Bases For Detectors** *(28 46 13 31-0808)*		
28 46 13 31-0823	EA	Detector Base (Siemens DB-11)	29.64	5.52
28 46 13 31-0824	EA	Universal Base (Siemens DB-3S)	25.92	5.52
28 46 13 31-0825		**Manual Stations** *(28 46 13 31-0808)*		
28 46 13 31-0826	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	322.85	13.25
28 46 13 31-0827		**Addressable Devices** *(28 46 13 31-0687)*		
28 46 13 31-0828		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0827)*		
28 46 13 31-0829	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	246.39	16.56
28 46 13 31-0830	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	202.99	16.56
28 46 13 31-0831	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	152.16	16.56
28 46 13 31-0832	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	79.00	16.56
28 46 13 31-0833	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	79.00	16.56
28 46 13 31-0834	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	283.71	11.04
28 46 13 31-0835	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	268.83	11.04
28 46 13 31-0836	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	203.11	11.04
28 46 13 31-0837	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	258.91	11.04
28 46 13 31-0838	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	258.91	11.04
28 46 13 31-0839	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	184.51	11.04
28 46 13 31-0840	EA	Line Isolator Module (Siemens HLIM)	191.95	11.04
28 46 13 31-0841	EA	Remote Convention Zone Module (Siemens HZM)	306.03	11.04
28 46 13 31-0842	EA	Intelligent Control Point Module (Siemens HCP)	400.26	11.04
28 46 13 31-0843	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,945.36	
28 46 13 31-0844	EA	DPU Carrying Case (Siemens DPU-C1)	289.33	
28 46 13 31-0845	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,325.31	11.04
28 46 13 31-0846		**Air Duct Housings And Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0847	EA	Air-Duct Housing (Siemens AD2-P)	323.93	8.83
28 46 13 31-0848	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	371.05	8.83
28 46 13 31-0849	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	281.23	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0850	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	31.42	3.31
28 46 13 31-0851	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	37.35	4.42
28 46 13 31-0852	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	47.00	5.52
28 46 13 31-0853	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	54.17	6.62
28 46 13 31-0854		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0827)*		
28 46 13 31-0855	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	260.03	16.56
28 46 13 31-0856	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	214.15	16.56
28 46 13 31-0857	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	294.75	16.56
28 46 13 31-0858	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	275.03	11.04
28 46 13 31-0859	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	308.51	11.04
28 46 13 31-0860	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	278.75	11.04
28 46 13 31-0861	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	313.47	11.04
28 46 13 31-0862	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	313.47	11.04
28 46 13 31-0863		**Detector Universal Bases** *(28 46 13 31-0827)*		
28 46 13 31-0864	EA	Detector Base With Relay (Siemens DB-X11RS)	128.84	5.52
28 46 13 31-0865	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	54.44	5.52
28 46 13 31-0866	EA	Locking Kit (Siemens LK-11)	5.41	
28 46 13 31-0867	EA	Detector Base With Relay (Siemens DB-X3RS)	128.84	5.52
28 46 13 31-0868	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	153.63	5.52
28 46 13 31-0869	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	50.72	5.52
28 46 13 31-0870	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	21.50	3.31
28 46 13 31-0871	EA	Seal For DB-11 (Siemens DB11-SEAL)	8.40	
28 46 13 31-0872	EA	Gasket For DB-11 (Siemens DB-SEAL)	10.03	
28 46 13 31-0873	EA	Detector Guard Housing (Siemens DGH-11)	199.51	5.52
28 46 13 31-0874	EA	Small Detector Base (Siemens DB-11E)	34.60	5.52
28 46 13 31-0875	EA	Audible Base For Series 3 (Siemens ADBI-60A)	175.95	5.52
28 46 13 31-0876	EA	Base Plug (Siemens DB-11-DP)	5.36	
28 46 13 31-0877		**Air Duct Smoke Detectors** *(28 46 13 31-0827)*		
28 46 13 31-0878	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	122.52	11.04
28 46 13 31-0879	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	824.33	11.04
28 46 13 31-0880		**Notification Devices** *(28 46 13 31-0687)*		
28 46 13 31-0881		**Synchronization Control Devices** *(28 46 13 31-0880)*		
28 46 13 31-0882	EA	Dual Synchronization Control Module (Siemens DSC)	203.11	11.04
28 46 13 31-0883		**Stand-Alone Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0884	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	138.52	16.56
28 46 13 31-0885	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	157.12	16.56
28 46 13 31-0886	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	138.52	16.56
28 46 13 31-0887	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	157.12	16.56
28 46 13 31-0888	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	157.12	16.56
28 46 13 31-0889	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	138.52	16.56
28 46 13 31-0890	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	170.75	16.56
28 46 13 31-0891	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	160.83	16.56
28 46 13 31-0892	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	160.83	16.56
28 46 13 31-0893	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	176.95	16.56
28 46 13 31-0894	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	176.95	16.56
28 46 13 31-0895		**Horns And Strobes** *(28 46 13 31-0880)*		
28 46 13 31-0896	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	211.67	16.56
28 46 13 31-0897	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	227.79	16.56
28 46 13 31-0898	EA	Wall Mounted Horn (Siemens SE-R)	93.88	16.56
28 46 13 31-0899	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	211.67	16.56
28 46 13 31-0900	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	227.79	16.56
28 46 13 31-0901	EA	Ceiling Mounted Horn (Siemens SEC-R)	101.32	16.56
28 46 13 31-0902	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	211.67	16.56
28 46 13 31-0903	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	227.79	16.56
28 46 13 31-0904	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	93.88	16.56
28 46 13 31-0905	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	211.67	16.56
28 46 13 31-0906	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	227.79	16.56
28 46 13 31-0907	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	101.32	16.56
28 46 13 31-0908	EA	Mini Horn (Siemens MH-R)	66.60	16.56
28 46 13 31-0909	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	103.80	16.56
28 46 13 31-0910	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	195.55	16.56
28 46 13 31-0911	EA	Industrial Tri-Tone Horn (Siemens ASR)	684.09	16.56
28 46 13 31-0912	EA	Wall Mounted Horn (Siemens HS-R)	103.80	16.56
28 46 13 31-0913	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	196.79	16.56
28 46 13 31-0914	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	216.63	16.56
28 46 13 31-0915	EA	6" Motor Bell (Siemens MBDC-6)	128.60	16.56
28 46 13 31-0916	EA	10" Motor Bell (Siemens MBDC-10)	147.20	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0917		**Mounting Accessories** *(28 46 13 31-0880)*		
28 46 13 31-0918	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	25.92	5.52
28 46 13 31-0919	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	25.92	5.52
28 46 13 31-0920	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	27.16	5.52
28 46 13 31-0921	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	56.92	5.52
28 46 13 31-0922	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	40.80	5.52
28 46 13 31-0923	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	44.52	5.52
28 46 13 31-0924	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	49.48	5.52
28 46 13 31-0925	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	34.60	5.52
28 46 13 31-0926	EA	Semi-Flush Plate (Siemens SFPS-R)	24.68	5.52
28 46 13 31-0927	EA	Square Surface Back Box (Siemens SHBBS-R)	34.60	5.52
28 46 13 31-0928	EA	Horn Adapter Plate (Siemens SHMPS-R)	32.12	5.52
28 46 13 31-0929	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	25.92	5.52
28 46 13 31-0930	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	40.80	5.52
28 46 13 31-0931	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	44.52	5.52
28 46 13 31-0932	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	42.04	5.52
28 46 13 31-0933	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	49.48	5.52
28 46 13 31-0934	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	49.48	5.52
28 46 13 31-0935	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	49.48	5.52
28 46 13 31-0936	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	44.52	5.52
28 46 13 31-0937	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	44.52	5.52
28 46 13 31-0938	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	25.92	5.52
28 46 13 31-0939	EA	Z Series Back Box (Siemens ZBB-R)	32.12	5.52
28 46 13 31-0940		**Door Holders** *(28 46 13 31-0880)*		
28 46 13 31-0941	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	353.03	16.56
28 46 13 31-0942	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	353.03	16.56
28 46 13 31-0943		**Voice Equipment** *(28 46 13 31-0687)*		
28 46 13 31-0944		**Voicecom** *(28 46 13 31-0943)*		
28 46 13 31-0945	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	5,544.00	220.80
28 46 13 31-0946	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	9,325.85	220.80
28 46 13 31-0947		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0948	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	177.65	16.56
28 46 13 31-0949	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	174.96	16.56
28 46 13 31-0950	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	236.52	16.56
28 46 13 31-0951	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	235.67	16.56
28 46 13 31-0952	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	750.87	22.08
28 46 13 31-0953	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	163.92	16.56
28 46 13 31-0954	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	138.45	16.56
28 46 13 31-0955	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	133.05	16.56
28 46 13 31-0956	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	548.23	16.56
28 46 13 31-0957	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,874.56	33.12
28 46 13 31-0958	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,780.65	33.12
28 46 13 31-0959	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,831.31	33.12
28 46 13 31-0960	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,704.81	33.12
28 46 13 31-0961	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,243.39	33.12
28 46 13 31-0962	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,243.39	33.12
28 46 13 31-0963	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,341.38	11.04
28 46 13 31-0964	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,397.14	11.04
28 46 13 31-0965	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,013.45	11.04
28 46 13 31-0966	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,013.45	11.04
28 46 13 31-0967	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	700.70	11.04
28 46 13 31-0968	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,318.79	22.08
28 46 13 31-0969	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,013.45	11.04
28 46 13 31-0970	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,055.36	11.04
28 46 13 31-0971	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	903.48	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0972	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	903.48	11.04
28 46 13 31-0973	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	116.54	9.94
28 46 13 31-0974	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,359.68	22.08
28 46 13 31-0975	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,077.00	22.08
28 46 13 31-0976	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,359.68	22.08
28 46 13 31-0977	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,077.00	22.08
28 46 13 31-0978	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	33.78	5.52
28 46 13 31-0979	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	131.62	5.52
28 46 13 31-0980	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	122.77	5.52
28 46 13 31-0981	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	37.56	5.52
28 46 13 31-0982	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	31.28	5.52
28 46 13 31-0983	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	965.48	22.08
28 46 13 31-0984	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,340.87	33.12
28 46 13 31-0985	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,483.05	33.12
28 46 13 31-0986	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	266.94	5.52
28 46 13 31-0987	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	172.17	5.52
28 46 13 31-0988	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,342.97	33.12
28 46 13 31-0989	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,151.31	33.12
28 46 13 31-0990	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,151.31	33.12
28 46 13 31-0991	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,549.98	33.12
28 46 13 31-0992	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,340.87	33.12
28 46 13 31-0993	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,340.87	33.12
28 46 13 31-0994	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,340.87	33.12
28 46 13 31-0995	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,828.29	33.12
28 46 13 31-0996	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,828.29	33.12
28 46 13 31-0997	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,828.29	33.12
28 46 13 31-0998	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	261.04	11.04
28 46 13 31-0999	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	426.79	11.04
28 46 13 31-1000	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	23.93	4.42
28 46 13 31-1001	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	27.84	4.42
28 46 13 31-1002	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	86.16	6.62
28 46 13 31-1003	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	36.57	4.42
28 46 13 31-1004	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	44.87	5.52
28 46 13 31-1005	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	429.60	11.04
28 46 13 31-1006	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	698.14	22.08
28 46 13 31-1007	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	515.79	33.12
28 46 13 31-1008	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	771.05	33.12
28 46 13 31-1009	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	856.35	33.12
28 46 13 31-1010	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	509.81	4.42
28 46 13 31-1011	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	778.39	4.42
28 46 13 31-1012	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	857.38	4.42
28 46 13 31-1013	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	867.56	44.16
28 46 13 31-1014	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,198.46	44.16
28 46 13 31-1015	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,175.14	33.12
28 46 13 31-1016	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	219.56	5.52
28 46 13 31-1017	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	641.92	11.04
28 46 13 31-1018	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	292.64	16.56
28 46 13 31-1019	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	225.41	16.56
28 46 13 31-1020	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	240.71	16.56
28 46 13 31-1021	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,435.70	22.08
28 46 13 31-1022	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	2,996.70	22.08
28 46 13 31-1023	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	886.31	11.04
28 46 13 31-1024	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	5,589.31	176.64
28 46 13 31-1025	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,023.93	22.08
28 46 13 31-1026	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	38,970.44	264.96
28 46 13 31-1027	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	42,761.49	264.96
28 46 13 31-1028	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	48,448.08	264.96
28 46 13 31-1029	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	42,761.49	264.96
28 46 13 31-1030	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	274.84	6.62
28 46 13 31-1031	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	312.75	6.62
28 46 13 31-1032	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	343.08	6.62
28 46 13 31-1033	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	665.32	6.62
28 46 13 31-1034	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	205.95	4.42
28 46 13 31-1035	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	308.62	9.94
28 46 13 31-1036	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	330.36	9.94
28 46 13 31-1037	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	641.59	9.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1038	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	662.81	4.42
28 46 13 31-1039	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	899.75	4.42
28 46 13 31-1040	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,117.73	4.42
28 46 13 31-1041	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	273.56	11.04
28 46 13 31-1042	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	130.74	4.42
28 46 13 31-1043	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	5,574.96	176.64
28 46 13 31-1044	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,004.09	132.49
28 46 13 31-1045	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	7,456.85	176.64
28 46 13 31-1046	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,316.47	132.49
28 46 13 31-1047	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,118.06	132.49
28 46 13 31-1048	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,034.33	16.56
28 46 13 31-1049	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,065.96	16.56
28 46 13 31-1050	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,065.96	16.56
28 46 13 31-1051	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,618.20	22.08
28 46 13 31-1052	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,052.36	22.08
28 46 13 31-1053	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,160.50	132.49
28 46 13 31-1054	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,141.79	22.08
28 46 13 31-1055	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,745.55	22.08
28 46 13 31-1056	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,865.44	22.08
28 46 13 31-1057	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	892.44	5.52
28 46 13 31-1058	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	276.08	4.42
28 46 13 31-1059	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	344.32	4.42
28 46 13 31-1060	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	714.30	5.52
28 46 13 31-1061	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,330.34	5.52
28 46 13 31-1062	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,429.30	5.52
28 46 13 31-1063	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	169.10	5.52
28 46 13 31-1064	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	283.21	5.52
28 46 13 31-1065	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	127.76	5.52
28 46 13 31-1066	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	188.63	5.52
28 46 13 31-1067	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	143.75	5.52
28 46 13 31-1068	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	249.03	5.52
28 46 13 31-1069	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	287.25	5.52
28 46 13 31-1070	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	151.88	5.52
28 46 13 31-1071	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,520.05	16.56
28 46 13 31-1072	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,256.89	11.04
28 46 13 31-1073	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,082.51	11.04
28 46 13 31-1074	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	70.76	2.21
28 46 13 31-1075	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-F)	1,816.02	11.04
28 46 13 31-1076	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-W)	1,727.06	11.04
28 46 13 31-1077	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,434.86	22.08
28 46 13 31-1078	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,211.36	11.04
28 46 13 31-1079	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	325.36	4.42
28 46 13 31-1080	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	748.08	11.04
28 46 13 31-1081	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	748.08	11.04
28 46 13 31-1082	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	194.61	4.42
28 46 13 31-1083	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	47.28	2.21
28 46 13 31-1084	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	47.28	2.21
28 46 13 31-1085	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	146.87	16.56
28 46 13 31-1086	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	173.39	16.56
28 46 13 31-1087	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	208.13	18.77
28 46 13 31-1088	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	204.32	18.77
28 46 13 31-1089	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,716.59	44.16
28 46 13 31-1090	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,299.55	44.16
28 46 13 31-1091	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	146.87	16.56
28 46 13 31-1092	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	173.39	16.56
28 46 13 31-1093	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	146.87	16.56
28 46 13 31-1094	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	20.87	4.42
28 46 13 31-1095	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	34.84	2.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1096	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	40.93	2.21
28 46 13 31-1097	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	34.89	2.21
28 46 13 31-1098	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	128.58	16.56
28 46 13 31-1099	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	173.39	16.56
28 46 13 31-1100	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	208.13	18.77
28 46 13 31-1101	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	173.39	16.56
28 46 13 31-1102	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	204.32	18.77
28 46 13 31-1103	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	146.87	16.56
28 46 13 31-1104	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	146.87	16.56
28 46 13 31-1105	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	173.39	16.56
28 46 13 31-1106	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	173.39	16.56
28 46 13 31-1107	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	146.87	16.56
28 46 13 31-1108	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	274.50	5.52
28 46 13 31-1109	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,220.78	22.08
28 46 13 31-1110	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	227.84	22.08
28 46 13 31-1111	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	90.87	11.04
28 46 13 31-1112	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	90.87	11.04
28 46 13 31-1113	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	205.76	11.04
28 46 13 31-1114	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	227.74	11.04
28 46 13 31-1115	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	227.74	11.04
28 46 13 31-1116	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	197.03	11.04
28 46 13 31-1117	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	285.02	11.04
28 46 13 31-1118	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	205.76	11.04
28 46 13 31-1119	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	90.87	11.04
28 46 13 31-1120	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	90.87	11.04
28 46 13 31-1121	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	227.74	11.04
28 46 13 31-1122	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	205.76	11.04
28 46 13 31-1123	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	205.76	11.04

28 46 13 31-1124 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-1125 Notifier Fire Alarm *(28 46 13 31-1124)*

28 46 13 31-1126 Fire Alarm Control Panel And Accessories *(28 46 13 31-1125)*

28 46 13 31-1127	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	4,539.20	220.80
28 46 13 31-1128	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,479.39	220.80
28 46 13 31-1129	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,026.98	220.80
28 46 13 31-1130	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	4,526.73	220.80
28 46 13 31-1131	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	4,407.19	220.80
28 46 13 31-1132	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	4,255.02	220.80
28 46 13 31-1133	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	4,109.71	220.80
28 46 13 31-1134	EA	Two-Tone Sequential Module (Notifier 2TTM)	341.30	11.04
28 46 13 31-1135	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	87.94	2.21
28 46 13 31-1136	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	167.87	4.42
28 46 13 31-1137	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	255.24	6.62
28 46 13 31-1138	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-1139	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-1140	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	3,995.30	220.80
28 46 13 31-1141	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	4,051.36	220.80
28 46 13 31-1142	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	229.82	2.21
28 46 13 31-1143	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	65.06	2.21
28 46 13 31-1144	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	87.49	4.42
28 46 13 31-1145	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	81.98	5.52
28 46 13 31-1146	EA	IP Communicator (Notifier IPDACT-2)	731.45	11.04
28 46 13 31-1147	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	855.02	11.04
28 46 13 31-1148	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	168.53	11.04
28 46 13 31-1149	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	167.96	11.04
28 46 13 31-1150	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	37.09	4.42
28 46 13 31-1151	EA	Loop Control Module (Notifier LCM-320)	2,134.68	22.08
28 46 13 31-1152	EA	Loop Expander Module (Notifier LEM-320)	1,689.45	22.08
28 46 13 31-1153	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,601.32	22.08
28 46 13 31-1154	EA	7' DACT Phone Cord (Notifier MCBL-7)	17.81	
28 46 13 31-1155	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	201.54	5.52
28 46 13 31-1156	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	212.58	11.04
28 46 13 31-1157	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	212.58	11.04
28 46 13 31-1158	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	1,086.03	11.04
28 46 13 31-1159	EA	Universal Zone Coder (Notifier UZC-256)	1,536.86	11.04
28 46 13 31-1160	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	486.81	
28 46 13 31-1161	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	595.59	
28 46 13 31-1162	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	341.96	
28 46 13 31-1163	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	7,061.19	6.62
28 46 13 31-1164	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	36.33	5.52
28 46 13 31-1165	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,144.24	220.80
28 46 13 31-1166	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,096.88	220.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1167		**ONYX Cabinets** *(28 46 13 31-1125)*		
28 46 13 31-1168	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	522.49	5.52
28 46 13 31-1169	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	706.45	5.52
28 46 13 31-1170	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	876.47	5.52
28 46 13 31-1171	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	108.21	6.62
28 46 13 31-1172	EA	Chassis Bridge (Notifier CB-1)	100.00	5.52
28 46 13 31-1173	EA	Four Position Chassis (Notifier CHS-4)	180.95	5.52
28 46 13 31-1174	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	185.55	11.04
28 46 13 31-1175	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	92.77	6.62
28 46 13 31-1176	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	123.95	6.62
28 46 13 31-1177	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	376.73	11.04
28 46 13 31-1178	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	225.73	11.04
28 46 13 31-1179	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	468.13	16.56
28 46 13 31-1180	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	267.25	16.56
28 46 13 31-1181	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	707.75	22.08
28 46 13 31-1182	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	401.59	22.08
28 46 13 31-1183	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	855.94	27.60
28 46 13 31-1184	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	459.73	27.60
28 46 13 31-1185	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	297.08	5.52
28 46 13 31-1186	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	198.68	5.52
28 46 13 31-1187	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	198.68	5.52
28 46 13 31-1188	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	302.80	5.52
28 46 13 31-1189	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	226.14	5.52
28 46 13 31-1190	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	388.61	5.52
28 46 13 31-1191	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	259.89	5.52
28 46 13 31-1192	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	466.41	5.52
28 46 13 31-1193	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	381.74	5.52
28 46 13 31-1194	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	700.96	5.52
28 46 13 31-1195	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	429.80	5.52
28 46 13 31-1196	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	842.84	5.52
28 46 13 31-1197	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	377.91	11.04
28 46 13 31-1198	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	574.70	11.04
28 46 13 31-1199	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	679.97	11.04
28 46 13 31-1200	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	397.36	11.04
28 46 13 31-1201	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	618.18	11.04
28 46 13 31-1202	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	728.02	11.04
28 46 13 31-1203	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	381.34	11.04
28 46 13 31-1204	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	574.70	11.04
28 46 13 31-1205	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	689.12	11.04
28 46 13 31-1206	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	417.96	11.04
28 46 13 31-1207	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	618.18	11.04
28 46 13 31-1208	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	728.02	11.04
28 46 13 31-1209	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	4,203.11	55.20
28 46 13 31-1210	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	352.74	11.04
28 46 13 31-1211	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	335.40	33.12
28 46 13 31-1212	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	485.72	44.16
28 46 13 31-1213	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	699.47	44.16
28 46 13 31-1214	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	845.04	55.20
28 46 13 31-1215	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	208.58	11.04
28 46 13 31-1216	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	208.58	11.04
28 46 13 31-1217	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	261.21	11.04
28 46 13 31-1218	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	376.77	11.04
28 46 13 31-1219	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	567.84	11.04
28 46 13 31-1220	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	677.68	11.04
28 46 13 31-1221	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	214.05	6.62
28 46 13 31-1222	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	214.05	6.62
28 46 13 31-1223	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	295.86	6.62
28 46 13 31-1224	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	229.49	6.62
28 46 13 31-1225	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	231.21	6.62
28 46 13 31-1226	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	228.35	6.62
28 46 13 31-1227	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	234.64	6.62
28 46 13 31-1228	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	69.77	6.62
28 46 13 31-1229	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	56.14	2.21
28 46 13 31-1230		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1231	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	128.83	6.62
28 46 13 31-1232	EA	Blank Module Dress Plate (Notifier BM-1B)	101.91	6.62
28 46 13 31-1233	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	119.33	6.62
28 46 13 31-1234	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	291.36	5.52
28 46 13 31-1235	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	261.11	16.56
28 46 13 31-1236	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	135.16	6.62
28 46 13 31-1237		**NFS-3030/640 Cabinet Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1238	EA	Annunciator Dress Plate (Notifier ADP-4B)	120.91	6.62
28 46 13 31-1239	EA	Blank Module Dress Plate (Notifier BMP-1)	65.50	6.62
28 46 13 31-1240	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	163.78	11.04
28 46 13 31-1241	EA	Module Dress Plate (Notifier MP-1B)	122.50	6.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1242		**Battery Cabinets** *(28 46 13 31-1125)*		
28 46 13 31-1243	EA	Six Position Chassis (Notifier CHS-6)	89.05	11.04
28 46 13 31-1244	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	531.72	33.12
28 46 13 31-1245		**Digital Voice** *(28 46 13 31-1125)*		
28 46 13 31-1246	EA	Chassis Used With BB-XP (Notifier 18439)	40.22	5.52
28 46 13 31-1247	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	3,172.39	16.56
28 46 13 31-1248	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	3,080.72	16.56
28 46 13 31-1249	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,504.32	16.56
28 46 13 31-1250	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	614.18	16.56
28 46 13 31-1251	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	834.22	22.08
28 46 13 31-1252	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,038.42	27.60
28 46 13 31-1253	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	1,324.97	11.04
28 46 13 31-1254	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	1,324.97	11.04
28 46 13 31-1255	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,908.88	11.04
28 46 13 31-1256	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	104.57	5.52
28 46 13 31-1257	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	189.53	5.52
28 46 13 31-1258	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	190.67	5.52
28 46 13 31-1259	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	183.81	5.52
28 46 13 31-1260	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	186.10	5.52
28 46 13 31-1261	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	398.91	5.52
28 46 13 31-1262	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	300.51	5.52
28 46 13 31-1263	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	123.41	
28 46 13 31-1264	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	765.95	11.04
28 46 13 31-1265	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	773.46	11.04
28 46 13 31-1266	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	102.86	5.52
28 46 13 31-1267	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	136.08	11.04
28 46 13 31-1268	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	498.60	16.56
28 46 13 31-1269	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	206.86	11.04
28 46 13 31-1270	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	206.86	11.04
28 46 13 31-1271	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	297.08	5.52
28 46 13 31-1272	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	293.65	5.52
28 46 13 31-1273	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,298.84	11.04
28 46 13 31-1274	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,986.16	11.04
28 46 13 31-1275	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,986.16	11.04
28 46 13 31-1276	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,374.83	11.04
28 46 13 31-1277	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,105.20	11.04
28 46 13 31-1278	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,468.25	11.04
28 46 13 31-1279	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,611.10	11.04
28 46 13 31-1280	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,611.10	11.04
28 46 13 31-1281	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	2,593.30	11.04
28 46 13 31-1282	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	2,668.44	11.04
28 46 13 31-1283	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,785.66	11.04
28 46 13 31-1284	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,741.24	11.04
28 46 13 31-1285	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,789.33	11.04
28 46 13 31-1286	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,832.91	11.04
28 46 13 31-1287	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,896.02	11.04
28 46 13 31-1288	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,909.55	11.04
28 46 13 31-1289	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,968.15	11.04
28 46 13 31-1290	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	2,026.76	11.04
28 46 13 31-1291	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	2,131.96	11.04
28 46 13 31-1292	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	122.31	5.52
28 46 13 31-1293	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	113.00	6.62
28 46 13 31-1294	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	135.16	6.62
28 46 13 31-1295	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	253.91	6.62
28 46 13 31-1296	EA	WPS Power Amplifier (Notifier DPA3204P)	920.73	11.04
28 46 13 31-1297	EA	WPS Power Amplifier (Notifier DPA4001P)	765.95	11.04
28 46 13 31-1298	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,811.87	11.04
28 46 13 31-1299	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,338.50	11.04
28 46 13 31-1300	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,355.03	11.04
28 46 13 31-1301	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	2,301.77	11.04
28 46 13 31-1302	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	856.11	11.04
28 46 13 31-1303	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	328.71	11.04
28 46 13 31-1304	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	328.71	11.04
28 46 13 31-1305	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	328.71	11.04
28 46 13 31-1306	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	117.33	11.04
28 46 13 31-1307	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	362.49	11.04
28 46 13 31-1308	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,317.84	11.04
28 46 13 31-1309	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	590.39	22.08
28 46 13 31-1310	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	284.74	
28 46 13 31-1311	EA	Portable Fireman's Telephone Handset (Notifier FHS)	167.46	
28 46 13 31-1312	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	195.49	
28 46 13 31-1313	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	468.30	11.04
28 46 13 31-1314	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	468.30	11.04
28 46 13 31-1315	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	70.92	3.31
28 46 13 31-1316	EA	Paging Microphone Only (Notifier MIC-1)	229.49	11.04
28 46 13 31-1317	EA	Firefighter's Telephone Handset (Notifier TELH-1)	192.63	
28 46 13 31-1318	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	637.98	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1319	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	637.98	11.04
28 46 13 31-1320		**Amplifiers** *(28 46 13 31-1125)*		
28 46 13 31-1321	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,271.29	11.04
28 46 13 31-1322	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	2,830.82	11.04
28 46 13 31-1323	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	2,748.49	11.04
28 46 13 31-1324	EA	Audio Coupling Transformer (Notifier ACT-1)	153.49	11.04
28 46 13 31-1325	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	188.32	11.04
28 46 13 31-1326	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	188.32	11.04
28 46 13 31-1327	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	188.32	11.04
28 46 13 31-1328	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	2,480.60	11.04
28 46 13 31-1329	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	2,567.76	11.04
28 46 13 31-1330	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	2,669.94	11.04
28 46 13 31-1331	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	4,921.08	11.04
28 46 13 31-1332	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	931.25	11.04
28 46 13 31-1333	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	935.76	11.04
28 46 13 31-1334		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-1125)*		
28 46 13 31-1335	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	4,557.25	220.80
28 46 13 31-1336	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,941.35	220.80
28 46 13 31-1337	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,101.94	220.80
28 46 13 31-1338	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	5,619.64	220.80
28 46 13 31-1339	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	6,316.00	220.80
28 46 13 31-1340		**System Printer** *(28 46 13 31-1125)*		
28 46 13 31-1341	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,811.82	11.04
28 46 13 31-1342		**Batteries** *(28 46 13 31-1125)*		
28 46 13 31-1343	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	618.18	11.04
28 46 13 31-1344	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	563.56	11.04
28 46 13 31-1345	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	756.72	11.04
28 46 13 31-1346	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	421.07	11.04
28 46 13 31-1347	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	607.89	11.04
28 46 13 31-1348	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	606.31	11.04
28 46 13 31-1349	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	993.90	11.04
28 46 13 31-1350		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-1125)*		
28 46 13 31-1351	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	148.67	8.83
28 46 13 31-1352	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	271.66	8.83
28 46 13 31-1353	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	338.48	44.16
28 46 13 31-1354	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	149.99	22.08
28 46 13 31-1355	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	110.01	5.52
28 46 13 31-1356	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	267.11	8.83
28 46 13 31-1357	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	209.88	8.83
28 46 13 31-1358	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	236.76	8.83
28 46 13 31-1359	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	254.50	8.83
28 46 13 31-1360	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	394.09	8.83
28 46 13 31-1361	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	220.17	8.83
28 46 13 31-1362	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	325.44	8.83
28 46 13 31-1363	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	277.38	8.83
28 46 13 31-1364	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	284.25	8.83
28 46 13 31-1365	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	244.20	8.83
28 46 13 31-1366	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	227.04	8.83
28 46 13 31-1367		**Power Supplies And Chargers** *(28 46 13 31-1125)*		
28 46 13 31-1368	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	2,103.92	16.56
28 46 13 31-1369	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	2,212.12	16.56
28 46 13 31-1370	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,967.93	11.04
28 46 13 31-1371	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,045.19	11.04
28 46 13 31-1372	EA	10 Amperes Battery Charger (Notifier BC10A)	1,124.64	16.56
28 46 13 31-1373	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	602.01	13.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1374	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	610.02	13.25
28 46 13 31-1375	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	1,221.19	13.25
28 46 13 31-1376	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	1,221.19	13.25
28 46 13 31-1377	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	186.84	11.04
28 46 13 31-1378	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,505.61	11.04
28 46 13 31-1379	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	81.98	5.52
28 46 13 31-1380	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	140.90	5.52
28 46 13 31-1381	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	981.55	11.04
28 46 13 31-1382	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	1,106.15	33.12
28 46 13 31-1383	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	1,050.55	33.12
28 46 13 31-1384	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,244.40	33.12
28 46 13 31-1385	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,232.38	33.12
28 46 13 31-1386	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	1,289.43	16.56
28 46 13 31-1387	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	1,289.43	16.56
28 46 13 31-1388	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,621.54	16.56
28 46 13 31-1389	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,544.90	16.56
28 46 13 31-1390	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,647.08	33.12
28 46 13 31-1391	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,647.08	33.12
28 46 13 31-1392	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	1,023.50	33.12
28 46 13 31-1393	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	1,023.50	33.12
28 46 13 31-1394	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	1,119.67	33.12
28 46 13 31-1395	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	1,119.67	33.12
28 46 13 31-1396	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	862.70	33.12
28 46 13 31-1397	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	1,050.55	33.12
28 46 13 31-1398	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	234.95	5.52
28 46 13 31-1399	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,539.78	11.04
28 46 13 31-1400	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	184.55	11.04
28 46 13 31-1401	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,731.44	11.04
28 46 13 31-1402	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	1,067.08	33.12
28 46 13 31-1403	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	1,119.67	33.12
28 46 13 31-1404	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	1,128.11	11.04
28 46 13 31-1405	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	1,022.00	33.12
28 46 13 31-1406	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	993.44	33.12

28 46 13 31-1407 Network Control Annunciators *(28 46 13 31-1125)*

28 46 13 31-1408	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	2,678.65	33.12
28 46 13 31-1409	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	78.16	6.62
28 46 13 31-1410	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	48.08	6.62

28 46 13 31-1411 FIRSTVISION Firefighter's Display *(28 46 13 31-1125)*

28 46 13 31-1412	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	19,882.57	220.80

28 46 13 31-1413 FlashScan Addressable Modules *(28 46 13 31-1125)*

28 46 13 31-1414	EA	Intelligent Addressable Control Module (Notifier FCM-1)	194.66	11.04
28 46 13 31-1415	EA	Addressable Dual Monitor Module (Notifier FDM-1)	223.16	11.04
28 46 13 31-1416	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	153.49	11.04
28 46 13 31-1417	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	131.33	11.04
28 46 13 31-1418	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	322.90	11.04
28 46 13 31-1419	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	149.37	11.04
28 46 13 31-1420	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	257.99	11.04
28 46 13 31-1421	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	150.33	11.04

28 46 13 31-1422 Addressable Device Bases And Accessories *(28 46 13 31-1125)*

28 46 13 31-1423	EA	Intelligent Detector Base With Flange (Notifier B710LP)	44.96	5.52
28 46 13 31-1424	EA	Weatherproof Device Housing (Notifier DH400OE-1)	577.81	11.04
28 46 13 31-1425	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	40.22	5.52
28 46 13 31-1426	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	307.37	5.52
28 46 13 31-1427	EA	Swift AV Base Wall (Notifier WAV-RL)	307.37	5.52

28 46 13 31-1428 XP6/XP10 Transponder *(28 46 13 31-1125)*

28 46 13 31-1429	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	130.53	11.04
28 46 13 31-1430	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	851.72	11.04
28 46 13 31-1431	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,041.71	11.04
28 46 13 31-1432	EA	Six Relay Control Module (Notifier XP6-R)	816.89	11.04
28 46 13 31-1433	EA	Ten Input Monitor Module (Notifier XP10-M)	994.21	11.04

28 46 13 31-1434 LCD Display Annunciators *(28 46 13 31-1125)*

28 46 13 31-1435	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,008.29	33.12
28 46 13 31-1436	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,475.36	33.12
28 46 13 31-1437	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,532.36	33.12
28 46 13 31-1438	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	896.21	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1439	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	455.71	11.04
28 46 13 31-1440	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,173.09	11.04
28 46 13 31-1441	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	679.37	33.12
28 46 13 31-1442		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-1125)*		
28 46 13 31-1443	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	495.76	11.04
28 46 13 31-1444	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,144.63	11.04
28 46 13 31-1445	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	864.38	11.04
28 46 13 31-1446	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,144.63	11.04
28 46 13 31-1447	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	864.38	11.04
28 46 13 31-1448	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	864.38	11.04
28 46 13 31-1449	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	769.39	11.04
28 46 13 31-1450	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	864.38	11.04
28 46 13 31-1451	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	769.39	11.04
28 46 13 31-1452		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-1125)*		
28 46 13 31-1453	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	275.32	22.08
28 46 13 31-1454	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	308.57	22.08
28 46 13 31-1455	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	344.94	27.60
28 46 13 31-1456	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	387.69	27.60
28 46 13 31-1457	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	650.43	38.64
28 46 13 31-1458	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	116.95	6.62
28 46 13 31-1459	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	139.95	22.08
28 46 13 31-1460	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	143.95	5.52
28 46 13 31-1461	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	200.90	22.08
28 46 13 31-1462	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	409.85	27.60
28 46 13 31-1463	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	284.19	5.52
28 46 13 31-1464	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	693.18	38.64
28 46 13 31-1465	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	487.60	6.62
28 46 13 31-1466	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	167.65	8.83
28 46 13 31-1467	EA	Annunciator Key Switch (Notifier AKS-1B)	104.16	3.31
28 46 13 31-1468	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	89.37	11.04
28 46 13 31-1469	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	769.39	11.04
28 46 13 31-1470	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	196.07	2.21
28 46 13 31-1471	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	247.55	2.21
28 46 13 31-1472	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	625.31	11.04
28 46 13 31-1473	EA	Lamp Driver Module (Notifier LDM-R32)	954.56	11.04
28 46 13 31-1474	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	882.48	11.04
28 46 13 31-1475	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	254.42	2.21
28 46 13 31-1476	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	211.76	6.62
28 46 13 31-1477	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	97.39	6.62
28 46 13 31-1478	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	97.39	6.62
28 46 13 31-1479	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	201.46	6.62
28 46 13 31-1480	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	201.46	6.62
28 46 13 31-1481	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	562.71	11.04
28 46 13 31-1482		**Network Gateways** *(28 46 13 31-1125)*		
28 46 13 31-1483	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	4,680.64	11.04
28 46 13 31-1484	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	3,466.41	11.04
28 46 13 31-1485	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	3,914.23	11.04
28 46 13 31-1486	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	4,319.97	11.04
28 46 13 31-1487	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	3,497.96	11.04
28 46 13 31-1488	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	3,401.79	11.04
28 46 13 31-1489	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	3,839.09	11.04
28 46 13 31-1490	EA	Modbus Gateway (Notifier MODBUS-GW)	3,824.06	11.04
28 46 13 31-1491	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	4,417.21	7.29
28 46 13 31-1492	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	6,611.24	7.29
28 46 13 31-1493	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	21,142.93	7.29
28 46 13 31-1494	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	569.66	16.56
28 46 13 31-1495	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,087.90	16.56
28 46 13 31-1496	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,612.24	16.56
28 46 13 31-1497	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,779.27	
28 46 13 31-1498	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,410.30	11.04
28 46 13 31-1499	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,410.30	11.04
28 46 13 31-1500	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	5,326.82	11.04
28 46 13 31-1501	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	6,213.45	11.04
28 46 13 31-1502	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	5,326.82	11.04
28 46 13 31-1503	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,410.30	11.04
28 46 13 31-1504	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,463.28	
28 46 13 31-1505	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	36,855.60	264.96
28 46 13 31-1506	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,662.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1507	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,662.72	
28 46 13 31-1508	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,584.95	11.04
28 46 13 31-1509	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	1,279.89	11.04
28 46 13 31-1510	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,533.86	11.04
28 46 13 31-1511	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,718.70	11.04
28 46 13 31-1512	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	3,643.73	11.04
28 46 13 31-1513	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,168.22	11.04
28 46 13 31-1514	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,438.80	
28 46 13 31-1515	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	2,202.14	7.29
28 46 13 31-1516	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	478.70	11.04

28 46 13 31-1517 NOTI-FIRE-NET Network Components *(28 46 13 31-1125)*

28 46 13 31-1518	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,410.30	11.04
28 46 13 31-1519	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,489.78	11.04
28 46 13 31-1520	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,410.30	11.04
28 46 13 31-1521	EA	Wired Network Communications Module (Notifier NCM-W)	1,416.95	11.04
28 46 13 31-1522	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	121.74	5.52

28 46 13 31-1523 FireWarden Addressable Fire Panels *(28 46 13 31-1125)*

28 46 13 31-1524	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,953.64	220.80
28 46 13 31-1525	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	2,515.71	220.80
28 46 13 31-1526	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,005.32	110.40
28 46 13 31-1527	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,005.32	110.40
28 46 13 31-1528	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	2,987.29	110.40
28 46 13 31-1529	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,603.42	110.40
28 46 13 31-1530	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,256.94	110.40

28 46 13 31-1531 FireWarden Accessories *(28 46 13 31-1125)*

28 46 13 31-1532	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	168.13	16.56
28 46 13 31-1533	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	156.69	16.56

28 46 13 31-1534 FireWarden Devices *(28 46 13 31-1125)*

28 46 13 31-1535	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	148.74	11.04
28 46 13 31-1536	EA	Intelligent Addressable Control Module (Notifier NC-100)	186.74	11.04
28 46 13 31-1537	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	177.24	11.04
28 46 13 31-1538	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	442.01	16.56
28 46 13 31-1539	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	549.14	16.56
28 46 13 31-1540	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	177.24	11.04
28 46 13 31-1541	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	156.62	16.56
28 46 13 31-1542	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	156.62	16.56
28 46 13 31-1543	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	156.62	16.56
28 46 13 31-1544	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	238.95	16.56
28 46 13 31-1545	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	145.58	11.04
28 46 13 31-1546	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	127.37	11.04
28 46 13 31-1547	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	216.03	11.04
28 46 13 31-1548	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	167.70	16.56
28 46 13 31-1549	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	248.49	11.04
28 46 13 31-1550	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,016.38	11.04

28 46 13 31-1551 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories *(28 46 13 31-1125)*

28 46 13 31-1552	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,144.93	176.64
28 46 13 31-1553	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,349.17	176.64
28 46 13 31-1554	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,143.49	55.20
28 46 13 31-1555	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,382.43	55.20
28 46 13 31-1556	EA	Class A Converter Module (Notifier CAC-4)	403.08	11.04
28 46 13 31-1557	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	137.10	6.62
28 46 13 31-1558	EA	Remote Zone Annunciator (Notifier RZA-4X)	173.85	16.56
28 46 13 31-1559	EA	Red, Dress Panel (Notifier DP-51050)	170.57	6.62
28 46 13 31-1560	EA	Black, Dress Panel (Notifier DP-51050B)	172.86	6.62

28 46 13 31-1561 SFP-5UD 5 Zone Control Panels And Accessories *(28 46 13 31-1125)*

28 46 13 31-1562	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	2,016.97	220.80
28 46 13 31-1563	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	2,780.68	165.60
28 46 13 31-1564	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	1,828.24	110.40
28 46 13 31-1565	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	1,828.24	110.40
28 46 13 31-1566	EA	Class A Converter Module (Notifier N-CAC-5X)	419.10	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1567	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	150.55	6.62
28 46 13 31-1568	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	3,428.99	165.60
28 46 13 31-1569	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,262.96	110.40
28 46 13 31-1570	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,231.40	110.40

28 46 13 31-1571 SFP-10UD 10 Zone Control Panels And Accessories *(28 46 13 31-1125)*

28 46 13 31-1572	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	3,273.23	220.80
28 46 13 31-1573	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	2,444.82	165.60
28 46 13 31-1574	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	2,460.29	220.80
28 46 13 31-1575	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	2,665.62	220.80
28 46 13 31-1576	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	743.88	33.12
28 46 13 31-1577	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	4,011.96	220.80
28 46 13 31-1578	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	2,982.67	165.60
28 46 13 31-1579	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	3,165.90	220.80

28 46 13 31-1580 Smoke Detectors *(28 46 13 31-1125)*

28 46 13 31-1581	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	261.11	16.56
28 46 13 31-1582	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	492.27	16.56
28 46 13 31-1583	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,461.54	16.56
28 46 13 31-1584	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	144.10	16.56
28 46 13 31-1585	EA	Filters For Harsh Detector (Notifier RF-FTX)	16.82	
28 46 13 31-1586	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	153.10	11.04
28 46 13 31-1587	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	2,506.66	16.56
28 46 13 31-1588	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	152.40	16.56
28 46 13 31-1589	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	171.28	16.56
28 46 13 31-1590	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	161.84	16.56
28 46 13 31-1591	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	179.00	16.56
28 46 13 31-1592	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	162.98	16.56
28 46 13 31-1593	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	180.14	16.56
28 46 13 31-1594	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	122.36	16.56
28 46 13 31-1595	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	122.36	16.56
28 46 13 31-1596	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	138.38	16.56
28 46 13 31-1597	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	138.38	16.56
28 46 13 31-1598	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	122.36	16.56
28 46 13 31-1599	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	138.38	16.56
28 46 13 31-1600	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	419.84	16.56
28 46 13 31-1601	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	454.17	16.56
28 46 13 31-1602	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	418.70	16.56
28 46 13 31-1603	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	380.94	16.56
28 46 13 31-1604	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	340.90	16.56
28 46 13 31-1605	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	340.90	16.56
28 46 13 31-1606	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	233.35	16.56
28 46 13 31-1607	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,905.73	16.56
28 46 13 31-1608	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	4,807.54	16.56

28 46 13 31-1609 Pull Stations *(28 46 13 31-1125)*

28 46 13 31-1610	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	28.22	2.21
28 46 13 31-1611	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	61.21	5.52
28 46 13 31-1612	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	58.64	5.52
28 46 13 31-1613	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	70.16	11.04
28 46 13 31-1614	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	80.61	11.04
28 46 13 31-1615	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	121.72	11.04
28 46 13 31-1616	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	70.16	11.04
28 46 13 31-1617	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	85.49	11.04
28 46 13 31-1618	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	85.49	11.04
28 46 13 31-1619	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	85.49	11.04
28 46 13 31-1620	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	79.22	11.04
28 46 13 31-1621	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	88.28	11.04
28 46 13 31-1622	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	1,252.75	13.25
28 46 13 31-1623	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	64.53	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1624	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	69.45	11.04
28 46 13 31-1625	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	87.39	11.04
28 46 13 31-1626	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	256.08	13.25
28 46 13 31-1627	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	123.62	11.04
28 46 13 31-1628	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	97.59	11.04
28 46 13 31-1629	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	217.62	11.04
28 46 13 31-1630	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	50.41	2.21
28 46 13 31-1631	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	421.23	13.25
28 46 13 31-1632		**Rate Compensation Heat Detectors** *(28 46 13 31-1125)*		
28 46 13 31-1633	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	172.45	16.56
28 46 13 31-1634	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	172.45	16.56
28 46 13 31-1635		**FM Series Door Releases** *(28 46 13 31-1125)*		
28 46 13 31-1636	EA	1/2" Door Holder Spacer (Notifier FM900-50)	25.62	3.31
28 46 13 31-1637	EA	3/4" Door Holder Spacer (Notifier FM900-75)	25.62	3.31
28 46 13 31-1638	EA	1" Door Holder Spacer (Notifier FM900-100)	25.62	3.31
28 46 13 31-1639	EA	Door Holder Extension Kit (Notifier FM900)	27.99	3.31
28 46 13 31-1640	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	28.79	3.31
28 46 13 31-1641	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	200.75	16.56
28 46 13 31-1642	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	166.12	16.56
28 46 13 31-1643	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	166.12	16.56
28 46 13 31-1644		**Multicriteria Fire Detector** *(28 46 13 31-1125)*		
28 46 13 31-1645	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	290.55	16.56
28 46 13 31-1646	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	289.41	16.56
28 46 13 31-1647	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	168.13	16.56
28 46 13 31-1648	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	176.14	16.56
28 46 13 31-1649	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	290.55	16.56
28 46 13 31-1650		**Modules** *(28 46 13 31-1125)*		
28 46 13 31-1651	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	377.91	11.04
28 46 13 31-1652	EA	Addressable Firephone Control Module (Notifier FTM-1)	218.87	11.04
28 46 13 31-1653	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	364.18	11.04
28 46 13 31-1654	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	427.11	11.04
28 46 13 31-1655	EA	Wireless Sync Module (Notifier W-SYNC)	567.58	11.04
28 46 13 31-1656		**DH Series Door Releases** *(28 46 13 31-1125)*		
28 46 13 31-1657	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	156.40	16.56
28 46 13 31-1658	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	170.42	16.56
28 46 13 31-1659	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	183.58	16.56
28 46 13 31-1660	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	180.14	16.56
28 46 13 31-1661	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	191.58	16.56
28 46 13 31-1662	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	201.31	16.56
28 46 13 31-1663	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	156.40	16.56
28 46 13 31-1664	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	168.70	16.56
28 46 13 31-1665	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	183.58	16.56
28 46 13 31-1666	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	215.04	16.56
28 46 13 31-1667	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	233.35	16.56
28 46 13 31-1668	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	254.51	16.56
28 46 13 31-1669	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	259.66	16.56
28 46 13 31-1670	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	281.40	16.56
28 46 13 31-1671	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	307.72	16.56
28 46 13 31-1672	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	16.95	2.21
28 46 13 31-1673	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	16.95	2.21
28 46 13 31-1674	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	19.29	2.21
28 46 13 31-1675	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	16.95	2.21
28 46 13 31-1676	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	16.95	2.21
28 46 13 31-1677	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	19.29	2.21
28 46 13 31-1678	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	18.15	2.21
28 46 13 31-1679	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	18.15	2.21
28 46 13 31-1680	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	19.29	2.21
28 46 13 31-1681	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	20.61	2.21
28 46 13 31-1682	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	20.61	2.21
28 46 13 31-1683	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	20.61	2.21
28 46 13 31-1684	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	21.81	2.21
28 46 13 31-1685	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	21.81	2.21
28 46 13 31-1686	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	21.81	2.21
28 46 13 31-1687	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	23.13	2.21
28 46 13 31-1688	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	23.13	2.21
28 46 13 31-1689	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	24.33	2.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1690	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	24.33	2.21
28 46 13 31-1691	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	25.64	2.21
28 46 13 31-1692	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	29.36	2.21
28 46 13 31-1693	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	28.10	2.21
28 46 13 31-1694	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	26.85	2.21
28 46 13 31-1695	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	29.36	2.21
28 46 13 31-1696	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	22.81	3.31
28 46 13 31-1697	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	24.01	3.31
28 46 13 31-1698	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	27.84	3.31
28 46 13 31-1699	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	52.73	3.31
28 46 13 31-1700	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	56.39	3.31
28 46 13 31-1701	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	60.05	3.31
28 46 13 31-1702	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	39.64	5.52
28 46 13 31-1703	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	42.16	5.52
28 46 13 31-1704	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	47.20	5.52
28 46 13 31-1705	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1706 First Command *(28 46 13 31-1125)*

28 46 13 31-1707	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,018.04	276.00
28 46 13 31-1708	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,108.20	276.00
28 46 13 31-1709	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	2,280.85	22.08
28 46 13 31-1710	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	2,348.47	22.08
28 46 13 31-1711	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	4,386.21	22.08
28 46 13 31-1712	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	4,536.49	22.08
28 46 13 31-1713	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	662.26	11.04
28 46 13 31-1714	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	662.26	11.04
28 46 13 31-1715	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	484.32	11.04
28 46 13 31-1716	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	907.21	11.04
28 46 13 31-1717	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	3,176.49	22.08
28 46 13 31-1718	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	3,104.36	22.08
28 46 13 31-1719	EA	Black, Remote Microphone (Notifier NFC-RM)	966.19	
28 46 13 31-1720	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,585.91	22.08
28 46 13 31-1721	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	357.32	11.04
28 46 13 31-1722	EA	Firefighters Phone Jack (Notifier N-FPJ)	169.66	3.31
28 46 13 31-1723	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	38.20	3.31
28 46 13 31-1724	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	138.25	6.62

28 46 13 31-1725 LED Displays *(28 46 13 31-1125)*

28 46 13 31-1726	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	2,599.23	13.25
28 46 13 31-1727	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	3,658.48	17.66
28 46 13 31-1728	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	3,702.06	17.66
28 46 13 31-1729	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	3,551.79	17.66
28 46 13 31-1730	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	5,009.47	17.66
28 46 13 31-1731	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	3,777.20	17.66

28 46 13 31-1732 Control Relays *(28 46 13 31-1125)*

28 46 13 31-1733	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	59.90	5.52
28 46 13 31-1734	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	40.56	5.52
28 46 13 31-1735	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	179.40	11.04
28 46 13 31-1736	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	102.86	5.52
28 46 13 31-1737	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	126.60	5.52
28 46 13 31-1738	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	185.69	11.04
28 46 13 31-1739	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	185.69	11.04
28 46 13 31-1740	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	74.71	11.04
28 46 13 31-1741	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	45.59	5.52
28 46 13 31-1742	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	200.00	11.04
28 46 13 31-1743	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	42.90	11.04
28 46 13 31-1744	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	42.90	11.04
28 46 13 31-1745	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	42.90	11.04

28 46 13 31-1746 Gamewell-FCI Fire Control Instruments *(28 46 13 31-1125)*

28 46 13 31-1747 7100 Series And NetSOLO® *(28 46 13 31-1746)*

28 46 13 31-1748 7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 13 31-1747)*

28 46 13 31-1749	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	688.53	132.49
28 46 13 31-1750	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,480.16	220.80
28 46 13 31-1751	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,973.17	220.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1752	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	3,480.16	220.80
28 46 13 31-1753	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	3,973.17	220.80
28 46 13 31-1754	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,563.10	
28 46 13 31-1755	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,892.93	
28 46 13 31-1756	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,892.93	22.08
28 46 13 31-1757		**NetSOLO® Intelligent Network** *(28 46 13 31-1747)*		
28 46 13 31-1758	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,109.92	22.08
28 46 13 31-1759	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,656.84	22.08
28 46 13 31-1760		**Components And Accessories** *(28 46 13 31-1747)*		
28 46 13 31-1761	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,015.66	16.56
28 46 13 31-1762	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	731.59	22.08
28 46 13 31-1763	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,420.75	22.08
28 46 13 31-1764	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	516.33	22.08
28 46 13 31-1765	EA	Enclosure Box (Gamewell-FCI EN-7100)	308.78	44.16
28 46 13 31-1766	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,535.81	11.04
28 46 13 31-1767		**E3 Series® Basic System** *(28 46 13 31-1746)*		
28 46 13 31-1768	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,269.17	22.08
28 46 13 31-1769	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,065.05	22.08
28 46 13 31-1770	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,269.17	22.08
28 46 13 31-1771	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,065.05	22.08
28 46 13 31-1772	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	832.33	22.08
28 46 13 31-1773	EA	Power Supply Module (Gamewell-FCI PM-9)	1,119.16	22.08
28 46 13 31-1774	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	927.33	22.08
28 46 13 31-1775	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	963.36	11.04
28 46 13 31-1776	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	486.45	22.08
28 46 13 31-1777	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,461.77	22.08
28 46 13 31-1778	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,209.42	22.08
28 46 13 31-1779	EA	Local Operating Console (Gamewell-FCI 1100-0455)	799.57	16.56
28 46 13 31-1780	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,734.58	16.56
28 46 13 31-1781	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,019.05	22.08
28 46 13 31-1782	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,298.71	22.08
28 46 13 31-1783	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	595.46	44.16
28 46 13 31-1784	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	388.66	44.16
28 46 13 31-1785	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	79.52	11.04
28 46 13 31-1786	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	686.33	22.08
28 46 13 31-1787	EA	LED Driver module (Gamewell-FCI ANU-48)	686.33	22.08
28 46 13 31-1788	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,281.43	16.56
28 46 13 31-1789		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1790		**Velociti® Series Sensors And Bases** *(28 46 13 31-1789)*		
28 46 13 31-1791	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	175.47	16.56
28 46 13 31-1792	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	180.67	16.56
28 46 13 31-1793	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	196.30	16.56
28 46 13 31-1794	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	133.80	16.56
28 46 13 31-1795	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	142.48	16.56
28 46 13 31-1796	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	133.80	16.56
28 46 13 31-1797	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	232.75	16.56
28 46 13 31-1798	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	597.30	16.56
28 46 13 31-1799	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	445.78	27.60
28 46 13 31-1800	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	515.22	27.60
28 46 13 31-1801	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	188.87	
28 46 13 31-1802	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	38.81	5.52
28 46 13 31-1803	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	649.38	16.56
28 46 13 31-1804	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	119.54	5.52
28 46 13 31-1805	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,409.75	33.12
28 46 13 31-1806		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1789)*		
28 46 13 31-1807	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	132.31	11.04
28 46 13 31-1808	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	242.54	11.04
28 46 13 31-1809	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	149.67	11.04
28 46 13 31-1810	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	230.39	11.04
28 46 13 31-1811	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	184.39	11.04
28 46 13 31-1812	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	193.07	11.04
28 46 13 31-1813	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	241.19	22.08
28 46 13 31-1814	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	200.88	11.04
28 46 13 31-1815	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	30.46	2.21
28 46 13 31-1816		**Components And Accessories** *(28 46 13 31-1789)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1817	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	61.06	8.83
28 46 13 31-1818	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	30.53	4.42
28 46 13 31-1819	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	34.00	4.42
28 46 13 31-1820	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	39.68	5.52
28 46 13 31-1821	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	74.01	6.62
28 46 13 31-1822	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	114.87	8.83
28 46 13 31-1823		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1789)*		
28 46 13 31-1824	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	62.63	16.56
28 46 13 31-1825	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	62.63	16.56
28 46 13 31-1826	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	60.24	16.56
28 46 13 31-1827	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	60.24	16.56
28 46 13 31-1828		**NAC Expander/Power Supply** *(28 46 13 31-1789)*		
28 46 13 31-1829	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,603.16	176.64
28 46 13 31-1830	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,273.33	176.64
28 46 13 31-1831	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,438.25	176.64
28 46 13 31-1832		**Batteries And Accessories** *(28 46 13 31-1746)*		
28 46 13 31-1833	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	320.66	11.04
28 46 13 31-1834	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	886.57	11.04
28 46 13 31-1835	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	147.07	11.04
28 46 13 31-1836	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	358.36	22.08
28 46 13 31-1837	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	358.36	22.08
28 46 13 31-1838	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	308.02	22.08
28 46 13 31-1839		**Electronic Door Holders** *(28 46 13 31-1746)* Note: Rixson products.		
28 46 13 31-1840	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	55.46	2.21
28 46 13 31-1841	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	449.74	16.56
28 46 13 31-1842	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	638.96	16.56
28 46 13 31-1843	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	261.22	16.56
28 46 13 31-1844	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	245.60	16.56
28 46 13 31-1845	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	261.22	16.56
28 46 13 31-1846	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	260.53	16.56
28 46 13 31-1847		**Fire Alarm Programming** *(28 46 13 31-1746)* Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1848	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1849	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1850	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1851		**Fire-Lite Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1852		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1851)*		
28 46 13 31-1853	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	926.35	88.32
28 46 13 31-1854	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,236.82	99.36
28 46 13 31-1855	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	1,962.24	110.40
28 46 13 31-1856	EA	Loop Expander Module (Fire-Lite SLC-3LS)	632.80	16.56
28 46 13 31-1857	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	156.67	11.04
28 46 13 31-1858	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	235.56	11.04
28 46 13 31-1859	EA	Battery Back Box (Fire-Lite BB-26)	145.23	6.62
28 46 13 31-1860	EA	Battery Box (Fire-Lite BB-55F)	285.26	6.62
28 46 13 31-1861	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	70.35	4.42
28 46 13 31-1862	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	682.94	11.04
28 46 13 31-1863	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,460.14	22.08
28 46 13 31-1864	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	797.36	11.04
28 46 13 31-1865	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	825.03	11.04
28 46 13 31-1866	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	302.27	11.04
28 46 13 31-1867	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	377.56	11.04
28 46 13 31-1868	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	325.93	11.04
28 46 13 31-1869	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	325.93	11.04
28 46 13 31-1870	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	255.42	11.04
28 46 13 31-1871	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	249.03	11.04
28 46 13 31-1872	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	95.29	16.56
28 46 13 31-1873	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	112.70	16.56
28 46 13 31-1874	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	117.69	16.56
28 46 13 31-1875	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	249.36	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1876	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	89.06	16.56
28 46 13 31-1877	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	106.40	16.56
28 46 13 31-1878	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	134.68	16.56
28 46 13 31-1879	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	530.25	16.56
28 46 13 31-1880	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	165.47	16.56
28 46 13 31-1881	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	95.29	16.56
28 46 13 31-1882	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	137.32	16.56
28 46 13 31-1883	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	159.59	16.56
28 46 13 31-1884	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	104.61	16.56
28 46 13 31-1885	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	136.74	16.56
28 46 13 31-1886	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	130.77	16.56
28 46 13 31-1887	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	161.55	16.56
28 46 13 31-1888	EA	Low-Profile, Intelligent, 'Adapt' Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	156.65	16.56
28 46 13 31-1889	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	98.01	11.04
28 46 13 31-1890	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	118.23	11.04
28 46 13 31-1891	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	140.01	11.04
28 46 13 31-1892	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	143.68	11.04
28 46 13 31-1893	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,538.03	16.56
28 46 13 31-1894	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	1,767.45	16.56
28 46 13 31-1895	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	223.84	11.04
28 46 13 31-1896	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	123.01	11.04
28 46 13 31-1897	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	206.84	11.04
28 46 13 31-1898	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	81.82	6.62
28 46 13 31-1899	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	493.73	11.04
28 46 13 31-1900	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	120.21	11.04
28 46 13 31-1901	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	406.91	11.04
28 46 13 31-1902	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	66.63	5.52
28 46 13 31-1903	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	361.09	11.04
28 46 13 31-1904	EA	Dual Monitor Module (Fire-Lite MDF-300)	153.43	11.04
28 46 13 31-1905	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	66.39	5.52
28 46 13 31-1906	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	537.12	11.04
28 46 13 31-1907	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	83.54	8.83
28 46 13 31-1908	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	123.61	11.04
28 46 13 31-1909	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	530.87	11.04
28 46 13 31-1910	EA	Mount For Modules (Fire-Lite SMB500)	13.43	1.10
28 46 13 31-1911		**Addressable Control Panels** *(28 46 13 31-1851)*		
28 46 13 31-1912	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,496.11	220.80
28 46 13 31-1913	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,752.68	220.80
28 46 13 31-1914	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,368.91	220.80
28 46 13 31-1915	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	3,714.83	220.80
28 46 13 31-1916	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	3,599.38	220.80
28 46 13 31-1917	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	667.79	
28 46 13 31-1918		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-1919		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1918)*		
28 46 13 31-1920	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,031.84	110.40
28 46 13 31-1921		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1918)*		
28 46 13 31-1922	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	4,254.59	110.40
28 46 13 31-1923		**Compatable EVS Equipment** *(28 46 13 31-1918)*		
28 46 13 31-1924	EA	50 Watt Amplifier (Silent Knight EVS-50W)	770.41	22.08
28 46 13 31-1925	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,399.72	22.08
28 46 13 31-1926	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	1,755.73	22.08
28 46 13 31-1927	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	574.78	22.08
28 46 13 31-1928	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	536.60	22.08
28 46 13 31-1929	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	202.73	5.52
28 46 13 31-1930	EA	Remote Voice Module (Silent Knight EVS-RVM)	950.39	8.83
28 46 13 31-1931	EA	24 Switch Expander (Silent Knight EVS-SW24)	354.81	11.04
28 46 13 31-1932	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,142.64	8.83
28 46 13 31-1933	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,508.44	22.08
28 46 13 31-1934		**Compatable SBUS Devices** *(28 46 13 31-1918)*		
28 46 13 31-1935	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	877.50	22.08
28 46 13 31-1936	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	357.99	22.08
28 46 13 31-1937	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	438.68	22.08
28 46 13 31-1938	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	266.51	22.08
28 46 13 31-1939	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	361.02	22.08
28 46 13 31-1940	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	385.28	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1941	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	302.99	16.56
28 46 13 31-1942	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	180.88	11.04
28 46 13 31-1943	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	256.35	11.04
28 46 13 31-1944		**SK Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1945	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	102.11	16.56
28 46 13 31-1946	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	813.48	16.56
28 46 13 31-1947	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	928.82	16.56
28 46 13 31-1948	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,053.91	16.56
28 46 13 31-1949	EA	Supervised Control Module (Silent Knight SK-CONTROL)	100.59	16.56
28 46 13 31-1950	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	384.28	22.08
28 46 13 31-1951	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	194.15	16.56
28 46 13 31-1952	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	170.37	16.56
28 46 13 31-1953	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	196.06	16.56
28 46 13 31-1954	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	88.33	16.56
28 46 13 31-1955	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	92.24	16.56
28 46 13 31-1956	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	89.87	16.56
28 46 13 31-1957	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	92.24	16.56
28 46 13 31-1958	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	88.33	16.56
28 46 13 31-1959	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	92.24	16.56
28 46 13 31-1960	EA	Fault Isolator Module (Silent Knight SK-ISO)	88.33	16.56
28 46 13 31-1961	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	77.58	16.56
28 46 13 31-1962	EA	Monitor Module (Silent Knight SK-MONITOR)	85.53	16.56
28 46 13 31-1963	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	125.14	16.56
28 46 13 31-1964	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	441.95	22.08
28 46 13 31-1965	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	91.40	16.56
28 46 13 31-1966	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	99.44	16.56
28 46 13 31-1967	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	93.69	16.56
28 46 13 31-1968	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	101.85	16.56
28 46 13 31-1969	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	97.53	16.56
28 46 13 31-1970	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	105.67	16.56
28 46 13 31-1971	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	115.28	16.56
28 46 13 31-1972	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	99.63	11.04
28 46 13 31-1973	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	99.63	11.04
28 46 13 31-1974	EA	Addressable Relay Module (Silent Knight SK-RELAY)	89.55	11.04
28 46 13 31-1975	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	372.45	22.08
28 46 13 31-1976	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	224.81	16.56
28 46 13 31-1977	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	112.87	16.56
28 46 13 31-1978	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	462.66	22.08
28 46 13 31-1979		**SK Bases** *(28 46 13 31-1918)*		
28 46 13 31-1980	EA	6" Mounting Base (Silent Knight B210LP)	23.69	5.52
28 46 13 31-1981	EA	4" Flangeless Mounting Base (Silent Knight B501)	26.25	5.52
28 46 13 31-1982	EA	Intelligent Sounder Base (Silent Knight B200S)	66.24	5.52
28 46 13 31-1983	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	98.46	5.52
28 46 13 31-1984	EA	Relay Base (Silent Knight B224RB)	51.54	5.52
28 46 13 31-1985	EA	Isolator Base (Silent Knight B224BI)	50.75	5.52
28 46 13 31-1986		**SD Compatible Addressable Device** *(28 46 13 31-1918)*		
28 46 13 31-1987	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	22.08	5.52
28 46 13 31-1988	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	35.55	5.52
28 46 13 31-1989	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	125.71	5.52
28 46 13 31-1990	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	130.76	5.52
28 46 13 31-1991	EA	Addressable Input Module (Silent Knight SD500-AIM)	187.61	16.56
28 46 13 31-1992	EA	Addressable Notification Module (Silent Knight SD500-ANM)	177.29	16.56
28 46 13 31-1993	EA	Addressable Relay Module (Silent Knight SD500-ARM)	195.14	16.56
28 46 13 31-1994		**System Expanders** *(28 46 13 31-1918)*		
28 46 13 31-1995	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	437.25	22.08
28 46 13 31-1996	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	377.69	22.08
28 46 13 31-1997	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	755.57	11.04
28 46 13 31-1998	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	452.85	33.12
28 46 13 31-1999		**Miscellaneous Accessories** *(28 46 13 31-1918)*		
28 46 13 31-2000	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	100.29	11.04
28 46 13 31-2001		**Silent Knight Fire Alarm** *(28 46 13 31-1124)*		
28 46 13 31-2002	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,347.87	110.40
28 46 13 31-2003	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,126.87	66.24
28 46 13 31-2004	EA	Voice Evacuation System (Silent Knight SKE-450)	2,698.88	44.16
28 46 13 31-2005	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,204.99	44.16
28 46 13 31-2006	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,263.62	66.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2007	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,631.13	44.16
28 46 13 31-2008	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,199.70	44.16
28 46 13 31-2009	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,006.93	44.16
28 46 13 31-2010	EA	Ionization Smoke Detector (Silent Knight SK-ION)	157.42	16.56
28 46 13 31-2011	EA	Sounder Base (Silent Knight B200SR)	105.84	5.52
28 46 13 31-2012	EA	Intelligent Sounder Base (Silent Knight B200S)	113.53	5.52
28 46 13 31-2013	EA	Isolator Base (Silent Knight B224BI)	84.09	5.52
28 46 13 31-2014	EA	Relay Base (Silent Knight B224RB)	85.35	5.52
28 46 13 31-2015	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	152.51	16.56
28 46 13 31-2016	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	119.50	16.56
28 46 13 31-2017	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	138.17	16.56
28 46 13 31-2018	EA	6" Isolator Base (Silent Knight SD505-6IB)	112.27	5.52
28 46 13 31-2019	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	758.77	33.12
28 46 13 31-2020	EA	Loop Isolation Module (Silent Knight SD500-LIM)	145.87	16.56
28 46 13 31-2021	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	123.31	11.04
28 46 13 31-2022	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	172.61	11.04
28 46 13 31-2023	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	162.74	11.04
28 46 13 31-2024	EA	Back Box (Silent Knight SK-PSSMBB)	58.98	8.83
28 46 13 31-2025	EA	Smoke Detector Module (Silent Knight SD500-SDM)	171.30	16.56
28 46 13 31-2026	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	244.98	16.56
28 46 13 31-2027	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	440.14	16.56
28 46 13 31-2028	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	143.31	16.56
28 46 13 31-2029	EA	Intelligent Power Module (Silent Knight 5895XL)	1,109.26	44.16
28 46 13 31-2030	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	162.74	11.04
28 46 13 31-2031	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	589.78	33.12
28 46 13 31-2032	EA	Communicator (Silent Knight IPGSM-4G)	986.74	22.08
28 46 13 31-2033	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,520.60	44.16
28 46 13 31-2034	EA	10 Zone Expander (Silent Knight SK-5217)	431.52	11.04
28 46 13 31-2035	EA	Remote Annunciator (Silent Knight SK-5235)	386.15	22.08
28 46 13 31-2036	EA	Status Display Module (Silent Knight 5280)	92.57	11.04
28 46 13 31-2037	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	785.61	44.16
28 46 13 31-2038	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	804.64	44.16
28 46 13 31-2039	EA	Dress Panel (Silent Knight SK-DP2/4)	137.39	11.04
28 46 13 31-2040	EA	Class A Convertor (Silent Knight SK-CAC4)	408.83	16.56
28 46 13 31-2041	EA	Transmitter Module (Silent Knight SK-4XTM	183.65	16.56
28 46 13 31-2042	EA	LED Interface Module (Silent Knight SK-4XLM	163.90	16.56
28 46 13 31-2043	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	192.34	11.04
28 46 13 31-2044	EA	Remote Annunciator (Silent Knight SK-RZA4)	163.90	16.56
28 46 13 31-2045	EA	Zone Relay Module (Silent Knight SK-4XZM)	181.17	16.56
28 46 13 31-2046	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	654.70	44.16
28 46 13 31-2047	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	69.86	11.04
28 46 13 31-2048	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	79.39	11.04
28 46 13 31-2049	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	76.72	11.04
28 46 13 31-2050	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	63.64	11.04
28 46 13 31-2051	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	189.37	13.25
28 46 13 31-2052	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	708.79	33.12
28 46 13 31-2053	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	813.50	33.12
28 46 13 31-2054	EA	Detector (Silent Knight IDP-PhotoR)	223.03	16.56
28 46 13 31-2055	EA	Monitoring Module (Silent Knight IDP)	233.03	16.56
28 46 13 31-2056	EA	I/O Input-Output Module (Silent Knight SK-2880)	721.76	11.04
28 46 13 31-2057	EA	Remote Annunciator (Silent Knight RA-2000)	2,065.34	33.12
28 46 13 31-2058	EA	Power Supply (Silent Knight 5195/96)	1,321.50	11.04
28 46 13 31-2059	EA	8 Zone Expander (Silent Knight SK-5210)	1,021.63	11.04
28 46 13 31-2060	EA	LCD Remote Annunciator (Silent Knight SK-5230)	362.06	22.08
28 46 13 31-2061	EA	Ionization Smoke Detector (Silent Knight SK-ION)	157.42	16.56
28 46 13 31-2062	EA	Addressable Relay Module (Silent Knight IDP-Relay)	183.05	16.56
28 46 13 31-2063	EA	Telephone Line Monitor (Silent Knight SK-7150)	112.04	11.04
28 46 13 31-2064	EA	Serial Driver Board (Silent Knight SK-2884)	243.98	11.04
28 46 13 31-2065	EA	Smoke Detector Base (Silent Knight IDP-6AB)	61.02	5.52
28 46 13 31-2066	EA	Mini Input Module (Silent Knight IDP-MINIMON)	172.01	11.04
28 46 13 31-2067	EA	Status Display Module (Silent Knight SK-4180)	741.76	11.04
28 46 13 31-2068	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	421.90	11.04
28 46 13 31-2069	EA	Serial Parallel Module (Silent Knight SK-4824)	381.92	11.04
28 46 13 31-2070	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,521.40	11.04
28 46 13 31-2071	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,487.24	44.16
28 46 13 31-2072	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	233.03	16.56
28 46 13 31-2073	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	183.05	16.56

28 46 13 31-2074 Alerton Fire Alarm *(28 46 13 31)*

28 46 13 31-2075	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	603.87	3.31

28 46 13 31-2076 Cooper Fire Alarm *(28 46 13 31)*

28 46 13 31-2077	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	162.81	11.04
28 46 13 31-2078	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,741.64	18.77
28 46 13 31-2079	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,279.48	18.77
28 46 13 31-2080	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,226.20	22.08
28 46 13 31-2081	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,239.87	22.08
28 46 13 31-2082	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,239.87	22.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2083	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,634.98	22.08
28 46 13 31-2084	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,634.98	22.08
28 46 13 31-2085	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,634.98	22.08
28 46 13 31-2086	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,239.87	22.08
28 46 13 31-2087	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,239.87	22.08
28 46 13 31-2088	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,239.87	22.08
28 46 13 31-2089	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,239.87	22.08
28 46 13 31-2090	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,239.87	22.08
28 46 13 31-2091	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,593.57	22.08
28 46 13 31-2092	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,402.19	22.08
28 46 13 31-2093	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,402.19	22.08
28 46 13 31-2094	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,402.19	22.08
28 46 13 31-2095		Light Engineered Displays Message Boards *(28 46 13 31)*		
28 46 13 31-2096	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	940.13	13.25
28 46 13 31-2097	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	822.54	13.25
28 46 13 31-2098		Safety Technology International Fire Alarm *(28 46 13 31)*		
28 46 13 31-2099		Enclosures *(28 46 13 31-2098)*		
28 46 13 31-2100	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	111.12	6.62
28 46 13 31-2101	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	150.45	6.62
28 46 13 31-2102	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	113.75	6.62
28 46 13 31-2103	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	151.32	6.62
28 46 13 31-2104	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	117.24	6.62
28 46 13 31-2105	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	177.54	6.62
28 46 13 31-2106	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	123.36	6.62
28 46 13 31-2107	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	176.67	6.62
28 46 13 31-2108	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	133.85	6.62
28 46 13 31-2109	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	193.27	6.62
28 46 13 31-2110	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	162.68	6.62
28 46 13 31-2111	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	256.19	6.62
28 46 13 31-2112	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	176.67	6.62
28 46 13 31-2113	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	327.85	6.62
28 46 13 31-2114	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	188.90	6.62
28 46 13 31-2115	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	338.33	6.62
28 46 13 31-2116	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	228.22	6.62
28 46 13 31-2117	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	347.95	6.62
28 46 13 31-2118	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	338.33	6.62
28 46 13 31-2119	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	511.36	6.62
28 46 13 31-2120	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	77.92	6.62
28 46 13 31-2121	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	86.66	6.62
28 46 13 31-2122	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	81.85	6.62
28 46 13 31-2123	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	89.28	6.62
28 46 13 31-2124	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	85.35	6.62
28 46 13 31-2125	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	94.08	6.62
28 46 13 31-2126	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	86.66	6.62
28 46 13 31-2127	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	104.57	6.62
28 46 13 31-2128	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	91.90	6.62
28 46 13 31-2129	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	108.07	6.62
28 46 13 31-2130	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	96.71	6.62
28 46 13 31-2131	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	110.25	6.62
28 46 13 31-2132	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	98.02	6.62
28 46 13 31-2133	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	114.62	6.62
28 46 13 31-2134	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	118.12	6.62
28 46 13 31-2135	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	151.32	6.62
28 46 13 31-2136	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	132.10	6.62
28 46 13 31-2137	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	184.53	6.62
28 46 13 31-2138	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	148.70	6.62
28 46 13 31-2139	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	199.39	6.62
28 46 13 31-2140	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	171.42	6.62
28 46 13 31-2141	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	236.96	6.62
28 46 13 31-2142	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	284.15	6.62
28 46 13 31-2143	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	298.13	6.62
28 46 13 31-2144	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	437.96	6.62
28 46 13 31-2145	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	510.49	6.62
28 46 13 31-2146		STI® Fire Alarm Devices *(28 46 13 31-2098)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2147	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	136.90	6.62
28 46 13 31-2148	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	151.32	6.62
28 46 13 31-2149	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	80.76	6.62
28 46 13 31-2150	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	81.63	6.62
28 46 13 31-2151	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	70.27	6.62
28 46 13 31-2152	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	81.63	6.62
28 46 13 31-2153	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	61.75	6.62
28 46 13 31-2154	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	173.17	6.62
28 46 13 31-2155	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	108.50	6.62
28 46 13 31-2156	EA	Backplate For Polycarbonate Cover (STI-1280)	40.86	6.62
28 46 13 31-2157	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	23.74	6.62
28 46 13 31-2158	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	41.83	6.62
28 46 13 31-2159	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	123.80	6.62
28 46 13 31-2160	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	98.89	6.62
28 46 13 31-2161	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	67.43	6.62
28 46 13 31-2162	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	62.62	6.62
28 46 13 31-2163	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	59.78	6.62
28 46 13 31-2164	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	62.62	6.62
28 46 13 31-2165	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	59.78	6.62
28 46 13 31-2166	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	62.62	6.62
28 46 13 31-2167	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	59.78	6.62
28 46 13 31-2168	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	137.78	6.62
28 46 13 31-2169	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	54.06	6.62
28 46 13 31-2170	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	86.73	6.62
28 46 13 31-2171	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	93.21	6.62
28 46 13 31-2172	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	93.21	6.62
28 46 13 31-2173	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	61.75	6.62
28 46 13 31-2174	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	61.75	6.62
28 46 13 31-2175	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	54.06	6.62
28 46 13 31-2176	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	61.75	6.62
28 46 13 31-2177	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	61.75	6.62
28 46 13 31-2178	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	124.09	3.31
28 46 13 31-2179	EA	Gasket Kit For STI Covers (STI SUB-121)	43.82	
28 46 13 31-2180	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	184.53	6.62
28 46 13 31-2181	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	91.46	6.62
28 46 13 31-2182	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	91.46	6.62
28 46 13 31-2183	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	184.53	6.62
28 46 13 31-2184	EA	Flush Mounted, Weather Stopper II (STI-1250)	99.98	6.62
28 46 13 31-2185	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	59.78	6.62
28 46 13 31-2186	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	116.80	6.62
28 46 13 31-2187	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	76.17	6.62
28 46 13 31-2188	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	84.91	6.62
28 46 13 31-2189	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	94.08	6.62
28 46 13 31-2190	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	94.08	6.62
28 46 13 31-2191	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	132.97	6.62
28 46 13 31-2192	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	141.71	6.62
28 46 13 31-2193	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	172.30	6.62
28 46 13 31-2194	EA	Stopper II, Weather Gasket (STI-3002)	22.82	6.62
28 46 13 31-2195	EA	Large, Break Glass Stopper (STI-4100)	93.21	6.62
28 46 13 31-2196	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	89.28	6.62
28 46 13 31-2197	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	85.56	6.62
28 46 13 31-2198	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	261.43	6.62
28 46 13 31-2199	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	3,910.75	6.62
28 46 13 31-2200	EA	Stainless Steel Guard (STI-9604SS)	56.07	6.62
28 46 13 31-2201	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	48.42	6.62

28 46 13 31-2202 System Sensor Fire Alarm *(28 46 13 31)*

28 46 13 31-2203 Smoke Detectors *(28 46 13 31-2202)*

28 46 13 31-2204	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	55.33	2.21
28 46 13 31-2205	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	259.57	2.21
28 46 13 31-2206	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	243.24	22.08
28 46 13 31-2207	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	155.71	22.08
28 46 13 31-2208	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	111.09	22.08
28 46 13 31-2209	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	136.03	16.56
28 46 13 31-2210	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	116.36	16.56
28 46 13 31-2211	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	147.12	16.56
28 46 13 31-2212	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	139.60	16.56
28 46 13 31-2213	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	127.80	16.56
28 46 13 31-2214	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	152.66	16.56
28 46 13 31-2215	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	217.66	16.56
28 46 13 31-2216	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	121.19	11.04
28 46 13 31-2217	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	145.11	11.04
28 46 13 31-2218	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	287.92	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2219	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	84.55	5.52
28 46 13 31-2220	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	140.94	16.56
28 46 13 31-2221		**Duct Smoke Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2222	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	332.89	16.56
28 46 13 31-2223	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	329.45	16.56
28 46 13 31-2224	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	443.70	18.77
28 46 13 31-2225	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	216.59	11.04
28 46 13 31-2226	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	57.53	3.31
28 46 13 31-2227	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	188.14	8.83
28 46 13 31-2228	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	318.41	11.04
28 46 13 31-2229	EA	1' Steel Sampling Tube (System Sensor DST1)	23.59	4.42
28 46 13 31-2230	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	27.48	4.42
28 46 13 31-2231	EA	3' Steel Sampling Tube (System Sensor DST3)	33.37	4.42
28 46 13 31-2232	EA	5' Steel Sampling Tube (System Sensor DST5)	43.50	5.52
28 46 13 31-2233	EA	10' Steel Sampling Tube (System Sensor DST10)	70.34	6.62
28 46 13 31-2234	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	29.08	4.42
28 46 13 31-2235	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	84.27	5.52
28 46 13 31-2236	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2237	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2238		**Heat Detectors** *(28 46 13 31-2202)*		
28 46 13 31-2239	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	66.37	16.56
28 46 13 31-2240	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	60.24	16.56
28 46 13 31-2241	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	80.60	16.56
28 46 13 31-2242	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	80.60	16.56
28 46 13 31-2243	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	94.41	16.56
28 46 13 31-2244	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	94.41	16.56
28 46 13 31-2245		**Horns** *(28 46 13 31-2202)*		
28 46 13 31-2246	EA	Red, Mini Horn (System Sensor MHR)	69.45	16.56
28 46 13 31-2247	EA	White, Mini Horn (System Sensor MHW)	69.45	16.56
28 46 13 31-2248	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	71.22	16.56
28 46 13 31-2249	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	97.37	18.77
28 46 13 31-2250	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	71.22	16.56
28 46 13 31-2251	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	136.03	16.56
28 46 13 31-2252	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	71.79	16.56
28 46 13 31-2253	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	71.79	16.56
28 46 13 31-2254		**Wall Mounted Horns/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2255	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	118.93	16.56
28 46 13 31-2256	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	173.24	16.56
28 46 13 31-2257	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	197.71	18.77
28 46 13 31-2258	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	191.42	18.77
28 46 13 31-2259	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	203.72	18.77
28 46 13 31-2260	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	196.85	18.77
28 46 13 31-2261	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	183.41	18.77
28 46 13 31-2262	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	158.69	16.56
28 46 13 31-2263	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	114.93	16.56
28 46 13 31-2264	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	118.93	16.56
28 46 13 31-2265	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	174.94	16.56
28 46 13 31-2266	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	189.13	18.77
28 46 13 31-2267	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	191.42	18.77
28 46 13 31-2268	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	173.24	16.56
28 46 13 31-2269	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	205.43	18.77
28 46 13 31-2270	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	183.41	18.77
28 46 13 31-2271	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	114.07	16.56
28 46 13 31-2272	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	154.97	16.56
28 46 13 31-2273	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	193.03	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2274	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	224.36	18.77
28 46 13 31-2275	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	177.69	18.77
28 46 13 31-2276	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	154.97	16.56
28 46 13 31-2277	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	228.91	18.77
28 46 13 31-2278	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	191.99	18.77
28 46 13 31-2279	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	204.74	16.56
28 46 13 31-2280	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	204.74	16.56
28 46 13 31-2281	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	118.36	16.56
28 46 13 31-2282	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	118.36	16.56

28 46 13 31-2283 Ceiling Mounted Horns/Strobes *(28 46 13 31-2202)*

28 46 13 31-2284	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	121.79	16.56
28 46 13 31-2285	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	176.65	16.56
28 46 13 31-2286	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	189.13	18.77
28 46 13 31-2287	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	181.69	18.77
28 46 13 31-2288	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	164.69	16.56
28 46 13 31-2289	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	121.79	16.56
28 46 13 31-2290	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	176.65	16.56
28 46 13 31-2291	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	189.13	18.77
28 46 13 31-2292	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	176.65	16.56
28 46 13 31-2293	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	181.69	18.77
28 46 13 31-2294	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	162.98	16.56
28 46 13 31-2295	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	156.40	16.56
28 46 13 31-2296	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	193.03	16.56
28 46 13 31-2297	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	156.40	16.56

28 46 13 31-2298 Wall Mounted Strobes *(28 46 13 31-2202)*

28 46 13 31-2299	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	62.41	5.52
28 46 13 31-2300	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	139.47	5.52
28 46 13 31-2301	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	101.48	16.56
28 46 13 31-2302	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	151.87	16.56
28 46 13 31-2303	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	191.11	18.77
28 46 13 31-2304	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	187.94	18.77
28 46 13 31-2305	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	162.81	18.77
28 46 13 31-2306	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	134.78	18.77
28 46 13 31-2307	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	100.05	16.56
28 46 13 31-2308	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	100.91	16.56
28 46 13 31-2309	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	114.35	16.56
28 46 13 31-2310	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	151.02	16.56
28 46 13 31-2311	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	161.27	16.56
28 46 13 31-2312	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	159.57	16.56
28 46 13 31-2313	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	159.57	16.56
28 46 13 31-2314	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	166.25	18.77
28 46 13 31-2315	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	163.67	18.77
28 46 13 31-2316	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	165.67	18.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2317	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	169.10	18.77
28 46 13 31-2318	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	161.38	18.77
28 46 13 31-2319	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	162.53	18.77
28 46 13 31-2320	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	99.77	16.56
28 46 13 31-2321	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	20.15	2.21
28 46 13 31-2322	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	20.15	2.21
28 46 13 31-2323	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	20.15	2.21
28 46 13 31-2324	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	20.15	2.21
28 46 13 31-2325	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	103.77	16.56
28 46 13 31-2326	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	100.62	16.56
28 46 13 31-2327	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	20.15	2.21
28 46 13 31-2328	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	20.15	2.21
28 46 13 31-2329	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	20.15	2.21
28 46 13 31-2330	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	20.15	2.21
28 46 13 31-2331	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	179.63	16.56
28 46 13 31-2332	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	179.63	16.56

28 46 13 31-2333 Ceiling Mounted Strobes *(28 46 13 31-2202)*

28 46 13 31-2334	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	104.63	16.56
28 46 13 31-2335	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	155.03	16.56
28 46 13 31-2336	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	191.11	18.77
28 46 13 31-2337	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	191.11	18.77
28 46 13 31-2338	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	104.63	16.56
28 46 13 31-2339	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	116.07	16.56
28 46 13 31-2340	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	164.69	16.56
28 46 13 31-2341	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	163.67	18.77
28 46 13 31-2342	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	161.38	18.77
28 46 13 31-2343	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	139.06	16.56
28 46 13 31-2344	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	20.15	2.21
28 46 13 31-2345	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	20.15	2.21
28 46 13 31-2346	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	20.15	2.21
28 46 13 31-2347	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	20.15	2.21

28 46 13 31-2348 Wall Mounted Speakers *(28 46 13 31-2202)*

28 46 13 31-2349	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	366.07	16.56
28 46 13 31-2350	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	78.31	16.56
28 46 13 31-2351	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	161.84	16.56
28 46 13 31-2352	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	116.48	18.77
28 46 13 31-2353	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	112.28	16.56
28 46 13 31-2354	EA	White, Wall Mounted Speaker (System Sensor SPWL)	78.31	16.56
28 46 13 31-2355	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	165.10	18.77
28 46 13 31-2356	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	95.93	16.56

28 46 13 31-2357 Ceiling Mounted Speakers *(28 46 13 31-2202)*

28 46 13 31-2358	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	75.17	16.56
28 46 13 31-2359	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	176.41	16.56
28 46 13 31-2360	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	112.28	16.56
28 46 13 31-2361	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	77.74	16.56
28 46 13 31-2362	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	118.56	16.56
28 46 13 31-2363	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	166.25	18.77

28 46 13 31-2364 Wall Mounted Speakers/Strobes *(28 46 13 31-2202)*

28 46 13 31-2365	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	137.47	5.52
28 46 13 31-2366	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	58.98	5.52
28 46 13 31-2367	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	164.70	16.56
28 46 13 31-2368	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	212.03	16.56
28 46 13 31-2369	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	297.19	18.77
28 46 13 31-2370	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	254.35	18.77
28 46 13 31-2371	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	206.86	18.77

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28 46 13 31-2372	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	162.12	16.56
28 46 13 31-2373	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	202.53	16.56
28 46 13 31-2374	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	165.84	16.56
28 46 13 31-2375	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	258.35	18.77
28 46 13 31-2376	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	164.70	16.56
28 46 13 31-2377	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	226.21	16.56
28 46 13 31-2378	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	226.21	16.56
28 46 13 31-2379	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	269.79	18.77
28 46 13 31-2380	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	253.20	18.77
28 46 13 31-2381	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	160.98	16.56
28 46 13 31-2382	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	215.95	16.56
28 46 13 31-2383	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	215.95	16.56
28 46 13 31-2384	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	167.39	18.77
28 46 13 31-2385		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2202)*		
28 46 13 31-2386	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	149.25	16.56
28 46 13 31-2387	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	215.20	16.56
28 46 13 31-2388	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	202.53	16.56
28 46 13 31-2389	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	149.25	16.56
28 46 13 31-2390	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	163.55	16.56
28 46 13 31-2391	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	226.21	16.56
28 46 13 31-2392	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	271.51	18.77
28 46 13 31-2393	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	226.21	16.56
28 46 13 31-2394	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	258.92	18.77
28 46 13 31-2395	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	269.79	18.77
28 46 13 31-2396	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	149.25	16.56
28 46 13 31-2397	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	215.95	16.56
28 46 13 31-2398	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	226.21	16.56
28 46 13 31-2399	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	215.95	16.56
28 46 13 31-2400	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	225.96	16.56
28 46 13 31-2401		**Electric Alarm Bells** *(28 46 13 31-2202)*		
28 46 13 31-2402	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	111.78	16.56
28 46 13 31-2403	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	125.80	16.56
28 46 13 31-2404	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	141.24	16.56
28 46 13 31-2405		**Device Bases** *(28 46 13 31-2202)*		
28 46 13 31-2406	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	114.30	5.52
28 46 13 31-2407	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	110.01	5.52
28 46 13 31-2408	EA	Intelligent Isolator Base (System Sensor B224BI)	86.84	5.52
28 46 13 31-2409	EA	Intelligent Relay Base (System Sensor B224RB)	87.98	5.52
28 46 13 31-2410	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	46.74	5.52
28 46 13 31-2411	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	114.30	5.52
28 46 13 31-2412	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	110.01	5.52
28 46 13 31-2413	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	174.65	5.52
28 46 13 31-2414	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	174.65	5.52
28 46 13 31-2415	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	168.36	5.52
28 46 13 31-2416	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	130.30	5.52
28 46 13 31-2417	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	107.43	5.52
28 46 13 31-2418	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	86.84	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2419	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	79.98	5.52
28 46 13 31-2420	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	87.98	5.52
28 46 13 31-2421	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	81.41	5.52
28 46 13 31-2422	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	46.74	5.52
28 46 13 31-2423	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	46.74	5.52
28 46 13 31-2424	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	39.30	5.52
28 46 13 31-2425	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	178.09	5.52
28 46 13 31-2426	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	178.09	5.52
28 46 13 31-2427	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	170.65	5.52
28 46 13 31-2428	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	32.49	5.52
28 46 13 31-2429	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	39.64	5.52
28 46 13 31-2430	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	39.23	5.52
28 46 13 31-2431	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	96.12	6.62

28 46 13 31-2432 Boxes, Plates And Decals *(28 46 13 31-2202)*

28 46 13 31-2433	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	39.87	5.52
28 46 13 31-2434	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	70.88	5.52
28 46 13 31-2435	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	79.12	5.52
28 46 13 31-2436	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	70.88	5.52
28 46 13 31-2437	EA	Red Retrofit Plate (System Sensor RFP)	29.73	3.31
28 46 13 31-2438	EA	White Retrofit Plate (System Sensor RFPW)	29.39	3.31
28 46 13 31-2439	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	56.58	5.52
28 46 13 31-2440	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	66.42	5.52
28 46 13 31-2441	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	40.56	5.52
28 46 13 31-2442	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	40.56	5.52
28 46 13 31-2443	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	32.21	5.52
28 46 13 31-2444	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	38.50	5.52
28 46 13 31-2445	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	38.50	5.52
28 46 13 31-2446	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	32.21	5.52
28 46 13 31-2447	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	38.38	5.52
28 46 13 31-2448	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	32.49	5.52
28 46 13 31-2449	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	10.96	2.21
28 46 13 31-2450	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	20.38	
28 46 13 31-2451	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	29.55	
28 46 13 31-2452	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	20.38	
28 46 13 31-2453	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	29.55	
28 46 13 31-2454	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	13.05	2.21
28 46 13 31-2455	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	13.05	2.21
28 46 13 31-2456	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	13.05	2.21
28 46 13 31-2457	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	13.05	2.21
28 46 13 31-2458	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	32.21	5.52
28 46 13 31-2459	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	32.21	5.52
28 46 13 31-2460	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	17.58	2.21
28 46 13 31-2461	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	17.58	2.21
28 46 13 31-2462	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	17.58	2.21
28 46 13 31-2463	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	17.58	2.21
28 46 13 31-2464	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	17.58	2.21
28 46 13 31-2465	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	17.58	2.21
28 46 13 31-2466	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	17.58	2.21
28 46 13 31-2467	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	17.58	2.21
28 46 13 31-2468	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	17.58	2.21
28 46 13 31-2469	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	17.58	2.21
28 46 13 31-2470	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	17.58	2.21
28 46 13 31-2471	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	17.58	2.21
28 46 13 31-2472	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	19.98	2.21
28 46 13 31-2473	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	19.98	2.21
28 46 13 31-2474	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	19.98	2.21
28 46 13 31-2475	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	19.98	2.21
28 46 13 31-2476	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	19.98	2.21
28 46 13 31-2477	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	17.58	2.21
28 46 13 31-2478	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	17.58	2.21
28 46 13 31-2479	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	17.58	2.21
28 46 13 31-2480	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	17.58	2.21
28 46 13 31-2481	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	17.58	2.21
28 46 13 31-2482	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	17.58	2.21
28 46 13 31-2483	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	19.98	2.21
28 46 13 31-2484	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	19.98	2.21
28 46 13 31-2485	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	19.98	2.21
28 46 13 31-2486	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	19.98	2.21
28 46 13 31-2487	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	19.98	2.21
28 46 13 31-2488	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	17.58	2.21
28 46 13 31-2489	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	17.58	2.21
28 46 13 31-2490	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2491	EA	Control Module Barrier (System Sensor CB500)	26.30	3.31
28 46 13 31-2492	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	23.21	3.31
28 46 13 31-2493	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	30.59	3.31
28 46 13 31-2494	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	148.49	3.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2495	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	221.15	3.31
28 46 13 31-2496	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	221.15	3.31
28 46 13 31-2497	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	16.75	3.31
28 46 13 31-2498	EA	Black Faceplate (System Sensor FP-BLACK-BP)	15.92	3.31
28 46 13 31-2499	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	16.35	3.31
28 46 13 31-2500	EA	White Faceplate (System Sensor FP-WHITE-BP)	14.94	3.31
28 46 13 31-2501	EA	White, Back Box (System Sensor SMB500-WH)	29.52	5.52
28 46 13 31-2502	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	11.57	2.21
28 46 13 31-2503	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	19.92	2.21
28 46 13 31-2504	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	17.69	3.31
28 46 13 31-2505	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	17.58	2.21
28 46 13 31-2506	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	19.98	2.21
28 46 13 31-2507	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	19.98	2.21
28 46 13 31-2508	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	19.98	2.21
28 46 13 31-2509	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	19.98	2.21
28 46 13 31-2510	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	19.98	2.21
28 46 13 31-2511	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	17.58	2.21
28 46 13 31-2512	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	17.58	2.21
28 46 13 31-2513	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	17.58	2.21
28 46 13 31-2514	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	57.03	5.52
28 46 13 31-2515	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	132.61	5.52

28 46 13 31-2516 Chimes *(28 46 13 31-2202)*

28 46 13 31-2517	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	128.55	16.56
28 46 13 31-2518	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	105.77	16.56

28 46 13 31-2519 Chime/Strobes *(28 46 13 31-2202)*

28 46 13 31-2520	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	181.86	16.56
28 46 13 31-2521	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	181.86	16.56
28 46 13 31-2522	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	183.58	16.56
28 46 13 31-2523	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	183.58	16.56

28 46 13 31-2524 Carbon Monoxide Detectors *(28 46 13 31-2202)*

28 46 13 31-2525	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	244.44	22.08
28 46 13 31-2526	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	179.57	16.56
28 46 13 31-2527	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	11.33	2.21
28 46 13 31-2528	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	299.71	16.56
28 46 13 31-2529	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	190.61	22.08
28 46 13 31-2530	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	312.29	16.56

28 46 13 31-2531 Switches *(28 46 13 31-2202)*

28 46 13 31-2532	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	186.99	8.83
28 46 13 31-2533	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	212.74	8.83
28 46 13 31-2534	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	186.99	8.83
28 46 13 31-2535	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	212.74	8.83
28 46 13 31-2536	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	196.15	8.83
28 46 13 31-2537	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	181.27	8.83

28 46 13 31-2538 Low Frequency Sounders *(28 46 13 31-2202)*

28 46 13 31-2539	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	166.40	16.56
28 46 13 31-2540	EA	White, Low Frequency Sounder (System Sensor HW-LF)	166.40	16.56
28 46 13 31-2541	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	137.52	16.56
28 46 13 31-2542	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	137.52	16.56
28 46 13 31-2543	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	136.09	16.56
28 46 13 31-2544	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	136.09	16.56

28 46 13 31-2545 Sync Modules *(28 46 13 31-2202)*

28 46 13 31-2546	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	133.63	11.04
28 46 13 31-2547	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	130.77	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2548		**Relays** *(28 46 13 31-2202)*		
28 46 13 31-2549	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	65.94	8.83
28 46 13 31-2550	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	43.19	5.52
28 46 13 31-2551	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	165.50	5.52
28 46 13 31-2552	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	116.30	5.52
28 46 13 31-2553	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	73.61	8.83
28 46 13 31-2554	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	45.25	5.52
28 46 13 31-2555	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	188.96	5.52
28 46 13 31-2556	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	136.04	5.52
28 46 13 31-2557	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	34.84	5.52
28 46 13 31-2558	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	34.84	5.52
28 46 13 31-2559	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	34.84	5.52
28 46 13 31-2560		**Remote Annunciator** *(28 46 13 31-2202)*		
28 46 13 31-2561	EA	Remote Annunciator (System Sensor RA100Z)	69.16	16.56
28 46 13 31-2562	EA	Remote LED Annunciator (System Sensor RA100ZA)	66.25	16.56
28 46 13 31-2563	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	98.65	16.56
28 46 13 31-2564		**Remote Test Station** *(28 46 13 31-2202)*		
28 46 13 31-2565	EA	Remote Test Station With Key (System Sensor RTS151KEY)	143.53	16.56
28 46 13 31-2566		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2567	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	714.48	22.08
28 46 13 31-2568		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2569		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2570	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	207.70	16.56
28 46 13 31-2571		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2572	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	207.70	16.56
28 46 13 31-2573	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	207.70	16.56
28 46 13 31-2574		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2575	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	113.39	16.56
28 46 13 31-2576	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	137.81	16.56
28 46 13 31-2577		**Wall Mounted Horns/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2578	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	117.12	16.56
28 46 13 31-2579	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	227.91	16.56
28 46 13 31-2580	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	177.86	16.56
28 46 13 31-2581	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	177.86	16.56
28 46 13 31-2582	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	212.54	16.56
28 46 13 31-2583	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	138.40	16.56
28 46 13 31-2584	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	136.20	16.56
28 46 13 31-2585	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	148.51	18.77
28 46 13 31-2586	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	116.25	16.56
28 46 13 31-2587	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	116.25	16.56
28 46 13 31-2588	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	135.33	16.56
28 46 13 31-2589	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	177.86	16.56
28 46 13 31-2590	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	177.86	16.56
28 46 13 31-2591		**Ceiling Mounted Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2592	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	105.50	16.56
28 46 13 31-2593	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	105.50	16.56
28 46 13 31-2594	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	118.93	16.56
28 46 13 31-2595	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	98.92	16.56
28 46 13 31-2596	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	116.90	16.56
28 46 13 31-2597	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	118.44	16.56
28 46 13 31-2598	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	119.10	16.56
28 46 13 31-2599	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	127.80	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2600		**Wall Mounted Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2601	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	191.47	16.56
28 46 13 31-2602	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	141.91	16.56
28 46 13 31-2603	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	168.11	16.56
28 46 13 31-2604	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	103.74	16.56
28 46 13 31-2605	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	103.74	16.56
28 46 13 31-2606	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	115.15	16.56
28 46 13 31-2607	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	114.73	18.77
28 46 13 31-2608	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	100.01	16.56
28 46 13 31-2609	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	100.01	16.56
28 46 13 31-2610	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	130.50	16.56
28 46 13 31-2611	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	105.72	16.56
28 46 13 31-2612	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	135.93	18.77
28 46 13 31-2613	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	141.53	16.56
28 46 13 31-2614		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2615	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	141.91	16.56
28 46 13 31-2616	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	141.91	16.56
28 46 13 31-2617	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	141.91	16.56
28 46 13 31-2618	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	144.10	16.56
28 46 13 31-2619	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	156.38	16.56
28 46 13 31-2620	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	173.49	16.56
28 46 13 31-2621	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	173.49	16.56
28 46 13 31-2622	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	145.85	16.56
28 46 13 31-2623	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	166.41	16.56
28 46 13 31-2624	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	180.14	16.56
28 46 13 31-2625	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	193.87	16.56
28 46 13 31-2626		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2568)*		
28 46 13 31-2627	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	256.96	16.56
28 46 13 31-2628	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	256.96	16.56
28 46 13 31-2629	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	156.38	16.56
28 46 13 31-2630	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	156.38	16.56
28 46 13 31-2631	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	141.91	16.56
28 46 13 31-2632	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	138.40	16.56
28 46 13 31-2633	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	156.38	16.56
28 46 13 31-2634	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	156.38	16.56
28 46 13 31-2635	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	253.54	16.56
28 46 13 31-2636	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	144.10	16.56
28 46 13 31-2637	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	142.35	16.56
28 46 13 31-2638	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	245.86	16.56
28 46 13 31-2639	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	253.54	16.56
28 46 13 31-2640	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	173.49	16.56
28 46 13 31-2641	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	173.49	16.56
28 46 13 31-2642	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	272.48	18.77
28 46 13 31-2643	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	125.68	16.56
28 46 13 31-2644	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	119.10	16.56
28 46 13 31-2645	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	180.14	16.56
28 46 13 31-2646	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	193.87	16.56
28 46 13 31-2647	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	199.02	16.56
28 46 13 31-2648	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	207.60	16.56
28 46 13 31-2649	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	213.90	16.56
28 46 13 31-2650	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	209.89	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2651	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	207.60	16.56
28 46 13 31-2652		**Electric Alarm Bells** *(28 46 13 31-2568)*		
28 46 13 31-2653	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	136.64	16.56
28 46 13 31-2654	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	129.62	16.56
28 46 13 31-2655	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	176.56	16.56
28 46 13 31-2656	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,788.64	18.77
28 46 13 31-2657	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	2,932.65	18.77
28 46 13 31-2658	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,412.25	18.77
28 46 13 31-2659	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	96.94	16.56
28 46 13 31-2660	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	152.11	16.56
28 46 13 31-2661	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	99.58	16.56
28 46 13 31-2662	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	150.11	16.56
28 46 13 31-2663		**Horns** *(28 46 13 31-2568)*		
28 46 13 31-2664	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	101.47	16.56
28 46 13 31-2665	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	72.25	16.56
28 46 13 31-2666	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	72.25	16.56
28 46 13 31-2667	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	73.21	16.56
28 46 13 31-2668	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	73.21	16.56
28 46 13 31-2669	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	56.98	16.56
28 46 13 31-2670	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	56.98	16.56
28 46 13 31-2671	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	73.21	16.56
28 46 13 31-2672	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	98.34	16.56
28 46 13 31-2673		**Speakers** *(28 46 13 31-2568)*		
28 46 13 31-2674	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	76.02	16.56
28 46 13 31-2675	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	76.02	16.56
28 46 13 31-2676	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	76.02	16.56
28 46 13 31-2677	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	74.09	16.56
28 46 13 31-2678	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	76.02	16.56
28 46 13 31-2679	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	76.02	16.56
28 46 13 31-2680	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	76.02	16.56
28 46 13 31-2681	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	76.02	16.56
28 46 13 31-2682	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	97.16	16.56
28 46 13 31-2683	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	97.16	16.56
28 46 13 31-2684	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	98.92	16.56
28 46 13 31-2685	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	151.54	16.56
28 46 13 31-2686	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	131.52	16.56
28 46 13 31-2687	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	234.90	16.56
28 46 13 31-2688	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	234.90	16.56
28 46 13 31-2689	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	151.54	16.56
28 46 13 31-2690	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	153.83	16.56
28 46 13 31-2691	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	131.52	16.56
28 46 13 31-2692	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	222.48	16.56
28 46 13 31-2693	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	145.25	16.56
28 46 13 31-2694		**Sync Modules** *(28 46 13 31-2568)*		
28 46 13 31-2695	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	155.36	11.04
28 46 13 31-2696		**Boxes, Plates And Rings** *(28 46 13 31-2568)*		
28 46 13 31-2697	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	20.65	5.52
28 46 13 31-2698	EA	Standard 4" Square Box (Wheelock BB-STD)	19.96	5.52
28 46 13 31-2699	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	206.86	11.04
28 46 13 31-2700	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	206.86	11.04
28 46 13 31-2701	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	158.39	8.83
28 46 13 31-2702	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	13.02	2.21
28 46 13 31-2703	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	13.02	2.21
28 46 13 31-2704	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	31.04	5.52
28 46 13 31-2705	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	28.24	5.52
28 46 13 31-2706	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	31.04	5.52
28 46 13 31-2707	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	31.04	5.52
28 46 13 31-2708	EA	4" Square Back Box (Wheelock DBB-R)	22.44	5.52
28 46 13 31-2709	EA	Red, Surface Back Box (Wheelock IOB-R)	29.20	5.52
28 46 13 31-2710	EA	White, Surface, Back Box (Wheelock IOB-W)	29.20	5.52
28 46 13 31-2711	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	12.10	2.21
28 46 13 31-2712	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	18.94	2.21
28 46 13 31-2713	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	18.94	2.21
28 46 13 31-2714	EA	Red Retrofit Plate (Wheelock RP-R)	15.82	2.21
28 46 13 31-2715	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	33.37	2.21
28 46 13 31-2716	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	31.48	5.52
28 46 13 31-2717	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	32.10	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2718	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	35.34	5.52
28 46 13 31-2719	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	20.23	2.21
28 46 13 31-2720	EA	White, Semi-Flush Plate (Wheelock SFB-W)	20.23	2.21
28 46 13 31-2721	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	25.38	5.52
28 46 13 31-2722	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	25.38	5.52
28 46 13 31-2723	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	21.62	2.21
28 46 13 31-2724	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	30.69	5.52
28 46 13 31-2725	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	30.69	5.52
28 46 13 31-2726	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	30.69	5.52
28 46 13 31-2727	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	28.28	2.21
28 46 13 31-2728	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	28.28	2.21
28 46 13 31-2729	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	28.28	2.21
28 46 13 31-2730	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	28.28	2.21
28 46 13 31-2731	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	16.95	2.21
28 46 13 31-2732	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	42.16	5.52
28 46 13 31-2733	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	37.13	5.52
28 46 13 31-2734	EA	Red Plate For RSS (Wheelock RSSCP-R)	12.10	2.21
28 46 13 31-2735	EA	White Plate For RSS (Wheelock RSSCP-W)	12.10	2.21
28 46 13 31-2736	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	13.02	2.21
28 46 13 31-2737	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	13.02	2.21
28 46 13 31-2738	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	12.49	2.21
28 46 13 31-2739	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	141.72	2.21
28 46 13 31-2740	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	126.27	2.21
28 46 13 31-2741	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	123.98	2.21
28 46 13 31-2742	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	126.27	2.21
28 46 13 31-2743	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	15.12	2.21
28 46 13 31-2744	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	14.43	2.21
28 46 13 31-2745	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	15.63	2.21
28 46 13 31-2746	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	15.63	2.21
28 46 13 31-2747	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	14.43	2.21
28 46 13 31-2748	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	15.52	2.21
28 46 13 31-2749	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	15.52	2.21
28 46 13 31-2750	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	14.43	2.21
28 46 13 31-2751	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	14.43	2.21
28 46 13 31-2752	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	23.13	2.21
28 46 13 31-2753	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	23.47	2.21
28 46 13 31-2754	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	16.95	2.21
28 46 13 31-2755	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	15.63	2.21
28 46 13 31-2756	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	16.95	2.21
28 46 13 31-2757	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	42.16	5.52
28 46 13 31-2758	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	37.13	5.52
28 46 13 31-2759	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	37.13	5.52
28 46 13 31-2760		**Manual Pull Station** *(28 46 13 31-2568)*		
28 46 13 31-2761	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	101.39	11.04
28 46 13 31-2762	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	101.39	11.04
28 46 13 31-2763	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,219.72	11.04
28 46 13 31-2764		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2765	EA	18 Point Lockable Fire Alarm Terminal Cabinet	182.97	22.23
28 46 13 31-2766	EA	32 Point Lockable Fire Alarm Terminal Cabinet	266.11	22.23
28 46 13 31-2767	EA	64 Point Lockable Fire Alarm Terminal Cabinet	432.35	22.23
28 46 13 31-2768	EA	128 Point Lockable Fire Alarm Terminal Cabinet	598.55	22.23
28 46 13 31-2769		**Test And Certification Of Fire Alarm System To Tie In To Existing Systems** *(28 46 13 31)*		
28 46 13 31-2770	DAY	Test And Certification Of Fire Alarm System To Tie Into Existing Systems	346.07	
28 46 13 31-2771	HR	Test And Certification Of Fire Alarm System To Tie In To Existing Systems	108.15	
28 46 13 31-2772		**Programming Of Existing Fire Alarm System** *(28 46 13 31)*		
28 46 13 31-2773	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	86.52	
28 46 13 31-2774		**Removal And Reinstallation Of Smoke Detector** *(28 46 13 31)* Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2775	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	61.82	
28 46 13 31-2776	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	49.68	
28 46 13 31-2777		**Kidde Fire Safety Equipment** *(28 46 13 31)*		
28 46 13 31-2778		**Smoke Detectors** *(28 46 13 31-2777)*		
28 46 13 31-2779	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	105.71	16.56
28 46 13 31-2780	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	85.23	16.56
28 46 13 31-2781	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	96.19	16.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2782		Potter Fire Alarm *(28 46 13 31)*		
28 46 13 31-2783		Electric Alarm Bells *(28 46 13 31-2782)*		
28 46 13 31-2784	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	74.22	16.56
28 46 13 31-2785	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	87.20	16.56
28 46 13 31-2786	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	93.69	16.56
28 46 13 31-2787	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	74.22	16.56
28 46 13 31-2788	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	87.20	16.56
28 46 13 31-2789	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	93.69	16.56
28 46 13 31-2790	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	85.24	16.56
28 46 13 31-2791	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	91.46	16.56
28 46 13 31-2792	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	128.16	16.56
28 46 13 31-2793	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	76.09	16.56
28 46 13 31-2794	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	91.46	16.56
28 46 13 31-2795	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	104.32	16.56
28 46 13 31-2796		Manual Pull Station *(28 46 13 31-2782)*		
28 46 13 31-2797	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	58.87	11.04
28 46 13 31-2798	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	64.77	11.04
28 46 13 31-2799	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	131.10	11.04
28 46 13 31-2800	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	68.43	11.04
28 46 13 31-2801	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	62.21	11.04
28 46 13 31-2802	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	151.85	11.04
28 46 13 31-2803	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	201.33	11.04
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	5.11	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	5.63	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	5.63	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	6.14	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	5.78	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	6.30	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	46.22	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	23.81	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	5.80	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	5.80	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	5.60	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	8.86	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	9.55	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.66	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.27	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.31	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)*		
		See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 15		**Mass Notification Control Panels** *(28 47)*		
28 47 15 00-0001		Central Station Controls *(28 47 15)*		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	992.25	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,624.17	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,828.58	22.08
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,457.40	11.04
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,556.22	44.16
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	791.00	11.04
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	851.72	11.04
28 47 17		**Notification Devices and Methods** *(28 47)*		
28 47 17 17		**Notification Appliances and Methods Public Methods** *(28 47 17)*		
28 47 17 17-0001		Voice Capable Omni-Directional Speakers *(28 47 17 17)*		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	12,225.65	358.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	15,273.20	374.40
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	18,281.97	390.00
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	21,290.76	405.60
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	24,377.06	421.20
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	29,595.62	436.81
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,643.16	452.40
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	36,323.93	468.00
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	39,332.70	483.60
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	42,380.24	499.20
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	28,432.58	436.81
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,355.84	452.40
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	501.48	11.04
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,244.78	11.04
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,244.78	11.04
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,025.10	11.04
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,960.48	11.04
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	460.29	11.04
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	601.02	11.04
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	626.19	11.04
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,215.83	11.04
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,464.47	11.04
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,464.47	11.04
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,464.47	11.04
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	851.72	11.04
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	577.41	11.04
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	371.05	11.04
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	271.50	11.04
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	127.91	11.04
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,108.29	16.56
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	9,242.72	343.20
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,358.21	66.24
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,281.67	16.56
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,281.67	16.56
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,281.67	16.56
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,281.67	16.56
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,281.67	16.56
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	751.65	16.56
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	751.65	16.56
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	751.65	16.56
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	574.30	16.56
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	574.30	16.56
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	574.30	16.56
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	574.30	16.56
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	574.30	16.56
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	865.93	11.04
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	631.91	11.04
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	631.91	11.04
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	374.86	16.56
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	399.53	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	892.78	11.04
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	427.11	11.04
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	127.91	11.04
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	882.48	11.04

28 47 17 17-0058 Tone Only, Omni-Alert Sirens *(28 47 17 17)*

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	9,591.64	343.20
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	12,354.88	358.80
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	15,092.28	374.40
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	17,894.29	390.00
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	283.12	11.04
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	501.48	11.04
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,244.78	11.04
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,244.78	11.04
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,025.10	11.04
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,960.48	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	396.22	11.04
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	675.97	11.04
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	704.40	11.04
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,464.47	11.04
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,464.47	11.04
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,464.47	11.04
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,464.47	11.04
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	851.72	11.04
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	371.05	11.04
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	427.11	11.04
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	209.72	11.04
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,358.21	66.24
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	888.94	16.56

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	21,549.21	405.60
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,903.87	421.20
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	253.20	11.04
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	563.54	11.04
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,244.78	11.04
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,244.78	11.04
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,025.10	11.04
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,960.48	11.04
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	396.22	11.04
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	661.75	11.04
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	704.40	11.04
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,464.47	11.04
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,464.47	11.04
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,464.47	11.04
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,464.47	11.04
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	851.72	11.04
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	479.54	11.04
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	371.05	11.04
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	209.72	11.04
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	675.97	11.04
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,358.21	66.24
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	888.94	16.56
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,808.74	

28 47 17 17-0106 Uni-Directional Rotating Speakers *(28 47 17 17)*

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	13,207.78	358.80
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	253.20	11.04
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	563.54	11.04
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,244.78	11.04
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,244.78	11.04
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,025.10	11.04
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,960.48	11.04
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	444.65	11.04
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	588.43	11.04
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	626.19	11.04
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,464.47	11.04
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,464.47	11.04
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,464.47	11.04
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,464.47	11.04
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	851.72	11.04
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	427.11	11.04
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	371.05	11.04
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	209.72	11.04
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,358.21	66.24
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	622.76	11.04
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	888.94	16.56

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System *(28 47 17 17)*

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	6,185.79	353.29
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	7,630.99	397.45
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	356.91	16.56
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	338.61	16.56
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	704.74	16.56
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	461.03	16.56
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	996.49	16.56
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,756.25	18.77
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	612.06	16.56
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	982.60	18.77
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	209.72	11.04

28 47 17 17-0140 Firehouse Siren *(28 47 17 17)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	253.20	11.04
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	396.22	11.04
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	661.75	11.04
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	626.19	11.04
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,464.47	11.04
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,464.47	11.04
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,464.47	11.04
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,464.47	11.04
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	371.05	11.04
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	209.72	11.04
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	4,358.21	66.24

28 47 17 17-0152 Alert Monitor And Message Display *(28 47 17 17)*

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,050.94	11.04
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,050.94	11.04
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,050.94	11.04
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,050.94	11.04
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	201.31	16.56
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	34.67	11.04
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	

28 47 17 17-0161 Portable Test Set *(28 47 17 17)*

28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,438.52	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,438.52	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,438.52	

28 47 17 17-0165 Replacement Warning Lights *(28 47 17 17)*

28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	346.54	17.66
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	346.54	17.66
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	346.54	17.66
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	346.54	17.66
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	346.54	17.66
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	377.43	17.66
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	222.97	17.66
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	372.85	17.66
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	372.85	17.66
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	372.85	17.66
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	346.54	17.66
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	346.54	17.66
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	346.54	17.66
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	346.54	17.66
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	346.54	17.66
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	395.74	17.66
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	395.74	17.66
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	234.41	17.66
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	234.41	17.66
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	234.41	17.66

28 47 17 17-0186 Antenna *(28 47 17 17)*

28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	290.57	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	205.00	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,777.53	

28 47 21 Mass Notification System Interfaces *(28 47)*

28 47 21 21 Notification Interfaces to Fire Detection and Alarm *(28 47 21)*

28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*

28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,104.10	110.40
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	450.01	8.83
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	384.71	11.04
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	397.80	11.04
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	187.08	11.04
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,249.99	22.08
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,029.01	5.52
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	933.33	22.08
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,661.05	22.08
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	2,679.15	22.08
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,312.29	11.04
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	379.93	11.04
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	61.18	11.04
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	39.56	4.42
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	739.21	4.42
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	141.03	4.42
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	252.45	11.04
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	334.78	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	239.09	11.04

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	23,771.96	356.24
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	199.85	
28 49 11 00-0004	EA	Lapel Reader	76.86	
28 49 11 00-0005	EA	IR Locator	226.52	13.34
28 49 11 00-0006	EA	Repeaters And Receivers	503.99	44.46

28 49 11 00-0007 Identipass Card Access Control System *(28 49 11)*

Note: Excludes wiring and programming.

28 49 11 00-0008	EA	Indala Proximity Keytags (IDENT ASC-116)	9.64	
28 49 11 00-0009	EA	Indala Flexcard Proximity Card, 26bit (IDENT ASC-121T)	5.63	
28 49 11 00-0010	EA	Communications Converter (IDENT F55-485/conv)	585.37	11.04
28 49 11 00-0011	EA	4-Door Controller (IDENT F55-9CTLR/6)	4,370.00	88.32
28 49 11 00-0012	EA	User Interface (IDENT F55-IPASSU)	2,485.07	22.08
28 49 11 00-0013	EA	Network Interface (IDENT F55-NETLINK)	619.96	22.08
28 49 11 00-0014	EA	4-Reader Expansion Board (IDENT F55-RDR/EXPD)	1,812.08	11.04
28 49 11 00-0015	EA	Remote Input/Output Board (IDENT F55-RIO/BRD)	2,801.66	55.20
28 49 11 00-0016	EA	Proximity Card Reader (IDENT F55-L/F 26SB)	526.43	44.16
28 49 11 00-0017	EA	Slimline Flexpass Proximity Card Reader (IDENT F60-L/F26SB)	526.43	44.16
28 49 11 00-0018	EA	Proximity Card Reader (IDENT F60 L/F 28WB)	526.43	44.16

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	256.77	26.68
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	306.83	31.12
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	310.05	31.12

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	201.02	16.67
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	207.58	13.34
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	67.26	13.34
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	157.76	13.34
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	190.11	13.34
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	223.69	13.34
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	331.63	13.34
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	378.07	13.34

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	107.86	13.34
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	184.99	13.34
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	259.45	13.34
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	318.17	4.45
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	191.88	13.34
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	236.41	13.34
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	439.35	13.34
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	179.63	13.34
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	266.13	4.45
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	421.56	4.45
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	431.12	4.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	573.84	4.45

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	35.02	
		For Up To 8, Add	*7.00*	
		For >8 To 16, Add	*3.50*	
		For >48 To 64, Deduct	*-2.47*	
		For >64 To 96, Deduct	*-4.22*	
		For >96 To 168, Deduct	*-5.97*	
		For >168 To 240, Deduct	*-7.21*	
		For >240, Deduct	*-8.44*	
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	46.64	
		For Up To 8, Add	*9.33*	
		For >8 To 16, Add	*4.66*	
		For >48 To 64, Deduct	*-3.05*	
		For >64 To 96, Deduct	*-5.38*	
		For >96 To 168, Deduct	*-7.72*	
		For >168 To 240, Deduct	*-9.24*	
		For >240, Deduct	*-10.77*	
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	61.85	
		For Up To 8, Add	*12.37*	
		For >8 To 16, Add	*6.19*	
		For >48 To 64, Deduct	*-3.81*	
		For >64 To 96, Deduct	*-6.91*	
		For >96 To 168, Deduct	*-10.00*	
		For >168 To 240, Deduct	*-11.90*	
		For >240, Deduct	*-13.81*	
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	52.80	
		For Up To 8, Add	*10.56*	
		For >8 To 16, Add	*5.28*	
		For >48 To 64, Deduct	*-3.36*	
		For >64 To 96, Deduct	*-6.00*	
		For >96 To 168, Deduct	*-8.64*	
		For >168 To 240, Deduct	*-10.32*	
		For >240, Deduct	*-12.00*	
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	96.90	
		For Up To 8, Add	*19.38*	
		For >8 To 16, Add	*9.69*	
		For >48 To 64, Deduct	*-5.57*	
		For >64 To 96, Deduct	*-10.41*	
		For >96 To 168, Deduct	*-15.26*	
		For >168 To 240, Deduct	*-18.04*	
		For >240, Deduct	*-20.82*	
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	38.78	
		For Up To 8, Add	*7.76*	
		For >8 To 16, Add	*3.88*	
		For >48 To 64, Deduct	*-2.66*	
		For >64 To 96, Deduct	*-4.60*	
		For >96 To 168, Deduct	*-6.54*	
		For >168 To 240, Deduct	*-7.87*	
		For >240, Deduct	*-9.20*	
31 05 13 00-0008	CY	Lime Rock Screening	36.26	
		For Up To 8, Add	*7.25*	
		For >8 To 16, Add	*3.63*	
		For >48 To 64, Deduct	*-2.53*	
		For >64 To 96, Deduct	*-4.35*	
		For >96 To 168, Deduct	*-6.16*	
		For >168 To 240, Deduct	*-7.43*	
		For >240, Deduct	*-8.69*	
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	36.26	
		For Up To 8, Add	*7.25*	
		For >8 To 16, Add	*3.63*	
		For >48 To 64, Deduct	*-2.53*	
		For >64 To 96, Deduct	*-4.35*	
		For >96 To 168, Deduct	*-6.16*	
		For >168 To 240, Deduct	*-7.43*	
		For >240, Deduct	*-8.69*	
31 05 13 00-0010	CY	Recycled Concrete Aggregate	32.46	
		For Up To 8, Add	*6.49*	
		For >8 To 16, Add	*3.25*	
		For >48 To 64, Deduct	*-2.34*	
		For >64 To 96, Deduct	*-3.97*	
		For >96 To 168, Deduct	*-5.59*	
		For >168 To 240, Deduct	*-6.76*	
		For >240, Deduct	*-7.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0011	CY	Recycled Asphalt Aggregate	44.65	
		For Up To 8, Add	*8.93*	
		For >8 To 16, Add	*4.47*	
		For >48 To 64, Deduct	*-2.95*	
		For >64 To 96, Deduct	*-5.19*	
		For >96 To 168, Deduct	*-7.42*	
		For >168 To 240, Deduct	*-8.89*	
		For >240, Deduct	*-10.37*	
31 05 13 00-0012	CY	Pit Run Clay	49.93	
		For Up To 8, Add	*9.99*	
		For >8 To 16, Add	*4.99*	
		For >48 To 64, Deduct	*-3.22*	
		For >64 To 96, Deduct	*-5.71*	
		For >96 To 168, Deduct	*-8.21*	
		For >168 To 240, Deduct	*-9.82*	
		For >240, Deduct	*-11.43*	
31 05 13 00-0013	CY	Light Clay / Loam	45.69	
		For Up To 8, Add	*9.14*	
		For >8 To 16, Add	*4.57*	
		For >48 To 64, Deduct	*-3.00*	
		For >64 To 96, Deduct	*-5.29*	
		For >96 To 168, Deduct	*-7.57*	
		For >168 To 240, Deduct	*-9.08*	
		For >240, Deduct	*-10.58*	
31 05 13 00-0014	CY	Heavy Clay	56.20	
		For Up To 8, Add	*11.24*	
		For >8 To 16, Add	*5.62*	
		For >48 To 64, Deduct	*-3.53*	
		For >64 To 96, Deduct	*-6.34*	
		For >96 To 168, Deduct	*-9.15*	
		For >168 To 240, Deduct	*-10.92*	
		For >240, Deduct	*-12.68*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	48.69	
		For Up To 8, Add	*9.74*	
		For >8 To 16, Add	*4.87*	
		For >48 To 64, Deduct	*-3.15*	
		For >64 To 96, Deduct	*-5.59*	
		For >96 To 168, Deduct	*-8.02*	
		For >168 To 240, Deduct	*-9.60*	
		For >240, Deduct	*-11.18*	
31 05 16 00-0003	CY	#3 (1" To 2" Clean) Stone Aggregate Fill	50.70	
		For Up To 8, Add	*10.14*	
		For >8 To 16, Add	*5.07*	
		For >48 To 64, Deduct	*-3.26*	
		For >64 To 96, Deduct	*-5.79*	
		For >96 To 168, Deduct	*-8.33*	
		For >168 To 240, Deduct	*-9.95*	
		For >240, Deduct	*-11.58*	
31 05 16 00-0004	CY	#4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	48.69	
		For Up To 8, Add	*9.74*	
		For >8 To 16, Add	*4.87*	
		For >48 To 64, Deduct	*-3.15*	
		For >64 To 96, Deduct	*-5.59*	
		For >96 To 168, Deduct	*-8.02*	
		For >168 To 240, Deduct	*-9.60*	
		For >240, Deduct	*-11.18*	
31 05 16 00-0005	CY	#5 (1/2" To 1" Clean) Stone Aggregate Fill	52.16	
		For Up To 8, Add	*10.43*	
		For >8 To 16, Add	*5.22*	
		For >48 To 64, Deduct	*-3.33*	
		For >64 To 96, Deduct	*-5.94*	
		For >96 To 168, Deduct	*-8.54*	
		For >168 To 240, Deduct	*-10.21*	
		For >240, Deduct	*-11.87*	
31 05 16 00-0006	CY	#6 (3/8" To 3/4" Clean) Stone Aggregate Fill	54.20	
		For Up To 8, Add	*10.84*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.43*	
		For >64 To 96, Deduct	*-6.14*	
		For >96 To 168, Deduct	*-8.85*	
		For >168 To 240, Deduct	*-10.57*	
		For >240, Deduct	*-12.28*	
31 05 16 00-0007	CY	#56 (3/8" To 1") Stone Aggregate Fill	52.48	
		For Up To 8, Add	*10.50*	
		For >8 To 16, Add	*5.25*	
		For >48 To 64, Deduct	*-3.34*	
		For >64 To 96, Deduct	*-5.97*	
		For >96 To 168, Deduct	*-8.59*	
		For >168 To 240, Deduct	*-10.26*	
		For >240, Deduct	*-11.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0008	CY	#57 (3/8" To 1") Stone Aggregate Fill	56.04	
		For Up To 8, Add	*11.21*	
		For >8 To 16, Add	*5.60*	
		For >48 To 64, Deduct	*-3.52*	
		For >64 To 96, Deduct	*-6.32*	
		For >96 To 168, Deduct	*-9.13*	
		For >168 To 240, Deduct	*-10.89*	
		For >240, Deduct	*-12.65*	
31 05 16 00-0009	CY	#67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	50.59	
		For Up To 8, Add	*10.12*	
		For >8 To 16, Add	*5.06*	
		For >48 To 64, Deduct	*-3.25*	
		For >64 To 96, Deduct	*-5.78*	
		For >96 To 168, Deduct	*-8.31*	
		For >168 To 240, Deduct	*-9.93*	
		For >240, Deduct	*-11.56*	
31 05 16 00-0010	CY	#7I (3/8" To 1/2") Stone Aggregate Fil	51.58	
		For Up To 8, Add	*10.32*	
		For >8 To 16, Add	*5.16*	
		For >48 To 64, Deduct	*-3.30*	
		For >64 To 96, Deduct	*-5.88*	
		For >96 To 168, Deduct	*-8.46*	
		For >168 To 240, Deduct	*-10.11*	
		For >240, Deduct	*-11.76*	
31 05 16 00-0011	CY	#78 (3/32" To 1/2") Stone Aggregate Fill	52.01	
		For Up To 8, Add	*10.40*	
		For >8 To 16, Add	*5.20*	
		For >48 To 64, Deduct	*-3.32*	
		For >64 To 96, Deduct	*-5.92*	
		For >96 To 168, Deduct	*-8.52*	
		For >168 To 240, Deduct	*-10.18*	
		For >240, Deduct	*-11.84*	
31 05 16 00-0012	CY	#8 (3/32" To 3/8") Stone Aggregate Fill	54.20	
		For Up To 8, Add	*10.84*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.43*	
		For >64 To 96, Deduct	*-6.14*	
		For >96 To 168, Deduct	*-8.85*	
		For >168 To 240, Deduct	*-10.57*	
		For >240, Deduct	*-12.28*	
31 05 16 00-0013	CY	#89 (1/16" To 3/8") Stone Aggregate Fill	54.82	
		For Up To 8, Add	*10.96*	
		For >8 To 16, Add	*5.48*	
		For >48 To 64, Deduct	*-3.46*	
		For >64 To 96, Deduct	*-6.20*	
		For >96 To 168, Deduct	*-8.94*	
		For >168 To 240, Deduct	*-10.67*	
		For >240, Deduct	*-12.40*	
31 05 16 00-0014	CY	#9 (3/32" To 3/16") Stone Aggregate Fill	54.20	
		For Up To 8, Add	*10.84*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.43*	
		For >64 To 96, Deduct	*-6.14*	
		For >96 To 168, Deduct	*-8.85*	
		For >168 To 240, Deduct	*-10.57*	
		For >240, Deduct	*-12.28*	
31 05 16 00-0015	CY	#10 (1/16" To 3/16") Stone Aggregate Fill	55.46	
		For Up To 8, Add	*11.09*	
		For >8 To 16, Add	*5.55*	
		For >48 To 64, Deduct	*-3.49*	
		For >64 To 96, Deduct	*-6.27*	
		For >96 To 168, Deduct	*-9.04*	
		For >168 To 240, Deduct	*-10.79*	
		For >240, Deduct	*-12.53*	
31 05 16 00-0016	CY	#610 (1/16" To 3/4") Modified Stone Aggregate Fill	54.82	
		For Up To 8, Add	*10.96*	
		For >8 To 16, Add	*5.48*	
		For >48 To 64, Deduct	*-3.46*	
		For >64 To 96, Deduct	*-6.20*	
		For >96 To 168, Deduct	*-8.94*	
		For >168 To 240, Deduct	*-10.67*	
		For >240, Deduct	*-12.40*	
31 05 16 00-0017	CY	3/16" Max Screenings Stone Aggregate Fill	45.87	
		For Up To 8, Add	*9.17*	
		For >8 To 16, Add	*4.59*	
		For >48 To 64, Deduct	*-3.01*	
		For >64 To 96, Deduct	*-5.31*	
		For >96 To 168, Deduct	*-7.60*	
		For >168 To 240, Deduct	*-9.11*	
		For >240, Deduct	*-10.61*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	49.92	
		For Up To 8, Add	*9.98*	
		For >8 To 16, Add	*4.99*	
		For >48 To 64, Deduct	*-3.22*	
		For >64 To 96, Deduct	*-5.71*	
		For >96 To 168, Deduct	*-8.21*	
		For >168 To 240, Deduct	*-9.82*	
		For >240, Deduct	*-11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	49.92	
		For Up To 8, Add	*9.98*	
		For >8 To 16, Add	*4.99*	
		For >48 To 64, Deduct	*-3.22*	
		For >64 To 96, Deduct	*-5.71*	
		For >96 To 168, Deduct	*-8.21*	
		For >168 To 240, Deduct	*-9.82*	
		For >240, Deduct	*-11.42*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	53.96	
		For Up To 8, Add	*10.79*	
		For >8 To 16, Add	*5.40*	
		For >48 To 64, Deduct	*-3.42*	
		For >64 To 96, Deduct	*-6.12*	
		For >96 To 168, Deduct	*-8.81*	
		For >168 To 240, Deduct	*-10.52*	
		For >240, Deduct	*-12.23*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	56.84	
		For Up To 8, Add	*11.37*	
		For >8 To 16, Add	*5.68*	
		For >48 To 64, Deduct	*-3.56*	
		For >64 To 96, Deduct	*-6.40*	
		For >96 To 168, Deduct	*-9.25*	
		For >168 To 240, Deduct	*-11.03*	
		For >240, Deduct	*-12.81*	
31 05 16 00-0022	CY	2-1/2" Minus Crusher Run Aggregate Fill	31.80	
		For Up To 8, Add	*6.36*	
		For >8 To 16, Add	*3.18*	
		For >48 To 64, Deduct	*-2.31*	
		For >64 To 96, Deduct	*-3.90*	
		For >96 To 168, Deduct	*-5.49*	
		For >168 To 240, Deduct	*-6.65*	
		For >240, Deduct	*-7.80*	
31 05 16 00-0023	CY	1-1/2" Minus Crusher Run Aggregate Fill	34.98	
		For Up To 8, Add	*7.00*	
		For >8 To 16, Add	*3.50*	
		For >48 To 64, Deduct	*-2.47*	
		For >64 To 96, Deduct	*-4.22*	
		For >96 To 168, Deduct	*-5.97*	
		For >168 To 240, Deduct	*-7.20*	
		For >240, Deduct	*-8.44*	
31 05 16 00-0024	CY	3/4" Minus Crusher Run Aggregate Fill	32.92	
		For Up To 8, Add	*6.58*	
		For >8 To 16, Add	*3.29*	
		For >48 To 64, Deduct	*-2.37*	
		For >64 To 96, Deduct	*-4.01*	
		For >96 To 168, Deduct	*-5.66*	
		For >168 To 240, Deduct	*-6.84*	
		For >240, Deduct	*-8.02*	
31 05 16 00-0025	CY	#200 to 1-1/2" Class 5 Granite Aggregate Fill	45.63	
		For Up To 8, Add	*9.13*	
		For >8 To 16, Add	*4.56*	
		For >48 To 64, Deduct	*-3.00*	
		For >64 To 96, Deduct	*-5.28*	
		For >96 To 168, Deduct	*-7.56*	
		For >168 To 240, Deduct	*-9.07*	
		For >240, Deduct	*-10.57*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 08 Commissioning of Earthwork *(31)*

31 08 13 Pile Load Testing *(31 08)*

31 08 13 00-0001 Pile Test By Load Ranges *(31 08 13)*

31 08 13 00-0002	EA	Pile Load Test, 50 To 100 Ton Design Load	36,833.15	
		For Barge Mounted Testing, Add	*14,733.26*	
		For Testing In Wet/Soft Soil Condition, Add	*11,049.95*	
31 08 13 00-0003	EA	Pile Load Test, 101 To 200 Ton Design Load	43,384.91	
		For Barge Mounted Testing, Add	*17,353.96*	
		For Testing In Wet/Soft Soil Condition, Add	*13,015.47*	
31 08 13 00-0004	EA	Pile Load Test, 201 To 300 Ton Design Load	52,972.70	
		For Barge Mounted Testing, Add	*21,189.08*	
		For Testing In Wet/Soft Soil Condition, Add	*15,891.81*	
31 08 13 00-0005	EA	Pile Load Test, 301 To 400 Ton Design Load	65,055.15	
		For Barge Mounted Testing, Add	*26,022.06*	
		For Testing In Wet/Soft Soil Condition, Add	*19,516.55*	

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		00-0001 for small areas or individual trees removal.		
31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	4,671.18	
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,791.42	
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	6,228.24	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,985.70	
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,563.83	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	4,478.55	
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	12,456.48	
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	6,269.97	
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	191.85	
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	430.63	
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	611.08	
31 11 00 00-0013	ACR	Chipping - Light Brush	1,661.16	
31 11 00 00-0014	ACR	Chipping - Medium Brush	2,135.88	
31 11 00 00-0015	ACR	Chipping - Heavy Brush	2,990.51	
31 11 00 00-0016		**Loading Of Cleared And Grubbed Material** *(31 11)* See CSI section 01 74 19 00-0031 for hauling.		
31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	8.20	
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	9.85	
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	20.19	
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	15.86	
31 11 00 00-0021		**Burning Of Cleared Land Debris; Limbs, Stumps, Brush, etc.** *(31 11)* Note: Includes air curtain destructor (fan) equipment delivery and set-up, equipment (excavator and dozer for loading material into trench for burning) and personnel. Excludes excavation for digging of trench, backfill trench, loading burned debris (organic) into truck or hauling.		
31 11 00 00-0022	HR	Burning Of Cleared Land Debris - 4 Hour Minimum	414.31	
31 11 00 00-0023		**Drum Grinding Of Cleared Land Debris; Limbs, Stumps, Brush, etc.** *(31 11)* Note: Includes drum equipment delivery and set-up, equipment (excavator for loading stockpiled material into drum grinder) and personnel. Excludes loading chipped/ground debris (organic) into truck or hauling.		
31 11 00 00-0024	HR	Drum Grinding Of Cleared Land Debris - 4 Hour Minimum	330.02	

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001		**Individual Tree Removal** *(31 13 13)* Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	389.27	
		For >4 To 10, Deduct	*-23.36*	
		For >10 To 25, Deduct	*-48.66*	
		For >25, Deduct	*-72.99*	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	583.90	
		For >4 To 10, Deduct	*-35.03*	
		For >10 To 25, Deduct	*-72.99*	
		For >25, Deduct	*-109.48*	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	778.53	
		For >4 To 10, Deduct	*-46.71*	
		For >10 To 25, Deduct	*-97.32*	
		For >25, Deduct	*-145.97*	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,167.80	
		For >4 To 10, Deduct	*-70.07*	
		For >10 To 25, Deduct	*-145.98*	
		For >25, Deduct	*-218.96*	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,557.06	
		For >4 To 10, Deduct	*-93.42*	
		For >10 To 25, Deduct	*-194.63*	
		For >25, Deduct	*-291.95*	
31 13 13 00-0007		**Stump Removal** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0008		**Stump Removal By Machine** *(31 13 13 00-0007)*		
31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	89.57	
		For >10, Deduct	*-13.44*	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	171.68	
		For >10, Deduct	*-25.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	223.93	
		For >10, Deduct	*-33.59*	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	335.90	
		For >10, Deduct	*-50.39*	
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	395.63	
		For >10, Deduct	*-59.34*	

31 13 13 00-0014 Stump Removal By Hand *(31 13 13 00-0007)*

31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	418.10	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	522.62	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	766.51	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,045.24	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,393.65	

31 13 13 00-0020 Stump Grinding *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0020)*

Note: Level soil to match existing surface area.

31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree	63.72	
		For 24" Depth, Add	*12.74*	
		For >10, Deduct	*-7.97*	
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree	79.65	
		For 24" Depth, Add	*15.93*	
		For >10, Deduct	*-9.96*	
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree	95.58	
		For 24" Depth, Add	*19.12*	
		For >10, Deduct	*-11.95*	
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree	106.21	
		For 24" Depth, Add	*21.24*	
		For >10, Deduct	*-13.28*	
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree	114.17	
		For 24" Depth, Add	*22.83*	
		For >10, Deduct	*-14.27*	
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree	122.13	
		For 24" Depth, Add	*24.43*	
		For >10, Deduct	*-15.27*	
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree	132.75	
		For 24" Depth, Add	*26.55*	
		For >10, Deduct	*-16.59*	
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree	144.74	
		For 24" Depth, Add	*28.95*	
		For >10, Deduct	*-18.09*	
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree	160.83	
		For 24" Depth, Add	*32.17*	
		For >10, Deduct	*-20.10*	
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree	176.91	
		For 24" Depth, Add	*35.38*	
		For >10, Deduct	*-22.11*	
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree	192.99	
		For 24" Depth, Add	*38.60*	
		For >10, Deduct	*-24.12*	
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree	214.44	
		For 24" Depth, Add	*42.89*	
		For >10, Deduct	*-26.81*	

31 13 13 00-0034 Shrub Removal *(31 13 13)*

31 13 13 00-0035	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	25.93	
		For >4 To 10, Deduct	*-1.56*	
		For >10 To 25, Deduct	*-3.24*	
31 13 13 00-0036	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	40.67	
		For >4 To 10, Deduct	*-2.44*	
		For >10 To 25, Deduct	*-5.08*	
31 13 13 00-0037	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	47.15	
		For >4 To 10, Deduct	*-2.83*	
		For >10 To 25, Deduct	*-5.89*	
31 13 13 00-0038	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	70.72	
		For >4 To 10, Deduct	*-4.24*	
		For >10 To 25, Deduct	*-8.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0039	EA	Removal Of 12" To 15" Shrub, Deciduous	12.97	
		For >4 To 10, Deduct	*-0.78*	
		For >10 To 25, Deduct	*-1.62*	
31 13 13 00-0040	EA	Removal Of 18" To 24" Shrub, Deciduous	20.04	
		For >4 To 10, Deduct	*-1.20*	
		For >10 To 25, Deduct	*-2.51*	
31 13 13 00-0041	EA	Removal Of 2' To 3' Shrub, Deciduous	25.93	
		For >4 To 10, Deduct	*-1.56*	
		For >10 To 25, Deduct	*-3.24*	
31 13 13 00-0042	EA	Removal Of 3' To 4' Shrub, Deciduous	28.28	
		For >4 To 10, Deduct	*-1.70*	
		For >10 To 25, Deduct	*-3.54*	
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Evergreen	25.93	
		For >4 To 10, Deduct	*-1.56*	
		For >10 To 25, Deduct	*-3.24*	
31 13 13 00-0044	EA	Removal Of 24" To 30" Shrub, Evergreen	28.28	
		For >4 To 10, Deduct	*-1.70*	
		For >10 To 25, Deduct	*-3.54*	
31 13 13 00-0045	EA	Removal Of 30" To 36" Shrub, Evergreen	40.67	
		For >4 To 10, Deduct	*-2.44*	
		For >10 To 25, Deduct	*-5.08*	
31 13 13 00-0046	EA	Removal Of 36" To 42" Shrub, Evergreen	70.72	
		For >4 To 10, Deduct	*-4.24*	
		For >10 To 25, Deduct	*-8.84*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.17
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	1.75
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	2.05

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	0.56
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	0.51
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	0.53
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.44

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	260.53
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	361.84

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	7.20	
		For Excavation In Light Material (Class A), Deduct	*-0.90*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.88*	
		For Up To 20, Add	*7.20*	
		For >20 To 50, Add	*5.40*	
		For >50 To 250, Add	*2.88*	
		For >250 To 500, Add	*1.08*	
		For >1,000, Deduct	*-1.08*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	5.27	
		For Excavation In Light Material (Class A), Deduct	*-0.66*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.11*	
		For Up To 20, Add	*5.27*	
		For >20 To 50, Add	*3.95*	
		For >50 To 250, Add	*2.11*	
		For >250 To 500, Add	*0.79*	
		For >1,000, Deduct	*-0.79*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	11.91	
		For Up To 20, Add	*11.91*	
		For >20 To 50, Add	*8.93*	
		For >50 To 250, Add	*4.76*	
		For >250 To 500, Add	*1.79*	
		For >1,000, Deduct	*-1.79*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	9.35	
		For Up To 20, Add	*9.35*	
		For >20 To 50, Add	*7.01*	
		For >50 To 250, Add	*3.74*	
		For >250 To 500, Add	*1.40*	
		For >1,000, Deduct	*-1.40*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	66.61
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	114.26
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	0.52
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	0.61

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	2.49	
		For Up To 20, Add	*2.49*	
		For >20 To 50, Add	*1.87*	
		For >50 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.37*	
		For >1,000, Deduct	*-0.37*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	18.50	

31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Hand Machine; Vibratory Plate, Jumping Jack, Air Tamper, etc.	3.93	
		For Up To 20, Add	*3.93*	
		For >20 To 50, Add	*2.95*	
		For >50 To 250, Add	*1.57*	
		For >250 To 500, Add	*0.59*	
		For >1,000, Deduct	*-0.59*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	20.88	

31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0031 for hauling.

31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	4.33	
		For Up To 20, Add	*4.33*	
		For >20 To 50, Add	*3.25*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
		For >1,000, Deduct	*-0.65*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	48.84	

31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for cleanup.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	2.16	
		For Up To 20, Add	*2.16*	
		For >20 To 50, Add	*1.62*	
		For >50 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.32*	
		For >1,000, Deduct	*-0.32*	

31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	1.72	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	1.90	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	2.70	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	3.06	

31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	0.79	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 500, Deduct	*-0.12*	
		For >500, Deduct	*-0.24*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	0.86	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 500, Deduct	*-0.13*	
		For >500, Deduct	*-0.26*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	0.90	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 500, Deduct	*-0.14*	
		For >500, Deduct	*-0.27*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	0.94	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.14*	
		For >500, Deduct	*-0.28*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.03	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.31*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.18	
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.18*	
		For >500, Deduct	*-0.35*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.42	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.21*	
		For >500, Deduct	*-0.43*	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.34	
		For >100 To 250, Deduct	*-0.09*	
		For >250 To 500, Deduct	*-0.20*	
		For >500, Deduct	*-0.40*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.57	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.47*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.79	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.54*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.13	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.32*	
		For >500, Deduct	*-0.64*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.12	
		For >100 To 250, Deduct	*-0.01*	
		For >250 To 500, Deduct	*-0.02*	
		For >500, Deduct	*-0.04*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.20	
		For >100 To 250, Deduct	*-0.01*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.06*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.20	
		For >100 To 250, Deduct	*-0.01*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.06*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.38	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	0.54	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.16*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.38	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.51	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	0.77	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.12*	
		For >500, Deduct	*-0.23*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	6.06
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	6.82
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	8.09
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	9.10
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	9.92
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	10.91
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	12.13
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	13.64
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	15.59
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	18.19
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	21.82
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	27.29

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	37.62
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	14.47

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	3.80
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	4.84
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	5.45
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	6.49
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	9.31
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	12.43
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	15.28
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	17.96
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	25.18
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	31.96
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	38.62
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	45.64

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	4.28
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	5.48
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	6.08
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	7.10
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	10.07
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	13.43
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	16.47
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	19.27
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	26.54
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	33.23
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	39.78
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	46.62

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	2.47	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	3.21	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	3.36	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	3.47	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	4.63	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	6.16	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	7.40	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	8.39	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	10.22	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	11.48	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	12.58	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	13.57	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	24.28
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	25.90
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	30.76

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	6.78
		For Excavation In Light Material (Class A), Deduct	*-0.85*
		For Excavation In Heavy/Wet Material (Class C), Add	*2.71*
		For >1,000, Deduct	*-1.02*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.25
		For Excavation In Light Material (Class A), Deduct	*-0.53*
		For Excavation In Heavy/Wet Material (Class C), Add	*1.70*
		For >1,000, Deduct	*-0.64*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	8.34
		For >1,000, Deduct	*-1.25*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	5.23
		For >1,000, Deduct	*-0.78*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.18
		For >1,000, Deduct	*-0.63*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.65
		For >1,000, Deduct	*-0.70*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	3.72
		For >1,000, Deduct	*-0.56*
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	5.58
		For >1,000, Deduct	*-0.84*
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.37
		For >1,000, Deduct	*-1.26*
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.16
		For >1,000, Deduct	*-1.67*

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.46

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.43

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0031 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	4.32
		For >1,000, Deduct	*-0.65*

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MINOR CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

31 23 16 36 Excavation for Building Foundations and Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil 5.60
For Excavation In Light Material (Class A), Deduct -0.70
For Excavation In Heavy/Wet Material (Class C), Add 2.24
For Up To 20, Add 5.60
For >20 To 50, Add 4.20
For >50 To 250, Add 2.24
For >250 To 500, Add 0.84

31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock 7.03
Note: Includes compacted aggregate
For Up To 20, Add 7.03
For >20 To 50, Add 5.27
For >50 To 250, Add 2.81
For >250 To 500, Add 1.05

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil 5.10
For Excavation In Light Material (Class A), Deduct -0.64
For Excavation In Heavy/Wet Material (Class C), Add 2.04
For Up To 20, Add 5.10
For >20 To 50, Add 3.83
For >50 To 250, Add 2.04
For >250 To 500, Add 0.77

31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock 6.07
Note: Includes compacted aggregate
For Up To 20, Add 6.07
For >20 To 50, Add 4.55
For >50 To 250, Add 2.43
For >250 To 500, Add 0.91

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil 66.61
For Excavation In Light Material (Class A), Deduct -8.33
For Excavation In Heavy/Wet Material (Class C), Add 26.64

31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock 114.26
Note: Includes compacted aggregate

31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' 3.72
For Up To 20, Add 3.72
For >20 To 50, Add 2.79
For >50 To 250, Add 1.49
For >250 To 500, Add 0.56

31 23 16 36-0013 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500' 5.58
For Up To 20, Add 5.58
For >20 To 50, Add 4.19
For >50 To 250, Add 2.23
For >250 To 500, Add 0.84

31 23 16 36-0014 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000' 8.37
For Up To 20, Add 8.37
For >20 To 50, Add 6.28
For >50 To 250, Add 3.35
For >250 To 500, Add 1.26

31 23 16 36-0015 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000' 11.16
For Up To 20, Add 11.16
For >20 To 50, Add 8.37
For >50 To 250, Add 4.46
For >250 To 500, Add 1.67

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	2.79	
		For Up To 20, Add	*2.79*	
		For >20 To 50, Add	*2.09*	
		For >50 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.42*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.95	
		For Up To 20, Add	*3.95*	
		For >20 To 50, Add	*2.96*	
		For >50 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.59*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	31.71	
31 23 16 36-0020		**Compaction Of Fill Or Subbase** *(31 23 16 36)*		
		Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	6.23	
		For Up To 20, Add	*6.23*	
		For >20 To 50, Add	*4.67*	
		For >50 To 250, Add	*2.49*	
		For >250 To 500, Add	*0.93*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	20.87	
31 23 16 36-0023		**Grading For Building Foundations And Other Structures** *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	0.80	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	1.29	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	6.17	
31 23 16 36-0027		**Loading Excess Material For Removal From Excavation** *(31 23 16 36)*		
		Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0031 for hauling.		
31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.51	
		For Up To 20, Add	*4.51*	
		For >20 To 50, Add	*3.38*	
		For >50 To 250, Add	*1.80*	
		For >250 To 500, Add	*0.68*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	48.84	
31 23 16 36-0030		**Spread Excess Or Imported Material And Grade On Site** *(31 23 16 36)*		
		Note: For building foundations and other structures.		
31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	2.16	
		For Up To 20, Add	*2.16*	
		For >20 To 50, Add	*1.62*	
		For >50 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.32*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	26.96	
31 23 19		**Dewatering** *(31 23)*		
31 23 19 00-0001		**Well Point Dewatering System** *(31 23 19)*		
31 23 19 00-0002		**Delivery, Installation And Removal Cost** *(31 23 19 00-0001)*		
		Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	73.66	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	40.52	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	36.84	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	33.15	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	29.47	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	25.78	
31 23 19 00-0009		**Well Point Dewatering System Rental** *(31 23 19 00-0001)*		
		Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.35	
		For >5 Days And <1 Month, Deduct	*-0.52*	
		For >1 Month, Deduct	*-0.66*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.37	
		For >5 Days And <1 Month, Deduct	*-0.30*	
		For >1 Month, Deduct	*-0.38*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.98	
		For >5 Days And <1 Month, Deduct	*-0.22*	
		For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.72	
		For >5 Days And <1 Month, Deduct	*-0.16*	
		For >1 Month, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.65	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	

31 23 19 00-0015 Well Point Dewatering System Operation Costs *(31 23 19 00-0001)*

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	77.93	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001 Compaction Water, Water Truck And Operator *(31 23 23 23)*

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	202.39	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001 Flowable Fill (Fly Ash) Cement Backfill For Trenches *(31 23 23 33)*

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	131.09	
		For Up To 20, Add	*47.17*	
		For >20 To 50, Add	*30.93*	
		For >50 To 250, Add	*15.46*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000, Deduct	*-16.25*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations *(31 24 13)*

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	4.65	
		For Up To 20, Add	*4.65*	
		For >20 To 50, Add	*3.49*	
		For >50 To 250, Add	*1.86*	
		For >250 To 500, Add	*0.70*	
		For >1,000, Deduct	*-0.70*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	5.77	
		For Up To 20, Add	*5.77*	
		For >20 To 50, Add	*4.33*	
		For >50 To 250, Add	*2.31*	
		For >250 To 500, Add	*0.87*	
		For >1,000, Deduct	*-0.87*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	3.41	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	4.45	

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	4.30	
		For Up To 20, Add	*2.15*	
		For >20 To 50, Add	*1.08*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.86*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	8.37	
		For Up To 20, Add	*8.37*	
		For >20 To 50, Add	*6.28*	
		For >50 To 250, Add	*3.35*	
		For >250 To 500, Add	*1.26*	
		For >1,000, Deduct	*-1.26*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	11.16	
		For Up To 20, Add	*11.16*	
		For >20 To 50, Add	*8.37*	
		For >50 To 250, Add	*4.46*	
		For >250 To 500, Add	*1.67*	
		For >1,000, Deduct	*-1.67*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	5.11	
		For Up To 20, Add	*5.11*	
		For >20 To 50, Add	*3.83*	
		For >50 To 250, Add	*2.04*	
		For >250 To 500, Add	*0.77*	
		For >1,000, Deduct	*-0.77*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.50	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.65	
31 24 13 00-0019	LF	Finish Grade For Curb	0.74	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	0.90	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.43	
		For Up To 250, Add	*0.43*	
		For >250 To 500, Add	*0.32*	
		For >500 To 1,000, Add	*0.17*	
		For >5,000, Deduct	*-0.06*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.32	
		For Up To 20, Add	*4.32*	
		For >20 To 50, Add	*3.24*	
		For >50 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.65*	
		For >1,000, Deduct	*-0.65*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	50.31
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	47.30
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	44.75
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	43.29

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.03
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.12
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	2.83
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.03
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.60

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	3.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.68	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.15	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.34	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.62	
31 25 14 16-0014		**Turf Reinforcement Mats (TRM)** *(31 25 14 16-0001)* Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	13.16	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	11.92	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.26	
31 25 14 16-0018		**Jute Mesh Erosion Control Blankets** *(31 25 14 16-0001)*		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.36	
31 25 14 16-0020		**Revegetation Mat** *(31 25 14 16-0001)*		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.58	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.78	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 25 14 23-0001		**Sand Bags** *(31 25 14 23)* Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	3.96	1.40
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.68*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	5.27	1.75
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.88*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	6.90	2.09
		For >2,500 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-1.11*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	8.40	2.61
		For >2,500 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-1.36*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	10.34	3.12
		For >2,500 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.66*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	12.27	3.56
		For >2,500 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.94*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	126.71	28.48
		For >2,500 To 5,000, Deduct	*-6.06*	
		For >5,000, Deduct	*-18.73*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	170.99	31.34
		For >2,500 To 5,000, Deduct	*-6.67*	
		For >5,000, Deduct	*-23.77*	
31 25 14 23-0010		**Gravel Bags** *(31 25 14 23)* Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	4.50	0.93
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.64*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	8.76	1.40
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-1.16*	
31 25 14 23-0013		**Floating Turbidity Curtain** *(31 25 14 23)* Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	24.45	
		For Type 1, Deduct	*-4.55*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.77*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.36*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	26.66	
		For Type 1, Deduct	*-5.00*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.05*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.81	
		For Type 1, Deduct	*-5.67*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.45*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.19*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.44	
		For Type 1, Deduct	*-6.21*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.78*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.59*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	34.03	
		For Type 1, Deduct	*-6.52*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.97*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.82*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.63	
		For Type 1, Deduct	*-6.82*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.15*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.04*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.51	
		For Type 1, Deduct	*-7.19*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.37*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.31*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	40.19	
		For Type 1, Deduct	*-7.73*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.71*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.71*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	42.24	
		For Type 1, Deduct	*-8.13*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.95*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.01*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	45.09	
		For Type 1, Deduct	*-8.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.30*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.43*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	47.69	
		For Type 1, Deduct	*-9.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.81*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.18	
		For Type 1, Deduct	*-9.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.91*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.17*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	54.94	
		For Type 1, Deduct	*-10.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.51*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.91*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	57.59	
		For Type 1, Deduct	*-11.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.83*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.29*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	60.15	
		For Type 1, Deduct	*-11.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.12*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.65*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	62.85	
		For Type 1, Deduct	*-12.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.44*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.03*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	65.45	
		For Type 1, Deduct	*-12.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.73*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.39*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	756.17
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,047.42
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,339.93
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,761.82

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	251.42
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	365.26
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	418.23

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	261.91
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	364.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0044		**Cable Articulating Concrete Block** *(31 25 14 23)* Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	26.62	
		For Up To 500, Add	*5.90*	
		For >500 To 1,000, Add	*3.24*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	30.67	
		For Up To 500, Add	*6.76*	
		For >500 To 1,000, Add	*3.70*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	35.29	
		For Up To 500, Add	*7.75*	
		For >500 To 1,000, Add	*4.22*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	39.88	
		For Up To 500, Add	*8.75*	
		For >500 To 1,000, Add	*4.76*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	28.88	
		For Up To 500, Add	*6.35*	
		For >500 To 1,000, Add	*3.47*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	33.38	
		For Up To 500, Add	*7.31*	
		For >500 To 1,000, Add	*3.97*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	38.50	
		For Up To 500, Add	*8.39*	
		For >500 To 1,000, Add	*4.54*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	43.56	
		For Up To 500, Add	*9.48*	
		For >500 To 1,000, Add	*5.13*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001		**Silt Fences And Dike Barriers** *(31 25 14 26)* Note: Includes stakes and embedding.		
31 25 14 26-0002		**Silt Fences 2' High** *(31 25 14 26-0001)* See CSI section 31 25 14 26-0016 for removal of silt fence.		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	2.99	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	2.35	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	1.70	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	1.50	
31 25 14 26-0007		**Silt Fences 3' High** *(31 25 14 26-0001)* See CSI section 31 25 14 26-0016 for removal of silt fence.		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	3.49	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	2.82	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	1.98	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	1.69	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0012		**Silt Dike Barrier** *(31 25 14 26-0001)*		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.05	
31 25 14 26-0014		**Super Silt Fences, 41" Total Height, 8" Below Ground** *(31 25 14 26-0001)*		
31 25 14 26-0015	LF	41" Total Height Super Silt Fence, 8" Below Ground, Galvanized Chain Link, With 2-1/2" Posts, 10' On Center With Geotextile Fabric Attached	9.98	
31 25 14 26-0016		**Silt Fences Removal** *(31 25 14 26-0001)*		
31 25 14 26-0017	LF	Removal Of Silt Fence And Stakes	0.44	
31 25 14 26-0018		**Hay And Straw Bales** *(31 25 14 26)* Note: Includes trench for placement, and stakes.		
31 25 14 26-0019	LF	Place Sterilized Straw Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0021 for removal of straw bale.	3.56	
31 25 14 26-0020	LF	Place Hay Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0021 for removal of hay bale.	3.17	
31 25 14 26-0021	LF	Removal Of Hay Or Straw Bales Note: Includes removal of stakes.	0.79	
31 25 14 26-0022		**Sediment Logs (Degradable)** *(31 25 14 26)*		
31 25 14 26-0023		**Sediment Logs (Degradable)** *(31 25 14 26-0022)* Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0024	LF	9" Sediment Fiber Roll Log	3.87	
31 25 14 26-0025	LF	12" Sediment Fiber Roll Log	4.63	
31 25 14 26-0026	LF	20" Sediment Fiber Roll Log	7.30	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 26-0027 Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0022)*
Note: Includes trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	70.39
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	75.11
31 25 14 26-0030	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	84.35
31 25 14 26-0031	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	100.12

31 25 14 26-0032 Inlet Protection Sediment Bags *(31 25 14 26)*
Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0033	EA	2' x 2' x 3' Inlet Protection Sediment Bag	46.73
31 25 14 26-0034	EA	2' x 3' x 3' Inlet Protection Sediment Bag	54.91
31 25 14 26-0035	EA	2' x 4' x 3' Inlet Protection Sediment Bag	59.92

31 25 14 26-0036 Clean Sediment Logs/Wattles *(31 25 14 26)*
Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0037	EA	Clean Sediment Logs/Wattles	44.42

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.78
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.03

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.90
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	0.95

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	29.98
		For >45 To 90, Deduct	*-0.27*
		For >90 To 225, Deduct	*-2.04*
		For >225, Deduct	*-2.59*

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	27.08
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	32.06
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	40.27
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	48.36

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	22.44
31 32 13 19-0003	TON	Cement Stabilized Base Material	106.62
31 32 13 19-0004	CWT	Lime For Soil Stabilization Note: Excludes the cost for spreading or backfilling	17.60
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	14.84
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	2.99

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*
Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	9.41
		For 4% Lime Instead Of 5%, Deduct	*-0.31*
		For 6% Lime Instead Of 5%, Add	*0.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	10.89	
		For 4% Lime Instead Of 5%, Deduct	*-0.36*	
		For 6% Lime Instead Of 5%, Add	*0.36*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	12.43	
		For 4% Lime Instead Of 5%, Deduct	*-0.41*	
		For 6% Lime Instead Of 5%, Add	*0.41*	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.27	

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.24	
		For Up To 50, Add	*1.11*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.00	
		For Up To 50, Add	*1.26*	
		For >50 To 150, Add	*0.94*	
		For >150 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.55	
		For Up To 50, Add	*1.37*	
		For >50 To 150, Add	*1.02*	
		For >150 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.34*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.52	
		For Up To 50, Add	*1.97*	
		For >50 To 150, Add	*1.47*	
		For >150 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.49*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	10.92	
		For Up To 50, Add	*2.25*	
		For >50 To 150, Add	*1.68*	
		For >150 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.56*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.33	
		For Up To 50, Add	*1.12*	
		For >50 To 150, Add	*0.84*	
		For >150 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.28*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	7.94	
		For Up To 50, Add	*1.65*	
		For >50 To 150, Add	*1.23*	
		For >150 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.41*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.61	
		For Up To 50, Add	*0.34*	
		For >50 To 150, Add	*0.26*	
		For >150 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.73	
		For Up To 50, Add	*0.37*	
		For >50 To 150, Add	*0.27*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.88	
		For Up To 50, Add	*0.40*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.03	
		For Up To 50, Add	*0.43*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.43	
		For Up To 50, Add	*0.51*	
		For >50 To 150, Add	*0.38*	
		For >150 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.84	
		For Up To 50, Add	*0.60*	
		For >50 To 150, Add	*0.44*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.14	
		For Up To 50, Add	*0.66*	
		For >50 To 150, Add	*0.49*	
		For >150 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	3.90	
		For Up To 50, Add	*0.81*	
		For >50 To 150, Add	*0.60*	
		For >150 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.20*	

31 32 19 16-0010 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0011	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.37	
		For Up To 50, Add	*0.50*	
		For >50 To 150, Add	*0.37*	
		For >150 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
31 32 19 16-0012	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.36	
		For Up To 50, Add	*0.69*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	5.98	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.92*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.30*	
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.83	
		For Up To 50, Add	*1.19*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.30*	
31 32 19 16-0015	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.08	
		For Up To 50, Add	*1.04*	
		For >50 To 150, Add	*0.78*	
		For >150 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.26*	
31 32 19 16-0016	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.44	
		For Up To 50, Add	*1.12*	
		For >50 To 150, Add	*0.83*	
		For >150 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.28*	
31 32 19 16-0017	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	6.98	
		For Up To 50, Add	*1.42*	
		For >50 To 150, Add	*1.07*	
		For >150 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.35*	
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.00	
		For Up To 50, Add	*2.03*	
		For >50 To 150, Add	*1.52*	
		For >150 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.50*	

31 32 19 16-0019 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.36
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.59
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.95
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.37
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.73
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.00
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.25
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.96	

31 32 19 16-0030 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0019)*

31 32 19 16-0031	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	0.74	
31 32 19 16-0032	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.11	
31 32 19 16-0033	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.38	
31 32 19 16-0034	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.58	
31 32 19 16-0035	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.89	
31 32 19 16-0036	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.44	
31 32 19 16-0037	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.99	
31 32 19 16-0038	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	5.79	
31 32 19 16-0039	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	6.02	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	5.89	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*0.68*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	7.61	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*0.68*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	9.66	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*0.68*	

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.04	

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	53.38	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	64.23	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	80.45	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	93.87	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	109.81	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	151.25	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	192.12	

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0031 for hauling section for greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.63	
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	94.69	
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	101.31	
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	108.85	
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	114.92	
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	124.86	
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	128.96	
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	52.85	
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	61.78	
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	65.98	
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.76	
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	74.62	
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	81.01	
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	85.16	
31 37 13 00-0016	TON	Spread Of Rip Rap By Machine Note: Excludes material	9.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 37 13 00-0017	TON	Key Rip Rap Note: Excludes material.	73.71	
31 37 13 00-0018	CY	Chinking Rip Rap	52.47	
31 37 13 00-0019	CY	Grout For Rip Rap	169.04	

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	8.14	
		For Wood Sheeting Left In Place	*0.53*	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	8.74	
		For Wood Sheeting Left In Place	*0.45*	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	9.41	
		For Wood Sheeting Left In Place	*0.37*	
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	10.13	
		For Wood Sheeting Left In Place	*0.27*	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	10.91	
		For Wood Sheeting Left In Place	*0.16*	
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	11.74	
		For Wood Sheeting Left In Place	*0.03*	
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	12.65	
		For Wood Sheeting Left In Place	*-0.11*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. Pounds per square foot (PSF) indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	1,479.72	
		For Standard Sheeting Left In Place, Add	*1,733.60*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,685.10*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	1,526.77	
		For Standard Sheeting Left In Place, Add	*1,710.07*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,661.58*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	1,745.56	
		For Standard Sheeting Left In Place, Add	*1,600.68*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,552.18*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	1,956.08	
		For Standard Sheeting Left In Place, Add	*1,495.42*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,446.92*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,079.92	
		For Standard Sheeting Left In Place, Add	*1,433.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,385.00*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,206.24	
		For Standard Sheeting Left In Place, Add	*1,370.34*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,321.84*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,233.33
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	22.60
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	18.98

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	11.39

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micropile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micropile Mobilization Per Job	1,711.77
31 48 33 00-0003	EA	Relocate And Set-up For Micropile Equipment At New Pile Cap Location	427.95
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	314.71
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	368.21
31 48 33 00-0006	EA	Pile Load Test	2,139.72

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	53.00
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	67.84
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	95.40
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	122.97
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	159.01
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	318.02
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	445.22
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	629.67

31 52 21 00-0011 Delivery And Set-up For Portable Cofferdam *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-1034 for crane lifting equipment.

31 52 21 00-0012	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	5.55
31 52 21 00-0013	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	8.88
31 52 21 00-0014	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	13.32
31 52 21 00-0015	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	17.77
31 52 21 00-0016	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	3.34
31 52 21 00-0017	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	5.55
31 52 21 00-0018	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	8.88
31 52 21 00-0019	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	12.22

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	2.78
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	4.45
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	6.66
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	8.88

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	29.94	
		For Piles Driven In Water, Add	*10.19*	
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	38.92	
		For Piles Driven In Water, Add	*11.78*	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	48.51	
		For Piles Driven In Water, Add	*13.26*	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	60.93	
		For Piles Driven In Water, Add	*15.10*	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	75.40	
		For Piles Driven In Water, Add	*17.23*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	88.06	
		For Piles Driven In Water, Add	*19.31*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	114.58	
		For Piles Driven In Water, Add	*22.92*	

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	34.42	
		For Piles Driven In Water, Add	*10.86*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	43.67	
		For Piles Driven In Water, Add	*12.25*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	52.98	
		For Piles Driven In Water, Add	*13.70*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	64.56	
		For Piles Driven In Water, Add	*15.47*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	68.59	
		For Piles Driven In Water, Add	*16.55*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	72.77	
		For Piles Driven In Water, Add	*17.78*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	53.64	
		For Piles Driven In Water, Add	*12.37*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	64.58	
		For Piles Driven In Water, Add	*13.87*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	77.56	
		For Piles Driven In Water, Add	*15.64*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	88.33	
		For Piles Driven In Water, Add	*17.24*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	112.78	
		For Piles Driven In Water, Add	*20.29*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	141.00	
		For Piles Driven In Water, Add	*23.79*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	29.24	
		For Piles Driven In Water, Add	*10.80*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	33.09	
		For Piles Driven In Water, Add	*11.58*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	41.63	
		For Piles Driven In Water, Add	*12.43*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	39.63	
		For Piles Driven In Water, Add	*12.48*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	45.32	
		For Piles Driven In Water, Add	*13.05*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	52.37	
		For Piles Driven In Water, Add	*14.46*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	58.06	
		For Piles Driven In Water, Add	*15.03*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	52.05	
		For Piles Driven In Water, Add	*14.66*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	61.72	
		For Piles Driven In Water, Add	*15.62*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	69.42	
		For Piles Driven In Water, Add	*17.18*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	78.53	
		For Piles Driven In Water, Add	*18.09*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	189.51
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	229.94
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	301.09
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	321.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0019		**Rolled Steel H Driving Caps** *(31 62 16 16-0013)*		
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,288.44	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,288.44	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,315.18	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	5,033.31	
31 62 16 16-0024		**Rolled Steel H Standard Pile Points** *(31 62 16 16-0013)*		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	209.73	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	229.94	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	301.09	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	361.73	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	301.09	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	400.89	
31 62 16 19		**Unfilled Tubular Steel Piles** *(31 62 16)*		
31 62 16 19-0001		**Unfilled Tubular Driven Steel Piles** *(31 62 16 19)*		
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	49.27	
		For Piles Driven In Water, Add	*15.01*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	58.79	
		For Piles Driven In Water, Add	*15.96*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	69.06	
		For Piles Driven In Water, Add	*16.99*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	58.79	
		For Piles Driven In Water, Add	*15.96*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	67.83	
		For Piles Driven In Water, Add	*16.86*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	87.81	
		For Piles Driven In Water, Add	*18.86*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	70.58	
		For Piles Driven In Water, Add	*17.67*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	81.17	
		For Piles Driven In Water, Add	*18.73*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	87.05	
		For Piles Driven In Water, Add	*19.32*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	103.51	
		For Piles Driven In Water, Add	*20.96*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	76.05	
		For Piles Driven In Water, Add	*19.33*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	88.03	
		For Piles Driven In Water, Add	*20.53*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	100.00	
		For Piles Driven In Water, Add	*21.73*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	111.98	
		For Piles Driven In Water, Add	*22.93*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	84.55	
		For Piles Driven In Water, Add	*21.55*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	98.55	
		For Piles Driven In Water, Add	*22.95*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	125.86	
		For Piles Driven In Water, Add	*25.68*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	106.72	
		For Piles Driven In Water, Add	*24.87*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	124.91	
		For Piles Driven In Water, Add	*26.69*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	159.47	
		For Piles Driven In Water, Add	*30.15*	
31 62 16 19-0022		**Splices And Points For Pipe Piles** *(31 62 16 19)*		
31 62 16 19-0023		**Steel Pipe Pile Splices** *(31 62 16 19-0022)*		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	234.34	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	267.14	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	332.68	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	365.03	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	462.76	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	580.04	
31 62 16 19-0030		**Steel Pipe Standard Pile Points** *(31 62 16 19-0022)*		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	203.28	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	229.55	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	266.26	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	338.50	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	404.17	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	460.57	
31 62 16 19-0037		**Steel Pipe Heavy-Duty Pile Points** *(31 62 16 19-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	281.55	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	314.38	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	361.74	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	493.08	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	587.49	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 Lb. Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	29.21	
		For Piles Driven In Water, Add	*9.92*	
		For Untreated Pile, Deduct	*-7.93*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	30.43	
		For Piles Driven In Water, Add	*10.93*	
		For Untreated Pile, Deduct	*-8.02*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	32.00	
		For Piles Driven In Water, Add	*11.61*	
		For Untreated Pile, Deduct	*-8.38*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	34.17	
		For Piles Driven In Water, Add	*12.87*	
		For Untreated Pile, Deduct	*-8.76*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	43.35	
		For Piles Driven In Water, Add	*14.84*	
		For Untreated Pile, Deduct	*-11.72*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	54.52	
		For Piles Driven In Water, Add	*18.06*	
		For Untreated Pile, Deduct	*-14.99*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	52.09	
		For 5,000 PSI Concrete Grout Fill, Add	*6.47*	
		For Piles Driven In Water, Add	*16.17*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	61.60	
		For 5,000 PSI Concrete Grout Fill, Add	*7.42*	
		For Piles Driven In Water, Add	*17.12*	
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	71.88	
		For 5,000 PSI Concrete Grout Fill, Add	*8.45*	
		For Piles Driven In Water, Add	*18.15*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	62.96	
		For 5,000 PSI Concrete Grout Fill, Add	*8.91*	
		For Piles Driven In Water, Add	*17.50*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	72.00	
		For 5,000 PSI Concrete Grout Fill, Add	*9.82*	
		For Piles Driven In Water, Add	*18.41*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	91.99	
		For 5,000 PSI Concrete Grout Fill, Add	*11.81*	
		For Piles Driven In Water, Add	*20.40*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	76.47	
		For 5,000 PSI Concrete Grout Fill, Add	*11.87*	
		For Piles Driven In Water, Add	*19.80*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	87.06	
		For 5,000 PSI Concrete Grout Fill, Add	*12.93*	
		For Piles Driven In Water, Add	*20.86*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	92.94	
		For 5,000 PSI Concrete Grout Fill, Add	*13.51*	
		For Piles Driven In Water, Add	*21.44*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	109.40	
		For 5,000 PSI Concrete Grout Fill, Add	*15.16*	
		For Piles Driven In Water, Add	*23.09*	
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	83.79	
		For 5,000 PSI Concrete Grout Fill, Add	*14.37*	
		For Piles Driven In Water, Add	*22.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	95.76	
		For 5,000 PSI Concrete Grout Fill, Add	*15.57*	
		For Piles Driven In Water, Add	*23.78*	
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	107.74	
		For 5,000 PSI Concrete Grout Fill, Add	*16.77*	
		For Piles Driven In Water, Add	*24.98*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	119.71	
		For 5,000 PSI Concrete Grout Fill, Add	*17.96*	
		For Piles Driven In Water, Add	*26.17*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	93.31	
		For 5,000 PSI Concrete Grout Fill, Add	*17.55*	
		For Piles Driven In Water, Add	*24.38*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	107.31	
		For 5,000 PSI Concrete Grout Fill, Add	*18.95*	
		For Piles Driven In Water, Add	*25.78*	
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	134.61	
		For 5,000 PSI Concrete Grout Fill, Add	*21.68*	
		For Piles Driven In Water, Add	*28.51*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	117.42	
		For 5,000 PSI Concrete Grout Fill, Add	*22.48*	
		For Piles Driven In Water, Add	*28.01*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	135.61	
		For 5,000 PSI Concrete Grout Fill, Add	*24.29*	
		For Piles Driven In Water, Add	*29.82*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	170.17	
		For 5,000 PSI Concrete Grout Fill, Add	*27.75*	
		For Piles Driven In Water, Add	*33.28*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	74.88	
		For Piles Driven In Water, Add	*15.89*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	92.31	
		For Piles Driven In Water, Add	*18.24*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	105.09	
		For Piles Driven In Water, Add	*20.20*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	114.37	
		For Piles Driven In Water, Add	*21.94*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	73.26	
		For Piles Driven In Water, Add	*15.73*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	74.74	
		For Piles Driven In Water, Add	*16.48*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	92.77	
		For Piles Driven In Water, Add	*18.97*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	107.86	
		For Piles Driven In Water, Add	*21.29*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	41.56	
		For Piles Driven In Water, Add	*11.25*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	45.82	
		For Piles Driven In Water, Add	*12.47*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	50.02	
		For Piles Driven In Water, Add	*13.67*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	54.28	
		For Piles Driven In Water, Add	*14.88*	
		For Thick Wall Shell, Add	*0.11*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	58.54	
		For Piles Driven In Water, Add	*16.10*	
		For Thick Wall Shell, Add	*0.12*	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	40.84	
		For >50' To 100' Deep, Add	*4.24*	
		For >100' To 150' Deep, Add	*10.21*	
		For >150' To 200' Deep, Add	*13.98*	
		For Right Angle Drilling, Add	*9.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water	53.37	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*6.05*	
		For >100' To 150' Deep, Add	*13.34*	
		For >150' To 200' Deep, Add	*18.90*	
		For Right Angle Drilling, Add	*11.46*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water	77.05	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*9.08*	
		For >100' To 150' Deep, Add	*19.26*	
		For >150' To 200' Deep, Add	*27.72*	
		For Right Angle Drilling, Add	*15.45*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water	103.45	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*12.54*	
		For >100' To 150' Deep, Add	*25.86*	
		For >150' To 200' Deep, Add	*37.66*	
		For Right Angle Drilling, Add	*19.64*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water	134.87	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*16.87*	
		For >100' To 150' Deep, Add	*33.72*	
		For >150' To 200' Deep, Add	*49.74*	
		For Right Angle Drilling, Add	*24.00*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water	163.49	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.75*	
		For >100' To 150' Deep, Add	*40.87*	
		For >150' To 200' Deep, Add	*60.69*	
		For Right Angle Drilling, Add	*28.13*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	200.29	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.07*	
		For >100' To 150' Deep, Add	*50.07*	
		For >150' To 200' Deep, Add	*75.14*	
		For Right Angle Drilling, Add	*32.46*	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	237.66	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*31.46*	
		For >100' To 150' Deep, Add	*59.42*	
		For >150' To 200' Deep, Add	*89.83*	
		For Right Angle Drilling, Add	*36.85*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	279.83	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*37.53*	
		For >100' To 150' Deep, Add	*69.96*	
		For >150' To 200' Deep, Add	*106.37*	
		For Right Angle Drilling, Add	*41.88*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	328.55	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*44.57*	
		For >100' To 150' Deep, Add	*82.14*	
		For >150' To 200' Deep, Add	*125.53*	
		For Right Angle Drilling, Add	*47.58*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	377.48	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*51.74*	
		For >100' To 150' Deep, Add	*94.37*	
		For >150' To 200' Deep, Add	*144.89*	
		For Right Angle Drilling, Add	*53.00*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	429.87	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*59.45*	
		For >100' To 150' Deep, Add	*107.47*	
		For >150' To 200' Deep, Add	*165.67*	
		For Right Angle Drilling, Add	*58.69*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	289.05	
		For >50' To 100' Deep, Add	*24.51*	
		For >100' To 150' Deep, Add	*72.26*	
		For >150' To 200' Deep, Add	*92.06*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,016.70	
		For >50' To 100' Deep, Add	*86.38*	
		For >100' To 150' Deep, Add	*254.18*	
		For >150' To 200' Deep, Add	*324.03*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	1,546.51	
		For >50' To 100' Deep, Add	*133.85*	
		For >100' To 150' Deep, Add	*386.63*	
		For >150' To 200' Deep, Add	*495.95*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	2,148.23	
		For >50' To 100' Deep, Add	*186.35*	
		For >100' To 150' Deep, Add	*537.06*	
		For >150' To 200' Deep, Add	*689.44*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	2,896.39	
		For >50' To 100' Deep, Add	*246.01*	
		For >100' To 150' Deep, Add	*724.10*	
		For >150' To 200' Deep, Add	*923.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	3,405.19	
		For >50' To 100' Deep, Add	*289.08*	
		For >100' To 150' Deep, Add	*851.30*	
		For >150' To 200' Deep, Add	*1,084.95*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	5,771.00	
		For >50' To 100' Deep, Add	*488.76*	
		For >100' To 150' Deep, Add	*1,442.75*	
		For >150' To 200' Deep, Add	*1,837.28*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	8,374.46	
		For >50' To 100' Deep, Add	*717.75*	
		For >100' To 150' Deep, Add	*2,093.62*	
		For >150' To 200' Deep, Add	*2,676.76*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	44.05	
		For >50' To 100' Deep, Add	*4.46*	
		For >100' To 150' Deep, Add	*11.01*	
		For >150' To 200' Deep, Add	*14.94*	
		For Right Angle Drilling, Add	*11.12*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	73.63	
		For >50' To 100' Deep, Add	*7.47*	
		For >100' To 150' Deep, Add	*18.41*	
		For >150' To 200' Deep, Add	*24.98*	
		For Right Angle Drilling, Add	*18.55*	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	99.77	
		For >50' To 100' Deep, Add	*10.67*	
		For >100' To 150' Deep, Add	*24.94*	
		For >150' To 200' Deep, Add	*34.54*	
		For Right Angle Drilling, Add	*23.40*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	137.85	
		For >50' To 100' Deep, Add	*14.95*	
		For >100' To 150' Deep, Add	*34.46*	
		For >150' To 200' Deep, Add	*47.98*	
		For Right Angle Drilling, Add	*31.68*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	177.41	
		For >50' To 100' Deep, Add	*19.84*	
		For >100' To 150' Deep, Add	*44.35*	
		For >150' To 200' Deep, Add	*62.50*	
		For Right Angle Drilling, Add	*38.89*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	214.00	
		For >50' To 100' Deep, Add	*24.29*	
		For >100' To 150' Deep, Add	*53.50*	
		For >150' To 200' Deep, Add	*75.84*	
		For Right Angle Drilling, Add	*45.81*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	276.41	
		For >50' To 100' Deep, Add	*31.39*	
		For >100' To 150' Deep, Add	*69.10*	
		For >150' To 200' Deep, Add	*97.98*	
		For Right Angle Drilling, Add	*59.10*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	338.71	
		For >50' To 100' Deep, Add	*38.53*	
		For >100' To 150' Deep, Add	*84.68*	
		For >150' To 200' Deep, Add	*120.14*	
		For Right Angle Drilling, Add	*72.22*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.	390.41	
		For >50' To 100' Deep, Add	*45.27*	
		For >100' To 150' Deep, Add	*97.60*	
		For >150' To 200' Deep, Add	*139.55*	
		For Right Angle Drilling, Add	*80.59*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	448.63	
		For >50' To 100' Deep, Add	*52.98*	
		For >100' To 150' Deep, Add	*112.16*	
		For >150' To 200' Deep, Add	*161.56*	
		For Right Angle Drilling, Add	*89.61*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	513.36	
		For >50' To 100' Deep, Add	*61.25*	
		For >100' To 150' Deep, Add	*128.34*	
		For >150' To 200' Deep, Add	*185.66*	
		For Right Angle Drilling, Add	*100.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	581.81	
		For >50' To 100' Deep, Add	*70.09*	
		For >100' To 150' Deep, Add	*145.45*	
		For >150' To 200' Deep, Add	*211.25*	
		For Right Angle Drilling, Add	*111.87*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	324.65	
		For >50' To 100' Deep, Add	*27.00*	
		For >100' To 150' Deep, Add	*81.16*	
		For >150' To 200' Deep, Add	*102.74*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,132.10	
		For >50' To 100' Deep, Add	*94.46*	
		For >100' To 150' Deep, Add	*283.03*	
		For >150' To 200' Deep, Add	*358.65*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	1,516.21	
		For >50' To 100' Deep, Add	*115.88*	
		For >100' To 150' Deep, Add	*379.05*	
		For >150' To 200' Deep, Add	*467.05*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	2,496.21	
		For >50' To 100' Deep, Add	*210.71*	
		For >100' To 150' Deep, Add	*624.05*	
		For >150' To 200' Deep, Add	*793.83*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	3,225.27	
		For >50' To 100' Deep, Add	*269.03*	
		For >100' To 150' Deep, Add	*806.32*	
		For >150' To 200' Deep, Add	*1,021.66*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	3,792.11	
		For >50' To 100' Deep, Add	*316.16*	
		For >100' To 150' Deep, Add	*948.03*	
		For >150' To 200' Deep, Add	*1,201.03*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	6,428.76	
		For >50' To 100' Deep, Add	*534.80*	
		For >100' To 150' Deep, Add	*1,607.19*	
		For >150' To 200' Deep, Add	*2,034.61*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	9,314.12	
		For >50' To 100' Deep, Add	*783.53*	
		For >100' To 150' Deep, Add	*2,328.53*	
		For >150' To 200' Deep, Add	*2,958.66*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	157.86	
		For >50' To 100' Deep, Add	*12.43*	
		For >100' To 150' Deep, Add	*39.47*	
		For >150' To 200' Deep, Add	*49.08*	
		For Right Angle Drilling, Add	*50.95*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	263.35	
		For >50' To 100' Deep, Add	*20.75*	
		For >100' To 150' Deep, Add	*65.84*	
		For >150' To 200' Deep, Add	*81.89*	
		For Right Angle Drilling, Add	*84.95*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	397.75	
		For >50' To 100' Deep, Add	*31.53*	
		For >100' To 150' Deep, Add	*99.44*	
		For >150' To 200' Deep, Add	*123.93*	
		For Right Angle Drilling, Add	*127.69*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	510.45	
		For >50' To 100' Deep, Add	*41.03*	
		For >100' To 150' Deep, Add	*127.61*	
		For >150' To 200' Deep, Add	*159.76*	
		For Right Angle Drilling, Add	*162.09*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	646.48	
		For >50' To 100' Deep, Add	*52.68*	
		For >100' To 150' Deep, Add	*161.62*	
		For >150' To 200' Deep, Add	*203.23*	
		For Right Angle Drilling, Add	*203.07*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	780.78	
		For >50' To 100' Deep, Add	*63.97*	
		For >100' To 150' Deep, Add	*195.20*	
		For >150' To 200' Deep, Add	*245.87*	
		For Right Angle Drilling, Add	*244.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	957.59	
		For >50' To 100' Deep, Add	*79.08*	
		For >100' To 150' Deep, Add	*239.40*	
		For >150' To 200' Deep, Add	*302.33*	
		For Right Angle Drilling, Add	*297.51*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	1,134.44	
		For >50' To 100' Deep, Add	*94.24*	
		For >100' To 150' Deep, Add	*283.61*	
		For >150' To 200' Deep, Add	*358.86*	
		For Right Angle Drilling, Add	*350.73*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	1,252.73	
		For >50' To 100' Deep, Add	*105.63*	
		For >100' To 150' Deep, Add	*313.18*	
		For >150' To 200' Deep, Add	*398.24*	
		For Right Angle Drilling, Add	*382.40*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	1,377.00	
		For >50' To 100' Deep, Add	*117.96*	
		For >100' To 150' Deep, Add	*344.25*	
		For >150' To 200' Deep, Add	*440.07*	
		For Right Angle Drilling, Add	*414.54*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	1,423.83	
		For >50' To 100' Deep, Add	*124.99*	
		For >100' To 150' Deep, Add	*355.96*	
		For >150' To 200' Deep, Add	*458.80*	
		For Right Angle Drilling, Add	*419.22*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	1,696.69	
		For >50' To 100' Deep, Add	*148.13*	
		For >100' To 150' Deep, Add	*424.17*	
		For >150' To 200' Deep, Add	*545.71*	
		For Right Angle Drilling, Add	*502.08*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	546.05	
		For >50' To 100' Deep, Add	*42.50*	
		For >100' To 150' Deep, Add	*136.51*	
		For >150' To 200' Deep, Add	*169.16*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	1,922.09	
		For >50' To 100' Deep, Add	*149.76*	
		For >100' To 150' Deep, Add	*480.52*	
		For >150' To 200' Deep, Add	*595.65*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	2,890.22	
		For >50' To 100' Deep, Add	*227.91*	
		For >100' To 150' Deep, Add	*722.56*	
		For >150' To 200' Deep, Add	*899.06*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	4,113.34	
		For >50' To 100' Deep, Add	*323.91*	
		For >100' To 150' Deep, Add	*1,028.34*	
		For >150' To 200' Deep, Add	*1,278.97*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	5,421.65	
		For >50' To 100' Deep, Add	*422.78*	
		For >100' To 150' Deep, Add	*1,355.41*	
		For >150' To 200' Deep, Add	*1,680.58*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	6,599.39	
		For >50' To 100' Deep, Add	*512.67*	
		For >100' To 150' Deep, Add	*1,649.85*	
		For >150' To 200' Deep, Add	*2,043.21*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	10,008.04	
		For >50' To 100' Deep, Add	*785.35*	
		For >100' To 150' Deep, Add	*2,502.01*	
		For >150' To 200' Deep, Add	*3,108.40*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	15,066.53	
		For >50' To 100' Deep, Add	*1,186.20*	
		For >100' To 150' Deep, Add	*3,766.63*	
		For >150' To 200' Deep, Add	*4,684.38*	

31 64 13 00-0070 Set-up And Removal Of Caisson *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set-up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	2,281.95	
31 64 13 00-0072	EA	Erect, Set-up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	3,284.53	
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,050.25	
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	1,400.33	
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	87.52	

31 66 Special Foundation *(31 60)*

31 66 15 Helical Foundation Piles *(31 66)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 66 15 00-0001		Helical Pier Restoration (Atlas) *(31 66 15)*		
31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling	3,933.94	
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.	453.32	
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	458.41	

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001		Materials And Placement *(31 68 13)*		
31 68 13 00-0002		Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0003		3/4" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	206.09	
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	303.14	
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	389.60	
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	497.25	
31 68 13 00-0008		1" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	278.35	
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	442.09	
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	595.24	
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	769.63	
31 68 13 00-0013		1-3/8" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	501.17	
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	792.69	
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,073.66	
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,375.77	
31 68 13 00-0018		2" Diameter *(31 68 13 00-0002)*		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,178.84	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,762.20	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	2,334.89	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	2,928.85	
31 68 13 00-0023		Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		3/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	132.96	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	177.44	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	211.19	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	263.72	
31 68 13 00-0029		1" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	170.47	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	240.63	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	297.18	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	374.92	
31 68 13 00-0034		1-1/4" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	280.63	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	398.53	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	505.16	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	628.52	
31 68 13 00-0039		2" Diameter *(31 68 13 00-0023)*		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	841.36	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,201.69	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,486.07	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	1,808.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0044		**Solid Rebar Anchors, ASTM A615** *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		**3/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	120.92	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	151.97	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	172.39	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	214.04	
31 68 13 00-0050		**1" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	144.10	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	190.30	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	225.96	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	282.72	
31 68 13 00-0055		**1-1/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	236.82	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	303.05	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	358.82	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	435.74	
31 68 13 00-0060		**Resin Anchoring With Grade 60 Rebar** *(31 68 13 00-0001)* Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		**Rebar #6** *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	39.55	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	57.91	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	65.68	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	79.10	
31 68 13 00-0066		**Rebar #8** *(31 68 13 00-0060)*		
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	45.59	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	70.00	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	83.81	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	118.81	
31 68 13 00-0071		**Rebar #10** *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	54.23	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	87.26	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	109.71	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	153.35	
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	74.95	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	128.70	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	171.87	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	236.23	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.88	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	3.31	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	4.54	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.86	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	5.25	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	6.03	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	7.56	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	10.38	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	37.77	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	31.81	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	33.37	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	59.91	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	59.91	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	56.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	40.71	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	34.84	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	36.39	
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	63.02	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	63.02	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	60.09	
31 68 13 00-0106		**1-1/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	90.82	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	106.10	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	107.61	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	95.44	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	111.28	
31 68 13 00-0112		**1-7/8" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0115		**2" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0118		**Steel Plates With Standard Hole And Washers** *(31 68 13 00-0001)*		
31 68 13 00-0119		**Steel Plates** *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.94	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	7.28	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	10.14	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.77	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.90	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	18.12	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	30.08	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	42.62	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	25.58	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	72.37	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	106.64	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	46.81	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	126.61	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	63.32	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	152.29	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	69.89	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	168.90	
31 68 13 00-0137		**Hardened Washers** *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.25	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.73	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	4.83	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	12.04	
31 68 13 00-0142		**Beveled Washers** *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.15	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.11	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	4.70	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	20.12	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	13.90	
31 68 13 00-0148		**Hex Nuts** *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.46	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.01	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	16.45	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	10.36	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	66.09	
31 68 13 00-0154		**Drilling Operation For Rock Bolts** *(31 68 13)*		
31 68 13 00-0155		**Drill Holes For Rock Bolts** *(31 68 13 00-0154)*		
31 68 13 00-0156		**3/4" Diameter Bolt, 1-3/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	116.46	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	219.97	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	329.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	395.95	
31 68 13 00-0161		**1" Diameter Bolt, 2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	152.28	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	282.82	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	395.95	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	494.93	
31 68 13 00-0166		**1-1/4" Diameter Bolt, 2-1/4" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	164.97	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	329.96	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	494.93	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	659.91	
31 68 13 00-0171		**2" Diameter Bolt, 3-1/2" Hole** *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	197.97	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	395.95	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	659.91	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	989.86	
31 68 13 00-0176		**Tools** *(31 68 13)*		
31 68 13 00-0177		**Hydraulic Jacks, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	773.17	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,139.41	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,911.49	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,861.75	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,277.79	
31 68 13 00-0183		**Torque Wrenches And Ratchet Adapter, Monthly Rental** *(31 68 13 00-0176)*		
31 68 13 00-0184		**0-500 Foot Pounds (0-678J)** *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	270.56	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	169.59	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	440.48	
31 68 13 00-0188		**0-600 Foot Pounds (0-814J)** *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	307.18	
31 68 13 00-0190		**Up To 1,000 Foot Pounds (0-1356J)** *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	589.95	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	145.51	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	735.46	
31 68 13 00-0194		**Torque Multiplier, 4:1 Multiplier** *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	755.58	
31 68 13 00-0196		**Pneumatic Drive Torque Wrench** *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,616.75	
31 68 13 00-0198		**Grouting** *(31 68 13)*		
31 68 13 00-0199		**Grouting With Pumps** *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	17.60	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	22.77	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	21.66	
31 68 13 00-0203		**Grout Pumps, Monthly Rental** *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	189.95	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,597.88	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,789.75	
31 68 13 00-0207		**Rock Bolt Testing** *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	638.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.12	
		For Up To 250, Add	*0.56*	
		For >250 To 1,000, Add	*0.28*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 25,000, Deduct	*-0.28*	
		For >25,000 To 50,000, Deduct	*-0.39*	
		For >50,000, Deduct	*-0.45*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	1.34	
		For Up To 250, Add	*0.67*	
		For >250 To 1,000, Add	*0.34*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 25,000, Deduct	*-0.34*	
		For >25,000 To 50,000, Deduct	*-0.47*	
		For >50,000, Deduct	*-0.54*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	1.62	
		For Up To 250, Add	*0.81*	
		For >250 To 1,000, Add	*0.41*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 25,000, Deduct	*-0.41*	
		For >25,000 To 50,000, Deduct	*-0.57*	
		For >50,000, Deduct	*-0.65*	
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	1.54	
		For Up To 250, Add	*0.77*	
		For >250 To 1,000, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 25,000, Deduct	*-0.39*	
		For >25,000 To 50,000, Deduct	*-0.54*	
		For >50,000, Deduct	*-0.62*	
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	1.93	
		For Up To 250, Add	*0.97*	
		For >250 To 1,000, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 25,000, Deduct	*-0.48*	
		For >25,000 To 50,000, Deduct	*-0.68*	
		For >50,000, Deduct	*-0.77*	
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	1.93	
		For Up To 250, Add	*0.97*	
		For >250 To 1,000, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 25,000, Deduct	*-0.48*	
		For >25,000 To 50,000, Deduct	*-0.68*	
		For >50,000, Deduct	*-0.77*	

32 01 11 53-0008 Remove Thermoplastic Pavement Markings *(32 01 11 53)*

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	1.45	
		For Up To 250, Add	*0.73*	
		For >250 To 1,000, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 25,000, Deduct	*-0.36*	
		For >25,000 To 50,000, Deduct	*-0.51*	
		For >50,000, Deduct	*-0.58*	
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	1.70	
		For Up To 250, Add	*0.85*	
		For >250 To 1,000, Add	*0.43*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 25,000, Deduct	*-0.43*	
		For >25,000 To 50,000, Deduct	*-0.60*	
		For >50,000, Deduct	*-0.68*	
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	2.06	
		For Up To 250, Add	*1.03*	
		For >250 To 1,000, Add	*0.52*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 25,000, Deduct	*-0.52*	
		For >25,000 To 50,000, Deduct	*-0.72*	
		For >50,000, Deduct	*-0.82*	
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	1.96	
		For Up To 250, Add	*0.98*	
		For >250 To 1,000, Add	*0.49*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 25,000, Deduct	*-0.49*	
		For >25,000 To 50,000, Deduct	*-0.69*	
		For >50,000, Deduct	*-0.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	2.47	
		For Up To 250, Add	*1.24*	
		For >250 To 1,000, Add	*0.62*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 25,000, Deduct	*-0.62*	
		For >25,000 To 50,000, Deduct	*-0.86*	
		For >50,000, Deduct	*-0.99*	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	2.47	
		For Up To 250, Add	*1.24*	
		For >250 To 1,000, Add	*0.62*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 25,000, Deduct	*-0.62*	
		For >25,000 To 50,000, Deduct	*-0.86*	
		For >50,000, Deduct	*-0.99*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001		Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*		
		Note: Includes sweeping and cleaning of area.		
32 01 13 61-0002	EA	Minimum Charge For Asphalt Seal Coating	859.00	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 01 13 61-0003	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat	4.64	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	4.40	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0005	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	4.21	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0006	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	4.04	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0007	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	3.88	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0008	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	3.73	
		Note: 1/4" thick, 14 to 18 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0009	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat	5.94	
		Note: 3/8" thick, 25 to 30 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0010	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	5.68	
		Note: 3/8" thick, 25 to 30 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0011	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	5.48	
		Note: 3/8" thick, 25 to 30 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0012	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat	5.29	
		Note: 3/8" thick, 25 to 30 Lb./SY.		
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0013	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.12	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0014	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	4.97	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.74
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.34
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.98
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.68
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.41
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.17
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.00
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.91

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0031 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	3.10
		For Up To 2,500, Add	*2.33*
		For >2,500 To 5,000, Add	*0.78*
		For >10,000 To 25,000, Deduct	*-0.54*
		For >25,000, Deduct	*-0.78*
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	3.92
		For Up To 2,500, Add	*2.94*
		For >2,500 To 5,000, Add	*0.98*
		For >10,000 To 25,000, Deduct	*-0.69*
		For >25,000, Deduct	*-0.98*
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	5.22
		For Up To 2,500, Add	*3.92*
		For >2,500 To 5,000, Add	*1.31*
		For >10,000 To 25,000, Deduct	*-0.91*
		For >25,000, Deduct	*-1.31*

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0031 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	20.67
		For >100 To 1,000, Deduct	*-10.34*
		For >1,000, Deduct	*-15.50*
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	27.36
		For >100 To 1,000, Deduct	*-13.68*
		For >1,000, Deduct	*-20.52*
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	36.45
		For >100 To 1,000, Deduct	*-18.23*
		For >1,000, Deduct	*-27.34*

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*
Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.08

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*
Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings	10.95
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings	16.88

32 01 16 74-0004 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*
Note: Includes direct loading into truck.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0005	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.13	
32 01 16 74-0006	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.57	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.78	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.63	
32 01 16 74-0009	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.03	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	12.14	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.08	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	2.87	
32 01 16 74-0013	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	13.36	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	6.68	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.34	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.08	
32 01 16 74-0017	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	14.57	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	7.29	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.64	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.39	
32 01 16 74-0021	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,252.33	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.58
		For 3/4" x 1/2" Fill, Add	*0.51*
		For 1" x 1/2" Fill, Add	*0.98*
		For Backer Rod, Add	*0.99*
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.30
		For 3/4" x 1/2" Fill, Add	*0.43*
		For 1" x 1/2" Fill, Add	*0.83*
		For Backer Rod, Add	*0.88*
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.04
		For 3/4" x 1/2" Fill, Add	*0.35*
		For 1" x 1/2" Fill, Add	*0.67*
		For Backer Rod, Add	*0.76*
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.91
		For 3/4" x 1/2" Fill, Add	*0.31*
		For 1" x 1/2" Fill, Add	*0.60*
		For Backer Rod, Add	*0.70*
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.80
		For 3/4" x 1/2" Fill, Add	*0.27*
		For 1" x 1/2" Fill, Add	*0.52*
		For Backer Rod, Add	*0.64*
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.74
		For 3/4" x 1/2" Fill, Add	*0.25*
		For 1" x 1/2" Fill, Add	*0.48*
		For Backer Rod, Add	*0.60*
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.13
		For 3/8" x 1/4" Fill, Add	*0.62*
		For 1/2" x 1/4" Fill, Add	*1.18*
		For 1/2" x 1/2" Fill, Add	*3.09*
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.74
		For 3/8" x 1/4" Fill, Add	*0.52*
		For 1/2" x 1/4" Fill, Add	*0.98*
		For 1/2" x 1/2" Fill, Add	*2.59*
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.37
		For 3/8" x 1/4" Fill, Add	*0.42*
		For 1/2" x 1/4" Fill, Add	*0.79*
		For 1/2" x 1/2" Fill, Add	*2.11*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.20	
		For 3/8" x 1/4" Fill, Add	*0.37*	
		For 1/2" x 1/4" Fill, Add	*0.70*	
		For 1/2" x 1/2" Fill, Add	*1.86*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.07	
		For 3/8" x 1/4" Fill, Add	*0.33*	
		For 1/2" x 1/4" Fill, Add	*0.62*	
		For 1/2" x 1/2" Fill, Add	*1.65*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.00	
		For 3/8" x 1/4" Fill, Add	*0.30*	
		For 1/2" x 1/4" Fill, Add	*0.57*	
		For 1/2" x 1/2" Fill, Add	*1.52*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.28	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,164.86
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	354.66
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,104.65
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	334.59
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,074.54
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	324.55
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,044.43
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	314.51

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,202.48
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	391.46
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,172.37
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	381.42
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,142.26
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	371.38

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0057 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,559.97
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	232.69
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,499.76
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	212.62
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,469.65
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	202.58
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,439.54
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	192.54

32 01 17 63-0026 Grind Asphalt *(32 01 17 63)*

32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	11.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001 Roadway Grooving *(32 01 26 71)*

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	2,855.33
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	2.65
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	3,180.94
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	3.44

32 01 26 71-0006 Rumble Strips *(32 01 26 71)*

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	2,394.91
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.44
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	2,668.90
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.49

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001 Removal Of Concrete *(32 01 26 73)*

Note: Includes direct loading into truck.

32 01 26 73-0002 Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)*

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0031 for hauling.

32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	4.94

32 01 26 73-0004 Limited Production Milling *(32 01 26 73-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0031 for hauling.

32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	31.06

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001 Hot Applied Flexible Concrete Repair *(32 01 29 61)*

Note: Excludes saw cutting (where required), flagmen.

32 01 29 61-0002	EA	Minimum Charge For Hot Applied Flexible Concrete Repair Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	894.63
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	68.02
		For >25 SF Quantity, Deduct	*-6.80*
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	131.10
		For >25 SF Quantity, Deduct	*-13.11*
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	193.85
		For >25 SF Quantity, Deduct	*-19.39*
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	256.61
		For >25 SF Quantity, Deduct	*-25.66*
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	319.35
		For >25 SF Quantity, Deduct	*-31.94*
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	381.78

32 01 29 61-0009 Cold Applied Flexible Concrete Repair *(32 01 29 61)*

32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	5.19
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	8.13
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	11.15
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	14.23
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	20.65
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	5.28
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	8.23
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	11.24
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	14.32
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	20.74
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	5.23
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	8.18
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	11.20
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	14.27
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	20.69

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	10.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	6.20	
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	7.04	
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	5.43	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	118.48	
		For <1 Acre, Add	*29.62*	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	16.14	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	18.45	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	20.76	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	23.07	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	35.06	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	65.50	
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	61.34	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	124.75	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	98.23	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	199.55	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	113.51	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	230.78	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	131.95	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	268.21	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	160.63	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	324.39	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	199.52	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	408.83	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	273.29	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	554.11	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	433.56	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	891.09	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	19.79	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	22.61	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	25.42	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	28.28	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	42.95	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	80.22	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	75.14	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	152.82	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	120.36	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	244.45	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	139.04	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	282.69	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	161.64	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	328.53	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	196.75	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	397.40	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	244.41	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	500.82	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	334.77	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	678.78	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	531.11	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,091.58	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	21.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	24.91	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	28.05	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	31.14	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	47.33	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	88.45	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	82.81	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	168.41	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	132.63	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	269.40	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	153.25	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	311.57	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	178.15	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	362.09	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	216.86	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	437.94	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	269.36	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	551.90	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	368.96	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	748.01	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	585.32	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,202.98	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	23.44	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	26.76	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	30.12	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	33.44	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	50.83	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	95.00	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	88.95	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	180.89	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	142.46	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	289.37	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	164.59	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	334.65	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	191.35	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	388.91	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	232.91	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	470.38	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	289.33	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	592.83	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	396.27	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	803.46	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	628.68	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,292.06	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	26.89	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	30.76	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	34.60	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	38.43	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	58.40	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	109.16	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	102.22	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	207.90	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	163.72	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	332.59	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	189.19	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	384.61	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	219.91	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	446.99	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	267.70	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	540.67	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	332.56	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	681.39	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	455.50	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	923.54	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	722.60	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,485.18	

32 01 90 23-0117 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed	52.57	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height	1.85	
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height	4.16	
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'	7.38	
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground	18.45	
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work	46.13	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	36.84
32 01 90 26-0003	CSF	Watering Groundcover	5.51
32 01 90 26-0004	CSF	Watering Annuals And Perennials	9.49
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	17.78
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	23.39
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	29.00
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	35.71
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	8.96

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	4.86
		For >45 To 90, Deduct	*-0.29*
		For >90 To 225, Deduct	*-0.77*
		For >225 To 870, Deduct	*-1.26*
		For >870, Deduct	*-1.54*
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	5.56
		For >45 To 90, Deduct	*-0.36*
		For >90 To 225, Deduct	*-0.91*
		For >225 To 870, Deduct	*-1.47*
		For >870, Deduct	*-1.82*
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF)	5.51
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	*-0.35*
		For >90 To 225, Deduct	*-0.90*
		For >225 To 870, Deduct	*-1.45*
		For >870, Deduct	*-1.80*
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF)	5.95
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	*-0.40*
		For >90 To 225, Deduct	*-0.99*
		For >225 To 870, Deduct	*-1.59*
		For >870, Deduct	*-1.98*

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	6.74
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	6.78
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	7.88

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	22.21
32 01 90 43-0002	MSF	Weed Unmulched Bed	63.44
32 01 90 43-0003	MSF	Cultivate Bed	34.16

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	3.09
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	4.64
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	7.02
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	7.16

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	4.69

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 11 16 16-0001 **Base And Subbase Courses For Roadways And Parking Areas** *(32 11 16 16)*
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 11 16 16-0002 **Base And Subbase Courses By The CY** *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class 5 Granite Roadway Base Course	86.25	
		For Limestone, Deduct	*-7.82*	

32 11 16 16-0004 **Base And Subbase Courses For Roadways And Parking Areas By The SY** *(32 11 16 16-0001)*

32 11 16 16-0005	SY	2" Crushed Aggregate Base Course For Roadways And Parking Areas	4.20	
		For Limestone, Deduct	*-0.37*	
		For Up To 500, Add	*1.06*	
		For >500 To 1,000, Add	*0.42*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.27*	
32 11 16 16-0006	SY	4" Crushed Aggregate Base Course For Roadways And Parking Areas	7.69	
		For Limestone, Deduct	*-0.62*	
		For Up To 500, Add	*1.97*	
		For >500 To 1,000, Add	*0.77*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.50*	
32 11 16 16-0007	SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	12.23	
		For Limestone, Deduct	*-1.05*	
		For Up To 500, Add	*3.09*	
		For >500 To 1,000, Add	*1.22*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.79*	
32 11 16 16-0008	SY	9" Crushed Aggregate Base Course For Roadways And Parking Areas	17.65	
		For Limestone, Deduct	*-1.45*	
		For Up To 500, Add	*4.50*	
		For >500 To 1,000, Add	*1.77*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000, Deduct	*-1.15*	
32 11 16 16-0009	SY	12" Crushed Aggregate Base Course For Roadways And Parking Areas	22.23	
		For Limestone, Deduct	*-2.19*	
		For Up To 500, Add	*5.46*	
		For >500 To 1,000, Add	*2.22*	
		For >5,000 To 10,000, Deduct	*-0.84*	
		For >10,000, Deduct	*-1.44*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 **Base Courses For Sidewalk (Asphalt Or Concrete)** *(32 11 23 16)*
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.63	
		For Up To 1,000, Add	*0.17*	
		For >1,000 To 2,500, Add	*0.06*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.87	
		For Up To 1,000, Add	*0.24*	
		For >1,000 To 2,500, Add	*0.09*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.12	
		For Up To 1,000, Add	*0.31*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.47	
		For Up To 1,000, Add	*0.40*	
		For >1,000 To 2,500, Add	*0.15*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.81	
		For Up To 1,000, Add	*0.49*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.09	
		For Up To 1,000, Add	*0.57*	
		For >1,000 To 2,500, Add	*0.21*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.36	
		For Up To 1,000, Add	*0.64*	
		For >1,000 To 2,500, Add	*0.24*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 **Bituminous-Stabilized Base Courses** *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	84.99	

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.67	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.77	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.08*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.97	
		For Up To 150, Add	*0.22*	
		For >150 To 300, Add	*0.10*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	1.07	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.27	
		For Up To 150, Add	*0.29*	
		For >150 To 300, Add	*0.13*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.09*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.38	
		For Up To 150, Add	*0.32*	
		For >150 To 300, Add	*0.14*	
		For >300 To 500, Add	*0.07*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.10*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	2.43	
		For Up To 150, Add	*0.58*	
		For >150 To 300, Add	*0.24*	
		For >300 To 500, Add	*0.12*	
		For >3,500 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.17*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	2.59	
		For Up To 150, Add	*0.62*	
		For >150 To 300, Add	*0.26*	
		For >300 To 500, Add	*0.13*	
		For >3,500 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.19*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.76	
		For Up To 150, Add	*0.66*	
		For >150 To 300, Add	*0.28*	
		For >300 To 500, Add	*0.14*	
		For >3,500 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.20*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0031 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: S (3/4") aggregate gradation

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	113.39	
		For Up To 25, Add	*15.15*	
		For >25 To 50, Add	*8.32*	
		For >500 To 1,000, Deduct	*-4.85*	
		For >1,000 To 2,500, Deduct	*-8.79*	
		For >2,500 To 5,000, Deduct	*-13.64*	
		For >5,000, Deduct	*-19.54*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	6.40	
		For Up To 1,000, Add	*0.88*	
		For >1,000 To 2,000, Add	*0.49*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000 To 50,000, Deduct	*-0.51*	
		For >50,000 To 100,000, Deduct	*-0.79*	
		For >100,000, Deduct	*-1.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	9.50	
		For Up To 700, Add	*1.29*	
		For >700 To 1,400, Add	*0.71*	
		For >7,000 To 14,000, Deduct	*-0.42*	
		For >14,000 To 32,000, Deduct	*-0.76*	
		For >32,000 To 64,000, Deduct	*-1.18*	
		For >64,000, Deduct	*-1.69*	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	12.35	
		For Up To 500, Add	*1.63*	
		For >500 To 1,000, Add	*0.90*	
		For >5,000 To 10,000, Deduct	*-0.55*	
		For >10,000 To 24,000, Deduct	*-1.00*	
		For >24,000 To 48,000, Deduct	*-1.55*	
		For >48,000, Deduct	*-2.23*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	15.56	
		For Up To 400, Add	*2.08*	
		For >400 To 800, Add	*1.14*	
		For >4,000 To 8,000, Deduct	*-0.69*	
		For >8,000 To 20,000, Deduct	*-1.26*	
		For >20,000 To 40,000, Deduct	*-1.95*	
		For >40,000, Deduct	*-2.79*	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	18.68	
		For Up To 340, Add	*2.50*	
		For >340 To 680, Add	*2.13*	
		For >3,400 To 6,800, Deduct	*-0.83*	
		For >6,800 To 17,000, Deduct	*-1.51*	
		For >17,000 To 34,000, Deduct	*-2.34*	
		For >34,000, Deduct	*-3.35*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	21.79	
		For Up To 280, Add	*2.91*	
		For >280 To 560, Add	*1.60*	
		For >2,800 To 5,600, Deduct	*-0.97*	
		For >5,600 To 14,000, Deduct	*-1.76*	
		For >14,000 To 28,000, Deduct	*-2.73*	
		For >28,000, Deduct	*-3.91*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	24.91	
		For Up To 250, Add	*3.33*	
		For >250 To 500, Add	*1.83*	
		For >2,500 To 5,000, Deduct	*-1.11*	
		For >5,000 To 12,000, Deduct	*-2.01*	
		For >12,000 To 24,000, Deduct	*-3.11*	
		For >24,000, Deduct	*-4.47*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	31.13	
		For Up To 200, Add	*4.16*	
		For >200 To 400, Add	*2.28*	
		For >2,000 To 4,000, Deduct	*-1.38*	
		For >4,000 To 10,000, Deduct	*-2.51*	
		For >10,000 To 20,000, Deduct	*-3.89*	
		For >20,000, Deduct	*-5.59*	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	37.36	
		For Up To 160, Add	*4.99*	
		For >160 To 320, Add	*2.74*	
		For >1,600 To 3,200, Deduct	*-1.66*	
		For >3,200 To 8,000, Deduct	*-3.01*	
		For >8,000 To 16,000, Deduct	*-4.67*	
		For >16,000, Deduct	*-6.70*	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: SX (1/2") aggregate gradation

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	114.48	
		For Up To 25, Add	*16.21*	
		For >25 To 50, Add	*9.03*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000 To 2,500, Deduct	*-8.53*	
		For >2,500 To 5,000, Deduct	*-13.23*	
		For >5,000, Deduct	*-18.97*	
32 12 16 13-0014	SY	1" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	6.21	
		For Up To 1,000, Add	*0.91*	
		For >1,000 To 2,000, Add	*0.51*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000 To 50,000, Deduct	*-0.48*	
		For >50,000 To 100,000, Deduct	*-0.74*	
		For >100,000, Deduct	*-1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0015	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	9.21	
		For Up To 700, Add	*1.33*	
		For >700 To 1,400, Add	*0.75*	
		For >7,000 To 14,000, Deduct	*-0.39*	
		For >14,000 To 32,000, Deduct	*-0.71*	
		For >32,000 To 64,000, Deduct	*-1.11*	
		For >64,000, Deduct	*-1.59*	
32 12 16 13-0016	SY	2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	11.86	
		For Up To 500, Add	*1.66*	
		For >500 To 1,000, Add	*0.92*	
		For >5,000 To 10,000, Deduct	*-0.51*	
		For >10,000 To 24,000, Deduct	*-0.94*	
		For >24,000 To 48,000, Deduct	*-1.45*	
		For >48,000, Deduct	*-2.08*	
32 12 16 13-0017	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	15.00	
		For Up To 400, Add	*2.12*	
		For >400 To 800, Add	*1.18*	
		For >4,000 To 8,000, Deduct	*-0.65*	
		For >8,000 To 20,000, Deduct	*-1.18*	
		For >20,000 To 40,000, Deduct	*-1.82*	
		For >40,000, Deduct	*-2.62*	
32 12 16 13-0018	SY	3" Thick Bituminous Hot Mix Surface Wearing Course Note: Includes placement, rolling, finishing and sweeping.	18.01	
		For Up To 340, Add	*2.55*	
		For >340 To 680, Add	*2.11*	
		For >3,400 To 6,800, Deduct	*-0.78*	
		For >6,800 To 17,000, Deduct	*-1.41*	
		For >17,000 To 34,000, Deduct	*-2.19*	
		For >34,000, Deduct	*-3.14*	

32 12 16 13-0019 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0020	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	264.92	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	10.06	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	9.82	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	16.16	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.88	
		For Up To 50, Add	*0.40*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.03	
		For Up To 50, Add	*0.43*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	27.03	
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	20.30	
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	12.67	

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 30 Lb. of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.52	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.54	

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 20 Lb. of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.75	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.42	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.26	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.08	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.98	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.91	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.81	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.76	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.55	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.97	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.89	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.64	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.49	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.38	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.32	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.27	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.84	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.60	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.34	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.00	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.86	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	

32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.33	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.88	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.65	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.39	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.25	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.12	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.92	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.85	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	

32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.75	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.16	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.81	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.41	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.20	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.94	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.73	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.64	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	

32 12 36 13-0047 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0048	SY	Up To 200 SY, CQS-1h, Fog Seal	1.57
32 12 36 13-0049	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.21
32 12 36 13-0050	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.06
32 12 36 13-0051	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	0.95
32 12 36 13-0052	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.88
32 12 36 13-0053	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.83
32 12 36 13-0054	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.79
32 12 36 13-0055	SY	>50,000 SY, CQS-1h, Fog Seal	0.77

32 12 36 13-0056 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0057	SY	Up To 200 SY, Sand Seal	2.44
32 12 36 13-0058	SY	>200 To 500 SY, Sand Seal	1.68
32 12 36 13-0059	SY	>500 To 1,000 SY, Sand Seal	1.68
32 12 36 13-0060	SY	>1,000 To 5,000 SY, Sand Seal	1.51
32 12 36 13-0061	SY	>5,000 To 10,000 SY, Sand Seal	1.41
32 12 36 13-0062	SY	>10,000 To 20,000 SY, Sand Seal	1.33
32 12 36 13-0063	SY	>20,000 To 50,000 SY, Sand Seal	1.28
32 12 36 13-0064	SY	>50,000 SY, Sand Seal	1.26

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.62
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	15.78
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	13.97
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	12.65
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	10.84
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.04
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.55
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	19.58
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	17.36
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.78
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.56
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.35

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	34.67
		Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	
		For Up To 100, Add	*10.62*
		For >100 To 500, Add	*2.51*
		For >1,000 To 5,000, Deduct	*-0.78*
		For >5,000, Deduct	*-1.97*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 73 00-0001		Expansion Joint In Sidewalk *(32 12 73)*		
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	1.99	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

See CSI section 03 31 13 00-0016 for additional concrete at edges.

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	43.50	
		For 2,500 PSI Concrete, Deduct	*-3.09*	
		For 3,000 PSI Concrete, Deduct	*-2.02*	
		For 3,500 PSI Concrete, Deduct	*-1.61*	
		For 4,000 PSI Concrete, Deduct	*-0.70*	
		For 5,000 PSI Concrete, Add	*0.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*3.49*	
		For <12' Wide Pass, Add	*6.84*	
		For 24' Or Greater Wide Pass, Deduct	*-8.70*	
		For Air Entrainment, Add	*1.34*	
		For Slipforming, Deduct	*-4.35*	
		For Up To 100, Add	*15.35*	
		For >100 To 250, Add	*9.02*	
		For >250 To 500, Add	*4.51*	
		For >1,000 To 2,000, Deduct	*-1.34*	
		For >2,000 To 5,000, Deduct	*-2.43*	
		For >5,000 To 10,000, Deduct	*-3.52*	
		For >10,000 To 20,000, Deduct	*-4.61*	
		For >20,000, Deduct	*-5.69*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	52.20	
		For 2,500 PSI Concrete, Deduct	*-3.88*	
		For 3,000 PSI Concrete, Deduct	*-2.53*	
		For 3,500 PSI Concrete, Deduct	*-2.02*	
		For 4,000 PSI Concrete, Deduct	*-0.88*	
		For 5,000 PSI Concrete, Add	*0.54*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.38*	
		For <12' Wide Pass, Add	*7.99*	
		For 24' Or Greater Wide Pass, Deduct	*-10.44*	
		For Air Entrainment, Add	*1.69*	
		For Slipforming, Deduct	*-5.22*	
		For Up To 100, Add	*17.83*	
		For >100 To 250, Add	*10.60*	
		For >250 To 500, Add	*5.30*	
		For >1,000 To 2,000, Deduct	*-1.69*	
		For >2,000 To 5,000, Deduct	*-2.99*	
		For >5,000 To 10,000, Deduct	*-4.30*	
		For >10,000 To 20,000, Deduct	*-5.60*	
		For >20,000, Deduct	*-6.91*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	55.59	
		For 2,500 PSI Concrete, Deduct	*-4.09*	
		For 3,000 PSI Concrete, Deduct	*-2.67*	
		For 3,500 PSI Concrete, Deduct	*-2.13*	
		For 4,000 PSI Concrete, Deduct	*-0.93*	
		For 5,000 PSI Concrete, Add	*0.57*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.63*	
		For <12' Wide Pass, Add	*8.56*	
		For 24' Or Greater Wide Pass, Deduct	*-11.12*	
		For Air Entrainment, Add	*1.78*	
		For Slipforming, Deduct	*-5.56*	
		For Up To 100, Add	*19.12*	
		For >100 To 250, Add	*11.34*	
		For >250 To 500, Add	*5.67*	
		For >1,000 To 2,000, Deduct	*-1.78*	
		For >2,000 To 5,000, Deduct	*-3.17*	
		For >5,000 To 10,000, Deduct	*-4.56*	
		For >10,000 To 20,000, Deduct	*-5.95*	
		For >20,000, Deduct	*-7.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	67.03	
		For 2,500 PSI Concrete, Deduct	*-5.16*	
		For 3,000 PSI Concrete, Deduct	*-3.37*	
		For 3,500 PSI Concrete, Deduct	*-2.69*	
		For 4,000 PSI Concrete, Deduct	*-1.17*	
		For 5,000 PSI Concrete, Add	*0.72*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.83*	
		For <12' Wide Pass, Add	*10.03*	
		For 24' Or Greater Wide Pass, Deduct	*-13.41*	
		For Air Entrainment, Add	*2.24*	
		For Slipforming, Deduct	*-6.70*	
		For Up To 100, Add	*22.27*	
		For >100 To 250, Add	*13.38*	
		For >250 To 500, Add	*6.69*	
		For >1,000 To 2,000, Deduct	*-2.24*	
		For >2,000 To 5,000, Deduct	*-3.92*	
		For >5,000 To 10,000, Deduct	*-5.60*	
		For >10,000 To 20,000, Deduct	*-7.27*	
		For >20,000, Deduct	*-8.95*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	75.85	
		For 2,500 PSI Concrete, Deduct	*-5.66*	
		For 3,000 PSI Concrete, Deduct	*-3.69*	
		For 3,500 PSI Concrete, Deduct	*-2.96*	
		For 4,000 PSI Concrete, Deduct	*-1.28*	
		For 5,000 PSI Concrete, Add	*0.79*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.40*	
		For <12' Wide Pass, Add	*11.58*	
		For 24' Or Greater Wide Pass, Deduct	*-15.17*	
		For Air Entrainment, Add	*2.46*	
		For Slipforming, Deduct	*-7.59*	
		For Up To 100, Add	*25.81*	
		For >100 To 250, Add	*15.37*	
		For >250 To 500, Add	*7.68*	
		For >1,000 To 2,000, Deduct	*-2.46*	
		For >2,000 To 5,000, Deduct	*-4.36*	
		For >5,000 To 10,000, Deduct	*-6.26*	
		For >10,000 To 20,000, Deduct	*-8.15*	
		For >20,000, Deduct	*-10.05*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	86.28	
		For 2,500 PSI Concrete, Deduct	*-6.54*	
		For 3,000 PSI Concrete, Deduct	*-4.27*	
		For 3,500 PSI Concrete, Deduct	*-3.41*	
		For 4,000 PSI Concrete, Deduct	*-1.48*	
		For 5,000 PSI Concrete, Add	*0.91*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.40*	
		For <12' Wide Pass, Add	*13.03*	
		For 24' Or Greater Wide Pass, Deduct	*-17.26*	
		For Air Entrainment, Add	*2.85*	
		For Slipforming, Deduct	*-8.63*	
		For Up To 100, Add	*29.00*	
		For >100 To 250, Add	*17.35*	
		For >250 To 500, Add	*8.67*	
		For >1,000 To 2,000, Deduct	*-2.85*	
		For >2,000 To 5,000, Deduct	*-5.00*	
		For >5,000 To 10,000, Deduct	*-7.16*	
		For >10,000 To 20,000, Deduct	*-9.32*	
		For >20,000, Deduct	*-11.47*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	95.85	
		For 2,500 PSI Concrete, Deduct	*-7.20*	
		For 3,000 PSI Concrete, Deduct	*-4.70*	
		For 3,500 PSI Concrete, Deduct	*-3.76*	
		For 4,000 PSI Concrete, Deduct	*-1.63*	
		For 5,000 PSI Concrete, Add	*1.00*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.14*	
		For <12' Wide Pass, Add	*14.57*	
		For 24' Or Greater Wide Pass, Deduct	*-19.17*	
		For Air Entrainment, Add	*3.13*	
		For Slipforming, Deduct	*-9.59*	
		For Up To 100, Add	*32.47*	
		For >100 To 250, Add	*19.37*	
		For >250 To 500, Add	*9.68*	
		For >1,000 To 2,000, Deduct	*-3.13*	
		For >2,000 To 5,000, Deduct	*-5.53*	
		For >5,000 To 10,000, Deduct	*-7.92*	
		For >10,000 To 20,000, Deduct	*-10.32*	
		For >20,000, Deduct	*-12.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	114.01	
		For 2,500 PSI Concrete, Deduct	*-8.52*	
		For 3,000 PSI Concrete, Deduct	*-5.56*	
		For 3,500 PSI Concrete, Deduct	*-4.45*	
		For 4,000 PSI Concrete, Deduct	*-1.93*	
		For 5,000 PSI Concrete, Add	*1.19*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.64*	
		For <12' Wide Pass, Add	*17.38*	
		For 24' Or Greater Wide Pass, Deduct	*-22.80*	
		For Air Entrainment, Add	*3.71*	
		For Slipforming, Deduct	*-11.40*	
		For Up To 100, Add	*38.76*	
		For >100 To 250, Add	*23.09*	
		For >250 To 500, Add	*11.54*	
		For >1,000 To 2,000, Deduct	*-3.71*	
		For >2,000 To 5,000, Deduct	*-6.56*	
		For >5,000 To 10,000, Deduct	*-9.41*	
		For >10,000 To 20,000, Deduct	*-12.26*	
		For >20,000, Deduct	*-15.11*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	143.98	
		For 2,500 PSI Concrete, Deduct	*-10.47*	
		For 3,000 PSI Concrete, Deduct	*-6.83*	
		For 3,500 PSI Concrete, Deduct	*-5.46*	
		For 4,000 PSI Concrete, Deduct	*-2.37*	
		For 5,000 PSI Concrete, Add	*1.46*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.83*	
		For <12' Wide Pass, Add	*22.34*	
		For 24' Or Greater Wide Pass, Deduct	*-28.80*	
		For Air Entrainment, Add	*4.55*	
		For Slipforming, Deduct	*-14.40*	
		For Up To 100, Add	*49.98*	
		For >100 To 250, Add	*29.54*	
		For >250 To 500, Add	*14.77*	
		For >1,000 To 2,000, Deduct	*-4.55*	
		For >2,000 To 5,000, Deduct	*-8.15*	
		For >5,000 To 10,000, Deduct	*-11.75*	
		For >10,000 To 20,000, Deduct	*-15.35*	
		For >20,000, Deduct	*-18.95*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	2.39	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	13.43	
		For >5,000 To 30,000, Deduct	*-1.33*	
		For >30,000 To 100,000, Deduct	*-2.30*	
		For >100,000, Deduct	*-2.86*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	17.78	
		For >5,000 To 30,000, Deduct	*-1.70*	
		For >30,000 To 100,000, Deduct	*-2.88*	
		For >100,000, Deduct	*-3.58*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*

32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	325.54	
		For Custom Match Coloring, Add	*16.36*	
		For 1 Part Mildew Resistant, Add	*23.85*	
		For High-Modulus Non-Acid Curing, Add	*13.63*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	376.77	
		For Custom Match Coloring, Add	*24.53*	
		For 1 Part Mildew Resistant, Add	*35.78*	
		For High-Modulus Non-Acid Curing, Add	*20.44*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	428.01	
		For Custom Match Coloring, Add	*32.71*	
		For 1 Part Mildew Resistant, Add	*47.71*	
		For High-Modulus Non-Acid Curing, Add	*27.26*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	445.04	
		For Custom Match Coloring, Add	*36.80*	
		For 1 Part Mildew Resistant, Add	*53.67*	
		For High-Modulus Non-Acid Curing, Add	*30.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	504.73	
		For Custom Match Coloring, Add	*49.07*	
		For 1 Part Mildew Resistant, Add	*71.55*	
		For High-Modulus Non-Acid Curing, Add	*40.89*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	564.41	
		For Custom Match Coloring, Add	*61.33*	
		For 1 Part Mildew Resistant, Add	*89.44*	
		For High-Modulus Non-Acid Curing, Add	*51.11*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	632.68	
		For Custom Match Coloring, Add	*73.60*	
		For 1 Part Mildew Resistant, Add	*107.33*	
		For High-Modulus Non-Acid Curing, Add	*61.33*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	581.45	
		For Custom Match Coloring, Add	*65.42*	
		For 1 Part Mildew Resistant, Add	*95.41*	
		For High-Modulus Non-Acid Curing, Add	*54.52*	
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	683.92	
		For Custom Match Coloring, Add	*81.78*	
		For 1 Part Mildew Resistant, Add	*119.26*	
		For High-Modulus Non-Acid Curing, Add	*68.15*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	769.23	
		For Custom Match Coloring, Add	*98.13*	
		For 1 Part Mildew Resistant, Add	*143.11*	
		For High-Modulus Non-Acid Curing, Add	*81.78*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	854.53	
		For Custom Match Coloring, Add	*114.49*	
		For 1 Part Mildew Resistant, Add	*166.96*	
		For High-Modulus Non-Acid Curing, Add	*95.41*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	931.26	
		For Custom Match Coloring, Add	*130.84*	
		For 1 Part Mildew Resistant, Add	*190.81*	
		For High-Modulus Non-Acid Curing, Add	*109.04*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,007.99	
		For Custom Match Coloring, Add	*147.20*	
		For 1 Part Mildew Resistant, Add	*214.67*	
		For High-Modulus Non-Acid Curing, Add	*122.67*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,263.67	
		For Custom Match Coloring, Add	*204.44*	
		For 1 Part Mildew Resistant, Add	*298.15*	
		For High-Modulus Non-Acid Curing, Add	*170.37*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,519.34	
		For Custom Match Coloring, Add	*261.69*	
		For 1 Part Mildew Resistant, Add	*381.63*	
		For High-Modulus Non-Acid Curing, Add	*218.07*	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	8.20	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	338.45	59.88
		For >25 To 50, Deduct	*-9.45*	
		For >50 To 100, Deduct	*-19.39*	
		For >100 To 175, Deduct	*-27.86*	
		For >175 To 250, Deduct	*-38.79*	
		For >250, Deduct	*-49.72*	
32 13 73 19-0003	CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	399.34	63.88
		For >25 To 50, Deduct	*-11.42*	
		For >50 To 100, Deduct	*-23.56*	
		For >100 To 175, Deduct	*-33.55*	
		For >175 To 250, Deduct	*-47.12*	
		For >250, Deduct	*-60.70*	
32 13 73 19-0004	CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	485.82	67.87
		For >25 To 50, Deduct	*-14.29*	
		For >50 To 100, Deduct	*-29.65*	
		For >100 To 175, Deduct	*-41.79*	
		For >175 To 250, Deduct	*-59.30*	
		For >250, Deduct	*-76.80*	
32 13 73 19-0005	CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	801.54	75.85
		For >25 To 50, Deduct	*-25.02*	
		For >50 To 100, Deduct	*-52.53*	
		For >100 To 175, Deduct	*-72.57*	
		For >175 To 250, Deduct	*-105.06*	
		For >250, Deduct	*-137.55*	
32 13 73 19-0006	CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,148.51	89.84
		For >25 To 50, Deduct	*-36.60*	
		For >50 To 100, Deduct	*-77.15*	
		For >100 To 175, Deduct	*-105.87*	
		For >175 To 250, Deduct	*-154.31*	
		For >250, Deduct	*-202.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 19-0007	CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,773.96	99.81
		For >25 To 50, Deduct	*-58.10*	
		For >50 To 100, Deduct	*-123.07*	
		For >100 To 175, Deduct	*-167.41*	
		For >175 To 250, Deduct	*-246.13*	
		For >250, Deduct	*-324.85*	
32 13 73 19-0008	CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,592.87	110.90
		For >25 To 50, Deduct	*-86.31*	
		For >50 To 100, Deduct	*-183.37*	
		For >100 To 175, Deduct	*-248.20*	
		For >175 To 250, Deduct	*-366.75*	
		For >250, Deduct	*-485.30*	

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	4.40	0.57
		For >1,000 To 2,000, Deduct	*-0.77*	
		For >2,000 To 4,000, Deduct	*-1.11*	
		For >4,000, Deduct	*-1.43*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	4.87	0.57
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.40*	
		For >2,000, Deduct	*-0.59*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	4.64	0.57
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 1,500, Deduct	*-0.93*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	5.68	0.57
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 1,500, Deduct	*-1.19*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	7.69	0.57
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 1,500, Deduct	*-1.69*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	9.22	0.57
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 1,500, Deduct	*-2.08*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	0.74	
		For Up To 100, Add	*0.31*	
		For >100 To 500, Add	*0.09*	
		For >1,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.08*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	0.95	
		For Up To 100, Add	*0.36*	
		For >100 To 500, Add	*0.10*	
		For >1,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.09*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.26	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.12*	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	1.60	
		For Up To 100, Add	*0.58*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.13*	
32 14 11 00-0006	SF	1" Mortar Bedding	2.18	
		For Up To 100, Add	*0.95*	
		For >100 To 500, Add	*0.27*	
		For >1,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
32 14 11 00-0007	SF	2" Mortar Bedding	3.29	
		For Up To 100, Add	*1.36*	
		For >100 To 500, Add	*0.38*	
		For >1,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.36*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.13	
		For Up To 100, Add	*0.50*	
		For >100 To 500, Add	*0.14*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.62	2.02
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.89*	
		For 3-1/8" Concrete Paver, Add	*1.44*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.63*	
		For Up To 100, Add	*3.17*	
		For >100 To 500, Add	*0.84*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.75*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	8.24	1.84
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.87*	
		For 3-1/8" Concrete Paver, Add	*1.42*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.60*	
		For Up To 100, Add	*2.98*	
		For >100 To 500, Add	*0.78*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.69*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	7.91	1.47
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.85*	
		For 3-1/8" Concrete Paver, Add	*1.39*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.56*	
		For Up To 100, Add	*2.82*	
		For >100 To 500, Add	*0.73*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.64*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	7.60	1.52
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*0.84*	
		For 3-1/8" Concrete Paver, Add	*1.37*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.53*	
		For Up To 100, Add	*2.66*	
		For >100 To 500, Add	*0.68*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.59*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	8.07	1.75
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*0.86*	
		For 3-1/8" Concrete Paver, Add	*1.40*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.58*	
		For Up To 100, Add	*2.90*	
		For >100 To 500, Add	*0.75*	
		For >1,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.66*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	10.55	1.75
		For Up To 100, Add	*3.52*	
		For >100 To 500, Add	*0.88*	
		For >1,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.74*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	13.32	2.02
		For 1-3/8" Thick Paver, Deduct	*-3.44*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.10*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.87*	
		For Up To 100, Add	*4.35*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.89*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	21.08	2.31
		For 1-3/8" Thick Paver, Deduct	*-6.00*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.28*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.28*	
		For Up To 100, Add	*6.42*	
		For >100 To 500, Add	*1.52*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33		**Plastic Paving** *(32 14)*		
32 14 33 13		**Permeable Plastic Paving** *(32 14 33)*		
32 14 33 13-0001		Turf Block Plastic Paving *(32 14 33 13)*		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	17.49	1.75
		For Up To 100, Add	*5.25*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.95*	
32 14 40		**Stone Paving** *(32 14)*		
32 14 40 00-0001		Slate Paver Sidewalk *(32 14 40)*		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	14.23	1.68
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.88*	
		For 1/4" Thick Paver, Deduct	*-7.80*	
		For 1/2" Thick Paver, Deduct	*-5.51*	
		For Up To 100, Add	*4.40*	
		For >100 To 500, Add	*1.05*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.83*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	13.92	1.52
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.85*	
		For 1/4" Thick Paver, Deduct	*-7.72*	
		For 1/2" Thick Paver, Deduct	*-5.46*	
		For Up To 100, Add	*4.24*	
		For >100 To 500, Add	*1.00*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.78*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	13.40	1.25
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.80*	
		For 1/4" Thick Paver, Deduct	*-7.59*	
		For 1/2" Thick Paver, Deduct	*-5.38*	
		For Up To 100, Add	*3.98*	
		For >100 To 500, Add	*0.92*	
		For >1,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.70*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	13.17	1.14
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.77*	
		For 1/4" Thick Paver, Deduct	*-7.54*	
		For 1/2" Thick Paver, Deduct	*-5.35*	
		For Up To 100, Add	*3.87*	
		For >100 To 500, Add	*0.89*	
		For >1,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.67*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	13.63	1.38
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.82*	
		For 1/4" Thick Paver, Deduct	*-7.65*	
		For 1/2" Thick Paver, Deduct	*-5.42*	
		For Up To 100, Add	*4.10*	
		For >100 To 500, Add	*0.96*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.74*	
32 14 40 00-0007		Granite Paver Sidewalk *(32 14 40)*		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	30.98	1.68
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.72*	
		For 2" Granite Paver, Add	*1.55*	
		For 3" Granite Paver, Add	*3.10*	
		For 4" Granite Paver, Add	*3.27*	
		For Up To 100, Add	*8.58*	
		For >100 To 500, Add	*1.88*	
		For >1,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-1.33*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	30.67	1.52
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.69*	
		For 2" Granite Paver, Add	*1.53*	
		For 3" Granite Paver, Add	*3.07*	
		For 4" Granite Paver, Add	*3.22*	
		For Up To 100, Add	*8.43*	
		For >100 To 500, Add	*1.84*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	30.15	1.25
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.63*	
		For 2" Granite Paver, Add	*1.51*	
		For 3" Granite Paver, Add	*3.02*	
		For 4" Granite Paver, Add	*3.14*	
		For Up To 100, Add	*8.17*	
		For >100 To 500, Add	*1.76*	
		For >1,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-1.21*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	29.92	1.14
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.61*	
		For 2" Granite Paver, Add	*1.50*	
		For 3" Granite Paver, Add	*2.99*	
		For 4" Granite Paver, Add	*3.11*	
		For Up To 100, Add	*8.05*	
		For >100 To 500, Add	*1.73*	
		For >1,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-1.17*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	30.38	1.38
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.66*	
		For 2" Granite Paver, Add	*1.52*	
		For 3" Granite Paver, Add	*3.04*	
		For 4" Granite Paver, Add	*3.18*	
		For Up To 100, Add	*8.28*	
		For >100 To 500, Add	*1.79*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-1.24*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	84.08	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	60.27	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0057 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Curb	13.36	4.96
		For Mountable Curb, Add	*0.49*	
		For Up To 20, Add	*6.64*	
		For >20 To 50, Add	*3.72*	
		For >50 To 100, Add	*1.46*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-2.53*	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Curb - Radius	14.94	5.70
		For Mountable Curb, Add	*0.60*	
		For Up To 20, Add	*7.57*	
		For >20 To 50, Add	*4.25*	
		For >50 To 100, Add	*1.66*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.87*	
32 16 13 13-0004	LF	6" x 14" Cast In Place Concrete Curb	14.49	4.96
		For Mountable Curb, Add	*0.55*	
		For Up To 20, Add	*7.24*	
		For >20 To 50, Add	*4.05*	
		For >50 To 100, Add	*1.59*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000, Deduct	*-2.75*	
32 16 13 13-0005	LF	6" x 14" Cast In Place Concrete Curb - Radius	16.23	5.70
		For Mountable Curb, Add	*0.66*	
		For Up To 20, Add	*8.27*	
		For >20 To 50, Add	*4.64*	
		For >50 To 100, Add	*1.82*	
		For >500 To 1,000, Deduct	*-1.82*	
		For >1,000, Deduct	*-3.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0006	LF	6" x 16" Cast In Place Concrete Curb	15.89	4.96
		For Mountable Curb, Add	*0.59*	
		For Up To 20, Add	*7.89*	
		For >20 To 50, Add	*4.42*	
		For >50 To 100, Add	*1.74*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000, Deduct	*-3.00*	
32 16 13 13-0007	LF	6" x 16" Cast In Place Concrete Curb - Radius	17.67	7.43
		For Mountable Curb, Add	*0.72*	
		For Up To 20, Add	*8.99*	
		For >20 To 50, Add	*5.04*	
		For >50 To 100, Add	*1.97*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000, Deduct	*-3.40*	
32 16 13 13-0008	LF	6" x 18" Cast In Place Concrete Curb	16.94	4.96
		For Mountable Curb, Add	*0.62*	
		For Up To 20, Add	*8.40*	
		For >20 To 50, Add	*4.70*	
		For >50 To 100, Add	*1.85*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-3.20*	
32 16 13 13-0009	LF	6" x 18" Cast In Place Concrete Curb - Radius	18.82	5.70
		For Mountable Curb, Add	*0.73*	
		For Up To 20, Add	*9.46*	
		For >20 To 50, Add	*5.30*	
		For >50 To 100, Add	*2.08*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-3.59*	
32 16 13 13-0010	LF	6" x 24" Cast In Place Concrete Curb	19.73	5.46
		For Mountable Curb, Add	*0.62*	
		For Up To 20, Add	*9.46*	
		For >20 To 50, Add	*5.28*	
		For >50 To 100, Add	*2.09*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-3.63*	
32 16 13 13-0011	LF	6" x 24" Cast In Place Concrete Curb - Radius	21.77	6.20
		For Mountable Curb, Add	*0.72*	
		For Up To 20, Add	*10.55*	
		For >20 To 50, Add	*5.89*	
		For >50 To 100, Add	*2.33*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-4.04*	
32 16 13 13-0012	LF	12" x 24" Cast In Place Concrete Curb	26.50	6.20
		For Mountable Curb, Add	*0.46*	
		For Up To 20, Add	*11.50*	
		For >20 To 50, Add	*6.37*	
		For >50 To 100, Add	*2.56*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000, Deduct	*-4.51*	
32 16 13 13-0013	LF	12" x 24" Cast In Place Concrete Curb - Radius	29.21	6.94
		For Mountable Curb, Add	*0.54*	
		For Up To 20, Add	*12.78*	
		For >20 To 50, Add	*7.09*	
		For >50 To 100, Add	*2.85*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-5.00*	
32 16 13 13-0014	EA	Additional Finish For Handicap Drop Section In Curb	37.18	

32 16 13 13-0015 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0016	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	18.75	6.55
		For Up To 20, Add	*12.40*	
		For >20 To 50, Add	*6.77*	
		For >50 To 100, Add	*2.81*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-3.59*	
		For Mountable Or Rolled Curb And Gutter, Add	*0.75*	
32 16 13 13-0017	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	20.20	8.73
		For Up To 20, Add	*13.38*	
		For >20 To 50, Add	*7.32*	
		For >50 To 100, Add	*3.03*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.90*	
		For Mountable Or Rolled Curb And Gutter, Add	*0.83*	
32 16 13 13-0018	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	23.24	7.26
		For Up To 20, Add	*15.39*	
		For >20 To 50, Add	*8.42*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-4.49*	
		For Mountable Or Rolled Curb And Gutter, Add	*0.96*	
32 16 13 13-0019	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	25.35	8.08
		For Up To 20, Add	*16.82*	
		For >20 To 50, Add	*9.21*	
		For >50 To 100, Add	*3.80*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-4.95*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	27.73	8.73
		For Up To 20, Add	*18.38*	
		For >20 To 50, Add	*10.07*	
		For >50 To 100, Add	*4.16*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000, Deduct	*-5.39*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.18*	
32 16 13 13-0021	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	30.50	9.82
		For Up To 20, Add	*20.26*	
		For >20 To 50, Add	*11.11*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-6.00*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.37*	
32 16 13 13-0022	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	32.48	10.36
		For Up To 20, Add	*21.56*	
		For >20 To 50, Add	*11.82*	
		For >50 To 100, Add	*4.87*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000, Deduct	*-6.36*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.43*	
32 16 13 13-0023	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	35.39	11.46
		For Up To 20, Add	*23.53*	
		For >20 To 50, Add	*12.91*	
		For >50 To 100, Add	*5.31*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-6.98*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.61*	
32 16 13 13-0024	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	37.25	12.00
		For Up To 20, Add	*24.75*	
		For >20 To 50, Add	*13.58*	
		For >50 To 100, Add	*5.59*	
		For >500 To 1,000, Deduct	*-4.26*	
		For >1,000, Deduct	*-7.33*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.67*	
32 16 13 13-0025	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	40.27	13.09
		For Up To 20, Add	*26.78*	
		For >20 To 50, Add	*14.70*	
		For >50 To 100, Add	*6.04*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-7.96*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.85*	
32 16 13 13-0026	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	42.01	13.64
		For Up To 20, Add	*27.94*	
		For >20 To 50, Add	*15.33*	
		For >50 To 100, Add	*6.30*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.29*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.92*	
32 16 13 13-0027	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.24	15.27
		For Up To 20, Add	*30.80*	
		For >20 To 50, Add	*16.93*	
		For >50 To 100, Add	*6.94*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000, Deduct	*-9.21*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.19*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Minimum Set-up Charge For Machine Formed Concrete Curb (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	884.59
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	10.51
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	13.57
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	13.99
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	17.35

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	14.33	3.44
		For Curved Section, Add	*2.72*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.64	3.90
		For Curved Section, Add	*3.03*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	21.90	4.38
		For Curved Section, Add	*3.84*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	27.35	4.92
		For Curved Section, Add	*4.57*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	34.02	5.39
		For Curved Section, Add	*5.42*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	44.65	6.87
		For Curved Section, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	50.58	8.90
		For Curved Section, Add	*8.38*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	166.98	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	15.54
		For Up To 20, Add	*6.18*
		For >20 To 50, Add	*3.40*
		For >50 To 100, Add	*1.39*
		For >500 To 1,000, Deduct	*-1.39*
		For >1,000, Deduct	*-2.48*
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	19.16
		For Up To 20, Add	*7.53*
		For >20 To 50, Add	*4.14*
		For >50 To 100, Add	*1.70*
		For >500 To 1,000, Deduct	*-1.70*
		For >1,000, Deduct	*-3.03*
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	22.73
		For Up To 20, Add	*8.86*
		For >20 To 50, Add	*4.86*
		For >50 To 100, Add	*2.00*
		For >500 To 1,000, Deduct	*-2.00*
		For >1,000, Deduct	*-3.57*
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	26.29
		For Up To 20, Add	*10.17*
		For >20 To 50, Add	*5.58*
		For >50 To 100, Add	*2.30*
		For >500 To 1,000, Deduct	*-2.30*
		For >1,000, Deduct	*-4.10*
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	29.85
		For Up To 20, Add	*11.49*
		For >20 To 50, Add	*6.30*
		For >50 To 100, Add	*2.60*
		For >500 To 1,000, Deduct	*-2.60*
		For >1,000, Deduct	*-4.64*
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.94
		For Up To 20, Add	*13.40*
		For >20 To 50, Add	*7.32*
		For >50 To 100, Add	*3.04*
		For >500 To 1,000, Deduct	*-3.04*
		For >1,000, Deduct	*-5.46*
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	41.85
		For Up To 20, Add	*15.19*
		For >20 To 50, Add	*8.28*
		For >50 To 100, Add	*3.46*
		For >500 To 1,000, Deduct	*-3.46*
		For >1,000, Deduct	*-6.23*
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	6.98
		For Up To 100, Add	*2.54*
		For >100 To 250, Add	*1.38*
		For >250 To 500, Add	*0.58*
		For >2,500 To 5,000, Deduct	*-0.58*
		For >5,000, Deduct	*-1.04*
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	17.29
		For Up To 20, Add	*6.69*
		For >20 To 50, Add	*3.67*
		For >50 To 100, Add	*1.51*
		For >500 To 1,000, Deduct	*-1.51*
		For >1,000, Deduct	*-2.70*
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	21.42
		For Up To 20, Add	*8.23*
		For >20 To 50, Add	*4.51*
		For >50 To 100, Add	*1.86*
		For >500 To 1,000, Deduct	*-1.86*
		For >1,000, Deduct	*-3.33*
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	25.32
		For Up To 20, Add	*9.61*
		For >20 To 50, Add	*5.26*
		For >50 To 100, Add	*2.18*
		For >500 To 1,000, Deduct	*-2.18*
		For >1,000, Deduct	*-3.90*
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	29.31
		For Up To 20, Add	*11.05*
		For >20 To 50, Add	*6.04*
		For >50 To 100, Add	*2.50*
		For >500 To 1,000, Deduct	*-2.50*
		For >1,000, Deduct	*-4.49*
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.30
		For Up To 20, Add	*12.49*
		For >20 To 50, Add	*6.83*
		For >50 To 100, Add	*2.83*
		For >500 To 1,000, Deduct	*-2.83*
		For >1,000, Deduct	*-5.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	40.16	
		For Up To 20, Add	*14.59*	
		For >20 To 50, Add	*7.95*	
		For >50 To 100, Add	*3.32*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-5.98*	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	46.87	
		For Up To 20, Add	*16.58*	
		For >20 To 50, Add	*9.01*	
		For >50 To 100, Add	*3.78*	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000, Deduct	*-6.85*	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	7.81	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.63*	
		For >2,500 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.14*	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	17.20	
		For Up To 20, Add	*6.85*	
		For >20 To 50, Add	*3.76*	
		For >50 To 100, Add	*1.54*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.74*	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	21.20	
		For Up To 20, Add	*8.35*	
		For >20 To 50, Add	*4.58*	
		For >50 To 100, Add	*1.88*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-3.35*	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	25.15	
		For Up To 20, Add	*9.81*	
		For >20 To 50, Add	*5.38*	
		For >50 To 100, Add	*2.21*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-3.95*	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	29.11	
		For Up To 20, Add	*11.28*	
		For >20 To 50, Add	*6.19*	
		For >50 To 100, Add	*2.55*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000, Deduct	*-4.55*	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.05	
		For Up To 20, Add	*12.75*	
		For >20 To 50, Add	*6.99*	
		For >50 To 100, Add	*2.88*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-5.15*	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.79	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	46.34	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	7.73	
		For Up To 100, Add	*2.81*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.64*	
		For >2,500 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.15*	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	31.25	5.63
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	37.84	6.47
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	33.53	5.63
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	40.86	6.47
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	34.58	5.63
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	42.07	6.47
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	37.17	5.63
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	45.35	6.47

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	8.88	3.51
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	10.01	3.90
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	11.04	4.29

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Granite Curbs *(32 16 13 43)*

32 16 13 43-0002 Split Face Granite Curbs *(32 16 13 43-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	32.03	5.96
		For Up To 20, Add	*10.39*	
		For >20 To 50, Add	*5.59*	
		For >50 To 100, Add	*2.40*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-4.40*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	38.79	6.51
		For Up To 20, Add	*12.08*	
		For >20 To 50, Add	*6.47*	
		For >50 To 100, Add	*2.80*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-5.18*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	43.13	7.00
		For Up To 20, Add	*13.28*	
		For >20 To 50, Add	*7.11*	
		For >50 To 100, Add	*3.09*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-5.71*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	52.33	7.55
		For Up To 20, Add	*15.47*	
		For >20 To 50, Add	*8.23*	
		For >50 To 100, Add	*3.62*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-6.73*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	40.97	6.51
		For Up To 20, Add	*12.50*	
		For >20 To 50, Add	*6.68*	
		For >50 To 100, Add	*2.91*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-5.39*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	47.74	7.00
		For Up To 20, Add	*14.20*	
		For >20 To 50, Add	*7.57*	
		For >50 To 100, Add	*3.32*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-6.17*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	52.12	7.55
		For Up To 20, Add	*15.43*	
		For >20 To 50, Add	*8.22*	
		For >50 To 100, Add	*3.61*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-6.71*	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	61.31	8.04
		For Up To 20, Add	*17.61*	
		For >20 To 50, Add	*9.34*	
		For >50 To 100, Add	*4.14*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-7.74*	

32 16 13 43-0011 Sawn Face Granite Curbs *(32 16 13 43-0001)*

32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	32.03	5.96
		For Up To 20, Add	*10.39*	
		For >20 To 50, Add	*5.59*	
		For >50 To 100, Add	*2.40*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-4.40*	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	38.79	6.51
		For Up To 20, Add	*12.08*	
		For >20 To 50, Add	*6.47*	
		For >50 To 100, Add	*2.80*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-5.18*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	43.17	7.00
		For Up To 20, Add	*13.31*	
		For >20 To 50, Add	*7.12*	
		For >50 To 100, Add	*3.09*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000, Deduct	*-5.72*	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	52.37	7.55
		For Up To 20, Add	*15.49*	
		For >20 To 50, Add	*8.25*	
		For >50 To 100, Add	*3.62*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-6.74*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	47.72	6.51
		For Up To 20, Add	*13.87*	
		For >20 To 50, Add	*7.37*	
		For >50 To 100, Add	*3.25*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-6.07*	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	58.25	7.00
		For Up To 20, Add	*16.33*	
		For >20 To 50, Add	*8.63*	
		For >50 To 100, Add	*3.85*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-7.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	64.91	7.55
		For Up To 20, Add	*18.00*	
		For >20 To 50, Add	*9.50*	
		For >50 To 100, Add	*4.25*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-8.00*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	79.41	8.04
		For Up To 20, Add	*21.25*	
		For >20 To 50, Add	*11.16*	
		For >50 To 100, Add	*5.04*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-9.55*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	34.24	7.43
		For Up To 20, Add	*11.79*	
		For >20 To 50, Add	*6.39*	
		For >50 To 100, Add	*2.70*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000, Deduct	*-4.91*	
32 16 13 43-0022	LF	6" High Granite Base	38.42	9.74
		For Up To 20, Add	*14.17*	
		For >20 To 50, Add	*7.73*	
		For >50 To 100, Add	*3.22*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000, Deduct	*-5.79*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	22.87

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	5.62	
		For Up To 100, Add	*2.23*	
		For >100 To 500, Add	*0.61*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000 To 10,000, Deduct	*-0.61*	
		For >10,000 To 20,000, Deduct	*-0.83*	
		For >20,000, Deduct	*-1.05*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.19*	
		For 4,500 PSI Concrete, Add	*0.22*	
		For Welded Wire Reinforcement, Add	*0.52*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	6.25	
		For Up To 100, Add	*2.42*	
		For >100 To 500, Add	*0.65*	
		For >2,000 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.65*	
		For >10,000 To 20,000, Deduct	*-0.90*	
		For >20,000, Deduct	*-1.14*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.23*	
		For 4,500 PSI Concrete, Add	*0.26*	
		For Welded Wire Reinforcement, Add	*0.52*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	6.88	
		For Up To 100, Add	*2.60*	
		For >100 To 500, Add	*0.70*	
		For >2,000 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 20,000, Deduct	*-0.96*	
		For >20,000, Deduct	*-1.22*	
		For 3,500 PSI Concrete, Add	*0.15*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.31*	
		For Welded Wire Reinforcement, Add	*0.52*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	8.12	
		For Up To 100, Add	*3.03*	
		For >100 To 500, Add	*0.81*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 20,000, Deduct	*-1.11*	
		For >20,000, Deduct	*-1.41*	
		For 3,500 PSI Concrete, Add	*0.19*	
		For 4,000 PSI Concrete, Add	*0.33*	
		For 4,500 PSI Concrete, Add	*0.38*	
		For Welded Wire Reinforcement, Add	*0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	8.69	
		For Up To 100, Add	*3.19*	
		For >100 To 500, Add	*0.84*	
		For >2,000 To 5,000, Deduct	*-0.31*	
		For >5,000 To 10,000, Deduct	*-0.84*	
		For >10,000 To 20,000, Deduct	*-1.16*	
		For >20,000, Deduct	*-1.48*	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.43*	
		For Welded Wire Reinforcement, Add	*0.52*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.20	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	71.78	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	1.20	

32 16 23 00-0010 Cast In Place Concrete Sidewalk With Fiber Mesh *(32 16 23)*

Note: Includes finish grading, delivered concrete by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, and base compaction. For reinforcing bar, use the modifier "For sidewalk without fiber mesh" and add reinforcing bar. See CSI section 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SF	4" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	6.04	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*0.65*	
		For >2,000 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.65*	
		For >10,000 To 20,000, Deduct	*-0.89*	
		For >20,000, Deduct	*-1.13*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.20*	
		For 4,500 PSI Concrete, Add	*0.24*	
32 16 23 00-0012	SF	5" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	6.77	
		For Up To 100, Add	*2.67*	
		For >100 To 500, Add	*0.73*	
		For >2,000 To 5,000, Deduct	*-0.29*	
		For >5,000 To 10,000, Deduct	*-0.73*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.26*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.23*	
		For 4,500 PSI Concrete, Add	*0.27*	
32 16 23 00-0013	SF	6" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	7.90	
		For Up To 100, Add	*3.04*	
		For >100 To 500, Add	*0.82*	
		For >2,000 To 5,000, Deduct	*-0.32*	
		For >5,000 To 10,000, Deduct	*-0.82*	
		For >10,000 To 20,000, Deduct	*-1.13*	
		For >20,000, Deduct	*-1.43*	
		For 3,500 PSI Concrete, Add	*0.17*	
		For 4,000 PSI Concrete, Add	*0.29*	
		For 4,500 PSI Concrete, Add	*0.34*	
32 16 23 00-0014	SF	7" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	9.37	
		For Up To 100, Add	*3.51*	
		For >100 To 500, Add	*0.94*	
		For >2,000 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.94*	
		For >10,000 To 20,000, Deduct	*-1.29*	
		For >20,000, Deduct	*-1.64*	
		For 3,500 PSI Concrete, Add	*0.22*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.44*	
32 16 23 00-0015	SF	8" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	10.22	
		For Up To 100, Add	*3.81*	
		For >100 To 500, Add	*1.01*	
		For >2,000 To 5,000, Deduct	*-0.38*	
		For >5,000 To 10,000, Deduct	*-1.01*	
		For >10,000 To 20,000, Deduct	*-1.39*	
		For >20,000, Deduct	*-1.78*	
		For 3,500 PSI Concrete, Add	*0.24*	
		For 4,000 PSI Concrete, Add	*0.42*	
		For 4,500 PSI Concrete, Add	*0.48*	
32 16 23 00-0016	SF	For Exposed Aggregate Finish In Sidewalk With Fiber Mesh	1.20	
32 16 23 00-0017	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	1.20	
32 16 23 00-0018	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	71.78	

32 16 23 00-0019 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0020	SY	1" Bituminous Sidewalk	6.16	
		For Up To 100, Add	*2.14*	
		For >100 To 500, Add	*0.55*	
		For >1,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0021	SY	1-1/2" Bituminous Sidewalk	7.81	
		For Up To 100, Add	*2.68*	
		For >100 To 500, Add	*0.68*	
		For >1,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.68*	
32 16 23 00-0022	SY	2" Bituminous Sidewalk	11.08	
		For Up To 100, Add	*3.67*	
		For >100 To 500, Add	*0.91*	
		For >1,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.91*	
32 16 23 00-0023	SY	2-1/2" Bituminous Sidewalk	13.86	
		For Up To 100, Add	*4.58*	
		For >100 To 500, Add	*1.14*	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-1.14*	
32 16 23 00-0024	SY	3" Bituminous Sidewalk	16.12	
		For Up To 100, Add	*5.24*	
		For >100 To 500, Add	*1.29*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-1.29*	
32 16 23 00-0025	SY	3-1/2" Bituminous Sidewalk	18.77	
		For Up To 100, Add	*6.02*	
		For >100 To 500, Add	*1.47*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.47*	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	212.14	3.71
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	241.77	3.71

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	62.49	11.16
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	71.86	11.16
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	75.51	11.16
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	79.91	11.16
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	73.37	11.16
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	97.63	11.16
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	17.85	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	11.60	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	23.32	3.71
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	28.24	3.71
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	30.21	3.71
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	33.16	3.71

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	7.13	0.89
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	10.50	0.89

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	60.26
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	52.65
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	49.64
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	57.71
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	50.96
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	48.36
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	49.63	
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	47.28	
32 17 16 00-0011		Asphalt Speed Table *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	19.66	
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	23.32	
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	24.76	
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	29.40	
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	29.78	
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	33.43	
32 17 16 00-0018		Concrete Speed Table *(32 17 16)*		
32 17 16 00-0019	SF	Concrete Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	8.43	
32 17 16 00-0020		Speed Bumps *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0021	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	28.04	1.33
32 17 16 00-0022	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.84	0.88
32 17 16 00-0023	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	154.16	0.88
32 17 23		**Pavement Markings** *(32 17)* See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13		**Painted Pavement Markings** *(32 17 23)*		
32 17 23 13-0001		Painted Pavement Striping, Letters, Symbols And Markers for Roads *(32 17 23 13)* Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002		Painted Epoxy Reflective Pavement Marking *(32 17 23 13-0001)* Note: 15 mil thickness.		
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.52	
		For 20 Mil Thickness, Add	*0.13*	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.27*	
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.73	
		For 20 Mil Thickness, Add	*0.19*	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.41*	
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.89	
		For 20 Mil Thickness, Add	*0.23*	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line, Deduct	*-0.48*	
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.36	
		For 20 Mil Thickness, Add	*0.37*	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.20*	
		For Broken Line, Deduct	*-0.79*	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.86	
		For 20 Mil Thickness, Add	*0.24*	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.26*	
		For Double Broken Line, Deduct	*-0.53*	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.25	
		For 20 Mil Thickness, Add	*0.36*	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
		For Broken Line On One Side, Deduct	*-0.40*	
		For Double Broken Line, Deduct	*-0.80*	
32 17 23 13-0009	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	4.58	
		For 20 Mil Thickness, Add	*0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0010	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	2.57	
		For 20 Mil Thickness, Add	*0.36*	
		For <10, Add	*0.27*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 200, Deduct	*-0.18*	
		For >200, Deduct	*-0.35*	
32 17 23 13-0011	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	5.55	
		For 20 Mil Thickness, Add	*1.09*	
		For <10, Add	*0.40*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 200, Deduct	*-0.27*	
		For >200, Deduct	*-0.53*	
32 17 23 13-0012	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	9.48	
		For 20 Mil Thickness, Add	*1.90*	
		For <10, Add	*0.67*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 200, Deduct	*-0.44*	
		For >200, Deduct	*-0.89*	
32 17 23 13-0013	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	17.74	
		For 20 Mil Thickness, Add	*3.40*	
		For <10, Add	*1.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 200, Deduct	*-0.89*	
		For >200, Deduct	*-1.78*	
32 17 23 13-0014	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	21.47	
		For 20 Mil Thickness, Add	*4.33*	
		For <10, Add	*1.49*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 200, Deduct	*-1.00*	
		For >200, Deduct	*-1.99*	
32 17 23 13-0015	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	38.75	
		For 20 Mil Thickness, Add	*7.90*	
		For <10, Add	*2.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 200, Deduct	*-1.77*	
		For >200, Deduct	*-3.54*	
32 17 23 13-0016	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	51.48	
		For 20 Mil Thickness, Add	*10.42*	
		For <10, Add	*3.57*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.38*	
		For >200, Deduct	*-4.76*	
32 17 23 13-0017	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	91.28	
		For 20 Mil Thickness, Add	*22.07*	
		For <10, Add	*4.43*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-2.95*	
		For >200, Deduct	*-5.90*	
32 17 23 13-0018	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	81.02	
		For 20 Mil Thickness, Add	*22.12*	
32 17 23 13-0019	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	361.96	
		For 20 Mil Thickness, Add	*108.43*	
32 17 23 13-0020	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	92.22	
		For 20 Mil Thickness, Add	*24.93*	
32 17 23 13-0021	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	93.55	
		For 20 Mil Thickness, Add	*24.44*	
32 17 23 13-0022	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	119.45	
		For 20 Mil Thickness, Add	*33.07*	
32 17 23 13-0023	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	200.80	
		For 20 Mil Thickness, Add	*59.72*	
32 17 23 13-0024	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	206.78	
		For 20 Mil Thickness, Add	*61.71*	
32 17 23 13-0025	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	295.33	
		For 20 Mil Thickness, Add	*90.98*	
32 17 23 13-0026	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	67.73	
		For 20 Mil Thickness, Add	*14.63*	
32 17 23 13-0027	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	99.77	
		For 20 Mil Thickness, Add	*25.31*	
32 17 23 13-0028	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	131.91	
		For 20 Mil Thickness, Add	*35.41*	
32 17 23 13-0029	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	135.90	
		For 20 Mil Thickness, Add	*36.74*	
32 17 23 13-0030	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	250.68	
		For 20 Mil Thickness, Add	*74.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0031	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	221.73	
		For 20 Mil Thickness, Add	*65.96*	
32 17 23 13-0032	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	205.96	
		For 20 Mil Thickness, Add	*61.19*	
32 17 23 13-0033		**Painted Reflective Pavement Marking** *(32 17 23 13-0001)* Note: 15 mil thickness.		
32 17 23 13-0034	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0035	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.38	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.14*	
32 17 23 13-0036	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.48	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line, Deduct	*-0.17*	
32 17 23 13-0037	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.66	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.26*	
32 17 23 13-0038	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.45	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0039	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.67	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.27*	
32 17 23 13-0040	SF	Solid Area, Painted Reflective Pavement Striping Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	2.94	
32 17 23 13-0041	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	2.29	
		For <10, Add	*0.27*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 200, Deduct	*-0.18*	
		For >200, Deduct	*-0.35*	
32 17 23 13-0042	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	4.54	
		For <10, Add	*0.40*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 200, Deduct	*-0.27*	
		For >200, Deduct	*-0.53*	
32 17 23 13-0043	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	7.72	
		For <10, Add	*0.67*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 200, Deduct	*-0.44*	
		For >200, Deduct	*-0.89*	
32 17 23 13-0044	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	14.64	
		For <10, Add	*1.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 200, Deduct	*-0.89*	
		For >200, Deduct	*-1.78*	
32 17 23 13-0045	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	17.45	
		For <10, Add	*1.49*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 200, Deduct	*-1.00*	
		For >200, Deduct	*-1.99*	
32 17 23 13-0046	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	31.40	
		For <10, Add	*2.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 200, Deduct	*-1.77*	
		For >200, Deduct	*-3.54*	
32 17 23 13-0047	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	41.79	
		For <10, Add	*3.57*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.38*	
		For >200, Deduct	*-4.76*	
32 17 23 13-0048	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	69.66	
		For <10, Add	*4.43*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-2.95*	
		For >200, Deduct	*-5.90*	
32 17 23 13-0049	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	58.71	
32 17 23 13-0050	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	250.42	
32 17 23 13-0051	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	67.12	
32 17 23 13-0052	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	69.15	
32 17 23 13-0053	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	85.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0054	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	139.46	
32 17 23 13-0055	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	143.34	
32 17 23 13-0056	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	201.22	
32 17 23 13-0057	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	53.84	
32 17 23 13-0058	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	74.67	
32 17 23 13-0059	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	115.70	
32 17 23 13-0060	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	120.88	
32 17 23 13-0061	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	174.00	
32 17 23 13-0062	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	156.30	
32 17 23 13-0063	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	212.88	

32 17 23 13-0064 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0065 Painted Pavement Marking For Parking Areas *(32 17 23 13-0064)*

Note: 15 mil thickness.

32 17 23 13-0066	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.85
32 17 23 13-0067	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	0.96
32 17 23 13-0068	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.04
32 17 23 13-0069	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.21
32 17 23 13-0070	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	2.89
32 17 23 13-0071	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	2.21
		For Up To 10, Add	*0.26*
		For >50 To 100, Deduct	*-0.13*
		For >100 To 200, Deduct	*-0.17*
		For >200, Deduct	*-0.34*
32 17 23 13-0072	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.38
		For Up To 10, Add	*0.39*
		For >50 To 100, Deduct	*-0.19*
		For >100 To 200, Deduct	*-0.26*
		For >200, Deduct	*-0.52*
32 17 23 13-0073	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	7.45
		For Up To 10, Add	*0.65*
		For >50 To 100, Deduct	*-0.32*
		For >100 To 200, Deduct	*-0.43*
		For >200, Deduct	*-0.86*
32 17 23 13-0074	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	13.70
		For Up To 10, Add	*1.23*
		For >50 To 100, Deduct	*-0.61*
		For >100 To 200, Deduct	*-0.82*
		For >200, Deduct	*-1.64*
32 17 23 13-0075	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	17.54
		For Up To 10, Add	*1.68*
		For >50 To 100, Deduct	*-0.84*
		For >100 To 200, Deduct	*-1.12*
		For >200, Deduct	*-2.24*
32 17 23 13-0076	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	20.96
		For Up To 10, Add	*2.07*
		For >50 To 100, Deduct	*-1.04*
		For >100 To 200, Deduct	*-1.38*
		For >200, Deduct	*-2.76*
32 17 23 13-0077	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	30.33
		For Up To 10, Add	*2.59*
		For >50 To 100, Deduct	*-1.29*
		For >100 To 200, Deduct	*-1.73*
		For >200, Deduct	*-3.45*
32 17 23 13-0078	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	67.16
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	83.26
32 17 23 13-0080	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	134.45
32 17 23 13-0081	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	138.16
32 17 23 13-0082	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	193.54
32 17 23 13-0083	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	22.33
		For Blue Background With White Symbol, Add	*24.58*
		For Blue Background With White Symbol And Border, Add	*30.72*
32 17 23 13-0084	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	40.76
		For Blue Background With White Symbol, Add	*58.99*
		For Blue Background With White Symbol And Border, Add	*73.74*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0085		**Painted Curbs** *(32 17 23 13)* Note: All colors.		
32 17 23 13-0086	LF	Reflective Painted Curb	2.52	
32 17 23 13-0087	LF	Reflective Painted Curb And Gutter	5.07	
32 17 23 13-0088	LF	Painted Curb	2.08	
32 17 23 13-0089	LF	Painted Curb And Gutter	4.74	
32 17 23 13-0090		**Markings For Outdoor Play Areas, Courts** *(32 17 23 13)*		
32 17 23 13-0091	LF	2" Wide Marking For Outdoor Play Areas	0.66	
32 17 23 13-0092	LF	3" Wide Marking For Outdoor Play Areas	0.76	
32 17 23 13-0093	LF	4" Wide Marking For Outdoor Play Areas	0.85	
32 17 23 13-0094	LF	6" Wide Marking For Outdoor Play Areas	1.03	
32 17 23 13-0095	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.)	175.86	
32 17 23 23		**Raised Pavement Markings** *(32 17 23)*		
32 17 23 23-0001		**Raised Pavement Markers (RPMs)** *(32 17 23 23)* Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM)	7.48	1.38
		For >100, Deduct	*-0.75*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM)	8.02	1.38
		For >100, Deduct	*-0.80*	
32 17 23 23-0004	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	6.79	1.38
		For >100, Deduct	*-0.68*	
32 17 23 23-0005		**Snowplowable Pavement Markers** *(32 17 23 23)*		
32 17 23 23-0006	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail	51.99	16.08
32 17 23 23-0007	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	52.46	16.08
32 17 23 23-0008	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	14.90	
32 17 23 23-0009	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	18.04	
32 17 23 33		**Plastic Pavement Markings** *(32 17 23)*		
32 17 23 33-0001		**Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads** *(32 17 23 33)* Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.		
32 17 23 33-0002		**Thermoplastic Reflective Pavement Marking** *(32 17 23 33-0001)* Note: 90 mil thickness.		
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.91	
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.29*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
		For Broken Line, Deduct	*-1.28*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.81	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
		For Broken Line, Deduct	*-1.92*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.74	
		For Up To 5,000 LF, Add	*0.75*	
		For >25,000 LF, Deduct	*-0.56*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line, Deduct	*-2.56*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	5.53	
		For Up To 5,000 LF, Add	*1.11*	
		For >25,000 LF, Deduct	*-0.83*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line, Deduct	*-3.83*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.72	
		For Up To 5,000 LF, Add	*0.74*	
		For >25,000 LF, Deduct	*-0.56*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line On One Side, Deduct	*-1.28*	
		For Double Broken Line, Deduct	*-2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	5.53	
		For Up To 5,000 LF, Add	*1.11*	
		For >25,000 LF, Deduct	*-0.83*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line On One Side, Deduct	*-1.92*	
		For Double Broken Line, Deduct	*-3.83*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	7.68	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	4.35	
		For Up To 10, Add	*0.29*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 200, Deduct	*-0.19*	
		For >200, Deduct	*-0.39*	
		For 60 mils Thick, Deduct	*-0.42*	
		For 125 mils Thick, Add	*0.54*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.64	
		For Up To 10, Add	*0.44*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 200, Deduct	*-0.29*	
		For >200, Deduct	*-0.59*	
		For 60 mils Thick, Deduct	*-1.52*	
		For 125 mils Thick, Add	*1.96*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	20.10	
		For Up To 10, Add	*0.73*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 200, Deduct	*-0.49*	
		For >200, Deduct	*-0.97*	
		For 60 mils Thick, Deduct	*-2.67*	
		For 125 mils Thick, Add	*3.43*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	36.56	
		For Up To 10, Add	*1.47*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 200, Deduct	*-0.98*	
		For >200, Deduct	*-1.96*	
		For 60 mils Thick, Deduct	*-4.68*	
		For 125 mils Thick, Add	*6.02*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	45.75	
		For Up To 10, Add	*1.64*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 200, Deduct	*-1.10*	
		For >200, Deduct	*-2.19*	
		For 60 mils Thick, Deduct	*-6.09*	
		For 125 mils Thick, Add	*7.83*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	83.07	
		For Up To 10, Add	*2.92*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 200, Deduct	*-1.95*	
		For >200, Deduct	*-3.90*	
		For 60 mils Thick, Deduct	*-11.13*	
		For 125 mils Thick, Add	*14.31*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	109.83	
		For Up To 10, Add	*3.93*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 200, Deduct	*-2.62*	
		For >200, Deduct	*-5.23*	
		For 60 mils Thick, Deduct	*-14.64*	
		For 125 mils Thick, Add	*18.82*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	219.15	
		For Up To 10, Add	*4.86*	
		For >50 To 100, Deduct	*-2.43*	
		For >100 To 200, Deduct	*-3.24*	
		For >200, Deduct	*-6.49*	
		For 60 mils Thick, Deduct	*-32.68*	
		For 125 mils Thick, Add	*42.01*	
32 17 23 33-0018	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	207.95	
		For 60 mils Thick, Deduct	*-33.37*	
		For 125 mils Thick, Add	*42.91*	
32 17 23 33-0019	EA	Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	996.64	
		For 60 mils Thick, Deduct	*-166.87*	
		For 125 mils Thick, Add	*214.54*	
32 17 23 33-0020	EA	Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	235.02	
		For 60 mils Thick, Deduct	*-37.54*	
		For 125 mils Thick, Add	*48.27*	
32 17 23 33-0021	EA	Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	232.38	
		For 60 mils Thick, Deduct	*-36.50*	
		For 125 mils Thick, Add	*46.93*	
32 17 23 33-0022	EA	Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	309.85	
		For 60 mils Thick, Deduct	*-50.06*	
		For 125 mils Thick, Add	*64.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0023	EA	Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	549.87	
		For 60 mils Thick, Deduct	*-91.78*	
		For 125 mils Thick, Add	*118.00*	
32 17 23 33-0024	EA	Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	567.75	
		For 60 mils Thick, Deduct	*-94.90*	
		For 125 mils Thick, Add	*122.02*	
32 17 23 33-0025	EA	Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	830.84	
		For 60 mils Thick, Deduct	*-140.79*	
		For 125 mils Thick, Add	*181.02*	
32 17 23 33-0026	EA	Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 1-2/3' width x 12' height.	146.74	
		For 60 mils Thick, Deduct	*-20.77*	
		For 125 mils Thick, Add	*26.71*	
32 17 23 33-0027	EA	Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	242.57	
		For 60 mils Thick, Deduct	*-37.54*	
		For 125 mils Thick, Add	*48.27*	
32 17 23 33-0028	EA	Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	423.52	
		For 60 mils Thick, Deduct	*-68.83*	
		For 125 mils Thick, Add	*88.50*	
32 17 23 33-0029	EA	Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	447.35	
		For 60 mils Thick, Deduct	*-73.00*	
		For 125 mils Thick, Add	*93.86*	
32 17 23 33-0030	EA	Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 20' height.	687.02	
		For 60 mils Thick, Deduct	*-114.72*	
		For 125 mils Thick, Add	*147.50*	
32 17 23 33-0031	EA	Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	618.02	
		For 60 mils Thick, Deduct	*-103.25*	
		For 125 mils Thick, Add	*132.75*	
32 17 23 33-0032	EA	Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	884.47	
		For 60 mils Thick, Deduct	*-150.18*	
		For 125 mils Thick, Add	*193.09*	

32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0034	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.61	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
32 17 23 33-0035	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.59	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
32 17 23 33-0036	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.62	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
32 17 23 33-0037	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.79	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
32 17 23 33-0038	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	12.96	
		For 60 mils Thick, Deduct	*-1.79*	
		For 125 mils Thick, Add	*2.30*	

32 17 23 33-0039 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0040	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.41	
		For Up To 5,000 LF, Add	*0.88*	
		For >25,000 LF, Deduct	*-0.66*	
32 17 23 33-0041	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.59	
		For Up To 5,000 LF, Add	*1.32*	
		For >25,000 LF, Deduct	*-0.99*	
32 17 23 33-0042	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	8.78	
		For Up To 5,000 LF, Add	*1.76*	
		For >25,000 LF, Deduct	*-1.32*	
32 17 23 33-0043	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	13.10	
		For Up To 5,000 LF, Add	*2.62*	
		For >25,000 LF, Deduct	*-1.97*	
32 17 23 33-0044	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	31.70	
32 17 23 33-0045	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	47.80	
		For <10, Add	*0.53*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 200, Deduct	*-0.35*	
		For >200, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0046	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	88.74	
		For <10, Add	*0.67*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 200, Deduct	*-0.45*	
		For >200, Deduct	*-0.90*	
32 17 23 33-0047	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	149.55	
		For <10, Add	*1.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 200, Deduct	*-0.89*	
		For >200, Deduct	*-1.78*	
32 17 23 33-0048	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	203.70	
		For <10, Add	*2.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 200, Deduct	*-1.78*	
		For >200, Deduct	*-3.55*	
32 17 23 33-0049	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	241.00	
		For <10, Add	*2.99*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 200, Deduct	*-1.99*	
		For >200, Deduct	*-3.99*	
32 17 23 33-0050	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	283.93	
		For <10, Add	*5.32*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 200, Deduct	*-3.54*	
		For >200, Deduct	*-7.09*	
32 17 23 33-0051	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	356.08	
		For <10, Add	*7.14*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-4.76*	
		For >200, Deduct	*-9.52*	
32 17 23 33-0052	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	448.01	
		For <10, Add	*8.85*	
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 200, Deduct	*-5.90*	
		For >200, Deduct	*-11.80*	
32 17 23 33-0053	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	32.05	
32 17 23 33-0054	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	32.69	

32 17 23 33-0055 Preformed, Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0056	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	496.84	
32 17 23 33-0057	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,323.54	
32 17 23 33-0058	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	237.72	
32 17 23 33-0059	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	189.44	
32 17 23 33-0060	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	412.12	
32 17 23 33-0061	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	228.27	
32 17 23 33-0062	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	464.87	
32 17 23 33-0063	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	828.66	
32 17 23 33-0064	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,274.58	
32 17 23 33-0065	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	416.35	
32 17 23 33-0066	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	469.10	
32 17 23 33-0067	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	912.32	
32 17 23 33-0068	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	833.41	
32 17 23 33-0069	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	834.70	
32 17 23 33-0070	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	1,181.71	

32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0071)*

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0073	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	158.03	
32 17 23 33-0074	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	656.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0075	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	359.33	
32 17 23 33-0076	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	435.65	
32 17 23 33-0077	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	457.25	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*
Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	56.58	6.16
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	48.58	6.16

32 18 Athletic and Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	22.60	1.29
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.17*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	22.84	1.36
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.22*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	23.33	1.52
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.31*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	23.80	1.68
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.41*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	26.72	1.84
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*1.50*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	27.25	2.01
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*1.61*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	27.80	2.20
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*1.72*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	30.76	2.35
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*1.82*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	31.24	2.54
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*1.92*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	31.77	2.68
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*2.02*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	36.85	3.03
		For Manufacturer's Standard Colors, Add	*0.69*	
		For Interlocking Tiles, Add	*5.55*	
		For Mechanically Fastened, Add	*2.22*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*
Note: Excludes sub base.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.20	0.19
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	1.66	0.24
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	2.18	0.29
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	3.06	0.43
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.15	0.19
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.65	0.24
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	4.35	0.29
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.25	0.43
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	8.83	0.72
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	11.10	0.96

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	15.12	1.41
		For Up To 2,000, Add	*2.19*	
		For >2,000 To 3,000, Add	*1.57*	
		For >3,000 To 4,000, Add	*1.09*	
		For >4,000 To 5,000, Add	*0.70*	
		For >5,000 To 7,000, Add	*0.30*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	15.60	1.57
		For Up To 2,000, Add	*2.26*	
		For >2,000 To 3,000, Add	*1.62*	
		For >3,000 To 4,000, Add	*1.12*	
		For >4,000 To 5,000, Add	*0.72*	
		For >5,000 To 7,000, Add	*0.31*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	16.83	1.79
		For Up To 2,000, Add	*2.44*	
		For >2,000 To 3,000, Add	*1.75*	
		For >3,000 To 4,000, Add	*1.21*	
		For >4,000 To 5,000, Add	*0.78*	
		For >5,000 To 7,000, Add	*0.33*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	18.18	1.91
		For Up To 2,000, Add	*2.64*	
		For >2,000 To 3,000, Add	*1.89*	
		For >3,000 To 4,000, Add	*1.31*	
		For >4,000 To 5,000, Add	*0.84*	
		For >5,000 To 7,000, Add	*0.36*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.52	2.01
		For Up To 2,000, Add	*2.83*	
		For >2,000 To 3,000, Add	*2.03*	
		For >3,000 To 4,000, Add	*1.40*	
		For >4,000 To 5,000, Add	*0.90*	
		For >5,000 To 7,000, Add	*0.39*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.67	2.12
		For Up To 2,000, Add	*3.00*	
		For >2,000 To 3,000, Add	*2.15*	
		For >3,000 To 4,000, Add	*1.48*	
		For >4,000 To 5,000, Add	*0.95*	
		For >5,000 To 7,000, Add	*0.41*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	22.02	2.24
		For Up To 2,000, Add	*3.19*	
		For >2,000 To 3,000, Add	*2.29*	
		For >3,000 To 4,000, Add	*1.58*	
		For >4,000 To 5,000, Add	*1.02*	
		For >5,000 To 7,000, Add	*0.44*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.71	2.51
		For Up To 2,000, Add	*3.58*	
		For >2,000 To 3,000, Add	*2.57*	
		For >3,000 To 4,000, Add	*1.77*	
		For >4,000 To 5,000, Add	*1.14*	
		For >5,000 To 7,000, Add	*0.49*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	9.88	
		For Up To 2,000, Add	*2.06*	
		For >2,000 To 3,000, Add	*1.36*	
		For >3,000 To 4,000, Add	*0.85*	
		For >4,000 To 5,000, Add	*0.52*	
		For >5,000 To 7,000, Add	*0.24*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	1,391.15	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	9.78	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	8.44	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	5.28	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	33.58	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 13 Baseball Field Surfacing *(32 18 23)*

32 18 23 13-0001 Clay Infield Maintenance *(32 18 23 13)*

32 18 23 13-0002	MSF	Playing Field Maintenance (Clay - Nail Drag)	5.99	
32 18 23 13-0003	MSF	Playing Field Maintenance (Clay - Screen Drag)	5.99	
32 18 23 13-0004	CY	Playing Field Maintenance Of Clay	80.41	
32 18 23 13-0005	TON	Professional Softball/Baseball Infield Mix (Diamond-Tex Professional)	98.71	

32 18 23 23 Field Sport Surfacing *(32 18 23)*

32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

32 18 23 23-0002	ACR	Turf Aeration (Minimum 6" Penetration)	80.73	
32 18 23 23-0003	MSF	Top Dressing 1/8" - 1/4" Sand	8.01	
32 18 23 23-0004	BAG	Envirofill, 50 Lb. Bag	76.75	

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	7.41	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,996.35	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,634.76	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	7,112.31	
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,626.08	
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,516.66	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,884.04	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	31,731.86	

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	8.74	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	29,543.63	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	24,510.27	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,659.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,844.94	
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,626.10	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,978.38	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	33,318.65	

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	8.93	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	30,090.74	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	26,479.85	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields. Note: Per sport.	8,206.56	
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	3,063.78	
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,735.52	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	24,072.59	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,905.25	

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	10.17	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	31,184.76	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	33,263.74	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,300.72	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,501.45	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,954.35	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	26,260.85	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	38,078.23	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	10.57	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	31,731.86	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,984.03	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,847.82	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,720.29	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	3,063.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	27,355.05	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	39,664.82	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	10.58	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	32,278.96	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	37,202.87	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,394.92	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,939.13	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,173.19	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	28,449.25	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	41,251.42	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	10.81	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,826.06	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	39,610.11	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,942.02	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,376.81	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,282.61	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	29,543.45	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	42,838.01	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	8.33	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,902.32	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,571.12	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	6,018.15	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,188.42	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per end zone.	2,297.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,695.75	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	28,558.84	

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	7.15	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	28,449.25	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,884.04	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,565.21	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,407.24	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per end zone.	2,407.24	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,789.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	30,145.27	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	17.83	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	15.82	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	53,991.73	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	64,144.02	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,689.91	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,999.08	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields Note: Per end zone.	4,452.93	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	40,076.34	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	58,837.14	

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	9.20	
		For >35,000, Deduct	*-0.78*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	9.10	
		For >35,000, Deduct	*-0.77*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	9.57	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	74,661.11	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,733.06	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.50	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	9.13	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.60	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.31	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.16	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,488.70	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,887.04	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.82	
		For >10,000 To 30,000, Deduct	*-0.33*	
		For >30,000 To 60,000, Deduct	*-0.57*	
		For >60,000, Deduct	*-0.63*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.58	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.20	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	5.08	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.12	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,959.80	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.64	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.46	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.84	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	22.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 33-0003		Running Track Seal And Colored Surfaces *(32 18 23 33)*		
32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	9.98	
32 18 23 39		**Synthetic Running Track Surfacing** *(32 18 23)*		
32 18 23 39-0001		Synthetic Running Track Surfacing And Striping *(32 18 23 39)* Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	75.77	3.79
		For >5,500, Deduct	*-6.87*	
		For Up To 4,000, Add	*21.85*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	97.70	3.79
		For >5,500, Deduct	*-9.21*	
		For Up To 4,000, Add	*29.32*	
		For Custom Color Upgrade, Add	*7.96*	
		For Aliphatic Top Coating, Add	*15.08*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	161.67	3.79
		For >5,500, Deduct	*-8.45*	
		For Up To 4,000, Add	*49.27*	
		For Custom Color Upgrade, Add	*10.84*	
		For Aliphatic Top Coating, Add	*20.13*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	209.58	3.79
		For >5,500, Deduct	*-10.91*	
		For Up To 4,000, Add	*63.65*	
		For Custom Color Upgrade, Add	*14.18*	
		For Aliphatic Top Coating, Add	*20.73*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	80.00	
		For >5,500, Deduct	*-11.60*	
		For Up To 4,000, Add	*28.00*	
32 18 23 39-0007	SY	Spray Retop Running Tracks	70.27	
		For Up To 4,000, Add	*24.59*	
		For >5,500, Deduct	*-6.87*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	136.01	
		For Up To 4,000, Add	*47.60*	
		For >5,500, Deduct	*-14.34*	
32 18 23 53		**Tennis Court Surfacing** *(32 18 23)*		
32 18 23 53-0001		Tennis Court Surfacing *(32 18 23 53)* See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	26.11	
32 18 23 53-0003		Tennis Court Markings *(32 18 23 53)*		
32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	337.51	
32 18 23 56		**Natural Tennis Court Surfacing** *(32 18 23)*		
32 18 23 56-0001	SY	Clay Tennis Court	35.81	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	39.95	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	18.07	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	9.91	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	8.28	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	6.70	
32 18 23 61		**Multi-Use, Tennis Court, Basketball Court Athletic Surfacing** *(32 18 23)*		
32 18 23 61-0001		100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002		Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.01	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.51	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	1.35	
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	67.63	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0007		Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
		Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat	2.73	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*1.21*	
		For US Open Blue, Add	*1.87*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat	2.12	
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.87*	
		For US Open Blue, Add	*1.34*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat	1.77	
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
		For Pacific Blue, Add	*0.67*	
		For US Open Blue, Add	*1.04*	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat	1.76	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	*0.81*	
		For US Open Or Australian Open Blue, Add	*1.32*	
		For Pro Purple, Add	*2.28*	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®)	0.86	
		Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	4.48	
		Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	6.30	
		Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	5.35	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat	3.88	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat	2.83	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)*		
		Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.11	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0001		Gate Operators *(32 31 11)*		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,104.48	111.05
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,920.18	111.05
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	4,208.96	222.11
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	5,840.35	222.11
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0011		**Single Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	4,656.14	111.05
		Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.		
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	5,095.36	111.05
		Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.		
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	7,040.48	111.05
		Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	8,023.50	111.05
		Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		**Dual Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	8,161.95	222.11
		Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.		
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	9,040.39	222.11
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.		
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,909.71	222.11
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	15,063.98	222.11
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0021		**Sliding Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
		Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,954.24	111.05
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,785.99	133.27
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,520.83	133.27
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,641.27	155.47
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,775.03	155.47
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	7,960.99	177.69
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	13,582.53	177.69
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	23,263.90	199.89
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030		**Accessories For Gate Actuators And Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	572.73	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,101.55	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	925.45	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	948.96	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	823.47	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	520.20	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.46	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.77	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.81	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	13.85	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	558.58	55.57
32 31 11 00-0042		**Sliding Gate Operator (LiftMaster)** *(32 31 11 00-0001)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).	2,915.57	138.39
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*218.33*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*156.28*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*76.96*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*309.35*	
		For Each Additional 10' Chain, Add	*46.34*	

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0081 for core drilling in concrete, 02 41 19 13-0219 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	6.06
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	6.82
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.09
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.10
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.92
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.91
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.13
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.64
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.59
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	18.19
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.82
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	27.29

32 31 13 13-0015 Post Hole In Rock *(32 31 13 13-0001)*

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	37.62
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	14.47

32 31 13 13-0018 Fill For Post Holes *(32 31 13 13-0001)*

See CSI section 03 21 00 00-0000 for reinforcing steel.

32 31 13 13-0019 Concrete Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	3.80
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	4.84
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	5.45
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	6.49
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	9.31
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	12.43
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	15.28
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	17.96
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	25.18
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	31.96
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	38.62
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	45.64

32 31 13 13-0032 Grout Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	4.28
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	5.48
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	6.08
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	7.10
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	10.07
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	13.43
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	16.47
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	19.27
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	26.54
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	33.23
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	39.78
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	46.62

32 31 13 13-0045 Compacted Earth Fill For Post Holes *(32 31 13 13-0018)*

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	2.47
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.21
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	3.36
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	3.47
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	4.63
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	6.16
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	7.40
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	8.39
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	10.22
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	11.48
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	12.58
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	13.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)* Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)* Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	20.12	1.63
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	19.65	1.39
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	19.09	1.14
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	18.63	0.91
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	18.33	0.78
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	17.85	0.55
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)* Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.71	1.51
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.43*	
		For Vinyl Coated, Add	*5.82*	
		For Powder Coated, Add	*7.76*	
		For Aluminum Coated, Add	*12.13*	
		For Schedule 20, Deduct	*-1.94*	
		For Schedule 80, Add	*4.96*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.14	1.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.40*	
		For Vinyl Coated, Add	*5.75*	
		For Powder Coated, Add	*7.67*	
		For Aluminum Coated, Add	*11.99*	
		For Schedule 20, Deduct	*-1.92*	
		For Schedule 80, Add	*4.86*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.56	1.03
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.72*	
		For Powder Coated, Add	*7.62*	
		For Aluminum Coated, Add	*11.91*	
		For Schedule 20, Deduct	*-1.91*	
		For Schedule 80, Add	*4.78*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.14	0.78
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.70*	
		For Powder Coated, Add	*7.60*	
		For Aluminum Coated, Add	*11.88*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.72*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.85	0.67
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.59*	
		For Aluminum Coated, Add	*11.86*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.69*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.55	0.55
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.58*	
		For Aluminum Coated, Add	*11.85*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0074		**Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)** *(32 31 13 13-0059)* Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.99	1.57
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.97*	
		For Vinyl Coated, Add	*7.12*	
		For Powder Coated, Add	*9.50*	
		For Aluminum Coated, Add	*14.84*	
		For Schedule 20, Deduct	*-2.37*	
		For Schedule 80, Add	*6.01*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.42	1.33
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.93*	
		For Vinyl Coated, Add	*7.03*	
		For Powder Coated, Add	*9.38*	
		For Aluminum Coated, Add	*14.65*	
		For Schedule 20, Deduct	*-2.34*	
		For Schedule 80, Add	*5.90*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	13.81	1.09
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.91*	
		For Vinyl Coated, Add	*6.99*	
		For Powder Coated, Add	*9.32*	
		For Aluminum Coated, Add	*14.56*	
		For Schedule 20, Deduct	*-2.33*	
		For Schedule 80, Add	*5.81*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.33	0.84
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.97*	
		For Powder Coated, Add	*9.29*	
		For Aluminum Coated, Add	*14.51*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.74*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.03	0.72
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.71*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	12.76	0.61
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.68*	
32 31 13 13-0081		**Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)** *(32 31 13 13-0059)* Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.00	1.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.93*	
		For Vinyl Coated, Add	*9.42*	
		For Powder Coated, Add	*12.56*	
		For Aluminum Coated, Add	*19.63*	
		For Schedule 20, Deduct	*-3.14*	
		For Schedule 80, Add	*7.87*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	18.36	1.45
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.88*	
		For Vinyl Coated, Add	*9.32*	
		For Powder Coated, Add	*12.42*	
		For Aluminum Coated, Add	*19.41*	
		For Schedule 20, Deduct	*-3.11*	
		For Schedule 80, Add	*7.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	17.72	1.14
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.86*	
		For Vinyl Coated, Add	*9.27*	
		For Powder Coated, Add	*12.36*	
		For Aluminum Coated, Add	*19.31*	
		For Schedule 20, Deduct	*-3.09*	
		For Schedule 80, Add	*7.64*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	17.21	0.91
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.24*	
		For Powder Coated, Add	*12.32*	
		For Aluminum Coated, Add	*19.25*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.57*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	16.89	0.78
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.53*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	16.61	0.61
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.51*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	27.33	1.81
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.93*	
		For Vinyl Coated, Add	*14.23*	
		For Powder Coated, Add	*18.97*	
		For Aluminum Coated, Add	*29.64*	
		For Schedule 20, Deduct	*-4.74*	
		For Schedule 80, Add	*11.74*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	26.48	1.57
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.84*	
		For Vinyl Coated, Add	*14.02*	
		For Powder Coated, Add	*18.69*	
		For Aluminum Coated, Add	*29.20*	
		For Schedule 20, Deduct	*-4.67*	
		For Schedule 80, Add	*11.52*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	25.71	1.27
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.80*	
		For Vinyl Coated, Add	*13.91*	
		For Powder Coated, Add	*18.55*	
		For Aluminum Coated, Add	*28.99*	
		For Schedule 20, Deduct	*-4.64*	
		For Schedule 80, Add	*11.38*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	25.11	1.03
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.78*	
		For Vinyl Coated, Add	*13.86*	
		For Powder Coated, Add	*18.48*	
		For Aluminum Coated, Add	*28.88*	
		For Schedule 20, Deduct	*-4.62*	
		For Schedule 80, Add	*11.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	24.73	0.84
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.77*	
		For Vinyl Coated, Add	*13.84*	
		For Powder Coated, Add	*18.45*	
		For Aluminum Coated, Add	*28.83*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.24*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	24.41	0.67
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.76*	
		For Vinyl Coated, Add	*13.83*	
		For Powder Coated, Add	*18.44*	
		For Aluminum Coated, Add	*28.81*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.20*	

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	42.50	1.93
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.67*	
		For Vinyl Coated, Add	*23.21*	
		For Powder Coated, Add	*30.95*	
		For Aluminum Coated, Add	*48.36*	
		For Schedule 20, Deduct	*-7.74*	
		For Schedule 80, Add	*18.95*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	41.23	1.57
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.52*	
		For Vinyl Coated, Add	*22.84*	
		For Powder Coated, Add	*30.45*	
		For Aluminum Coated, Add	*47.58*	
		For Schedule 20, Deduct	*-7.61*	
		For Schedule 80, Add	*18.59*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	40.40	1.33
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.44*	
		For Vinyl Coated, Add	*22.65*	
		For Powder Coated, Add	*30.20*	
		For Aluminum Coated, Add	*47.19*	
		For Schedule 20, Deduct	*-7.55*	
		For Schedule 80, Add	*18.39*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.71	1.09
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.40*	
		For Vinyl Coated, Add	*22.55*	
		For Powder Coated, Add	*30.07*	
		For Aluminum Coated, Add	*46.99*	
		For Schedule 20, Deduct	*-7.52*	
		For Schedule 80, Add	*18.26*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.63	1.09
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.38*	
		For Vinyl Coated, Add	*22.51*	
		For Powder Coated, Add	*30.01*	
		For Aluminum Coated, Add	*46.89*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.22*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	39.00	0.78
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.37*	
		For Vinyl Coated, Add	*22.49*	
		For Powder Coated, Add	*29.99*	
		For Aluminum Coated, Add	*46.86*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.15*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	88.91	2.11
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*21.17*	
		For Vinyl Coated, Add	*50.80*	
		For Powder Coated, Add	*67.74*	
		For Aluminum Coated, Add	*105.84*	
		For Schedule 20, Deduct	*-16.93*	
		For Schedule 80, Add	*41.07*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	85.83	1.75
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.57*	
		For Vinyl Coated, Add	*49.37*	
		For Powder Coated, Add	*65.82*	
		For Aluminum Coated, Add	*102.85*	
		For Schedule 20, Deduct	*-16.46*	
		For Schedule 80, Add	*39.85*	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	84.03	1.45
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.27*	
		For Vinyl Coated, Add	*48.65*	
		For Powder Coated, Add	*64.87*	
		For Aluminum Coated, Add	*101.36*	
		For Schedule 20, Deduct	*-16.22*	
		For Schedule 80, Add	*39.22*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	82.84	1.14
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.12*	
		For Vinyl Coated, Add	*48.29*	
		For Powder Coated, Add	*64.39*	
		For Aluminum Coated, Add	*100.61*	
		For Schedule 20, Deduct	*-16.10*	
		For Schedule 80, Add	*38.87*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	82.21	1.03
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.05*	
		For Vinyl Coated, Add	*48.12*	
		For Powder Coated, Add	*64.16*	
		For Aluminum Coated, Add	*100.25*	
		For Schedule 20, Deduct	*-16.04*	
		For Schedule 80, Add	*38.70*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	81.81	0.84
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.04*	
		For Vinyl Coated, Add	*48.08*	
		For Powder Coated, Add	*64.11*	
		For Aluminum Coated, Add	*100.18*	
		For Schedule 20, Deduct	*-16.03*	
		For Schedule 80, Add	*38.63*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	177.83	2.36
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*43.28*	
		For Vinyl Coated, Add	*103.88*	
		For Powder Coated, Add	*138.50*	
		For Aluminum Coated, Add	*216.41*	
		For Schedule 20, Deduct	*-34.63*	
		For Schedule 80, Add	*83.57*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	172.31	2.00
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*42.10*	
		For Vinyl Coated, Add	*101.03*	
		For Powder Coated, Add	*134.70*	
		For Aluminum Coated, Add	*210.48*	
		For Schedule 20, Deduct	*-33.68*	
		For Schedule 80, Add	*81.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	169.27	1.63
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.50*	
		For Vinyl Coated, Add	*99.61*	
		For Powder Coated, Add	*132.81*	
		For Aluminum Coated, Add	*207.51*	
		For Schedule 20, Deduct	*-33.20*	
		For Schedule 80, Add	*80.01*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	167.42	1.27
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.21*	
		For Vinyl Coated, Add	*98.90*	
		For Powder Coated, Add	*131.86*	
		For Aluminum Coated, Add	*206.04*	
		For Schedule 20, Deduct	*-32.97*	
		For Schedule 80, Add	*79.38*	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	166.46	1.09
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.06*	
		For Vinyl Coated, Add	*98.54*	
		For Powder Coated, Add	*131.38*	
		For Aluminum Coated, Add	*205.29*	
		For Schedule 20, Deduct	*-32.85*	
		For Schedule 80, Add	*79.05*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	165.98	0.91
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.03*	
		For Vinyl Coated, Add	*98.47*	
		For Powder Coated, Add	*131.29*	
		For Aluminum Coated, Add	*205.14*	
		For Schedule 20, Deduct	*-32.82*	
		For Schedule 80, Add	*78.96*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*

Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	66.95
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	66.95
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	69.75
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	82.13

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	73.71
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	69.51
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	74.56
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	82.13
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	82.13

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	81.89
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	77.92
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	87.73
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	87.74
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	105.97
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	118.87

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	81.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	77.92	
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	87.74	
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	89.98	

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts *(32 31 13 13-0140)*

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0661 for barb wire attachments.

32 31 13 13-0142 Galvanized *(32 31 13 13-0141)*

32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	38.05	2.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.30*	
		For 13 Gauge Fabric, Deduct	*-10.43*	
		For 11 Gauge Fabric, Deduct	*-6.09*	
		For 6 Gauge Fabric, Add	*9.57*	
		For 1" Mesh Fabric, Add	*13.05*	
		For 1-3/4" Mesh Fabric, Add	*5.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.48*	
		For Posts 8' On Centers, Add	*2.00*	
		For Posts 5' On Centers, Add	*7.37*	
		For Up To 100, Add	*6.51*	
		For >100 To 250, Add	*2.30*	
		For >2,500 To 5,000, Deduct	*-1.15*	
		For >5,000, Deduct	*-2.30*	
		For 3/8" Non-Climbable Mesh, Add	*29.66*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	39.73	2.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.40*	
		For 13 Gauge Fabric, Deduct	*-10.97*	
		For 11 Gauge Fabric, Deduct	*-6.41*	
		For 6 Gauge Fabric, Add	*10.07*	
		For 1" Mesh Fabric, Add	*13.73*	
		For 1-3/4" Mesh Fabric, Add	*5.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.66*	
		For Posts 8' On Centers, Add	*2.08*	
		For Posts 5' On Centers, Add	*7.68*	
		For Up To 100, Add	*6.78*	
		For >100 To 250, Add	*2.40*	
		For >2,500 To 5,000, Deduct	*-1.20*	
		For >5,000, Deduct	*-2.40*	
		For 3/8" Non-Climbable Mesh, Add	*34.28*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	41.18	2.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.47*	
		For 13 Gauge Fabric, Deduct	*-11.43*	
		For 11 Gauge Fabric, Deduct	*-6.68*	
		For 6 Gauge Fabric, Add	*10.49*	
		For 1" Mesh Fabric, Add	*14.31*	
		For 1-3/4" Mesh Fabric, Add	*5.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.82*	
		For Posts 8' On Centers, Add	*2.16*	
		For Posts 5' On Centers, Add	*7.95*	
		For Up To 100, Add	*7.01*	
		For >100 To 250, Add	*2.47*	
		For >2,500 To 5,000, Deduct	*-1.24*	
		For >5,000, Deduct	*-2.47*	
		For 3/8" Non-Climbable Mesh, Add	*38.97*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.62	2.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.66*	
		For 13 Gauge Fabric, Deduct	*-12.53*	
		For 11 Gauge Fabric, Deduct	*-7.32*	
		For 6 Gauge Fabric, Add	*11.50*	
		For 1" Mesh Fabric, Add	*15.69*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For Posts 8' On Centers, Add	*2.33*	
		For Posts 5' On Centers, Add	*8.59*	
		For Up To 100, Add	*7.55*	
		For >100 To 250, Add	*2.66*	
		For >2,500 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-2.66*	
		For 3/8" Non-Climbable Mesh, Add	*47.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.36	2.06
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.87*	
		For 13 Gauge Fabric, Deduct	*-13.64*	
		For 11 Gauge Fabric, Deduct	*-7.97*	
		For 6 Gauge Fabric, Add	*12.52*	
		For 1" Mesh Fabric, Add	*17.07*	
		For 1-3/4" Mesh Fabric, Add	*6.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.55*	
		For Posts 8' On Centers, Add	*2.53*	
		For Posts 5' On Centers, Add	*9.30*	
		For Up To 100, Add	*8.17*	
		For >100 To 250, Add	*2.87*	
		For >2,500 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.87*	
		For 3/8" Non-Climbable Mesh, Add	*57.02*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	50.05	3.08
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.98*	
		For 13 Gauge Fabric, Deduct	*-14.11*	
		For 11 Gauge Fabric, Deduct	*-8.24*	
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.66*	
		For 1-3/4" Mesh Fabric, Add	*7.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.71*	
		For Posts 8' On Centers, Add	*2.62*	
		For Posts 5' On Centers, Add	*9.62*	
		For Up To 100, Add	*8.45*	
		For >100 To 250, Add	*2.98*	
		For >2,500 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.98*	
		For 3/8" Non-Climbable Mesh, Add	*66.15*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	57.53	3.59
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.38*	
		For 13 Gauge Fabric, Deduct	*-16.49*	
		For 11 Gauge Fabric, Deduct	*-9.63*	
		For 6 Gauge Fabric, Add	*15.14*	
		For 1" Mesh Fabric, Add	*20.64*	
		For 1-3/4" Mesh Fabric, Add	*8.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.50*	
		For Posts 8' On Centers, Add	*3.00*	
		For Posts 5' On Centers, Add	*11.01*	
		For Up To 100, Add	*9.64*	
		For >100 To 250, Add	*3.38*	
		For >2,500 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-3.38*	
		For 3/8" Non-Climbable Mesh, Add	*75.32*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	61.45	4.61
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.60*	
		For 13 Gauge Fabric, Deduct	*-17.69*	
		For 11 Gauge Fabric, Deduct	*-10.33*	
		For 6 Gauge Fabric, Add	*16.24*	
		For 1" Mesh Fabric, Add	*22.14*	
		For 1-3/4" Mesh Fabric, Add	*8.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.90*	
		For Posts 8' On Centers, Add	*3.20*	
		For Posts 5' On Centers, Add	*11.75*	
		For Up To 100, Add	*10.27*	
		For >100 To 250, Add	*3.60*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.60*	
		For 3/8" Non-Climbable Mesh, Add	*83.46*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	65.38	5.13
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.82*	
		For 13 Gauge Fabric, Deduct	*-18.89*	
		For 11 Gauge Fabric, Deduct	*-11.03*	
		For 6 Gauge Fabric, Add	*17.34*	
		For 1" Mesh Fabric, Add	*23.64*	
		For 1-3/4" Mesh Fabric, Add	*9.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.73*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.30*	
		For Posts 8' On Centers, Add	*3.40*	
		For Posts 5' On Centers, Add	*12.49*	
		For Up To 100, Add	*10.91*	
		For >100 To 250, Add	*3.82*	
		For >2,500 To 5,000, Deduct	*-1.91*	
		For >5,000, Deduct	*-3.82*	
		For 3/8" Non-Climbable Mesh, Add	*91.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	72.75	6.16
		For Each Additional Foot >12, Add	*2.95*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.24*	
		For 13 Gauge Fabric, Deduct	*-21.13*	
		For 11 Gauge Fabric, Deduct	*-12.34*	
		For 6 Gauge Fabric, Add	*19.40*	
		For 1" Mesh Fabric, Add	*26.45*	
		For 1-3/4" Mesh Fabric, Add	*10.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.05*	
		For Posts 8' On Centers, Add	*3.78*	
		For Posts 5' On Centers, Add	*13.87*	
		For Up To 100, Add	*12.11*	
		For >100 To 250, Add	*4.24*	
		For >2,500 To 5,000, Deduct	*-2.12*	
		For >5,000, Deduct	*-4.24*	
		For 3/8" Non-Climbable Mesh, Add	*99.45*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	42.90	2.06
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.19*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.56*	
		For 13 Gauge Fabric, Deduct	*-12.03*	
		For 11 Gauge Fabric, Deduct	*-7.03*	
		For 6 Gauge Fabric, Add	*11.04*	
		For 1" Mesh Fabric, Add	*15.06*	
		For 1-3/4" Mesh Fabric, Add	*6.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.01*	
		For Posts 8' On Centers, Add	*2.24*	
		For Posts 5' On Centers, Add	*8.26*	
		For Up To 100, Add	*7.26*	
		For >100 To 250, Add	*2.56*	
		For >2,500 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-2.56*	
		For 3/8" Non-Climbable Mesh, Add	*44.24*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.78	2.06
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.73*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.77*	
		For 13 Gauge Fabric, Deduct	*-13.28*	
		For 11 Gauge Fabric, Deduct	*-7.76*	
		For 6 Gauge Fabric, Add	*12.19*	
		For 1" Mesh Fabric, Add	*16.63*	
		For 1-3/4" Mesh Fabric, Add	*6.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.43*	
		For Posts 8' On Centers, Add	*2.44*	
		For Posts 5' On Centers, Add	*8.98*	
		For Up To 100, Add	*7.87*	
		For >100 To 250, Add	*2.77*	
		For >2,500 To 5,000, Deduct	*-1.38*	
		For >5,000, Deduct	*-2.77*	
		For 3/8" Non-Climbable Mesh, Add	*54.57*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.76	2.06
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.55*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.09*	
		For 13 Gauge Fabric, Deduct	*-15.17*	
		For 11 Gauge Fabric, Deduct	*-8.86*	
		For 6 Gauge Fabric, Add	*13.92*	
		For 1" Mesh Fabric, Add	*18.99*	
		For 1-3/4" Mesh Fabric, Add	*7.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.06*	
		For Posts 8' On Centers, Add	*2.75*	
		For Posts 5' On Centers, Add	*10.09*	
		For Up To 100, Add	*8.83*	
		For >100 To 250, Add	*3.09*	
		For >2,500 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-3.09*	
		For 3/8" Non-Climbable Mesh, Add	*64.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.16	3.08
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.23*	
		For 13 Gauge Fabric, Deduct	*-15.88*	
		For 11 Gauge Fabric, Deduct	*-9.28*	
		For 6 Gauge Fabric, Add	*14.58*	
		For 1" Mesh Fabric, Add	*19.88*	
		For 1-3/4" Mesh Fabric, Add	*7.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.98*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.30*	
		For Posts 8' On Centers, Add	*2.87*	
		For Posts 5' On Centers, Add	*10.54*	
		For Up To 100, Add	*9.22*	
		For >100 To 250, Add	*3.23*	
		For >2,500 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-3.23*	
		For 3/8" Non-Climbable Mesh, Add	*75.36*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	63.49	3.59
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.01*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.68*	
		For 13 Gauge Fabric, Deduct	*-18.56*	
		For 11 Gauge Fabric, Deduct	*-10.84*	
		For 6 Gauge Fabric, Add	*17.04*	
		For 1" Mesh Fabric, Add	*23.23*	
		For 1-3/4" Mesh Fabric, Add	*9.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.65*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.20*	
		For Posts 8' On Centers, Add	*3.30*	
		For Posts 5' On Centers, Add	*12.08*	
		For Up To 100, Add	*10.53*	
		For >100 To 250, Add	*3.68*	
		For >2,500 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-3.68*	
		For 3/8" Non-Climbable Mesh, Add	*85.85*	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.85	4.61
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.60*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.92*	
		For 13 Gauge Fabric, Deduct	*-19.91*	
		For 11 Gauge Fabric, Deduct	*-11.63*	
		For 6 Gauge Fabric, Add	*18.28*	
		For 1" Mesh Fabric, Add	*24.93*	
		For 1-3/4" Mesh Fabric, Add	*9.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.65*	
		For Posts 8' On Centers, Add	*3.52*	
		For Posts 5' On Centers, Add	*12.90*	
		For Up To 100, Add	*11.23*	
		For >100 To 250, Add	*3.92*	
		For >2,500 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.92*	
		For 3/8" Non-Climbable Mesh, Add	*95.17*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	72.21	5.13
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.18*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.16*	
		For 13 Gauge Fabric, Deduct	*-21.26*	
		For 11 Gauge Fabric, Deduct	*-12.42*	
		For 6 Gauge Fabric, Add	*19.52*	
		For 1" Mesh Fabric, Add	*26.61*	
		For 1-3/4" Mesh Fabric, Add	*10.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.10*	
		For Posts 8' On Centers, Add	*3.74*	
		For Posts 5' On Centers, Add	*13.71*	
		For Up To 100, Add	*11.93*	
		For >100 To 250, Add	*4.16*	
		For >2,500 To 5,000, Deduct	*-2.08*	
		For >5,000, Deduct	*-4.16*	
		For 3/8" Non-Climbable Mesh, Add	*104.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	78.76	6.16
		For Each Additional Foot >12, Add	*3.20*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*10.02*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.54*	
		For 13 Gauge Fabric, Deduct	*-23.22*	
		For 11 Gauge Fabric, Deduct	*-13.56*	
		For 6 Gauge Fabric, Add	*21.31*	
		For 1" Mesh Fabric, Add	*29.06*	
		For 1-3/4" Mesh Fabric, Add	*11.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.75*	
		For Posts 8' On Centers, Add	*4.08*	
		For Posts 5' On Centers, Add	*14.95*	
		For Up To 100, Add	*13.01*	
		For >100 To 250, Add	*4.54*	
		For >2,500 To 5,000, Deduct	*-2.27*	
		For >5,000, Deduct	*-4.54*	
		For 3/8" Non-Climbable Mesh, Add	*113.44*	

32 31 13 13-0162 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*

Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	7.33	0.67
		For SS15, Deduct	*-0.59*	
		For SS40, Add	*1.49*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	9.33	0.67
		For SS40, Add	*0.79*	
		For Powder Coated, Add	*1.59*	
		For Aluminum Coated, Add	*3.18*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	9.42	0.76
		For SS15, Deduct	*-0.79*	
		For SS40, Add	*1.98*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	12.09	0.76
		For SS40, Add	*1.06*	
		For Powder Coated, Add	*2.12*	
		For Aluminum Coated, Add	*4.23*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	11.19	0.84
		For SS40, Add	*2.38*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	14.39	0.84
		For SS40, Add	*1.27*	
		For Powder Coated, Add	*2.54*	
		For Aluminum Coated, Add	*5.08*	

32 31 13 13-0170 SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) *(32 31 13 13-0162)*

32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	10.07	0.67
		For SS40, Add	*2.14*	
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	12.74	0.67
		For SS40, Add	*1.12*	
		For Powder Coated, Add	*2.25*	
		For Aluminum Coated, Add	*4.49*	

32 31 13 13-0173 Fabric *(32 31 13 13)*

32 31 13 13-0174 Fabric, Galvanized Chain Link *(32 31 13 13-0173)*

32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.15	1.20
		For 1-1/4" Mesh Fabric, Add	*1.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.06*	
		For 13 Gauge Fabric, Deduct	*-1.90*	
		For 11 Gauge Fabric, Deduct	*-1.06*	
		For 6 Gauge Fabric, Add	*3.38*	
		For 1" Mesh Fabric, Add	*3.17*	
		For 1-1/4" Mesh Fabric, Add	*2.12*	
		For 1-3/4" Mesh Fabric, Add	*1.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.63*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.85*	
		For 3/8" Non-Climbable Mesh, Add	*30.24*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.16	1.36
		For 1-1/4" Mesh Fabric, Add	*1.38*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.23*	
		For 13 Gauge Fabric, Deduct	*-2.22*	
		For 11 Gauge Fabric, Deduct	*-1.23*	
		For 6 Gauge Fabric, Add	*3.94*	
		For 1" Mesh Fabric, Add	*3.70*	
		For 1-1/4" Mesh Fabric, Add	*2.47*	
		For 1-3/4" Mesh Fabric, Add	*1.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.74*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.99*	
		For 3/8" Non-Climbable Mesh, Add	*34.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	9.95	1.51
		For 1-1/4" Mesh Fabric, Add	*1.52*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.36*	
		For 13 Gauge Fabric, Deduct	*-2.44*	
		For 11 Gauge Fabric, Deduct	*-1.36*	
		For 6 Gauge Fabric, Add	*4.34*	
		For 1" Mesh Fabric, Add	*4.07*	
		For 1-1/4" Mesh Fabric, Add	*2.71*	
		For 1-3/4" Mesh Fabric, Add	*1.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.08*	
		For 3/8" Non-Climbable Mesh, Add	*39.65*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.58	1.81
		For 1-1/4" Mesh Fabric, Add	*1.89*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.69*	
		For 13 Gauge Fabric, Deduct	*-3.04*	
		For 11 Gauge Fabric, Deduct	*-1.69*	
		For 6 Gauge Fabric, Add	*5.41*	
		For 1" Mesh Fabric, Add	*5.07*	
		For 1-1/4" Mesh Fabric, Add	*3.38*	
		For 1-3/4" Mesh Fabric, Add	*2.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.35*	
		For 3/8" Non-Climbable Mesh, Add	*48.69*	
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.30	2.11
		For 1-1/4" Mesh Fabric, Add	*2.28*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.03*	
		For 13 Gauge Fabric, Deduct	*-3.66*	
		For 11 Gauge Fabric, Deduct	*-2.03*	
		For 6 Gauge Fabric, Add	*6.50*	
		For 1" Mesh Fabric, Add	*6.10*	
		For 1-1/4" Mesh Fabric, Add	*4.07*	
		For 1-3/4" Mesh Fabric, Add	*2.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.22*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.63*	
		For 3/8" Non-Climbable Mesh, Add	*57.80*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.03	2.42
		For 1-1/4" Mesh Fabric, Add	*2.65*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.37*	
		For 13 Gauge Fabric, Deduct	*-4.26*	
		For 11 Gauge Fabric, Deduct	*-2.37*	
		For 6 Gauge Fabric, Add	*7.57*	
		For 1" Mesh Fabric, Add	*7.10*	
		For 1-1/4" Mesh Fabric, Add	*4.73*	
		For 1-3/4" Mesh Fabric, Add	*2.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.89*	
		For 3/8" Non-Climbable Mesh, Add	*66.98*	
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.87	3.01
		For 1-1/4" Mesh Fabric, Add	*3.03*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.71*	
		For 13 Gauge Fabric, Deduct	*-4.87*	
		For 11 Gauge Fabric, Deduct	*-2.71*	
		For 6 Gauge Fabric, Add	*8.66*	
		For 1" Mesh Fabric, Add	*8.12*	
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 1-3/4" Mesh Fabric, Add	*3.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.17*	
		For 3/8" Non-Climbable Mesh, Add	*76.23*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	20.72	3.32
		For 1-1/4" Mesh Fabric, Add	*3.94*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.52*	
		For 13 Gauge Fabric, Deduct	*-6.33*	
		For 11 Gauge Fabric, Deduct	*-3.52*	
		For 6 Gauge Fabric, Add	*11.25*	
		For 1" Mesh Fabric, Add	*10.55*	
		For 1-1/4" Mesh Fabric, Add	*7.03*	
		For 1-3/4" Mesh Fabric, Add	*4.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.81*	
		For 3/8" Non-Climbable Mesh, Add	*92.72*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	24.09	3.62
		For 1-1/4" Mesh Fabric, Add	*4.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.21*	
		For 13 Gauge Fabric, Deduct	*-7.58*	
		For 11 Gauge Fabric, Deduct	*-4.21*	
		For 6 Gauge Fabric, Add	*13.48*	
		For 1" Mesh Fabric, Add	*12.64*	
		For 1-1/4" Mesh Fabric, Add	*8.43*	
		For 1-3/4" Mesh Fabric, Add	*5.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.37*	
		For 3/8" Non-Climbable Mesh, Add	*100.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	26.55	4.23
		For 1-1/4" Mesh Fabric, Add	*5.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.53*	
		For 13 Gauge Fabric, Deduct	*-8.15*	
		For 11 Gauge Fabric, Deduct	*-4.53*	
		For 6 Gauge Fabric, Add	*14.48*	
		For 1" Mesh Fabric, Add	*13.58*	
		For 1-1/4" Mesh Fabric, Add	*9.05*	
		For 1-3/4" Mesh Fabric, Add	*5.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.72*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.62*	
		For 3/8" Non-Climbable Mesh, Add	*109.00*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.01	4.82
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.84*	
		For 13 Gauge Fabric, Deduct	*-8.71*	
		For 11 Gauge Fabric, Deduct	*-4.84*	
		For 6 Gauge Fabric, Add	*15.48*	
		For 1" Mesh Fabric, Add	*14.51*	
		For 1-1/4" Mesh Fabric, Add	*9.68*	
		For 1-3/4" Mesh Fabric, Add	*5.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.90*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.87*	
		For 3/8" Non-Climbable Mesh, Add	*117.47*	

32 31 13 13-0186 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0173)*

32 31 13 13-0187	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	11.67	1.20
		For 1-1/4" Mesh Fabric, Add	*2.00*	
		For 13 Gauge Fabric, Deduct	*-3.21*	
		For 11 Gauge Fabric, Deduct	*-1.79*	
		For 6 Gauge Fabric, Add	*5.71*	
		For 1" Mesh Fabric, Add	*5.36*	
		For 1-1/4" Mesh Fabric, Add	*3.57*	
		For 1-3/4" Mesh Fabric, Add	*2.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.07*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.43*	
		For 3/8" Non-Climbable Mesh, Add	*44.92*	
		For Aluminum Coated, Add	*2.86*	
32 31 13 13-0188	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	13.75	1.81
		For 1-1/4" Mesh Fabric, Add	*2.50*	
		For 13 Gauge Fabric, Deduct	*-4.02*	
		For 11 Gauge Fabric, Deduct	*-2.23*	
		For 6 Gauge Fabric, Add	*7.14*	
		For 1" Mesh Fabric, Add	*6.70*	
		For 1-1/4" Mesh Fabric, Add	*4.47*	
		For 1-3/4" Mesh Fabric, Add	*2.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.79*	
		For 3/8" Non-Climbable Mesh, Add	*55.28*	
		For Aluminum Coated, Add	*3.57*	
32 31 13 13-0189	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.69	2.11
		For 1-1/4" Mesh Fabric, Add	*3.51*	
		For 13 Gauge Fabric, Deduct	*-5.63*	
		For 11 Gauge Fabric, Deduct	*-3.13*	
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*9.39*	
		For 1-1/4" Mesh Fabric, Add	*6.26*	
		For 1-3/4" Mesh Fabric, Add	*3.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.88*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.50*	
		For 3/8" Non-Climbable Mesh, Add	*65.69*	
		For Aluminum Coated, Add	*5.01*	
32 31 13 13-0190	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.15	2.42
		For 1-1/4" Mesh Fabric, Add	*4.08*	
		For 13 Gauge Fabric, Deduct	*-6.56*	
		For 11 Gauge Fabric, Deduct	*-3.65*	
		For 6 Gauge Fabric, Add	*11.66*	
		For 1" Mesh Fabric, Add	*10.94*	
		For 1-1/4" Mesh Fabric, Add	*7.29*	
		For 1-3/4" Mesh Fabric, Add	*4.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.92*	
		For 3/8" Non-Climbable Mesh, Add	*76.19*	
		For Aluminum Coated, Add	*5.83*	
32 31 13 13-0191	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.83	3.01
		For 1-1/4" Mesh Fabric, Add	*4.70*	
		For 13 Gauge Fabric, Deduct	*-7.56*	
		For 11 Gauge Fabric, Deduct	*-4.20*	
		For 6 Gauge Fabric, Add	*13.43*	
		For 1" Mesh Fabric, Add	*12.59*	
		For 1-1/4" Mesh Fabric, Add	*8.40*	
		For 1-3/4" Mesh Fabric, Add	*5.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.52*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.36*	
		For 3/8" Non-Climbable Mesh, Add	*86.76*	
		For Aluminum Coated, Add	*6.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0192	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.55	3.32
		For 1-1/4" Mesh Fabric, Add	*5.85*	
		For 13 Gauge Fabric, Deduct	*-9.40*	
		For 11 Gauge Fabric, Deduct	*-5.22*	
		For 6 Gauge Fabric, Add	*16.71*	
		For 1" Mesh Fabric, Add	*15.67*	
		For 1-1/4" Mesh Fabric, Add	*10.45*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For 3/8" Non-Climbable Mesh, Add	*105.63*	
		For Aluminum Coated, Add	*8.36*	
32 31 13 13-0193	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.10	3.62
		For 1-1/4" Mesh Fabric, Add	*6.40*	
		For 13 Gauge Fabric, Deduct	*-10.29*	
		For 11 Gauge Fabric, Deduct	*-5.72*	
		For 6 Gauge Fabric, Add	*18.29*	
		For 1" Mesh Fabric, Add	*17.15*	
		For 1-1/4" Mesh Fabric, Add	*11.43*	
		For 1-3/4" Mesh Fabric, Add	*6.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.57*	
		For 3/8" Non-Climbable Mesh, Add	*114.53*	
		For Aluminum Coated, Add	*9.14*	
32 31 13 13-0194	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	33.61	4.23
		For 1-1/4" Mesh Fabric, Add	*7.04*	
		For 13 Gauge Fabric, Deduct	*-11.32*	
		For 11 Gauge Fabric, Deduct	*-6.29*	
		For 6 Gauge Fabric, Add	*20.13*	
		For 1" Mesh Fabric, Add	*18.87*	
		For 1-1/4" Mesh Fabric, Add	*12.58*	
		For 1-3/4" Mesh Fabric, Add	*7.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.03*	
		For 3/8" Non-Climbable Mesh, Add	*124.09*	
		For Aluminum Coated, Add	*10.06*	
32 31 13 13-0195	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	37.23	4.82
		For 1-1/4" Mesh Fabric, Add	*7.72*	
		For 13 Gauge Fabric, Deduct	*-12.41*	
		For 11 Gauge Fabric, Deduct	*-6.89*	
		For 6 Gauge Fabric, Add	*22.06*	
		For 1" Mesh Fabric, Add	*20.68*	
		For 1-1/4" Mesh Fabric, Add	*13.79*	
		For 1-3/4" Mesh Fabric, Add	*8.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.51*	
		For 3/8" Non-Climbable Mesh, Add	*133.64*	
		For Aluminum Coated, Add	*11.03*	
32 31 13 13-0196		**Fabric, Aluminized Steel Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0197	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.70	1.20
		For 6 Gauge Fabric, Add	*3.02*	
		For 1" Mesh Fabric, Add	*3.97*	
32 31 13 13-0198	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.62	1.36
		For 6 Gauge Fabric, Add	*3.51*	
		For 1" Mesh Fabric, Add	*4.61*	
32 31 13 13-0199	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.56	1.51
		For 6 Gauge Fabric, Add	*4.02*	
		For 1" Mesh Fabric, Add	*5.28*	
32 31 13 13-0200	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.10	1.81
		For 6 Gauge Fabric, Add	*5.02*	
		For 1" Mesh Fabric, Add	*6.59*	
32 31 13 13-0201	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.67	2.11
		For 6 Gauge Fabric, Add	*6.00*	
		For 1" Mesh Fabric, Add	*7.88*	
32 31 13 13-0202	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.35	2.42
		For 6 Gauge Fabric, Add	*7.02*	
		For 1" Mesh Fabric, Add	*9.22*	
32 31 13 13-0203	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.07	3.01
		For 6 Gauge Fabric, Add	*8.02*	
		For 1" Mesh Fabric, Add	*10.53*	
32 31 13 13-0204	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.19	3.32
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*13.16*	
32 31 13 13-0205	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	22.27	3.62
		For 6 Gauge Fabric, Add	*12.02*	
		For 1" Mesh Fabric, Add	*15.78*	
32 31 13 13-0206		**Fabric, All Aluminum Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0207	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	13.80	1.20
		For 6 Gauge Fabric, Add	*7.90*	
		For 1" Mesh Fabric, Add	*10.37*	
32 31 13 13-0208	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	15.75	1.36
		For 6 Gauge Fabric, Add	*9.22*	
		For 1" Mesh Fabric, Add	*12.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0209	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	17.70	1.51
		For 6 Gauge Fabric, Add	*10.54*	
		For 1" Mesh Fabric, Add	*13.83*	
32 31 13 13-0210	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.28	1.81
		For 6 Gauge Fabric, Add	*13.17*	
		For 1" Mesh Fabric, Add	*17.28*	
32 31 13 13-0211	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	24.92	2.11
		For 6 Gauge Fabric, Add	*15.80*	
		For 1" Mesh Fabric, Add	*20.74*	
32 31 13 13-0212	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	28.61	2.42
		For 6 Gauge Fabric, Add	*18.43*	
		For 1" Mesh Fabric, Add	*24.19*	
32 31 13 13-0213	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	32.37	3.01
		For 6 Gauge Fabric, Add	*21.06*	
		For 1" Mesh Fabric, Add	*27.65*	
32 31 13 13-0214	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	39.58	3.32
		For 6 Gauge Fabric, Add	*26.34*	
		For 1" Mesh Fabric, Add	*34.57*	
32 31 13 13-0215	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	46.74	3.62
		For 6 Gauge Fabric, Add	*31.60*	
		For 1" Mesh Fabric, Add	*41.48*	

32 31 13 13-0216 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0217 Vinyl Plastic Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0218	LF	3' High Fence, Vinyl Plastic Fence Insert	7.66
32 31 13 13-0219	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	8.62
32 31 13 13-0220	LF	4' High Fence, Vinyl Plastic Fence Insert	9.51
32 31 13 13-0221	LF	5' High Fence, Vinyl Plastic Fence Insert	11.93
32 31 13 13-0222	LF	6' High Fence, Vinyl Plastic Fence Insert	14.27
32 31 13 13-0223	LF	7' High Fence, Vinyl Plastic Fence Insert	16.70
32 31 13 13-0224	LF	8' High Fence, Vinyl Plastic Fence Insert	19.04
32 31 13 13-0225	LF	10' High Fence, Vinyl Plastic Fence Insert	24.24

32 31 13 13-0226 Aluminum Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0227	LF	3' High Fence, Aluminum Fence Insert	38.54
32 31 13 13-0228	LF	3-1/2' High Fence, Aluminum Fence Insert	42.05
32 31 13 13-0229	LF	4' High Fence, Aluminum Fence Insert	46.90
32 31 13 13-0230	LF	5' High Fence, Aluminum Fence Insert	58.65
32 31 13 13-0231	LF	6' High Fence, Aluminum Fence Insert	70.37
32 31 13 13-0232	LF	7' High Fence, Aluminum Fence Insert	75.46
32 31 13 13-0233	LF	8' High Fence, Aluminum Fence Insert	93.83
32 31 13 13-0234	LF	10' High Fence, Aluminum Fence Insert	118.29

32 31 13 13-0235 Redwood Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0236	LF	4' High Fence, Redwood Fence Insert	11.83
32 31 13 13-0237	LF	5' High Fence, Redwood Fence Insert	14.88
32 31 13 13-0238	LF	6' High Fence, Redwood Fence Insert	17.86
32 31 13 13-0239	LF	7' High Fence, Redwood Fence Insert	20.80
32 31 13 13-0240	LF	8' High Fence, Redwood Fence Insert	23.81

32 31 13 13-0241 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0216)*

32 31 13 13-0242	SF	Diagonal Polyethylene Fence Weave	3.02

32 31 13 13-0243 Hedge Link Fence Inserts *(32 31 13 13-0216)*

32 31 13 13-0244	LF	3' High Fence, Hedge Link Fence Insert	17.94
32 31 13 13-0245	LF	3-1/2' High Fence, Hedge Link Fence Insert	20.46
32 31 13 13-0246	LF	4' High Fence, Hedge Link Fence Insert	23.54
32 31 13 13-0247	LF	5' High Fence, Hedge Link Fence Insert	28.91
32 31 13 13-0248	LF	6' High Fence, Hedge Link Fence Insert	32.65
32 31 13 13-0249	LF	7' High Fence, Hedge Link Fence Insert	42.10
32 31 13 13-0250	LF	8' High Fence, Hedge Link Fence Insert	47.75
32 31 13 13-0251	LF	10' High Fence, Hedge Link Fence Insert	57.51
32 31 13 13-0252	LF	12' High Fence, Hedge Link Fence Insert	66.06

32 31 13 13-0253 Fence Windscreen Fabric *(32 31 13 13-0173)*

Note: Includes plastic wire clips.

32 31 13 13-0254	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	0.91	0.28
		For Sewn Boxed Vent (Each), Add	*29.76*	
		For Welded Boxed Vent (Each), Add	*14.88*	
		For 4' x 4' One Color Logo (Each), Add	*619.98*	

32 31 13 13-0255 Non-Climbable Fabric, Galvanized Chain Link *(32 31 13 13-0173)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0256	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	30.24	1.20
		For 11 Gauge, Deduct	*-5.26*	
		For 10 Gauge, Deduct	*-2.11*	
		For 7 Gauge, Add	*3.16*	
		For 6 Gauge, Add	*7.37*	
		For 1/2" Mesh Fabric, Deduct	*-1.32*	
		For 5/8" Mesh Fabric, Deduct	*-2.90*	
		For 3/4" Mesh Fabric, Deduct	*-4.21*	
32 31 13 13-0257	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.92	1.36
		For 11 Gauge, Deduct	*-6.14*	
		For 10 Gauge, Deduct	*-2.46*	
		For 7 Gauge, Add	*3.68*	
		For 6 Gauge, Add	*8.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.53*	
		For 5/8" Mesh Fabric, Deduct	*-3.38*	
		For 3/4" Mesh Fabric, Deduct	*-4.91*	
32 31 13 13-0258	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	39.65	1.51
		For 11 Gauge, Deduct	*-7.02*	
		For 10 Gauge, Deduct	*-2.81*	
		For 7 Gauge, Add	*4.21*	
		For 6 Gauge, Add	*9.83*	
		For 1/2" Mesh Fabric, Deduct	*-1.76*	
		For 5/8" Mesh Fabric, Deduct	*-3.86*	
		For 3/4" Mesh Fabric, Deduct	*-5.62*	
32 31 13 13-0259	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	48.69	1.81
		For 11 Gauge, Deduct	*-8.77*	
		For 10 Gauge, Deduct	*-3.51*	
		For 7 Gauge, Add	*5.26*	
		For 6 Gauge, Add	*12.28*	
		For 1/2" Mesh Fabric, Deduct	*-2.19*	
		For 5/8" Mesh Fabric, Deduct	*-4.83*	
		For 3/4" Mesh Fabric, Deduct	*-7.02*	
32 31 13 13-0260	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	57.80	2.11
		For 11 Gauge, Deduct	*-10.53*	
		For 10 Gauge, Deduct	*-4.21*	
		For 7 Gauge, Add	*6.32*	
		For 6 Gauge, Add	*14.74*	
		For 1/2" Mesh Fabric, Deduct	*-2.63*	
		For 5/8" Mesh Fabric, Deduct	*-5.79*	
		For 3/4" Mesh Fabric, Deduct	*-8.42*	
32 31 13 13-0261	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	66.98	2.42
		For 11 Gauge, Deduct	*-12.28*	
		For 10 Gauge, Deduct	*-4.91*	
		For 7 Gauge, Add	*7.37*	
		For 6 Gauge, Add	*17.19*	
		For 1/2" Mesh Fabric, Deduct	*-3.07*	
		For 5/8" Mesh Fabric, Deduct	*-6.76*	
		For 3/4" Mesh Fabric, Deduct	*-9.83*	
32 31 13 13-0262	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	76.23	3.01
		For 11 Gauge, Deduct	*-14.04*	
		For 10 Gauge, Deduct	*-5.62*	
		For 7 Gauge, Add	*8.42*	
		For 6 Gauge, Add	*19.65*	
		For 1/2" Mesh Fabric, Deduct	*-3.51*	
		For 5/8" Mesh Fabric, Deduct	*-7.72*	
		For 3/4" Mesh Fabric, Deduct	*-11.23*	
32 31 13 13-0263	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	84.47	3.17
		For 11 Gauge, Deduct	*-15.63*	
		For 10 Gauge, Deduct	*-6.25*	
		For 7 Gauge, Add	*9.38*	
		For 6 Gauge, Add	*21.88*	
		For 1/2" Mesh Fabric, Deduct	*-3.91*	
		For 5/8" Mesh Fabric, Deduct	*-8.59*	
		For 3/4" Mesh Fabric, Deduct	*-12.50*	
32 31 13 13-0264	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	92.72	3.32
		For 11 Gauge, Deduct	*-17.21*	
		For 10 Gauge, Deduct	*-6.88*	
		For 7 Gauge, Add	*10.33*	
		For 6 Gauge, Add	*24.10*	
		For 1/2" Mesh Fabric, Deduct	*-4.30*	
		For 5/8" Mesh Fabric, Deduct	*-9.47*	
		For 3/4" Mesh Fabric, Deduct	*-13.77*	
32 31 13 13-0265	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	100.54	3.62
		For 11 Gauge, Deduct	*-18.66*	
		For 10 Gauge, Deduct	*-7.46*	
		For 7 Gauge, Add	*11.20*	
		For 6 Gauge, Add	*26.12*	
		For 1/2" Mesh Fabric, Deduct	*-4.67*	
		For 5/8" Mesh Fabric, Deduct	*-10.26*	
		For 3/4" Mesh Fabric, Deduct	*-14.93*	

32 31 13 13-0266 **Gates** *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0267		**Galvanized Steel Without Barbed Wire** *(32 31 13 13-0266)* Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0268		**4' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0269	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	320.93	13.40
		For Gate With Single Barb Wire Arm, Add	*30.70*	
		For Gate With Double Barb Wire Arm, Add	*44.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.32*	
		For Aluminized Steel Gate And Post, Add	*133.95*	
		For Powder Coated Gate And Post, Add	*72.56*	
		For 1" Mesh Fabric, Add	*121.39*	
		For 1-1/4" Mesh Fabric, Add	*78.14*	
		For 1-3/4" Mesh Fabric, Add	*48.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.28*	
32 31 13 13-0270	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	413.95	13.96
		For Gate With Single Barb Wire Arm, Add	*40.93*	
		For Gate With Double Barb Wire Arm, Add	*59.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.77*	
		For Aluminized Steel Gate And Post, Add	*178.60*	
		For Powder Coated Gate And Post, Add	*96.74*	
		For 1" Mesh Fabric, Add	*161.85*	
		For 1-1/4" Mesh Fabric, Add	*104.18*	
		For 1-3/4" Mesh Fabric, Add	*64.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.37*	
32 31 13 13-0271	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	493.87	14.85
		For Gate With Single Barb Wire Arm, Add	*49.41*	
		For Gate With Double Barb Wire Arm, Add	*71.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.23*	
		For Aluminized Steel Gate And Post, Add	*215.62*	
		For Powder Coated Gate And Post, Add	*116.79*	
		For 1" Mesh Fabric, Add	*195.41*	
		For 1-1/4" Mesh Fabric, Add	*125.78*	
		For 1-3/4" Mesh Fabric, Add	*78.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.08*	
32 31 13 13-0272	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	579.95	17.87
		For Gate With Single Barb Wire Arm, Add	*57.90*	
		For Gate With Double Barb Wire Arm, Add	*84.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.69*	
		For Aluminized Steel Gate And Post, Add	*252.65*	
		For Powder Coated Gate And Post, Add	*136.85*	
		For 1" Mesh Fabric, Add	*228.96*	
		For 1-1/4" Mesh Fabric, Add	*147.38*	
		For 1-3/4" Mesh Fabric, Add	*91.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.79*	
32 31 13 13-0273	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	666.02	20.83
		For Gate With Single Barb Wire Arm, Add	*66.38*	
		For Gate With Double Barb Wire Arm, Add	*96.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.15*	
		For Aluminized Steel Gate And Post, Add	*289.68*	
		For Powder Coated Gate And Post, Add	*156.91*	
		For 1" Mesh Fabric, Add	*262.52*	
		For 1-1/4" Mesh Fabric, Add	*168.98*	
		For 1-3/4" Mesh Fabric, Add	*105.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.50*	
32 31 13 13-0274	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	755.26	23.78
		For Gate With Single Barb Wire Arm, Add	*75.22*	
		For Gate With Double Barb Wire Arm, Add	*109.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.21*	
		For Aluminized Steel Gate And Post, Add	*328.22*	
		For Powder Coated Gate And Post, Add	*177.79*	
		For 1" Mesh Fabric, Add	*297.45*	
		For 1-1/4" Mesh Fabric, Add	*191.46*	
		For 1-3/4" Mesh Fabric, Add	*118.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.49*	
32 31 13 13-0275	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	841.32	26.79
		For Gate With Single Barb Wire Arm, Add	*83.70*	
		For Gate With Double Barb Wire Arm, Add	*121.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.68*	
		For Aluminized Steel Gate And Post, Add	*365.25*	
		For Powder Coated Gate And Post, Add	*197.84*	
		For 1" Mesh Fabric, Add	*331.01*	
		For 1-1/4" Mesh Fabric, Add	*213.06*	
		For 1-3/4" Mesh Fabric, Add	*132.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.20*	
32 31 13 13-0276	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	928.76	29.75
		For Gate With Single Barb Wire Arm, Add	*92.34*	
		For Gate With Double Barb Wire Arm, Add	*134.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-157.40*	
		For Aluminized Steel Gate And Post, Add	*402.93*	
		For Powder Coated Gate And Post, Add	*218.25*	
		For 1" Mesh Fabric, Add	*365.16*	
		For 1-1/4" Mesh Fabric, Add	*235.04*	
		For 1-3/4" Mesh Fabric, Add	*146.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0277	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,205.54	29.75
		For Gate With Single Barb Wire Arm, Add	*122.78*	
		For Gate With Double Barb Wire Arm, Add	*178.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.29*	
		For Aluminized Steel Gate And Post, Add	*535.79*	
		For Powder Coated Gate And Post, Add	*290.22*	
		For 1" Mesh Fabric, Add	*485.56*	
		For 1-1/4" Mesh Fabric, Add	*312.54*	
		For 1-3/4" Mesh Fabric, Add	*194.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.11*	
32 31 13 13-0278	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,435.18	31.88
		For Gate With Single Barb Wire Arm, Add	*147.34*	
		For Gate With Double Barb Wire Arm, Add	*214.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.15*	
		For Aluminized Steel Gate And Post, Add	*642.95*	
		For Powder Coated Gate And Post, Add	*348.26*	
		For 1" Mesh Fabric, Add	*582.67*	
		For 1-1/4" Mesh Fabric, Add	*375.05*	
		For 1-3/4" Mesh Fabric, Add	*233.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.53*	
32 31 13 13-0279	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,665.79	34.33
		For Gate With Single Barb Wire Arm, Add	*171.90*	
		For Gate With Double Barb Wire Arm, Add	*250.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.01*	
		For Aluminized Steel Gate And Post, Add	*750.11*	
		For Powder Coated Gate And Post, Add	*406.31*	
		For 1" Mesh Fabric, Add	*679.78*	
		For 1-1/4" Mesh Fabric, Add	*437.56*	
		For 1-3/4" Mesh Fabric, Add	*271.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.96*	
32 31 13 13-0280	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,897.61	37.18
		For Gate With Single Barb Wire Arm, Add	*196.46*	
		For Gate With Double Barb Wire Arm, Add	*285.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.87*	
		For Aluminized Steel Gate And Post, Add	*857.26*	
		For Powder Coated Gate And Post, Add	*464.35*	
		For 1" Mesh Fabric, Add	*776.89*	
		For 1-1/4" Mesh Fabric, Add	*500.07*	
		For 1-3/4" Mesh Fabric, Add	*310.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.38*	
32 31 13 13-0281	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,154.73	48.43
		For Gate With Single Barb Wire Arm, Add	*221.01*	
		For Gate With Double Barb Wire Arm, Add	*321.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-376.73*	
		For Aluminized Steel Gate And Post, Add	*964.42*	
		For Powder Coated Gate And Post, Add	*522.39*	
		For 1" Mesh Fabric, Add	*874.00*	
		For 1-1/4" Mesh Fabric, Add	*562.58*	
		For 1-3/4" Mesh Fabric, Add	*349.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.80*	
32 31 13 13-0282	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,388.37	51.91
		For Gate With Single Barb Wire Arm, Add	*245.57*	
		For Gate With Double Barb Wire Arm, Add	*357.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.58*	
		For Aluminized Steel Gate And Post, Add	*1,071.58*	
		For Powder Coated Gate And Post, Add	*580.44*	
		For 1" Mesh Fabric, Add	*971.12*	
		For 1-1/4" Mesh Fabric, Add	*625.09*	
		For 1-3/4" Mesh Fabric, Add	*388.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.22*	
32 31 13 13-0283	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,618.16	55.93
		For Gate With Single Barb Wire Arm, Add	*269.53*	
		For Gate With Double Barb Wire Arm, Add	*392.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.12*	
		For Powder Coated Gate And Post, Add	*637.07*	
		For 1" Mesh Fabric, Add	*1,065.86*	
		For 1-1/4" Mesh Fabric, Add	*686.07*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	
32 31 13 13-0284	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,849.96	60.58
		For Gate With Single Barb Wire Arm, Add	*293.49*	
		For Gate With Double Barb Wire Arm, Add	*426.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.26*	
		For Aluminized Steel Gate And Post, Add	*1,280.66*	
		For Powder Coated Gate And Post, Add	*693.69*	
		For 1" Mesh Fabric, Add	*1,160.60*	
		For 1-1/4" Mesh Fabric, Add	*747.05*	
		For 1-3/4" Mesh Fabric, Add	*464.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
32 31 13 13-0285	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,084.29	66.10
		For Gate With Single Barb Wire Arm, Add	*317.44*	
		For Gate With Double Barb Wire Arm, Add	*461.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-541.10*	
		For Aluminized Steel Gate And Post, Add	*1,385.21*	
		For Powder Coated Gate And Post, Add	*750.32*	
		For 1" Mesh Fabric, Add	*1,255.34*	
		For 1-1/4" Mesh Fabric, Add	*808.04*	
		For 1-3/4" Mesh Fabric, Add	*502.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-251.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0286	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,240.27	72.72
		For Gate With Single Barb Wire Arm, Add	*332.42*	
		For Gate With Double Barb Wire Arm, Add	*483.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-566.62*	
		For Aluminized Steel Gate And Post, Add	*1,450.55*	
		For Powder Coated Gate And Post, Add	*785.71*	
		For 1" Mesh Fabric, Add	*1,314.56*	
		For 1-1/4" Mesh Fabric, Add	*846.15*	
		For 1-3/4" Mesh Fabric, Add	*525.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.91*	
32 31 13 13-0287	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,591.22	80.76
		For Gate With Single Barb Wire Arm, Add	*368.35*	
		For Gate With Double Barb Wire Arm, Add	*535.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.88*	
		For Aluminized Steel Gate And Post, Add	*1,607.37*	
		For Powder Coated Gate And Post, Add	*870.66*	
		For 1" Mesh Fabric, Add	*1,456.68*	
		For 1-1/4" Mesh Fabric, Add	*937.63*	
		For 1-3/4" Mesh Fabric, Add	*582.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.34*	
32 31 13 13-0288		**5' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0289	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	389.51	14.85
		For Gate With Single Barb Wire Arm, Add	*37.93*	
		For Gate With Double Barb Wire Arm, Add	*55.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.66*	
		For Aluminized Steel Gate And Post, Add	*165.53*	
		For Powder Coated Gate And Post, Add	*89.66*	
		For 1" Mesh Fabric, Add	*150.01*	
		For 1-1/4" Mesh Fabric, Add	*96.56*	
		For 1-3/4" Mesh Fabric, Add	*60.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.00*	
32 31 13 13-0290	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	502.95	14.85
		For Gate With Single Barb Wire Arm, Add	*50.41*	
		For Gate With Double Barb Wire Arm, Add	*73.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.93*	
		For Aluminized Steel Gate And Post, Add	*219.98*	
		For Powder Coated Gate And Post, Add	*119.16*	
		For 1" Mesh Fabric, Add	*199.36*	
		For 1-1/4" Mesh Fabric, Add	*128.32*	
		For 1-3/4" Mesh Fabric, Add	*79.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.87*	
32 31 13 13-0291	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	591.96	15.79
		For Gate With Single Barb Wire Arm, Add	*59.90*	
		For Gate With Double Barb Wire Arm, Add	*87.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.09*	
		For Aluminized Steel Gate And Post, Add	*261.36*	
		For Powder Coated Gate And Post, Add	*141.57*	
		For 1" Mesh Fabric, Add	*236.86*	
		For 1-1/4" Mesh Fabric, Add	*152.46*	
		For 1-3/4" Mesh Fabric, Add	*94.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.37*	
32 31 13 13-0292	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	692.20	18.98
		For Gate With Single Barb Wire Arm, Add	*69.88*	
		For Gate With Double Barb Wire Arm, Add	*101.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-119.11*	
		For Aluminized Steel Gate And Post, Add	*304.92*	
		For Powder Coated Gate And Post, Add	*165.17*	
		For 1" Mesh Fabric, Add	*276.33*	
		For 1-1/4" Mesh Fabric, Add	*177.87*	
		For 1-3/4" Mesh Fabric, Add	*110.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.27*	
32 31 13 13-0293	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	783.36	22.10
		For Gate With Single Barb Wire Arm, Add	*78.86*	
		For Gate With Double Barb Wire Arm, Add	*114.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.42*	
		For Aluminized Steel Gate And Post, Add	*344.12*	
		For Powder Coated Gate And Post, Add	*186.40*	
		For 1" Mesh Fabric, Add	*311.86*	
		For 1-1/4" Mesh Fabric, Add	*200.74*	
		For 1-3/4" Mesh Fabric, Add	*124.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.37*	
32 31 13 13-0294	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	884.17	25.45
		For Gate With Single Barb Wire Arm, Add	*88.84*	
		For Gate With Double Barb Wire Arm, Add	*129.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.44*	
		For Aluminized Steel Gate And Post, Add	*387.69*	
		For Powder Coated Gate And Post, Add	*210.00*	
		For 1" Mesh Fabric, Add	*351.34*	
		For 1-1/4" Mesh Fabric, Add	*226.15*	
		For 1-3/4" Mesh Fabric, Add	*140.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0295	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	979.86	28.64
		For Gate With Single Barb Wire Arm, Add	*98.33*	
		For Gate With Double Barb Wire Arm, Add	*143.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.60*	
		For Aluminized Steel Gate And Post, Add	*429.07*	
		For Powder Coated Gate And Post, Add	*232.41*	
		For 1" Mesh Fabric, Add	*388.84*	
		For 1-1/4" Mesh Fabric, Add	*250.29*	
		For 1-3/4" Mesh Fabric, Add	*155.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.77*	
32 31 13 13-0296	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,075.57	31.76
		For Gate With Single Barb Wire Arm, Add	*107.81*	
		For Gate With Double Barb Wire Arm, Add	*156.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.77*	
		For Aluminized Steel Gate And Post, Add	*470.45*	
		For Powder Coated Gate And Post, Add	*254.83*	
		For 1" Mesh Fabric, Add	*426.34*	
		For 1-1/4" Mesh Fabric, Add	*274.43*	
		For 1-3/4" Mesh Fabric, Add	*170.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.27*	
32 31 13 13-0297	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,478.74	31.88
		For Gate With Single Barb Wire Arm, Add	*152.13*	
		For Gate With Double Barb Wire Arm, Add	*221.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-259.32*	
		For Aluminized Steel Gate And Post, Add	*663.85*	
		For Powder Coated Gate And Post, Add	*359.59*	
		For 1" Mesh Fabric, Add	*601.62*	
		For 1-1/4" Mesh Fabric, Add	*387.25*	
		For 1-3/4" Mesh Fabric, Add	*240.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.32*	
32 31 13 13-0298	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,763.79	34.33
		For Gate With Single Barb Wire Arm, Add	*182.68*	
		For Gate With Double Barb Wire Arm, Add	*265.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-311.39*	
		For Aluminized Steel Gate And Post, Add	*797.15*	
		For Powder Coated Gate And Post, Add	*431.79*	
		For 1" Mesh Fabric, Add	*722.41*	
		For 1-1/4" Mesh Fabric, Add	*465.00*	
		For 1-3/4" Mesh Fabric, Add	*288.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.48*	
32 31 13 13-0299	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,050.07	37.18
		For Gate With Single Barb Wire Arm, Add	*213.23*	
		For Gate With Double Barb Wire Arm, Add	*310.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-363.45*	
		For Aluminized Steel Gate And Post, Add	*930.44*	
		For Powder Coated Gate And Post, Add	*503.99*	
		For 1" Mesh Fabric, Add	*843.21*	
		For 1-1/4" Mesh Fabric, Add	*542.76*	
		For 1-3/4" Mesh Fabric, Add	*337.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.64*	
32 31 13 13-0300	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,361.65	48.43
		For Gate With Single Barb Wire Arm, Add	*243.77*	
		For Gate With Double Barb Wire Arm, Add	*354.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-415.52*	
		For Aluminized Steel Gate And Post, Add	*1,063.74*	
		For Powder Coated Gate And Post, Add	*576.19*	
		For 1" Mesh Fabric, Add	*964.01*	
		For 1-1/4" Mesh Fabric, Add	*620.51*	
		For 1-3/4" Mesh Fabric, Add	*385.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-192.80*	
32 31 13 13-0301	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,644.28	51.91
		For Gate With Single Barb Wire Arm, Add	*273.72*	
		For Gate With Double Barb Wire Arm, Add	*398.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-466.57*	
		For Aluminized Steel Gate And Post, Add	*1,194.41*	
		For Powder Coated Gate And Post, Add	*646.97*	
		For 1" Mesh Fabric, Add	*1,082.44*	
		For 1-1/4" Mesh Fabric, Add	*696.74*	
		For 1-3/4" Mesh Fabric, Add	*432.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.49*	
32 31 13 13-0302	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,939.41	55.93
		For Gate With Single Barb Wire Arm, Add	*304.87*	
		For Gate With Double Barb Wire Arm, Add	*443.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.66*	
		For Aluminized Steel Gate And Post, Add	*1,330.32*	
		For Powder Coated Gate And Post, Add	*720.59*	
		For 1" Mesh Fabric, Add	*1,205.60*	
		For 1-1/4" Mesh Fabric, Add	*776.02*	
		For 1-3/4" Mesh Fabric, Add	*482.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-241.12*	
32 31 13 13-0303	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,231.11	60.58
		For Gate With Single Barb Wire Arm, Add	*335.41*	
		For Gate With Double Barb Wire Arm, Add	*487.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-571.73*	
		For Aluminized Steel Gate And Post, Add	*1,463.62*	
		For Powder Coated Gate And Post, Add	*792.79*	
		For 1" Mesh Fabric, Add	*1,326.40*	
		For 1-1/4" Mesh Fabric, Add	*853.78*	
		For 1-3/4" Mesh Fabric, Add	*530.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0304	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,519.89	66.10
		For Gate With Single Barb Wire Arm, Add	*365.36*	
		For Gate With Double Barb Wire Arm, Add	*531.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-622.77*	
		For Aluminized Steel Gate And Post, Add	*1,594.30*	
		For Powder Coated Gate And Post, Add	*863.58*	
		For 1" Mesh Fabric, Add	*1,444.83*	
		For 1-1/4" Mesh Fabric, Add	*930.01*	
		For 1-3/4" Mesh Fabric, Add	*577.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.97*	
32 31 13 13-0305	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,822.88	72.72
		For Gate With Single Barb Wire Arm, Add	*396.50*	
		For Gate With Double Barb Wire Arm, Add	*576.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-675.86*	
		For Aluminized Steel Gate And Post, Add	*1,730.20*	
		For Powder Coated Gate And Post, Add	*937.19*	
		For 1" Mesh Fabric, Add	*1,568.00*	
		For 1-1/4" Mesh Fabric, Add	*1,009.29*	
		For 1-3/4" Mesh Fabric, Add	*627.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-313.60*	
32 31 13 13-0306	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,121.39	80.76
		For Gate With Single Barb Wire Arm, Add	*426.67*	
		For Gate With Double Barb Wire Arm, Add	*620.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-727.28*	
		For Aluminized Steel Gate And Post, Add	*1,861.85*	
		For Powder Coated Gate And Post, Add	*1,008.50*	
		For 1" Mesh Fabric, Add	*1,687.30*	
		For 1-1/4" Mesh Fabric, Add	*1,086.08*	
		For 1-3/4" Mesh Fabric, Add	*674.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.46*	
32 31 13 13-0307	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,421.95	90.86
		For Gate With Single Barb Wire Arm, Add	*456.40*	
		For Gate With Double Barb Wire Arm, Add	*663.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-777.95*	
		For Aluminized Steel Gate And Post, Add	*1,991.56*	
		For Powder Coated Gate And Post, Add	*1,078.76*	
		For 1" Mesh Fabric, Add	*1,804.85*	
		For 1-1/4" Mesh Fabric, Add	*1,161.75*	
		For 1-3/4" Mesh Fabric, Add	*721.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.97*	

32 31 13 13-0308 6' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0309	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	417.66	15.91
		For Gate With Single Barb Wire Arm, Add	*40.68*	
		For Gate With Double Barb Wire Arm, Add	*59.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.34*	
		For Aluminized Steel Gate And Post, Add	*177.51*	
		For Powder Coated Gate And Post, Add	*96.15*	
		For 1" Mesh Fabric, Add	*160.87*	
		For 1-1/4" Mesh Fabric, Add	*103.55*	
		For 1-3/4" Mesh Fabric, Add	*64.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.17*	
32 31 13 13-0310	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	540.17	15.91
		For Gate With Single Barb Wire Arm, Add	*54.16*	
		For Gate With Double Barb Wire Arm, Add	*78.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.31*	
		For Aluminized Steel Gate And Post, Add	*236.31*	
		For Powder Coated Gate And Post, Add	*128.00*	
		For 1" Mesh Fabric, Add	*214.16*	
		For 1-1/4" Mesh Fabric, Add	*137.85*	
		For 1-3/4" Mesh Fabric, Add	*85.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.83*	
32 31 13 13-0311	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	636.83	16.92
		For Gate With Single Barb Wire Arm, Add	*64.46*	
		For Gate With Double Barb Wire Arm, Add	*93.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.88*	
		For Aluminized Steel Gate And Post, Add	*281.29*	
		For Powder Coated Gate And Post, Add	*152.37*	
		For 1" Mesh Fabric, Add	*254.92*	
		For 1-1/4" Mesh Fabric, Add	*164.09*	
		For 1-3/4" Mesh Fabric, Add	*101.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.98*	
32 31 13 13-0312	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	737.49	20.43
		For Gate With Single Barb Wire Arm, Add	*74.37*	
		For Gate With Double Barb Wire Arm, Add	*108.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.77*	
		For Aluminized Steel Gate And Post, Add	*324.52*	
		For Powder Coated Gate And Post, Add	*175.78*	
		For 1" Mesh Fabric, Add	*294.10*	
		For 1-1/4" Mesh Fabric, Add	*189.31*	
		For 1-3/4" Mesh Fabric, Add	*117.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0313	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	843.39	24.00
		For Gate With Single Barb Wire Arm, Add	*84.85*	
		For Gate With Double Barb Wire Arm, Add	*123.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.63*	
		For Aluminized Steel Gate And Post, Add	*370.26*	
		For Powder Coated Gate And Post, Add	*200.56*	
		For 1" Mesh Fabric, Add	*335.55*	
		For 1-1/4" Mesh Fabric, Add	*215.99*	
		For 1-3/4" Mesh Fabric, Add	*134.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.11*	
32 31 13 13-0314	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	944.18	27.35
		For Gate With Single Barb Wire Arm, Add	*94.83*	
		For Gate With Double Barb Wire Arm, Add	*137.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.65*	
		For Aluminized Steel Gate And Post, Add	*413.82*	
		For Powder Coated Gate And Post, Add	*224.15*	
		For 1" Mesh Fabric, Add	*375.02*	
		For 1-1/4" Mesh Fabric, Add	*241.39*	
		For 1-3/4" Mesh Fabric, Add	*150.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.00*	
32 31 13 13-0315	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,045.55	30.87
		For Gate With Single Barb Wire Arm, Add	*104.82*	
		For Gate With Double Barb Wire Arm, Add	*152.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-178.67*	
		For Aluminized Steel Gate And Post, Add	*457.38*	
		For Powder Coated Gate And Post, Add	*247.75*	
		For 1" Mesh Fabric, Add	*414.50*	
		For 1-1/4" Mesh Fabric, Add	*266.81*	
		For 1-3/4" Mesh Fabric, Add	*165.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.90*	
32 31 13 13-0316	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,106.06	34.39
		For Gate With Single Barb Wire Arm, Add	*110.31*	
		For Gate With Double Barb Wire Arm, Add	*160.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.02*	
		For Aluminized Steel Gate And Post, Add	*481.34*	
		For Powder Coated Gate And Post, Add	*260.73*	
		For 1" Mesh Fabric, Add	*436.21*	
		For 1-1/4" Mesh Fabric, Add	*280.78*	
		For 1-3/4" Mesh Fabric, Add	*174.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.24*	
32 31 13 13-0317	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,578.67	34.33
		For Gate With Single Barb Wire Arm, Add	*162.32*	
		For Gate With Double Barb Wire Arm, Add	*236.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-276.68*	
		For Aluminized Steel Gate And Post, Add	*708.29*	
		For Powder Coated Gate And Post, Add	*383.66*	
		For 1" Mesh Fabric, Add	*641.89*	
		For 1-1/4" Mesh Fabric, Add	*413.17*	
		For 1-3/4" Mesh Fabric, Add	*256.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.38*	
32 31 13 13-0318	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,881.27	37.18
		For Gate With Single Barb Wire Arm, Add	*194.66*	
		For Gate With Double Barb Wire Arm, Add	*283.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.80*	
		For Aluminized Steel Gate And Post, Add	*849.42*	
		For Powder Coated Gate And Post, Add	*460.10*	
		For 1" Mesh Fabric, Add	*769.78*	
		For 1-1/4" Mesh Fabric, Add	*495.49*	
		For 1-3/4" Mesh Fabric, Add	*307.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.96*	
32 31 13 13-0319	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,225.02	51.91
		For Gate With Single Barb Wire Arm, Add	*227.60*	
		For Gate With Double Barb Wire Arm, Add	*331.06*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.96*	
		For Aluminized Steel Gate And Post, Add	*993.17*	
		For Powder Coated Gate And Post, Add	*537.97*	
		For 1" Mesh Fabric, Add	*900.06*	
		For 1-1/4" Mesh Fabric, Add	*579.35*	
		For 1-3/4" Mesh Fabric, Add	*360.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.01*	
32 31 13 13-0320	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,531.04	55.93
		For Gate With Single Barb Wire Arm, Add	*259.94*	
		For Gate With Double Barb Wire Arm, Add	*378.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-443.09*	
		For Aluminized Steel Gate And Post, Add	*1,134.30*	
		For Powder Coated Gate And Post, Add	*614.41*	
		For 1" Mesh Fabric, Add	*1,027.96*	
		For 1-1/4" Mesh Fabric, Add	*661.68*	
		For 1-3/4" Mesh Fabric, Add	*411.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-205.59*	
32 31 13 13-0321	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,844.51	60.58
		For Gate With Single Barb Wire Arm, Add	*292.89*	
		For Gate With Double Barb Wire Arm, Add	*426.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-499.24*	
		For Aluminized Steel Gate And Post, Add	*1,278.05*	
		For Powder Coated Gate And Post, Add	*692.28*	
		For 1" Mesh Fabric, Add	*1,158.23*	
		For 1-1/4" Mesh Fabric, Add	*745.53*	
		For 1-3/4" Mesh Fabric, Add	*463.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-231.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0322	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,160.52	66.10
		For Gate With Single Barb Wire Arm, Add	*325.83*	
		For Gate With Double Barb Wire Arm, Add	*473.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-555.39*	
		For Aluminized Steel Gate And Post, Add	*1,421.80*	
		For Powder Coated Gate And Post, Add	*770.14*	
		For 1" Mesh Fabric, Add	*1,288.50*	
		For 1-1/4" Mesh Fabric, Add	*829.38*	
		For 1-3/4" Mesh Fabric, Add	*515.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.70*	
32 31 13 13-0323	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,474.40	72.72
		For Gate With Single Barb Wire Arm, Add	*358.17*	
		For Gate With Double Barb Wire Arm, Add	*520.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-610.52*	
		For Aluminized Steel Gate And Post, Add	*1,562.93*	
		For Powder Coated Gate And Post, Add	*846.59*	
		For 1" Mesh Fabric, Add	*1,416.41*	
		For 1-1/4" Mesh Fabric, Add	*911.71*	
		For 1-3/4" Mesh Fabric, Add	*566.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.28*	
32 31 13 13-0324	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,795.40	80.76
		For Gate With Single Barb Wire Arm, Add	*390.81*	
		For Gate With Double Barb Wire Arm, Add	*568.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-666.16*	
		For Aluminized Steel Gate And Post, Add	*1,705.37*	
		For Powder Coated Gate And Post, Add	*923.74*	
		For 1" Mesh Fabric, Add	*1,545.49*	
		For 1-1/4" Mesh Fabric, Add	*994.80*	
		For 1-3/4" Mesh Fabric, Add	*618.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-309.10*	
32 31 13 13-0325	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,119.21	90.86
		For Gate With Single Barb Wire Arm, Add	*423.10*	
		For Gate With Double Barb Wire Arm, Add	*615.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-721.19*	
		For Aluminized Steel Gate And Post, Add	*1,846.25*	
		For Powder Coated Gate And Post, Add	*1,000.05*	
		For 1" Mesh Fabric, Add	*1,673.16*	
		For 1-1/4" Mesh Fabric, Add	*1,076.98*	
		For 1-3/4" Mesh Fabric, Add	*669.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-334.63*	
32 31 13 13-0326	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,455.48	103.83
		For Gate With Single Barb Wire Arm, Add	*455.80*	
		For Gate With Double Barb Wire Arm, Add	*662.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-776.93*	
		For Aluminized Steel Gate And Post, Add	*1,988.95*	
		For Powder Coated Gate And Post, Add	*1,077.35*	
		For 1" Mesh Fabric, Add	*1,802.48*	
		For 1-1/4" Mesh Fabric, Add	*1,160.22*	
		For 1-3/4" Mesh Fabric, Add	*720.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.50*	
32 31 13 13-0327	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,805.30	121.15
		For Gate With Single Barb Wire Arm, Add	*488.56*	
		For Gate With Double Barb Wire Arm, Add	*710.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-832.78*	
		For Aluminized Steel Gate And Post, Add	*2,131.92*	
		For Powder Coated Gate And Post, Add	*1,154.79*	
		For 1" Mesh Fabric, Add	*1,932.05*	
		For 1-1/4" Mesh Fabric, Add	*1,243.62*	
		For 1-3/4" Mesh Fabric, Add	*772.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.41*	

32 31 13 13-0328 7' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0329	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	437.22	17.13
		For Gate With Single Barb Wire Arm, Add	*42.43*	
		For Gate With Double Barb Wire Arm, Add	*61.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.32*	
		For Aluminized Steel Gate And Post, Add	*185.13*	
		For Powder Coated Gate And Post, Add	*100.28*	
		For 1" Mesh Fabric, Add	*167.78*	
		For 1-1/4" Mesh Fabric, Add	*107.99*	
		For 1-3/4" Mesh Fabric, Add	*67.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.56*	
32 31 13 13-0330	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	564.27	17.13
		For Gate With Single Barb Wire Arm, Add	*56.40*	
		For Gate With Double Barb Wire Arm, Add	*82.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.14*	
		For Aluminized Steel Gate And Post, Add	*246.12*	
		For Powder Coated Gate And Post, Add	*133.31*	
		For 1" Mesh Fabric, Add	*223.04*	
		For 1-1/4" Mesh Fabric, Add	*143.57*	
		For 1-3/4" Mesh Fabric, Add	*89.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0331	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	669.81	18.03
		For Gate With Single Barb Wire Arm, Add	*67.72*	
		For Gate With Double Barb Wire Arm, Add	*98.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.43*	
		For Aluminized Steel Gate And Post, Add	*295.51*	
		For Powder Coated Gate And Post, Add	*160.07*	
		For 1" Mesh Fabric, Add	*267.81*	
		For 1-1/4" Mesh Fabric, Add	*172.38*	
		For 1-3/4" Mesh Fabric, Add	*107.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.56*	
32 31 13 13-0332	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	821.28	21.94
		For Gate With Single Barb Wire Arm, Add	*83.09*	
		For Gate With Double Barb Wire Arm, Add	*120.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.64*	
		For Aluminized Steel Gate And Post, Add	*362.59*	
		For Powder Coated Gate And Post, Add	*196.40*	
		For 1" Mesh Fabric, Add	*328.60*	
		For 1-1/4" Mesh Fabric, Add	*211.51*	
		For 1-3/4" Mesh Fabric, Add	*131.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.72*	
32 31 13 13-0333	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	972.23	25.68
		For Gate With Single Barb Wire Arm, Add	*98.47*	
		For Gate With Double Barb Wire Arm, Add	*143.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.85*	
		For Aluminized Steel Gate And Post, Add	*429.70*	
		For Powder Coated Gate And Post, Add	*232.75*	
		For 1" Mesh Fabric, Add	*389.41*	
		For 1-1/4" Mesh Fabric, Add	*250.66*	
		For 1-3/4" Mesh Fabric, Add	*155.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.88*	
32 31 13 13-0334	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,123.73	29.54
		For Gate With Single Barb Wire Arm, Add	*113.85*	
		For Gate With Double Barb Wire Arm, Add	*165.59*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.06*	
		For Aluminized Steel Gate And Post, Add	*496.78*	
		For Powder Coated Gate And Post, Add	*269.09*	
		For 1" Mesh Fabric, Add	*450.21*	
		For 1-1/4" Mesh Fabric, Add	*289.79*	
		For 1-3/4" Mesh Fabric, Add	*180.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.04*	
32 31 13 13-0335	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,274.69	33.27
		For Gate With Single Barb Wire Arm, Add	*129.22*	
		For Gate With Double Barb Wire Arm, Add	*187.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-220.27*	
		For Aluminized Steel Gate And Post, Add	*563.88*	
		For Powder Coated Gate And Post, Add	*305.44*	
		For 1" Mesh Fabric, Add	*511.02*	
		For 1-1/4" Mesh Fabric, Add	*328.93*	
		For 1-3/4" Mesh Fabric, Add	*204.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.20*	
32 31 13 13-0336	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,400.98	37.18
		For Gate With Single Barb Wire Arm, Add	*141.83*	
		For Gate With Double Barb Wire Arm, Add	*206.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.75*	
		For Aluminized Steel Gate And Post, Add	*618.88*	
		For Powder Coated Gate And Post, Add	*335.23*	
		For 1" Mesh Fabric, Add	*560.86*	
		For 1-1/4" Mesh Fabric, Add	*361.01*	
		For 1-3/4" Mesh Fabric, Add	*224.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.17*	
32 31 13 13-0337	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,804.06	37.18
		For Gate With Single Barb Wire Arm, Add	*186.17*	
		For Gate With Double Barb Wire Arm, Add	*270.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.33*	
		For Aluminized Steel Gate And Post, Add	*812.36*	
		For Powder Coated Gate And Post, Add	*440.03*	
		For 1" Mesh Fabric, Add	*736.20*	
		For 1-1/4" Mesh Fabric, Add	*473.87*	
		For 1-3/4" Mesh Fabric, Add	*294.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-147.24*	
32 31 13 13-0338	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,037.74	51.91
		For Gate With Single Barb Wire Arm, Add	*207.00*	
		For Gate With Double Barb Wire Arm, Add	*301.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.84*	
		For Aluminized Steel Gate And Post, Add	*903.27*	
		For Powder Coated Gate And Post, Add	*489.27*	
		For 1" Mesh Fabric, Add	*818.59*	
		For 1-1/4" Mesh Fabric, Add	*526.91*	
		For 1-3/4" Mesh Fabric, Add	*327.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.72*	
32 31 13 13-0339	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,363.37	55.93
		For Gate With Single Barb Wire Arm, Add	*241.50*	
		For Gate With Double Barb Wire Arm, Add	*351.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-411.65*	
		For Aluminized Steel Gate And Post, Add	*1,053.82*	
		For Powder Coated Gate And Post, Add	*570.82*	
		For 1" Mesh Fabric, Add	*955.03*	
		For 1-1/4" Mesh Fabric, Add	*614.73*	
		For 1-3/4" Mesh Fabric, Add	*382.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-191.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0340	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,664.83	60.58
		For Gate With Single Barb Wire Arm, Add	*273.12*	
		For Gate With Double Barb Wire Arm, Add	*397.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.55*	
		For Aluminized Steel Gate And Post, Add	*1,191.80*	
		For Powder Coated Gate And Post, Add	*645.56*	
		For 1" Mesh Fabric, Add	*1,080.07*	
		For 1-1/4" Mesh Fabric, Add	*695.22*	
		For 1-3/4" Mesh Fabric, Add	*432.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.01*	
32 31 13 13-0341	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,997.17	66.10
		For Gate With Single Barb Wire Arm, Add	*307.86*	
		For Gate With Double Barb Wire Arm, Add	*447.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.76*	
		For Aluminized Steel Gate And Post, Add	*1,343.39*	
		For Powder Coated Gate And Post, Add	*727.67*	
		For 1" Mesh Fabric, Add	*1,217.45*	
		For 1-1/4" Mesh Fabric, Add	*783.64*	
		For 1-3/4" Mesh Fabric, Add	*486.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.49*	
32 31 13 13-0342	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,327.39	72.72
		For Gate With Single Barb Wire Arm, Add	*342.00*	
		For Gate With Double Barb Wire Arm, Add	*497.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-582.96*	
		For Aluminized Steel Gate And Post, Add	*1,492.37*	
		For Powder Coated Gate And Post, Add	*808.37*	
		For 1" Mesh Fabric, Add	*1,352.46*	
		For 1-1/4" Mesh Fabric, Add	*870.55*	
		For 1-3/4" Mesh Fabric, Add	*540.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.49*	
32 31 13 13-0343	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,662.00	80.76
		For Gate With Single Barb Wire Arm, Add	*376.14*	
		For Gate With Double Barb Wire Arm, Add	*547.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-641.15*	
		For Aluminized Steel Gate And Post, Add	*1,641.34*	
		For Powder Coated Gate And Post, Add	*889.06*	
		For 1" Mesh Fabric, Add	*1,487.47*	
		For 1-1/4" Mesh Fabric, Add	*957.45*	
		For 1-3/4" Mesh Fabric, Add	*594.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.49*	
32 31 13 13-0344	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,002.68	90.86
		For Gate With Single Barb Wire Arm, Add	*410.28*	
		For Gate With Double Barb Wire Arm, Add	*596.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-699.34*	
		For Aluminized Steel Gate And Post, Add	*1,790.31*	
		For Powder Coated Gate And Post, Add	*969.75*	
		For 1" Mesh Fabric, Add	*1,622.47*	
		For 1-1/4" Mesh Fabric, Add	*1,044.35*	
		For 1-3/4" Mesh Fabric, Add	*648.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.49*	
32 31 13 13-0345	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,352.03	103.83
		For Gate With Single Barb Wire Arm, Add	*444.42*	
		For Gate With Double Barb Wire Arm, Add	*646.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-757.54*	
		For Aluminized Steel Gate And Post, Add	*1,939.29*	
		For Powder Coated Gate And Post, Add	*1,050.45*	
		For 1" Mesh Fabric, Add	*1,757.48*	
		For 1-1/4" Mesh Fabric, Add	*1,131.25*	
		For 1-3/4" Mesh Fabric, Add	*702.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.50*	
32 31 13 13-0346	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,714.37	121.15
		For Gate With Single Barb Wire Arm, Add	*478.56*	
		For Gate With Double Barb Wire Arm, Add	*696.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.73*	
		For Aluminized Steel Gate And Post, Add	*2,088.27*	
		For Powder Coated Gate And Post, Add	*1,131.15*	
		For 1" Mesh Fabric, Add	*1,892.49*	
		For 1-1/4" Mesh Fabric, Add	*1,218.16*	
		For 1-3/4" Mesh Fabric, Add	*757.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.50*	
32 31 13 13-0347	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,097.49	145.36
		For Gate With Single Barb Wire Arm, Add	*512.70*	
		For Gate With Double Barb Wire Arm, Add	*745.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-873.92*	
		For Aluminized Steel Gate And Post, Add	*2,237.24*	
		For Powder Coated Gate And Post, Add	*1,211.84*	
		For 1" Mesh Fabric, Add	*2,027.50*	
		For 1-1/4" Mesh Fabric, Add	*1,305.06*	
		For 1-3/4" Mesh Fabric, Add	*811.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-405.50*	

32 31 13 13-0348 8' Fence Height *(32 31 13 13-0267)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0349	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	516.45	18.59
		For Gate With Single Barb Wire Arm, Add	*50.67*	
		For Gate With Double Barb Wire Arm, Add	*73.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.37*	
		For Aluminized Steel Gate And Post, Add	*221.10*	
		For Powder Coated Gate And Post, Add	*119.76*	
		For 1" Mesh Fabric, Add	*200.37*	
		For 1-1/4" Mesh Fabric, Add	*128.97*	
		For 1-3/4" Mesh Fabric, Add	*80.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.07*	
32 31 13 13-0350	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	670.00	18.59
		For Gate With Single Barb Wire Arm, Add	*67.56*	
		For Gate With Double Barb Wire Arm, Add	*98.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.16*	
		For Aluminized Steel Gate And Post, Add	*294.80*	
		For Powder Coated Gate And Post, Add	*159.68*	
		For 1" Mesh Fabric, Add	*267.16*	
		For 1-1/4" Mesh Fabric, Add	*171.97*	
		For 1-3/4" Mesh Fabric, Add	*106.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.43*	
32 31 13 13-0351	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	784.57	20.71
		For Gate With Single Barb Wire Arm, Add	*79.46*	
		For Gate With Double Barb Wire Arm, Add	*115.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.44*	
		For Aluminized Steel Gate And Post, Add	*346.71*	
		For Powder Coated Gate And Post, Add	*187.80*	
		For 1" Mesh Fabric, Add	*314.21*	
		For 1-1/4" Mesh Fabric, Add	*202.25*	
		For 1-3/4" Mesh Fabric, Add	*125.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.84*	
32 31 13 13-0352	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	900.84	23.44
		For Gate With Single Barb Wire Arm, Add	*91.36*	
		For Gate With Double Barb Wire Arm, Add	*132.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.72*	
		For Aluminized Steel Gate And Post, Add	*398.64*	
		For Powder Coated Gate And Post, Add	*215.93*	
		For 1" Mesh Fabric, Add	*361.27*	
		For 1-1/4" Mesh Fabric, Add	*232.54*	
		For 1-3/4" Mesh Fabric, Add	*144.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.25*	
32 31 13 13-0353	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,023.53	28.25
		For Gate With Single Barb Wire Arm, Add	*103.25*	
		For Gate With Double Barb Wire Arm, Add	*150.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.00*	
		For Aluminized Steel Gate And Post, Add	*450.56*	
		For Powder Coated Gate And Post, Add	*244.05*	
		For 1" Mesh Fabric, Add	*408.32*	
		For 1-1/4" Mesh Fabric, Add	*262.83*	
		For 1-3/4" Mesh Fabric, Add	*163.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.66*	
32 31 13 13-0354	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,145.67	32.88
		For Gate With Single Barb Wire Arm, Add	*115.15*	
		For Gate With Double Barb Wire Arm, Add	*167.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-196.28*	
		For Aluminized Steel Gate And Post, Add	*502.49*	
		For Powder Coated Gate And Post, Add	*272.18*	
		For 1" Mesh Fabric, Add	*455.38*	
		For 1-1/4" Mesh Fabric, Add	*293.12*	
		For 1-3/4" Mesh Fabric, Add	*182.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.08*	
32 31 13 13-0355	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,268.35	37.74
		For Gate With Single Barb Wire Arm, Add	*127.05*	
		For Gate With Double Barb Wire Arm, Add	*184.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-216.57*	
		For Aluminized Steel Gate And Post, Add	*554.41*	
		For Powder Coated Gate And Post, Add	*300.31*	
		For 1" Mesh Fabric, Add	*502.43*	
		For 1-1/4" Mesh Fabric, Add	*323.41*	
		For 1-3/4" Mesh Fabric, Add	*200.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-100.49*	
32 31 13 13-0356	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,391.03	42.60
		For Gate With Single Barb Wire Arm, Add	*138.95*	
		For Gate With Double Barb Wire Arm, Add	*202.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.85*	
		For Aluminized Steel Gate And Post, Add	*606.33*	
		For Powder Coated Gate And Post, Add	*328.43*	
		For 1" Mesh Fabric, Add	*549.49*	
		For 1-1/4" Mesh Fabric, Add	*353.69*	
		For 1-3/4" Mesh Fabric, Add	*219.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.90*	
32 31 13 13-0357	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,050.74	51.91
		For Gate With Single Barb Wire Arm, Add	*208.43*	
		For Gate With Double Barb Wire Arm, Add	*303.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.28*	
		For Aluminized Steel Gate And Post, Add	*909.51*	
		For Powder Coated Gate And Post, Add	*492.65*	
		For 1" Mesh Fabric, Add	*824.25*	
		For 1-1/4" Mesh Fabric, Add	*530.55*	
		For 1-3/4" Mesh Fabric, Add	*329.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-164.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0358	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,427.59	55.93
		For Gate With Single Barb Wire Arm, Add	*248.56*	
		For Gate With Double Barb Wire Arm, Add	*361.55*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-423.69*	
		For Aluminized Steel Gate And Post, Add	*1,084.65*	
		For Powder Coated Gate And Post, Add	*587.52*	
		For 1" Mesh Fabric, Add	*982.96*	
		For 1-1/4" Mesh Fabric, Add	*632.71*	
		For 1-3/4" Mesh Fabric, Add	*393.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.59*	
32 31 13 13-0359	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,811.85	60.58
		For Gate With Single Barb Wire Arm, Add	*289.29*	
		For Gate With Double Barb Wire Arm, Add	*420.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-493.11*	
		For Aluminized Steel Gate And Post, Add	*1,262.37*	
		For Powder Coated Gate And Post, Add	*683.78*	
		For 1" Mesh Fabric, Add	*1,144.02*	
		For 1-1/4" Mesh Fabric, Add	*736.38*	
		For 1-3/4" Mesh Fabric, Add	*457.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-228.80*	
32 31 13 13-0360	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,209.52	66.10
		For Gate With Single Barb Wire Arm, Add	*331.22*	
		For Gate With Double Barb Wire Arm, Add	*481.77*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.58*	
		For Aluminized Steel Gate And Post, Add	*1,445.32*	
		For Powder Coated Gate And Post, Add	*782.88*	
		For 1" Mesh Fabric, Add	*1,309.82*	
		For 1-1/4" Mesh Fabric, Add	*843.10*	
		For 1-3/4" Mesh Fabric, Add	*523.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.96*	
32 31 13 13-0361	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,610.53	72.72
		For Gate With Single Barb Wire Arm, Add	*373.15*	
		For Gate With Double Barb Wire Arm, Add	*542.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-636.05*	
		For Aluminized Steel Gate And Post, Add	*1,628.28*	
		For Powder Coated Gate And Post, Add	*881.98*	
		For 1" Mesh Fabric, Add	*1,475.62*	
		For 1-1/4" Mesh Fabric, Add	*949.83*	
		For 1-3/4" Mesh Fabric, Add	*590.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-295.12*	
32 31 13 13-0362	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,010.48	80.76
		For Gate With Single Barb Wire Arm, Add	*414.47*	
		For Gate With Double Barb Wire Arm, Add	*602.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.49*	
		For Aluminized Steel Gate And Post, Add	*1,808.61*	
		For Powder Coated Gate And Post, Add	*979.66*	
		For 1" Mesh Fabric, Add	*1,639.05*	
		For 1-1/4" Mesh Fabric, Add	*1,055.02*	
		For 1-3/4" Mesh Fabric, Add	*655.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.81*	
32 31 13 13-0363	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,411.06	90.86
		For Gate With Single Barb Wire Arm, Add	*455.20*	
		For Gate With Double Barb Wire Arm, Add	*662.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-775.91*	
		For Aluminized Steel Gate And Post, Add	*1,986.34*	
		For Powder Coated Gate And Post, Add	*1,075.93*	
		For 1" Mesh Fabric, Add	*1,800.12*	
		For 1-1/4" Mesh Fabric, Add	*1,158.70*	
		For 1-3/4" Mesh Fabric, Add	*720.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.02*	
32 31 13 13-0364	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,831.19	103.83
		For Gate With Single Barb Wire Arm, Add	*497.13*	
		For Gate With Double Barb Wire Arm, Add	*723.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-847.38*	
		For Aluminized Steel Gate And Post, Add	*2,169.29*	
		For Powder Coated Gate And Post, Add	*1,175.03*	
		For 1" Mesh Fabric, Add	*1,965.92*	
		For 1-1/4" Mesh Fabric, Add	*1,265.42*	
		For 1-3/4" Mesh Fabric, Add	*786.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-393.18*	
32 31 13 13-0365	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,264.31	121.15
		For Gate With Single Barb Wire Arm, Add	*539.06*	
		For Gate With Double Barb Wire Arm, Add	*784.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-918.84*	
		For Aluminized Steel Gate And Post, Add	*2,352.24*	
		For Powder Coated Gate And Post, Add	*1,274.13*	
		For 1" Mesh Fabric, Add	*2,131.72*	
		For 1-1/4" Mesh Fabric, Add	*1,372.14*	
		For 1-3/4" Mesh Fabric, Add	*852.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-426.34*	
32 31 13 13-0366	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,712.77	145.36
		For Gate With Single Barb Wire Arm, Add	*580.38*	
		For Gate With Double Barb Wire Arm, Add	*844.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-989.29*	
		For Aluminized Steel Gate And Post, Add	*2,532.58*	
		For Powder Coated Gate And Post, Add	*1,371.81*	
		For 1" Mesh Fabric, Add	*2,295.15*	
		For 1-1/4" Mesh Fabric, Add	*1,477.34*	
		For 1-3/4" Mesh Fabric, Add	*918.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-459.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0367	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,197.63	181.73
		For Gate With Single Barb Wire Arm, Add	*621.71*	
		For Gate With Double Barb Wire Arm, Add	*904.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,059.73*	
		For Aluminized Steel Gate And Post, Add	*2,712.92*	
		For Powder Coated Gate And Post, Add	*1,469.50*	
		For 1" Mesh Fabric, Add	*2,458.58*	
		For 1-1/4" Mesh Fabric, Add	*1,582.53*	
		For 1-3/4" Mesh Fabric, Add	*983.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-491.72*	
32 31 13 13-0368		**10' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0369	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	657.68	20.66
		For Gate With Single Barb Wire Arm, Add	*65.52*	
		For Gate With Double Barb Wire Arm, Add	*95.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.68*	
		For Aluminized Steel Gate And Post, Add	*285.91*	
		For Powder Coated Gate And Post, Add	*154.87*	
		For 1" Mesh Fabric, Add	*259.11*	
		For 1-1/4" Mesh Fabric, Add	*166.78*	
		For 1-3/4" Mesh Fabric, Add	*103.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.82*	
32 31 13 13-0370	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	856.22	20.66
		For Gate With Single Barb Wire Arm, Add	*87.36*	
		For Gate With Double Barb Wire Arm, Add	*127.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.91*	
		For Aluminized Steel Gate And Post, Add	*381.21*	
		For Powder Coated Gate And Post, Add	*206.49*	
		For 1" Mesh Fabric, Add	*345.47*	
		For 1-1/4" Mesh Fabric, Add	*222.37*	
		For 1-3/4" Mesh Fabric, Add	*138.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.09*	
32 31 13 13-0371	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	998.84	21.55
		For Gate With Single Barb Wire Arm, Add	*102.75*	
		For Gate With Double Barb Wire Arm, Add	*149.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.14*	
		For Aluminized Steel Gate And Post, Add	*448.36*	
		For Powder Coated Gate And Post, Add	*242.86*	
		For 1" Mesh Fabric, Add	*406.33*	
		For 1-1/4" Mesh Fabric, Add	*261.55*	
		For 1-3/4" Mesh Fabric, Add	*162.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.27*	
32 31 13 13-0372	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,154.36	26.79
		For Gate With Single Barb Wire Arm, Add	*118.14*	
		For Gate With Double Barb Wire Arm, Add	*171.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.37*	
		For Aluminized Steel Gate And Post, Add	*515.51*	
		For Powder Coated Gate And Post, Add	*279.23*	
		For 1" Mesh Fabric, Add	*467.18*	
		For 1-1/4" Mesh Fabric, Add	*300.71*	
		For 1-3/4" Mesh Fabric, Add	*186.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.44*	
32 31 13 13-0373	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,309.54	31.76
		For Gate With Single Barb Wire Arm, Add	*133.52*	
		For Gate With Double Barb Wire Arm, Add	*194.21*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.59*	
		For Aluminized Steel Gate And Post, Add	*582.64*	
		For Powder Coated Gate And Post, Add	*315.60*	
		For 1" Mesh Fabric, Add	*528.02*	
		For 1-1/4" Mesh Fabric, Add	*339.87*	
		For 1-3/4" Mesh Fabric, Add	*211.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.60*	
32 31 13 13-0374	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,464.81	37.01
		For Gate With Single Barb Wire Arm, Add	*148.91*	
		For Gate With Double Barb Wire Arm, Add	*216.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.82*	
		For Aluminized Steel Gate And Post, Add	*649.79*	
		For Powder Coated Gate And Post, Add	*351.97*	
		For 1" Mesh Fabric, Add	*588.87*	
		For 1-1/4" Mesh Fabric, Add	*379.04*	
		For 1-3/4" Mesh Fabric, Add	*235.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.77*	
32 31 13 13-0375	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,619.77	42.03
		For Gate With Single Barb Wire Arm, Add	*164.30*	
		For Gate With Double Barb Wire Arm, Add	*238.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.05*	
		For Aluminized Steel Gate And Post, Add	*716.93*	
		For Powder Coated Gate And Post, Add	*388.34*	
		For 1" Mesh Fabric, Add	*649.72*	
		For 1-1/4" Mesh Fabric, Add	*418.21*	
		For 1-3/4" Mesh Fabric, Add	*259.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0376	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,775.30	47.23
		For Gate With Single Barb Wire Arm, Add	*179.69*	
		For Gate With Double Barb Wire Arm, Add	*261.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.28*	
		For Aluminized Steel Gate And Post, Add	*784.08*	
		For Powder Coated Gate And Post, Add	*424.71*	
		For 1" Mesh Fabric, Add	*710.57*	
		For 1-1/4" Mesh Fabric, Add	*457.38*	
		For 1-3/4" Mesh Fabric, Add	*284.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.11*	
32 31 13 13-0377	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,623.47	57.71
		For Gate With Single Barb Wire Arm, Add	*269.53*	
		For Gate With Double Barb Wire Arm, Add	*392.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.11*	
		For Powder Coated Gate And Post, Add	*637.06*	
		For 1" Mesh Fabric, Add	*1,065.85*	
		For 1-1/4" Mesh Fabric, Add	*686.06*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	
32 31 13 13-0378	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,854.60	62.08
		For Gate With Single Barb Wire Arm, Add	*293.49*	
		For Gate With Double Barb Wire Arm, Add	*426.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.27*	
		For Aluminized Steel Gate And Post, Add	*1,280.68*	
		For Powder Coated Gate And Post, Add	*693.70*	
		For 1" Mesh Fabric, Add	*1,160.62*	
		For 1-1/4" Mesh Fabric, Add	*747.07*	
		For 1-3/4" Mesh Fabric, Add	*464.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
32 31 13 13-0379	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,262.21	67.32
		For Gate With Single Barb Wire Arm, Add	*336.61*	
		For Gate With Double Barb Wire Arm, Add	*489.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-573.77*	
		For Aluminized Steel Gate And Post, Add	*1,468.84*	
		For Powder Coated Gate And Post, Add	*795.62*	
		For 1" Mesh Fabric, Add	*1,331.14*	
		For 1-1/4" Mesh Fabric, Add	*856.83*	
		For 1-3/4" Mesh Fabric, Add	*532.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-266.23*	
32 31 13 13-0380	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,716.09	73.40
		For Gate With Single Barb Wire Arm, Add	*384.53*	
		For Gate With Double Barb Wire Arm, Add	*559.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.44*	
		For Aluminized Steel Gate And Post, Add	*1,677.93*	
		For Powder Coated Gate And Post, Add	*908.88*	
		For 1" Mesh Fabric, Add	*1,520.63*	
		For 1-1/4" Mesh Fabric, Add	*978.79*	
		For 1-3/4" Mesh Fabric, Add	*608.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.13*	
32 31 13 13-0381	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,173.83	80.76
		For Gate With Single Barb Wire Arm, Add	*432.44*	
		For Gate With Double Barb Wire Arm, Add	*629.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-737.12*	
		For Aluminized Steel Gate And Post, Add	*1,887.02*	
		For Powder Coated Gate And Post, Add	*1,022.14*	
		For 1" Mesh Fabric, Add	*1,710.11*	
		For 1-1/4" Mesh Fabric, Add	*1,100.76*	
		For 1-3/4" Mesh Fabric, Add	*684.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.02*	
32 31 13 13-0382	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,638.96	89.70
		For Gate With Single Barb Wire Arm, Add	*480.66*	
		For Gate With Double Barb Wire Arm, Add	*699.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-819.30*	
		For Aluminized Steel Gate And Post, Add	*2,097.41*	
		For Powder Coated Gate And Post, Add	*1,136.10*	
		For 1" Mesh Fabric, Add	*1,900.78*	
		For 1-1/4" Mesh Fabric, Add	*1,223.49*	
		For 1-3/4" Mesh Fabric, Add	*760.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-380.16*	
32 31 13 13-0383	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,111.12	100.96
		For Gate With Single Barb Wire Arm, Add	*528.87*	
		For Gate With Double Barb Wire Arm, Add	*769.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-901.49*	
		For Aluminized Steel Gate And Post, Add	*2,307.81*	
		For Powder Coated Gate And Post, Add	*1,250.06*	
		For 1" Mesh Fabric, Add	*2,091.45*	
		For 1-1/4" Mesh Fabric, Add	*1,346.22*	
		For 1-3/4" Mesh Fabric, Add	*836.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-418.29*	
32 31 13 13-0384	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,589.81	115.28
		For Gate With Single Barb Wire Arm, Add	*576.79*	
		For Gate With Double Barb Wire Arm, Add	*838.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0385	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,083.38	134.59
		For Gate With Single Barb Wire Arm, Add	*624.71*	
		For Gate With Double Barb Wire Arm, Add	*908.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,064.84*	
		For Aluminized Steel Gate And Post, Add	*2,725.99*	
		For Powder Coated Gate And Post, Add	*1,476.58*	
		For 1" Mesh Fabric, Add	*2,470.43*	
		For 1-1/4" Mesh Fabric, Add	*1,590.16*	
		For 1-3/4" Mesh Fabric, Add	*988.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-494.09*	
32 31 13 13-0386	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,599.39	161.40
		For Gate With Single Barb Wire Arm, Add	*672.62*	
		For Gate With Double Barb Wire Arm, Add	*978.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,146.51*	
		For Aluminized Steel Gate And Post, Add	*2,935.08*	
		For Powder Coated Gate And Post, Add	*1,589.83*	
		For 1" Mesh Fabric, Add	*2,659.91*	
		For 1-1/4" Mesh Fabric, Add	*1,712.13*	
		For 1-3/4" Mesh Fabric, Add	*1,063.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-531.98*	
32 31 13 13-0387	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,162.14	201.92
		For Gate With Single Barb Wire Arm, Add	*721.14*	
		For Gate With Double Barb Wire Arm, Add	*1,048.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,229.21*	
		For Aluminized Steel Gate And Post, Add	*3,146.77*	
		For Powder Coated Gate And Post, Add	*1,704.50*	
		For 1" Mesh Fabric, Add	*2,851.76*	
		For 1-1/4" Mesh Fabric, Add	*1,835.62*	
		For 1-3/4" Mesh Fabric, Add	*1,140.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-570.35*	
32 31 13 13-0388		**12' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0389	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	831.36	22.95
		For Gate With Single Barb Wire Arm, Add	*83.87*	
		For Gate With Double Barb Wire Arm, Add	*121.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.96*	
		For Aluminized Steel Gate And Post, Add	*365.97*	
		For Powder Coated Gate And Post, Add	*198.23*	
		For 1" Mesh Fabric, Add	*331.66*	
		For 1-1/4" Mesh Fabric, Add	*213.48*	
		For 1-3/4" Mesh Fabric, Add	*132.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.33*	
32 31 13 13-0390	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,085.49	22.95
		For Gate With Single Barb Wire Arm, Add	*111.82*	
		For Gate With Double Barb Wire Arm, Add	*162.65*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.61*	
		For Aluminized Steel Gate And Post, Add	*487.95*	
		For Powder Coated Gate And Post, Add	*264.31*	
		For 1" Mesh Fabric, Add	*442.20*	
		For 1-1/4" Mesh Fabric, Add	*284.64*	
		For 1-3/4" Mesh Fabric, Add	*176.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.44*	
32 31 13 13-0391	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,267.09	23.78
		For Gate With Single Barb Wire Arm, Add	*131.52*	
		For Gate With Double Barb Wire Arm, Add	*191.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.18*	
		For Aluminized Steel Gate And Post, Add	*573.90*	
		For Powder Coated Gate And Post, Add	*310.86*	
		For 1" Mesh Fabric, Add	*520.10*	
		For 1-1/4" Mesh Fabric, Add	*334.78*	
		For 1-3/4" Mesh Fabric, Add	*208.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.02*	
32 31 13 13-0392	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,463.45	29.54
		For Gate With Single Barb Wire Arm, Add	*151.21*	
		For Gate With Double Barb Wire Arm, Add	*219.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.75*	
		For Aluminized Steel Gate And Post, Add	*659.85*	
		For Powder Coated Gate And Post, Add	*357.42*	
		For 1" Mesh Fabric, Add	*597.99*	
		For 1-1/4" Mesh Fabric, Add	*384.91*	
		For 1-3/4" Mesh Fabric, Add	*239.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.60*	
32 31 13 13-0393	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	616.65	35.34
		For Gate With Single Barb Wire Arm, Add	*56.16*	
		For Gate With Double Barb Wire Arm, Add	*81.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.73*	
		For Aluminized Steel Gate And Post, Add	*245.07*	
		For Powder Coated Gate And Post, Add	*132.75*	
		For 1" Mesh Fabric, Add	*222.10*	
		For 1-1/4" Mesh Fabric, Add	*142.96*	
		For 1-3/4" Mesh Fabric, Add	*88.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	692.23	40.92
		For Gate With Single Barb Wire Arm, Add	*62.64*	
		For Gate With Double Barb Wire Arm, Add	*91.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.76*	
		For Aluminized Steel Gate And Post, Add	*273.32*	
		For Powder Coated Gate And Post, Add	*148.05*	
		For 1" Mesh Fabric, Add	*247.69*	
		For 1-1/4" Mesh Fabric, Add	*159.43*	
		For 1-3/4" Mesh Fabric, Add	*99.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.54*	
32 31 13 13-0395	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	768.38	46.67
		For Gate With Single Barb Wire Arm, Add	*69.11*	
		For Gate With Double Barb Wire Arm, Add	*100.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-117.80*	
		For Aluminized Steel Gate And Post, Add	*301.56*	
		For Powder Coated Gate And Post, Add	*163.35*	
		For 1" Mesh Fabric, Add	*273.29*	
		For 1-1/4" Mesh Fabric, Add	*175.91*	
		For 1-3/4" Mesh Fabric, Add	*109.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.66*	
32 31 13 13-0396	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	844.52	52.42
		For Gate With Single Barb Wire Arm, Add	*75.58*	
		For Gate With Double Barb Wire Arm, Add	*109.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.83*	
		For Aluminized Steel Gate And Post, Add	*329.80*	
		For Powder Coated Gate And Post, Add	*178.64*	
		For 1" Mesh Fabric, Add	*298.88*	
		For 1-1/4" Mesh Fabric, Add	*192.38*	
		For 1-3/4" Mesh Fabric, Add	*119.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.78*	
32 31 13 13-0397	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,149.78	64.13
		For Gate With Single Barb Wire Arm, Add	*105.30*	
		For Gate With Double Barb Wire Arm, Add	*153.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.49*	
		For Aluminized Steel Gate And Post, Add	*459.50*	
		For Powder Coated Gate And Post, Add	*248.90*	
		For 1" Mesh Fabric, Add	*416.42*	
		For 1-1/4" Mesh Fabric, Add	*268.04*	
		For 1-3/4" Mesh Fabric, Add	*166.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.28*	
32 31 13 13-0398	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,259.30	69.03
		For Gate With Single Barb Wire Arm, Add	*115.73*	
		For Gate With Double Barb Wire Arm, Add	*168.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.27*	
		For Aluminized Steel Gate And Post, Add	*505.02*	
		For Powder Coated Gate And Post, Add	*273.55*	
		For 1" Mesh Fabric, Add	*457.67*	
		For 1-1/4" Mesh Fabric, Add	*294.59*	
		For 1-3/4" Mesh Fabric, Add	*183.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.53*	
32 31 13 13-0399	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,430.58	74.77
		For Gate With Single Barb Wire Arm, Add	*132.66*	
		For Gate With Double Barb Wire Arm, Add	*192.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.13*	
		For Aluminized Steel Gate And Post, Add	*578.88*	
		For Powder Coated Gate And Post, Add	*313.56*	
		For 1" Mesh Fabric, Add	*524.61*	
		For 1-1/4" Mesh Fabric, Add	*337.68*	
		For 1-3/4" Mesh Fabric, Add	*209.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.92*	
32 31 13 13-0400	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,622.72	81.52
		For Gate With Single Barb Wire Arm, Add	*151.56*	
		For Gate With Double Barb Wire Arm, Add	*220.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.33*	
		For Aluminized Steel Gate And Post, Add	*661.33*	
		For Powder Coated Gate And Post, Add	*358.22*	
		For 1" Mesh Fabric, Add	*599.33*	
		For 1-1/4" Mesh Fabric, Add	*385.78*	
		For 1-3/4" Mesh Fabric, Add	*239.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.87*	
32 31 13 13-0401	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,984.72	89.77
		For Gate With Single Barb Wire Arm, Add	*518.69*	
		For Gate With Double Barb Wire Arm, Add	*754.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-884.13*	
		For Aluminized Steel Gate And Post, Add	*2,263.38*	
		For Powder Coated Gate And Post, Add	*1,226.00*	
		For 1" Mesh Fabric, Add	*2,051.19*	
		For 1-1/4" Mesh Fabric, Add	*1,320.30*	
		For 1-3/4" Mesh Fabric, Add	*820.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-410.24*	
32 31 13 13-0402	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,542.73	99.67
		For Gate With Single Barb Wire Arm, Add	*576.79*	
		For Gate With Double Barb Wire Arm, Add	*838.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0403	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,103.12	112.14
		For Gate With Single Barb Wire Arm, Add	*634.29*	
		For Gate With Double Barb Wire Arm, Add	*922.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,081.17*	
		For Aluminized Steel Gate And Post, Add	*2,767.80*	
		For Powder Coated Gate And Post, Add	*1,499.23*	
		For 1" Mesh Fabric, Add	*2,508.32*	
		For 1-1/4" Mesh Fabric, Add	*1,614.55*	
		For 1-3/4" Mesh Fabric, Add	*1,003.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-501.66*	
32 31 13 13-0404	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,679.17	128.10
		For Gate With Single Barb Wire Arm, Add	*692.39*	
		For Gate With Double Barb Wire Arm, Add	*1,007.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,180.20*	
		For Aluminized Steel Gate And Post, Add	*3,021.32*	
		For Powder Coated Gate And Post, Add	*1,636.55*	
		For 1" Mesh Fabric, Add	*2,738.07*	
		For 1-1/4" Mesh Fabric, Add	*1,762.44*	
		For 1-3/4" Mesh Fabric, Add	*1,095.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-547.61*	
32 31 13 13-0405	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,260.85	149.60
		For Gate With Single Barb Wire Arm, Add	*749.29*	
		For Gate With Double Barb Wire Arm, Add	*1,089.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,277.19*	
		For Aluminized Steel Gate And Post, Add	*3,269.62*	
		For Powder Coated Gate And Post, Add	*1,771.04*	
		For 1" Mesh Fabric, Add	*2,963.09*	
		For 1-1/4" Mesh Fabric, Add	*1,907.28*	
		For 1-3/4" Mesh Fabric, Add	*1,185.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-592.62*	
32 31 13 13-0406	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,872.92	179.34
		For Gate With Single Barb Wire Arm, Add	*806.79*	
		For Gate With Double Barb Wire Arm, Add	*1,173.51*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,375.20*	
		For Aluminized Steel Gate And Post, Add	*3,520.52*	
		For Powder Coated Gate And Post, Add	*1,906.95*	
		For 1" Mesh Fabric, Add	*3,190.47*	
		For 1-1/4" Mesh Fabric, Add	*2,053.64*	
		For 1-3/4" Mesh Fabric, Add	*1,276.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-638.09*	
32 31 13 13-0407	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,536.31	224.36
		For Gate With Single Barb Wire Arm, Add	*864.88*	
		For Gate With Double Barb Wire Arm, Add	*1,258.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,474.23*	
		For Aluminized Steel Gate And Post, Add	*3,774.04*	
		For Powder Coated Gate And Post, Add	*2,044.27*	
		For 1" Mesh Fabric, Add	*3,420.22*	
		For 1-1/4" Mesh Fabric, Add	*2,201.52*	
		For 1-3/4" Mesh Fabric, Add	*1,368.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-684.04*	

32 31 13 13-0408 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0266)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0409 4' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0410	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	161.27	13.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.39*	
		For 1" Mesh Fabric, Add	*51.94*	
		For 1-1/4" Mesh Fabric, Add	*33.43*	
		For 1-3/4" Mesh Fabric, Add	*20.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.39*	
		For Gate With Single Barb Wire Arm, Add	*13.13*	
		For Gate With Double Barb Wire Arm, Add	*19.10*	
32 31 13 13-0411	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	201.07	13.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.85*	
		For 1" Mesh Fabric, Add	*69.25*	
		For 1-1/4" Mesh Fabric, Add	*44.58*	
		For 1-3/4" Mesh Fabric, Add	*27.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.85*	
		For Gate With Single Barb Wire Arm, Add	*17.51*	
		For Gate With Double Barb Wire Arm, Add	*25.47*	
32 31 13 13-0412	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	237.03	14.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.07*	
		For 1" Mesh Fabric, Add	*83.68*	
		For 1-1/4" Mesh Fabric, Add	*53.86*	
		For 1-3/4" Mesh Fabric, Add	*33.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.74*	
		For Gate With Single Barb Wire Arm, Add	*21.16*	
		For Gate With Double Barb Wire Arm, Add	*30.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0413	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	279.12	17.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.29*	
		For 1" Mesh Fabric, Add	*98.11*	
		For 1-1/4" Mesh Fabric, Add	*63.15*	
		For 1-3/4" Mesh Fabric, Add	*39.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.62*	
		For Gate With Single Barb Wire Arm, Add	*24.81*	
		For Gate With Double Barb Wire Arm, Add	*36.08*	
32 31 13 13-0414	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	321.22	20.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.50*	
		For 1" Mesh Fabric, Add	*112.53*	
		For 1-1/4" Mesh Fabric, Add	*72.43*	
		For 1-3/4" Mesh Fabric, Add	*45.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.51*	
		For Gate With Single Barb Wire Arm, Add	*28.46*	
		For Gate With Double Barb Wire Arm, Add	*41.39*	
32 31 13 13-0415	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	363.33	23.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.73*	
		For 1" Mesh Fabric, Add	*126.96*	
		For 1-1/4" Mesh Fabric, Add	*81.72*	
		For 1-3/4" Mesh Fabric, Add	*50.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.39*	
		For Gate With Single Barb Wire Arm, Add	*32.11*	
		For Gate With Double Barb Wire Arm, Add	*46.70*	
32 31 13 13-0416	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	405.42	26.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-60.94*	
		For 1" Mesh Fabric, Add	*141.39*	
		For 1-1/4" Mesh Fabric, Add	*91.01*	
		For 1-3/4" Mesh Fabric, Add	*56.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.28*	
		For Gate With Single Barb Wire Arm, Add	*35.75*	
		For Gate With Double Barb Wire Arm, Add	*52.00*	
32 31 13 13-0417	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	447.51	29.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.16*	
		For 1" Mesh Fabric, Add	*155.81*	
		For 1-1/4" Mesh Fabric, Add	*100.29*	
		For 1-3/4" Mesh Fabric, Add	*62.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.16*	
		For Gate With Single Barb Wire Arm, Add	*39.40*	
		For Gate With Double Barb Wire Arm, Add	*57.31*	
32 31 13 13-0418	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	566.91	29.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.55*	
		For 1" Mesh Fabric, Add	*207.75*	
		For 1-1/4" Mesh Fabric, Add	*133.73*	
		For 1-3/4" Mesh Fabric, Add	*83.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.55*	
		For Gate With Single Barb Wire Arm, Add	*52.53*	
		For Gate With Double Barb Wire Arm, Add	*76.41*	
32 31 13 13-0419	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	668.82	31.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.46*	
		For 1" Mesh Fabric, Add	*249.30*	
		For 1-1/4" Mesh Fabric, Add	*160.47*	
		For 1-3/4" Mesh Fabric, Add	*99.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.86*	
		For Gate With Single Barb Wire Arm, Add	*63.04*	
		For Gate With Double Barb Wire Arm, Add	*91.70*	
32 31 13 13-0420	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	771.70	34.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-125.37*	
		For 1" Mesh Fabric, Add	*290.85*	
		For 1-1/4" Mesh Fabric, Add	*187.22*	
		For 1-3/4" Mesh Fabric, Add	*116.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.17*	
		For Gate With Single Barb Wire Arm, Add	*73.55*	
		For Gate With Double Barb Wire Arm, Add	*106.98*	
32 31 13 13-0421	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	875.80	37.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.28*	
		For 1" Mesh Fabric, Add	*332.41*	
		For 1-1/4" Mesh Fabric, Add	*213.96*	
		For 1-3/4" Mesh Fabric, Add	*132.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	
		For Gate With Single Barb Wire Arm, Add	*84.06*	
		For Gate With Double Barb Wire Arm, Add	*122.26*	
32 31 13 13-0422	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,005.20	48.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.19*	
		For 1" Mesh Fabric, Add	*373.96*	
		For 1-1/4" Mesh Fabric, Add	*240.71*	
		For 1-3/4" Mesh Fabric, Add	*149.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.79*	
		For Gate With Single Barb Wire Arm, Add	*94.56*	
		For Gate With Double Barb Wire Arm, Add	*137.55*	
32 31 13 13-0423	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,111.10	51.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.10*	
		For 1" Mesh Fabric, Add	*415.50*	
		For 1-1/4" Mesh Fabric, Add	*267.45*	
		For 1-3/4" Mesh Fabric, Add	*166.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.10*	
		For Gate With Single Barb Wire Arm, Add	*105.07*	
		For Gate With Double Barb Wire Arm, Add	*152.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0424	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,218.61	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.01*	
		For 1" Mesh Fabric, Add	*457.05*	
		For 1-1/4" Mesh Fabric, Add	*294.20*	
		For 1-3/4" Mesh Fabric, Add	*182.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.41*	
		For Gate With Single Barb Wire Arm, Add	*115.58*	
		For Gate With Double Barb Wire Arm, Add	*168.11*	
32 31 13 13-0425	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,328.13	60.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.92*	
		For 1" Mesh Fabric, Add	*498.61*	
		For 1-1/4" Mesh Fabric, Add	*320.94*	
		For 1-3/4" Mesh Fabric, Add	*199.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.72*	
		For Gate With Single Barb Wire Arm, Add	*126.08*	
		For Gate With Double Barb Wire Arm, Add	*183.40*	
32 31 13 13-0426	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,440.18	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-232.83*	
		For 1" Mesh Fabric, Add	*540.16*	
		For 1-1/4" Mesh Fabric, Add	*347.69*	
		For 1-3/4" Mesh Fabric, Add	*216.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.03*	
		For Gate With Single Barb Wire Arm, Add	*136.59*	
		For Gate With Double Barb Wire Arm, Add	*198.68*	
32 31 13 13-0427	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,555.55	72.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.74*	
		For 1" Mesh Fabric, Add	*581.71*	
		For 1-1/4" Mesh Fabric, Add	*374.43*	
		For 1-3/4" Mesh Fabric, Add	*232.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.34*	
		For Gate With Single Barb Wire Arm, Add	*147.10*	
		For Gate With Double Barb Wire Arm, Add	*213.96*	
32 31 13 13-0428	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,675.32	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-268.65*	
		For 1" Mesh Fabric, Add	*623.26*	
		For 1-1/4" Mesh Fabric, Add	*401.18*	
		For 1-3/4" Mesh Fabric, Add	*249.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.65*	
		For Gate With Single Barb Wire Arm, Add	*157.61*	
		For Gate With Double Barb Wire Arm, Add	*229.24*	
32 31 13 13-0429		**5' Fence Height** *(32 31 13 13-0408)*		
32 31 13 13-0430	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	192.61	14.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.74*	
		For 1" Mesh Fabric, Add	*64.36*	
		For 1-1/4" Mesh Fabric, Add	*41.43*	
		For 1-3/4" Mesh Fabric, Add	*25.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.87*	
		For Gate With Single Barb Wire Arm, Add	*16.27*	
		For Gate With Double Barb Wire Arm, Add	*23.67*	
32 31 13 13-0431	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	241.93	14.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.99*	
		For 1" Mesh Fabric, Add	*85.81*	
		For 1-1/4" Mesh Fabric, Add	*55.24*	
		For 1-3/4" Mesh Fabric, Add	*34.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.16*	
		For Gate With Single Barb Wire Arm, Add	*21.70*	
		For Gate With Double Barb Wire Arm, Add	*31.56*	
32 31 13 13-0432	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	281.73	15.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.93*	
		For 1" Mesh Fabric, Add	*101.91*	
		For 1-1/4" Mesh Fabric, Add	*65.60*	
		For 1-3/4" Mesh Fabric, Add	*40.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.38*	
		For Gate With Single Barb Wire Arm, Add	*25.77*	
		For Gate With Double Barb Wire Arm, Add	*37.48*	
32 31 13 13-0433	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	328.19	18.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.86*	
		For 1" Mesh Fabric, Add	*117.99*	
		For 1-1/4" Mesh Fabric, Add	*75.95*	
		For 1-3/4" Mesh Fabric, Add	*47.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.60*	
		For Gate With Single Barb Wire Arm, Add	*29.84*	
		For Gate With Double Barb Wire Arm, Add	*43.40*	
32 31 13 13-0434	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	374.68	22.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.80*	
		For 1" Mesh Fabric, Add	*134.08*	
		For 1-1/4" Mesh Fabric, Add	*86.31*	
		For 1-3/4" Mesh Fabric, Add	*53.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.82*	
		For Gate With Single Barb Wire Arm, Add	*33.91*	
		For Gate With Double Barb Wire Arm, Add	*49.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0435	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	421.70	25.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.73*	
		For 1" Mesh Fabric, Add	*150.17*	
		For 1-1/4" Mesh Fabric, Add	*96.66*	
		For 1-3/4" Mesh Fabric, Add	*60.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.03*	
		For Gate With Single Barb Wire Arm, Add	*37.97*	
		For Gate With Double Barb Wire Arm, Add	*55.24*	
32 31 13 13-0436	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	468.18	28.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.66*	
		For 1" Mesh Fabric, Add	*166.26*	
		For 1-1/4" Mesh Fabric, Add	*107.02*	
		For 1-3/4" Mesh Fabric, Add	*66.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.25*	
		For Gate With Single Barb Wire Arm, Add	*42.04*	
		For Gate With Double Barb Wire Arm, Add	*61.15*	
32 31 13 13-0437	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	514.66	31.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.60*	
		For 1" Mesh Fabric, Add	*182.35*	
		For 1-1/4" Mesh Fabric, Add	*117.37*	
		For 1-3/4" Mesh Fabric, Add	*72.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.47*	
		For Gate With Single Barb Wire Arm, Add	*46.11*	
		For Gate With Double Barb Wire Arm, Add	*67.07*	
32 31 13 13-0438	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	687.51	31.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.96*	
		For 1" Mesh Fabric, Add	*257.43*	
		For 1-1/4" Mesh Fabric, Add	*165.70*	
		For 1-3/4" Mesh Fabric, Add	*102.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.49*	
		For Gate With Single Barb Wire Arm, Add	*65.10*	
		For Gate With Double Barb Wire Arm, Add	*94.69*	
32 31 13 13-0439	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	813.23	34.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-133.16*	
		For 1" Mesh Fabric, Add	*308.92*	
		For 1-1/4" Mesh Fabric, Add	*198.84*	
		For 1-3/4" Mesh Fabric, Add	*123.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.78*	
		For Gate With Single Barb Wire Arm, Add	*78.12*	
		For Gate With Double Barb Wire Arm, Add	*113.63*	
32 31 13 13-0440	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	940.17	37.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.35*	
		For 1" Mesh Fabric, Add	*360.41*	
		For 1-1/4" Mesh Fabric, Add	*231.99*	
		For 1-3/4" Mesh Fabric, Add	*144.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.08*	
		For Gate With Single Barb Wire Arm, Add	*91.14*	
		For Gate With Double Barb Wire Arm, Add	*132.56*	
32 31 13 13-0441	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,092.41	48.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.54*	
		For 1" Mesh Fabric, Add	*411.89*	
		For 1-1/4" Mesh Fabric, Add	*265.13*	
		For 1-3/4" Mesh Fabric, Add	*164.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.38*	
		For Gate With Single Barb Wire Arm, Add	*104.16*	
		For Gate With Double Barb Wire Arm, Add	*151.50*	
32 31 13 13-0442	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,221.16	51.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.73*	
		For 1" Mesh Fabric, Add	*463.38*	
		For 1-1/4" Mesh Fabric, Add	*298.27*	
		For 1-3/4" Mesh Fabric, Add	*185.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.68*	
		For Gate With Single Barb Wire Arm, Add	*117.18*	
		For Gate With Double Barb Wire Arm, Add	*170.44*	
32 31 13 13-0443	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,351.51	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.93*	
		For 1" Mesh Fabric, Add	*514.87*	
		For 1-1/4" Mesh Fabric, Add	*331.41*	
		For 1-3/4" Mesh Fabric, Add	*205.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.97*	
		For Gate With Single Barb Wire Arm, Add	*130.20*	
		For Gate With Double Barb Wire Arm, Add	*189.38*	
32 31 13 13-0444	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,483.87	60.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.12*	
		For 1" Mesh Fabric, Add	*566.35*	
		For 1-1/4" Mesh Fabric, Add	*364.55*	
		For 1-3/4" Mesh Fabric, Add	*226.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.27*	
		For Gate With Single Barb Wire Arm, Add	*143.22*	
		For Gate With Double Barb Wire Arm, Add	*208.31*	
32 31 13 13-0445	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,618.76	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.31*	
		For 1" Mesh Fabric, Add	*617.84*	
		For 1-1/4" Mesh Fabric, Add	*397.69*	
		For 1-3/4" Mesh Fabric, Add	*247.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.57*	
		For Gate With Single Barb Wire Arm, Add	*156.24*	
		For Gate With Double Barb Wire Arm, Add	*227.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0446	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,756.97	72.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.50*	
		For 1" Mesh Fabric, Add	*669.33*	
		For 1-1/4" Mesh Fabric, Add	*430.83*	
		For 1-3/4" Mesh Fabric, Add	*267.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.87*	
		For Gate With Single Barb Wire Arm, Add	*169.25*	
		For Gate With Double Barb Wire Arm, Add	*246.19*	
32 31 13 13-0447	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,899.58	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.70*	
		For 1" Mesh Fabric, Add	*720.81*	
		For 1-1/4" Mesh Fabric, Add	*463.97*	
		For 1-3/4" Mesh Fabric, Add	*288.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.16*	
		For Gate With Single Barb Wire Arm, Add	*182.27*	
		For Gate With Double Barb Wire Arm, Add	*265.13*	
32 31 13 13-0448	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,048.26	90.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.89*	
		For 1" Mesh Fabric, Add	*772.30*	
		For 1-1/4" Mesh Fabric, Add	*497.11*	
		For 1-3/4" Mesh Fabric, Add	*308.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.46*	
		For Gate With Single Barb Wire Arm, Add	*195.29*	
		For Gate With Double Barb Wire Arm, Add	*284.06*	
32 31 13 13-0449		6' Fence Height *(32 31 13 13-0408)*		
32 31 13 13-0450	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	205.97	15.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.65*	
		For 1" Mesh Fabric, Add	*68.78*	
		For 1-1/4" Mesh Fabric, Add	*44.27*	
		For 1-3/4" Mesh Fabric, Add	*27.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.76*	
		For Gate With Single Barb Wire Arm, Add	*17.39*	
		For Gate With Double Barb Wire Arm, Add	*25.30*	
32 31 13 13-0451	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	258.67	15.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.53*	
		For 1" Mesh Fabric, Add	*91.71*	
		For 1-1/4" Mesh Fabric, Add	*59.03*	
		For 1-3/4" Mesh Fabric, Add	*36.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.34*	
		For Gate With Single Barb Wire Arm, Add	*23.19*	
		For Gate With Double Barb Wire Arm, Add	*33.73*	
32 31 13 13-0452	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	301.17	16.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.94*	
		For 1" Mesh Fabric, Add	*108.91*	
		For 1-1/4" Mesh Fabric, Add	*70.10*	
		For 1-3/4" Mesh Fabric, Add	*43.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For Gate With Single Barb Wire Arm, Add	*27.54*	
		For Gate With Double Barb Wire Arm, Add	*40.06*	
32 31 13 13-0453	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	351.28	20.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.35*	
		For 1" Mesh Fabric, Add	*126.10*	
		For 1-1/4" Mesh Fabric, Add	*81.17*	
		For 1-3/4" Mesh Fabric, Add	*50.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.22*	
		For Gate With Single Barb Wire Arm, Add	*31.89*	
		For Gate With Double Barb Wire Arm, Add	*46.38*	
32 31 13 13-0454	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	401.42	24.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.76*	
		For 1" Mesh Fabric, Add	*143.29*	
		For 1-1/4" Mesh Fabric, Add	*92.23*	
		For 1-3/4" Mesh Fabric, Add	*57.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.66*	
		For Gate With Single Barb Wire Arm, Add	*36.24*	
		For Gate With Double Barb Wire Arm, Add	*52.71*	
32 31 13 13-0455	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	451.00	27.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.18*	
		For 1" Mesh Fabric, Add	*160.49*	
		For 1-1/4" Mesh Fabric, Add	*103.30*	
		For 1-3/4" Mesh Fabric, Add	*64.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.10*	
		For Gate With Single Barb Wire Arm, Add	*40.58*	
		For Gate With Double Barb Wire Arm, Add	*59.03*	
32 31 13 13-0456	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	501.14	30.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.59*	
		For 1" Mesh Fabric, Add	*177.68*	
		For 1-1/4" Mesh Fabric, Add	*114.37*	
		For 1-3/4" Mesh Fabric, Add	*71.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.54*	
		For Gate With Single Barb Wire Arm, Add	*44.93*	
		For Gate With Double Barb Wire Arm, Add	*65.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0457	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	551.28	34.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.00*	
		For 1" Mesh Fabric, Add	*194.88*	
		For 1-1/4" Mesh Fabric, Add	*125.44*	
		For 1-3/4" Mesh Fabric, Add	*77.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.98*	
		For Gate With Single Barb Wire Arm, Add	*49.28*	
		For Gate With Double Barb Wire Arm, Add	*71.68*	
32 31 13 13-0458	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	735.54	34.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.59*	
		For 1" Mesh Fabric, Add	*275.12*	
		For 1-1/4" Mesh Fabric, Add	*177.09*	
		For 1-3/4" Mesh Fabric, Add	*110.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.02*	
		For Gate With Single Barb Wire Arm, Add	*69.57*	
		For Gate With Double Barb Wire Arm, Add	*101.20*	
32 31 13 13-0459	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	870.61	37.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.31*	
		For 1" Mesh Fabric, Add	*330.15*	
		For 1-1/4" Mesh Fabric, Add	*212.51*	
		For 1-3/4" Mesh Fabric, Add	*132.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.03*	
		For Gate With Single Barb Wire Arm, Add	*83.49*	
		For Gate With Double Barb Wire Arm, Add	*121.43*	
32 31 13 13-0460	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,041.37	51.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.02*	
		For 1" Mesh Fabric, Add	*385.17*	
		For 1-1/4" Mesh Fabric, Add	*247.93*	
		For 1-3/4" Mesh Fabric, Add	*154.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.03*	
		For Gate With Single Barb Wire Arm, Add	*97.40*	
		For Gate With Double Barb Wire Arm, Add	*141.67*	
32 31 13 13-0461	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,179.86	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.74*	
		For 1" Mesh Fabric, Add	*440.20*	
		For 1-1/4" Mesh Fabric, Add	*283.35*	
		For 1-3/4" Mesh Fabric, Add	*176.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.04*	
		For Gate With Single Barb Wire Arm, Add	*111.31*	
		For Gate With Double Barb Wire Arm, Add	*161.91*	
32 31 13 13-0462	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,320.35	60.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-213.46*	
		For 1" Mesh Fabric, Add	*495.22*	
		For 1-1/4" Mesh Fabric, Add	*318.76*	
		For 1-3/4" Mesh Fabric, Add	*198.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.04*	
		For Gate With Single Barb Wire Arm, Add	*125.23*	
		For Gate With Double Barb Wire Arm, Add	*182.15*	
32 31 13 13-0463	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,486.75	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.56*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.73*	
		For 1-3/4" Mesh Fabric, Add	*224.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For Gate With Single Barb Wire Arm, Add	*141.71*	
		For Gate With Double Barb Wire Arm, Add	*206.13*	
32 31 13 13-0464	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,613.96	72.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-261.69*	
		For 1" Mesh Fabric, Add	*607.12*	
		For 1-1/4" Mesh Fabric, Add	*390.79*	
		For 1-3/4" Mesh Fabric, Add	*242.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.42*	
		For Gate With Single Barb Wire Arm, Add	*153.52*	
		For Gate With Double Barb Wire Arm, Add	*223.31*	
32 31 13 13-0465	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,760.46	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.61*	
		For 1" Mesh Fabric, Add	*660.30*	
		For 1-1/4" Mesh Fabric, Add	*425.02*	
		For 1-3/4" Mesh Fabric, Add	*264.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.06*	
		For Gate With Single Barb Wire Arm, Add	*166.97*	
		For Gate With Double Barb Wire Arm, Add	*242.87*	
32 31 13 13-0466	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,917.27	90.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.33*	
		For 1" Mesh Fabric, Add	*715.32*	
		For 1-1/4" Mesh Fabric, Add	*460.43*	
		For 1-3/4" Mesh Fabric, Add	*286.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-143.06*	
		For Gate With Single Barb Wire Arm, Add	*180.89*	
		For Gate With Double Barb Wire Arm, Add	*263.11*	
32 31 13 13-0467	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,082.75	103.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.05*	
		For 1" Mesh Fabric, Add	*770.35*	
		For 1-1/4" Mesh Fabric, Add	*495.85*	
		For 1-3/4" Mesh Fabric, Add	*308.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.07*	
		For Gate With Single Barb Wire Arm, Add	*194.80*	
		For Gate With Double Barb Wire Arm, Add	*283.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0468	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,261.21	121.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.76*	
		For 1" Mesh Fabric, Add	*825.37*	
		For 1-1/4" Mesh Fabric, Add	*531.27*	
		For 1-3/4" Mesh Fabric, Add	*330.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.07*	
		For Gate With Single Barb Wire Arm, Add	*208.71*	
		For Gate With Double Barb Wire Arm, Add	*303.58*	
32 31 13 13-0469		**7' Fence Height** *(32 31 13 13-0408)*		
32 31 13 13-0470	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	217.60	17.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.14*	
		For 1" Mesh Fabric, Add	*72.24*	
		For 1-1/4" Mesh Fabric, Add	*46.50*	
		For 1-3/4" Mesh Fabric, Add	*28.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.45*	
		For Gate With Single Barb Wire Arm, Add	*18.27*	
		For Gate With Double Barb Wire Arm, Add	*26.57*	
32 31 13 13-0471	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	272.97	17.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.52*	
		For 1" Mesh Fabric, Add	*96.33*	
		For 1-1/4" Mesh Fabric, Add	*62.00*	
		For 1-3/4" Mesh Fabric, Add	*38.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.27*	
		For Gate With Single Barb Wire Arm, Add	*24.36*	
		For Gate With Double Barb Wire Arm, Add	*35.43*	
32 31 13 13-0472	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	317.13	18.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.31*	
		For 1" Mesh Fabric, Add	*114.39*	
		For 1-1/4" Mesh Fabric, Add	*73.63*	
		For 1-3/4" Mesh Fabric, Add	*45.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.88*	
		For Gate With Single Barb Wire Arm, Add	*28.93*	
		For Gate With Double Barb Wire Arm, Add	*42.08*	
32 31 13 13-0473	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	370.36	21.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.09*	
		For 1" Mesh Fabric, Add	*132.45*	
		For 1-1/4" Mesh Fabric, Add	*85.25*	
		For 1-3/4" Mesh Fabric, Add	*52.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.49*	
		For Gate With Single Barb Wire Arm, Add	*33.49*	
		For Gate With Double Barb Wire Arm, Add	*48.72*	
32 31 13 13-0474	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	423.04	25.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.88*	
		For 1" Mesh Fabric, Add	*150.51*	
		For 1-1/4" Mesh Fabric, Add	*96.88*	
		For 1-3/4" Mesh Fabric, Add	*60.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.10*	
		For Gate With Single Barb Wire Arm, Add	*38.06*	
		For Gate With Double Barb Wire Arm, Add	*55.36*	
32 31 13 13-0475	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	476.31	29.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.66*	
		For 1" Mesh Fabric, Add	*168.58*	
		For 1-1/4" Mesh Fabric, Add	*108.51*	
		For 1-3/4" Mesh Fabric, Add	*67.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.72*	
		For Gate With Single Barb Wire Arm, Add	*42.63*	
		For Gate With Double Barb Wire Arm, Add	*62.01*	
32 31 13 13-0476	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.98	33.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.45*	
		For 1" Mesh Fabric, Add	*186.64*	
		For 1-1/4" Mesh Fabric, Add	*120.13*	
		For 1-3/4" Mesh Fabric, Add	*74.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.33*	
		For Gate With Single Barb Wire Arm, Add	*47.20*	
		For Gate With Double Barb Wire Arm, Add	*68.65*	
32 31 13 13-0477	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	582.23	37.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.23*	
		For 1" Mesh Fabric, Add	*204.70*	
		For 1-1/4" Mesh Fabric, Add	*131.76*	
		For 1-3/4" Mesh Fabric, Add	*81.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.94*	
		For Gate With Single Barb Wire Arm, Add	*51.76*	
		For Gate With Double Barb Wire Arm, Add	*75.29*	
32 31 13 13-0478	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	775.98	37.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.56*	
		For 1" Mesh Fabric, Add	*288.98*	
		For 1-1/4" Mesh Fabric, Add	*186.01*	
		For 1-3/4" Mesh Fabric, Add	*115.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.80*	
		For Gate With Single Barb Wire Arm, Add	*73.08*	
		For Gate With Double Barb Wire Arm, Add	*106.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0479	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	953.10	51.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.47*	
		For 1" Mesh Fabric, Add	*346.77*	
		For 1-1/4" Mesh Fabric, Add	*223.21*	
		For 1-3/4" Mesh Fabric, Add	*138.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.35*	
		For Gate With Single Barb Wire Arm, Add	*87.69*	
		For Gate With Double Barb Wire Arm, Add	*127.55*	
32 31 13 13-0480	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,097.97	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.39*	
		For 1" Mesh Fabric, Add	*404.58*	
		For 1-1/4" Mesh Fabric, Add	*260.42*	
		For 1-3/4" Mesh Fabric, Add	*161.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.92*	
		For Gate With Single Barb Wire Arm, Add	*102.31*	
		For Gate With Double Barb Wire Arm, Add	*148.81*	
32 31 13 13-0481	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,244.81	60.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.29*	
		For 1" Mesh Fabric, Add	*462.36*	
		For 1-1/4" Mesh Fabric, Add	*297.61*	
		For 1-3/4" Mesh Fabric, Add	*184.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.47*	
		For Gate With Single Barb Wire Arm, Add	*116.92*	
		For Gate With Double Barb Wire Arm, Add	*170.06*	
32 31 13 13-0482	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,394.22	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.21*	
		For 1" Mesh Fabric, Add	*520.16*	
		For 1-1/4" Mesh Fabric, Add	*334.82*	
		For 1-3/4" Mesh Fabric, Add	*208.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.03*	
		For Gate With Single Barb Wire Arm, Add	*131.54*	
		For Gate With Double Barb Wire Arm, Add	*191.32*	
32 31 13 13-0483	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,546.92	72.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.12*	
		For 1" Mesh Fabric, Add	*577.95*	
		For 1-1/4" Mesh Fabric, Add	*372.02*	
		For 1-3/4" Mesh Fabric, Add	*231.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.59*	
		For Gate With Single Barb Wire Arm, Add	*146.15*	
		For Gate With Double Barb Wire Arm, Add	*212.58*	
32 31 13 13-0484	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,704.01	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-274.03*	
		For 1" Mesh Fabric, Add	*635.74*	
		For 1-1/4" Mesh Fabric, Add	*409.21*	
		For 1-3/4" Mesh Fabric, Add	*254.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-127.15*	
		For Gate With Single Barb Wire Arm, Add	*160.76*	
		For Gate With Double Barb Wire Arm, Add	*233.84*	
32 31 13 13-0485	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,867.21	90.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.94*	
		For 1" Mesh Fabric, Add	*693.54*	
		For 1-1/4" Mesh Fabric, Add	*446.42*	
		For 1-3/4" Mesh Fabric, Add	*277.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.71*	
		For Gate With Single Barb Wire Arm, Add	*175.38*	
		For Gate With Double Barb Wire Arm, Add	*255.10*	
32 31 13 13-0486	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,039.07	103.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.86*	
		For 1" Mesh Fabric, Add	*751.35*	
		For 1-1/4" Mesh Fabric, Add	*483.62*	
		For 1-3/4" Mesh Fabric, Add	*300.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.27*	
		For Gate With Single Barb Wire Arm, Add	*190.00*	
		For Gate With Double Barb Wire Arm, Add	*276.36*	
32 31 13 13-0487	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,223.89	121.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-348.77*	
		For 1" Mesh Fabric, Add	*809.13*	
		For 1-1/4" Mesh Fabric, Add	*520.82*	
		For 1-3/4" Mesh Fabric, Add	*323.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.83*	
		For Gate With Single Barb Wire Arm, Add	*204.61*	
		For Gate With Double Barb Wire Arm, Add	*297.61*	
32 31 13 13-0488	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,429.53	145.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.68*	
		For 1" Mesh Fabric, Add	*866.94*	
		For 1-1/4" Mesh Fabric, Add	*558.03*	
		For 1-3/4" Mesh Fabric, Add	*346.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.39*	
		For Gate With Single Barb Wire Arm, Add	*219.23*	
		For Gate With Double Barb Wire Arm, Add	*318.87*	

32 31 13 13-0489 8' Fence Height *(32 31 13 13-0408)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0490	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	257.13	18.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.74*	
		For 1" Mesh Fabric, Add	*87.57*	
		For 1-1/4" Mesh Fabric, Add	*56.36*	
		For 1-3/4" Mesh Fabric, Add	*35.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.51*	
		For Gate With Single Barb Wire Arm, Add	*22.14*	
		For Gate With Double Barb Wire Arm, Add	*32.21*	
32 31 13 13-0491	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	324.23	18.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.33*	
		For 1" Mesh Fabric, Add	*116.75*	
		For 1-1/4" Mesh Fabric, Add	*75.15*	
		For 1-3/4" Mesh Fabric, Add	*46.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.35*	
		For Gate With Single Barb Wire Arm, Add	*29.52*	
		For Gate With Double Barb Wire Arm, Add	*42.94*	
32 31 13 13-0492	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	368.96	18.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.71*	
		For 1" Mesh Fabric, Add	*136.21*	
		For 1-1/4" Mesh Fabric, Add	*87.68*	
		For 1-3/4" Mesh Fabric, Add	*54.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.24*	
		For Gate With Single Barb Wire Arm, Add	*34.44*	
		For Gate With Double Barb Wire Arm, Add	*50.10*	
32 31 13 13-0493	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	428.20	23.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.10*	
		For 1" Mesh Fabric, Add	*155.67*	
		For 1-1/4" Mesh Fabric, Add	*100.20*	
		For 1-3/4" Mesh Fabric, Add	*62.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.13*	
		For Gate With Single Barb Wire Arm, Add	*39.36*	
		For Gate With Double Barb Wire Arm, Add	*57.26*	
32 31 13 13-0494	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	487.46	28.25
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.49*	
		For 1" Mesh Fabric, Add	*175.13*	
		For 1-1/4" Mesh Fabric, Add	*112.73*	
		For 1-3/4" Mesh Fabric, Add	*70.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.03*	
		For Gate With Single Barb Wire Arm, Add	*44.29*	
		For Gate With Double Barb Wire Arm, Add	*64.42*	
32 31 13 13-0495	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	546.15	32.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.87*	
		For 1" Mesh Fabric, Add	*194.59*	
		For 1-1/4" Mesh Fabric, Add	*125.25*	
		For 1-3/4" Mesh Fabric, Add	*77.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.92*	
		For Gate With Single Barb Wire Arm, Add	*49.21*	
		For Gate With Double Barb Wire Arm, Add	*71.57*	
32 31 13 13-0496	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	605.39	37.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.26*	
		For 1" Mesh Fabric, Add	*214.05*	
		For 1-1/4" Mesh Fabric, Add	*137.78*	
		For 1-3/4" Mesh Fabric, Add	*85.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.81*	
		For Gate With Single Barb Wire Arm, Add	*54.13*	
		For Gate With Double Barb Wire Arm, Add	*78.73*	
32 31 13 13-0497	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	664.64	42.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.65*	
		For 1" Mesh Fabric, Add	*233.51*	
		For 1-1/4" Mesh Fabric, Add	*150.30*	
		For 1-3/4" Mesh Fabric, Add	*93.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.70*	
		For Gate With Single Barb Wire Arm, Add	*59.05*	
		For Gate With Double Barb Wire Arm, Add	*85.89*	
32 31 13 13-0498	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	961.10	51.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.25*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For Gate With Single Barb Wire Arm, Add	*88.57*	
		For Gate With Double Barb Wire Arm, Add	*128.83*	
32 31 13 13-0499	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,134.13	55.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.17*	
		For 1" Mesh Fabric, Add	*420.31*	
		For 1-1/4" Mesh Fabric, Add	*270.54*	
		For 1-3/4" Mesh Fabric, Add	*168.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.06*	
		For Gate With Single Barb Wire Arm, Add	*106.28*	
		For Gate With Double Barb Wire Arm, Add	*154.60*	
32 31 13 13-0500	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,309.17	60.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-211.36*	
		For 1" Mesh Fabric, Add	*490.36*	
		For 1-1/4" Mesh Fabric, Add	*315.63*	
		For 1-3/4" Mesh Fabric, Add	*196.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.07*	
		For Gate With Single Barb Wire Arm, Add	*124.00*	
		For Gate With Double Barb Wire Arm, Add	*180.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0501	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,486.73	66.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.55*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.72*	
		For 1-3/4" Mesh Fabric, Add	*224.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For Gate With Single Barb Wire Arm, Add	*141.71*	
		For Gate With Double Barb Wire Arm, Add	*206.13*	
32 31 13 13-0502	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,667.62	72.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-271.75*	
		For 1" Mesh Fabric, Add	*630.46*	
		For 1-1/4" Mesh Fabric, Add	*405.81*	
		For 1-3/4" Mesh Fabric, Add	*252.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.09*	
		For Gate With Single Barb Wire Arm, Add	*159.43*	
		For Gate With Double Barb Wire Arm, Add	*231.89*	
32 31 13 13-0503	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,852.91	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.94*	
		For 1" Mesh Fabric, Add	*700.51*	
		For 1-1/4" Mesh Fabric, Add	*450.90*	
		For 1-3/4" Mesh Fabric, Add	*280.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.10*	
		For Gate With Single Barb Wire Arm, Add	*177.14*	
		For Gate With Double Barb Wire Arm, Add	*257.66*	
32 31 13 13-0504	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,044.26	90.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.14*	
		For 1" Mesh Fabric, Add	*770.56*	
		For 1-1/4" Mesh Fabric, Add	*495.99*	
		For 1-3/4" Mesh Fabric, Add	*308.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.11*	
		For Gate With Single Barb Wire Arm, Add	*194.85*	
		For Gate With Double Barb Wire Arm, Add	*283.42*	
32 31 13 13-0505	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,244.28	103.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.33*	
		For 1" Mesh Fabric, Add	*840.61*	
		For 1-1/4" Mesh Fabric, Add	*541.08*	
		For 1-3/4" Mesh Fabric, Add	*336.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.12*	
		For Gate With Single Barb Wire Arm, Add	*212.57*	
		For Gate With Double Barb Wire Arm, Add	*309.19*	
32 31 13 13-0506	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,457.29	121.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-392.53*	
		For 1" Mesh Fabric, Add	*910.66*	
		For 1-1/4" Mesh Fabric, Add	*586.17*	
		For 1-3/4" Mesh Fabric, Add	*364.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-182.13*	
		For Gate With Single Barb Wire Arm, Add	*230.28*	
		For Gate With Double Barb Wire Arm, Add	*334.96*	
32 31 13 13-0507	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,691.08	145.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-422.72*	
		For 1" Mesh Fabric, Add	*980.71*	
		For 1-1/4" Mesh Fabric, Add	*631.26*	
		For 1-3/4" Mesh Fabric, Add	*392.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.14*	
		For Gate With Single Barb Wire Arm, Add	*248.00*	
		For Gate With Double Barb Wire Arm, Add	*360.72*	
32 31 13 13-0508	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,961.27	181.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.76*	
		For 1-1/4" Mesh Fabric, Add	*676.35*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.15*	
		For Gate With Single Barb Wire Arm, Add	*265.71*	
		For Gate With Double Barb Wire Arm, Add	*386.49*	

32 31 13 13-0509 10' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0510	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	295.54	20.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.78*	
		For 1" Mesh Fabric, Add	*101.58*	
		For 1-1/4" Mesh Fabric, Add	*65.38*	
		For 1-3/4" Mesh Fabric, Add	*40.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.32*	
		For Gate With Single Barb Wire Arm, Add	*25.69*	
		For Gate With Double Barb Wire Arm, Add	*37.36*	
32 31 13 13-0511	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	373.38	20.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.38*	
		For 1" Mesh Fabric, Add	*135.44*	
		For 1-1/4" Mesh Fabric, Add	*87.18*	
		For 1-3/4" Mesh Fabric, Add	*54.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.09*	
		For Gate With Single Barb Wire Arm, Add	*34.25*	
		For Gate With Double Barb Wire Arm, Add	*49.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0512	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	428.00	21.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.11*	
		For 1" Mesh Fabric, Add	*158.01*	
		For 1-1/4" Mesh Fabric, Add	*101.71*	
		For 1-3/4" Mesh Fabric, Add	*63.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.60*	
		For Gate With Single Barb Wire Arm, Add	*39.96*	
		For Gate With Double Barb Wire Arm, Add	*58.12*	
32 31 13 13-0513	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	495.52	26.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.84*	
		For 1" Mesh Fabric, Add	*180.59*	
		For 1-1/4" Mesh Fabric, Add	*116.24*	
		For 1-3/4" Mesh Fabric, Add	*72.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.12*	
		For Gate With Single Barb Wire Arm, Add	*45.67*	
		For Gate With Double Barb Wire Arm, Add	*66.42*	
32 31 13 13-0514	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	562.50	31.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.57*	
		For 1" Mesh Fabric, Add	*203.16*	
		For 1-1/4" Mesh Fabric, Add	*130.77*	
		For 1-3/4" Mesh Fabric, Add	*81.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.63*	
		For Gate With Single Barb Wire Arm, Add	*51.37*	
		For Gate With Double Barb Wire Arm, Add	*74.72*	
32 31 13 13-0515	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	630.02	37.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.30*	
		For 1" Mesh Fabric, Add	*225.73*	
		For 1-1/4" Mesh Fabric, Add	*145.30*	
		For 1-3/4" Mesh Fabric, Add	*90.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.15*	
		For Gate With Single Barb Wire Arm, Add	*57.08*	
		For Gate With Double Barb Wire Arm, Add	*83.03*	
32 31 13 13-0516	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	696.98	42.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.03*	
		For 1" Mesh Fabric, Add	*248.31*	
		For 1-1/4" Mesh Fabric, Add	*159.83*	
		For 1-3/4" Mesh Fabric, Add	*99.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.66*	
		For Gate With Single Barb Wire Arm, Add	*62.79*	
		For Gate With Double Barb Wire Arm, Add	*91.33*	
32 31 13 13-0517	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	764.51	47.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.76*	
		For 1" Mesh Fabric, Add	*270.88*	
		For 1-1/4" Mesh Fabric, Add	*174.36*	
		For 1-3/4" Mesh Fabric, Add	*108.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.18*	
		For Gate With Single Barb Wire Arm, Add	*68.50*	
		For Gate With Double Barb Wire Arm, Add	*99.63*	
32 31 13 13-0518	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,107.29	57.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.13*	
		For 1" Mesh Fabric, Add	*406.31*	
		For 1-1/4" Mesh Fabric, Add	*261.53*	
		For 1-3/4" Mesh Fabric, Add	*162.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.26*	
		For Gate With Single Barb Wire Arm, Add	*102.75*	
		For Gate With Double Barb Wire Arm, Add	*149.45*	
32 31 13 13-0519	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,307.38	62.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-210.16*	
		For 1" Mesh Fabric, Add	*487.58*	
		For 1-1/4" Mesh Fabric, Add	*313.84*	
		For 1-3/4" Mesh Fabric, Add	*195.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.52*	
		For Gate With Single Barb Wire Arm, Add	*123.30*	
		For Gate With Double Barb Wire Arm, Add	*179.34*	
32 31 13 13-0520	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,509.80	67.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.19*	
		For 1" Mesh Fabric, Add	*568.84*	
		For 1-1/4" Mesh Fabric, Add	*366.15*	
		For 1-3/4" Mesh Fabric, Add	*227.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.77*	
		For Gate With Single Barb Wire Arm, Add	*143.84*	
		For Gate With Double Barb Wire Arm, Add	*209.23*	
32 31 13 13-0521	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,714.88	73.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.22*	
		For 1" Mesh Fabric, Add	*650.10*	
		For 1-1/4" Mesh Fabric, Add	*418.45*	
		For 1-3/4" Mesh Fabric, Add	*260.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-130.02*	
		For Gate With Single Barb Wire Arm, Add	*164.39*	
		For Gate With Double Barb Wire Arm, Add	*239.12*	
32 31 13 13-0522	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,923.84	80.76
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-315.24*	
		For 1" Mesh Fabric, Add	*731.37*	
		For 1-1/4" Mesh Fabric, Add	*470.76*	
		For 1-3/4" Mesh Fabric, Add	*292.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.27*	
		For Gate With Single Barb Wire Arm, Add	*184.94*	
		For Gate With Double Barb Wire Arm, Add	*269.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0523	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,137.45	89.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.27*	
		For 1" Mesh Fabric, Add	*812.62*	
		For 1-1/4" Mesh Fabric, Add	*523.07*	
		For 1-3/4" Mesh Fabric, Add	*325.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.52*	
		For Gate With Single Barb Wire Arm, Add	*205.49*	
		For Gate With Double Barb Wire Arm, Add	*298.90*	
32 31 13 13-0524	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,358.09	100.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-385.30*	
		For 1" Mesh Fabric, Add	*893.89*	
		For 1-1/4" Mesh Fabric, Add	*575.37*	
		For 1-3/4" Mesh Fabric, Add	*357.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-178.78*	
		For Gate With Single Barb Wire Arm, Add	*226.04*	
		For Gate With Double Barb Wire Arm, Add	*328.79*	
32 31 13 13-0525	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,588.00	115.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.32*	
		For 1" Mesh Fabric, Add	*975.15*	
		For 1-1/4" Mesh Fabric, Add	*627.68*	
		For 1-3/4" Mesh Fabric, Add	*390.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.03*	
		For Gate With Single Barb Wire Arm, Add	*246.59*	
		For Gate With Double Barb Wire Arm, Add	*358.68*	
32 31 13 13-0526	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,832.78	134.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-455.35*	
		For 1" Mesh Fabric, Add	*1,056.41*	
		For 1-1/4" Mesh Fabric, Add	*679.99*	
		For 1-3/4" Mesh Fabric, Add	*422.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.28*	
		For Gate With Single Barb Wire Arm, Add	*267.14*	
		For Gate With Double Barb Wire Arm, Add	*388.57*	
32 31 13 13-0527	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,100.00	161.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-490.38*	
		For 1" Mesh Fabric, Add	*1,137.68*	
		For 1-1/4" Mesh Fabric, Add	*732.30*	
		For 1-3/4" Mesh Fabric, Add	*455.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-227.54*	
		For Gate With Single Barb Wire Arm, Add	*287.69*	
		For Gate With Double Barb Wire Arm, Add	*418.46*	
32 31 13 13-0528	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,408.52	201.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-525.41*	
		For 1" Mesh Fabric, Add	*1,218.94*	
		For 1-1/4" Mesh Fabric, Add	*784.60*	
		For 1-3/4" Mesh Fabric, Add	*487.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.79*	
		For Gate With Single Barb Wire Arm, Add	*308.24*	
		For Gate With Double Barb Wire Arm, Add	*448.35*	
32 31 13 13-0529		12' Fence Height *(32 31 13 13-0408)*		
32 31 13 13-0530	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	394.59	22.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.06*	
		For 1" Mesh Fabric, Add	*141.66*	
		For 1-1/4" Mesh Fabric, Add	*91.18*	
		For 1-3/4" Mesh Fabric, Add	*56.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.33*	
		For Gate With Single Barb Wire Arm, Add	*35.82*	
		For Gate With Double Barb Wire Arm, Add	*52.11*	
32 31 13 13-0531	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	502.84	22.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.36*	
		For 1" Mesh Fabric, Add	*188.75*	
		For 1-1/4" Mesh Fabric, Add	*121.49*	
		For 1-3/4" Mesh Fabric, Add	*75.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.75*	
		For Gate With Single Barb Wire Arm, Add	*47.73*	
		For Gate With Double Barb Wire Arm, Add	*69.43*	
32 31 13 13-0532	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	585.89	23.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.46*	
		For 1" Mesh Fabric, Add	*223.78*	
		For 1-1/4" Mesh Fabric, Add	*144.04*	
		For 1-3/4" Mesh Fabric, Add	*89.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.76*	
		For Gate With Single Barb Wire Arm, Add	*56.59*	
		For Gate With Double Barb Wire Arm, Add	*82.31*	
32 31 13 13-0533	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	670.30	29.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.04*	
		For 1" Mesh Fabric, Add	*252.97*	
		For 1-1/4" Mesh Fabric, Add	*162.83*	
		For 1-3/4" Mesh Fabric, Add	*101.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.59*	
		For Gate With Single Barb Wire Arm, Add	*63.97*	
		For Gate With Double Barb Wire Arm, Add	*93.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0534	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	762.16	35.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.02*	
		For 1" Mesh Fabric, Add	*285.39*	
		For 1-1/4" Mesh Fabric, Add	*183.70*	
		For 1-3/4" Mesh Fabric, Add	*114.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.08*	
		For Gate With Single Barb Wire Arm, Add	*72.17*	
		For Gate With Double Barb Wire Arm, Add	*104.97*	
32 31 13 13-0535	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	853.46	40.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.00*	
		For 1" Mesh Fabric, Add	*317.83*	
		For 1-1/4" Mesh Fabric, Add	*204.58*	
		For 1-3/4" Mesh Fabric, Add	*127.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-63.57*	
		For Gate With Single Barb Wire Arm, Add	*80.37*	
		For Gate With Double Barb Wire Arm, Add	*116.90*	
32 31 13 13-0536	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	945.32	46.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.26*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For Gate With Single Barb Wire Arm, Add	*88.57*	
		For Gate With Double Barb Wire Arm, Add	*128.83*	
32 31 13 13-0537	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,029.73	52.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.55*	
		For 1" Mesh Fabric, Add	*379.45*	
		For 1-1/4" Mesh Fabric, Add	*244.24*	
		For 1-3/4" Mesh Fabric, Add	*151.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.89*	
		For Gate With Single Barb Wire Arm, Add	*95.95*	
		For Gate With Double Barb Wire Arm, Add	*139.57*	
32 31 13 13-0538	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,500.42	64.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.25*	
		For 1" Mesh Fabric, Add	*568.98*	
		For 1-1/4" Mesh Fabric, Add	*366.24*	
		For 1-3/4" Mesh Fabric, Add	*227.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.80*	
		For Gate With Single Barb Wire Arm, Add	*143.88*	
		For Gate With Double Barb Wire Arm, Add	*209.28*	
32 31 13 13-0539	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,819.36	69.03
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-302.28*	
		For 1" Mesh Fabric, Add	*701.30*	
		For 1-1/4" Mesh Fabric, Add	*451.41*	
		For 1-3/4" Mesh Fabric, Add	*280.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.26*	
		For Gate With Single Barb Wire Arm, Add	*177.34*	
		For Gate With Double Barb Wire Arm, Add	*257.95*	
32 31 13 13-0540	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,106.94	74.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.94*	
		For 1" Mesh Fabric, Add	*818.83*	
		For 1-1/4" Mesh Fabric, Add	*527.06*	
		For 1-3/4" Mesh Fabric, Add	*327.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.77*	
		For Gate With Single Barb Wire Arm, Add	*207.06*	
		For Gate With Double Barb Wire Arm, Add	*301.18*	
32 31 13 13-0541	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,395.70	81.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.27*	
		For 1" Mesh Fabric, Add	*935.58*	
		For 1-1/4" Mesh Fabric, Add	*602.21*	
		For 1-3/4" Mesh Fabric, Add	*374.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.12*	
		For Gate With Single Barb Wire Arm, Add	*236.58*	
		For Gate With Double Barb Wire Arm, Add	*344.12*	
32 31 13 13-0542	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,685.07	89.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.78*	
		For 1-1/4" Mesh Fabric, Add	*676.36*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.16*	
		For Gate With Single Barb Wire Arm, Add	*265.71*	
		For Gate With Double Barb Wire Arm, Add	*386.49*	
32 31 13 13-0543	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,983.17	99.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-503.25*	
		For 1" Mesh Fabric, Add	*1,167.53*	
		For 1-1/4" Mesh Fabric, Add	*751.51*	
		For 1-3/4" Mesh Fabric, Add	*467.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.51*	
		For Gate With Single Barb Wire Arm, Add	*295.24*	
		For Gate With Double Barb Wire Arm, Add	*429.44*	
32 31 13 13-0544	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,289.24	112.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-553.57*	
		For 1" Mesh Fabric, Add	*1,284.29*	
		For 1-1/4" Mesh Fabric, Add	*826.67*	
		For 1-3/4" Mesh Fabric, Add	*513.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.86*	
		For Gate With Single Barb Wire Arm, Add	*324.76*	
		For Gate With Double Barb Wire Arm, Add	*472.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0545	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,605.53	128.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-603.90*	
		For 1" Mesh Fabric, Add	*1,401.04*	
		For 1-1/4" Mesh Fabric, Add	*901.82*	
		For 1-3/4" Mesh Fabric, Add	*560.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.21*	
		For Gate With Single Barb Wire Arm, Add	*354.29*	
		For Gate With Double Barb Wire Arm, Add	*515.32*	
32 31 13 13-0546	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,947.27	149.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.90*	
		For 1" Mesh Fabric, Add	*1,521.68*	
		For 1-1/4" Mesh Fabric, Add	*979.47*	
		For 1-3/4" Mesh Fabric, Add	*608.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.34*	
		For Gate With Single Barb Wire Arm, Add	*384.79*	
		For Gate With Double Barb Wire Arm, Add	*559.70*	
32 31 13 13-0547	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,305.02	179.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.22*	
		For 1" Mesh Fabric, Add	*1,638.44*	
		For 1-1/4" Mesh Fabric, Add	*1,054.63*	
		For 1-3/4" Mesh Fabric, Add	*655.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.69*	
		For Gate With Single Barb Wire Arm, Add	*414.32*	
		For Gate With Double Barb Wire Arm, Add	*602.64*	
32 31 13 13-0548	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,708.65	224.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-756.55*	
		For 1" Mesh Fabric, Add	*1,755.19*	
		For 1-1/4" Mesh Fabric, Add	*1,129.78*	
		For 1-3/4" Mesh Fabric, Add	*702.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.04*	
		For Gate With Single Barb Wire Arm, Add	*443.84*	
		For Gate With Double Barb Wire Arm, Add	*645.59*	

32 31 13 13-0549 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0266)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0635 for additonal gate accessories, 32 31 13 13-0708 for gate repacement parts.

32 31 13 13-0550 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0551	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,296.16	221.43
		For 1" Mesh Fabric, Add	*806.18*	
		For 1-1/4" Mesh Fabric, Add	*518.92*	
		For 1-3/4" Mesh Fabric, Add	*322.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.24*	
		For Gate With Barb Wire Arm, Add	*203.86*	
		For Vinyl Coated, Add	*555.98*	
32 31 13 13-0552	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,758.54	267.33
		For 1" Mesh Fabric, Add	*967.41*	
		For 1-1/4" Mesh Fabric, Add	*622.70*	
		For 1-3/4" Mesh Fabric, Add	*386.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-193.48*	
		For Gate With Barb Wire Arm, Add	*244.63*	
		For Vinyl Coated, Add	*667.18*	
32 31 13 13-0553	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,218.42	311.88
		For 1" Mesh Fabric, Add	*1,128.65*	
		For 1-1/4" Mesh Fabric, Add	*726.49*	
		For 1-3/4" Mesh Fabric, Add	*451.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.73*	
		For Gate With Barb Wire Arm, Add	*285.41*	
		For Vinyl Coated, Add	*778.38*	
32 31 13 13-0554	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,682.18	358.47
		For 1" Mesh Fabric, Add	*1,289.89*	
		For 1-1/4" Mesh Fabric, Add	*830.27*	
		For 1-3/4" Mesh Fabric, Add	*515.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.98*	
		For Gate With Barb Wire Arm, Add	*326.18*	
		For Vinyl Coated, Add	*889.58*	
32 31 13 13-0555	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,142.48	403.29
		For 1" Mesh Fabric, Add	*1,451.13*	
		For 1-1/4" Mesh Fabric, Add	*934.06*	
		For 1-3/4" Mesh Fabric, Add	*580.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-290.23*	
		For Gate With Barb Wire Arm, Add	*366.95*	
		For Vinyl Coated, Add	*1,000.78*	
32 31 13 13-0556	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,594.51	443.94
		For 1" Mesh Fabric, Add	*1,612.36*	
		For 1-1/4" Mesh Fabric, Add	*1,037.84*	
		For 1-3/4" Mesh Fabric, Add	*644.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-322.47*	
		For Gate With Barb Wire Arm, Add	*407.72*	
		For Vinyl Coated, Add	*1,111.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0557	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,484.45	534.60
		For 1" Mesh Fabric, Add	*1,920.63*	
		For 1-1/4" Mesh Fabric, Add	*1,236.27*	
		For 1-3/4" Mesh Fabric, Add	*768.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.13*	
		For Gate With Barb Wire Arm, Add	*485.68*	
		For Vinyl Coated, Add	*1,324.58*	
32 31 13 13-0558	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,578.05	1,009.10
		For 1" Mesh Fabric, Add	*2,418.54*	
		For 1-1/4" Mesh Fabric, Add	*1,556.76*	
		For 1-3/4" Mesh Fabric, Add	*967.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-483.71*	
		For Gate With Barb Wire Arm, Add	*611.58*	
		For Vinyl Coated, Add	*1,667.96*	
32 31 13 13-0559	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,104.08	1,345.47
		For 1" Mesh Fabric, Add	*3,224.72*	
		For 1-1/4" Mesh Fabric, Add	*2,075.68*	
		For 1-3/4" Mesh Fabric, Add	*1,289.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.94*	
		For Gate With Barb Wire Arm, Add	*815.45*	
		For Vinyl Coated, Add	*2,223.95*	
32 31 13 13-0560		**5' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0561	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,389.75	241.01
		For 1" Mesh Fabric, Add	*829.87*	
		For 1-1/4" Mesh Fabric, Add	*534.17*	
		For 1-3/4" Mesh Fabric, Add	*331.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.97*	
		For Gate With Barb Wire Arm, Add	*209.85*	
		For Vinyl Coated, Add	*572.33*	
32 31 13 13-0562	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,867.04	288.89
		For 1" Mesh Fabric, Add	*995.85*	
		For 1-1/4" Mesh Fabric, Add	*641.01*	
		For 1-3/4" Mesh Fabric, Add	*398.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.17*	
		For Gate With Barb Wire Arm, Add	*251.82*	
		For Vinyl Coated, Add	*686.79*	
32 31 13 13-0563	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,344.76	336.98
		For 1" Mesh Fabric, Add	*1,161.82*	
		For 1-1/4" Mesh Fabric, Add	*747.84*	
		For 1-3/4" Mesh Fabric, Add	*464.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.36*	
		For Gate With Barb Wire Arm, Add	*293.79*	
		For Vinyl Coated, Add	*801.26*	
32 31 13 13-0564	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,822.78	385.21
		For 1" Mesh Fabric, Add	*1,327.80*	
		For 1-1/4" Mesh Fabric, Add	*854.68*	
		For 1-3/4" Mesh Fabric, Add	*531.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.56*	
		For Gate With Barb Wire Arm, Add	*335.77*	
		For Vinyl Coated, Add	*915.73*	
32 31 13 13-0565	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,300.45	433.24
		For 1" Mesh Fabric, Add	*1,493.77*	
		For 1-1/4" Mesh Fabric, Add	*961.51*	
		For 1-3/4" Mesh Fabric, Add	*597.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.75*	
		For Gate With Barb Wire Arm, Add	*377.73*	
		For Vinyl Coated, Add	*1,030.19*	
32 31 13 13-0566	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,778.31	481.39
		For 1" Mesh Fabric, Add	*1,659.75*	
		For 1-1/4" Mesh Fabric, Add	*1,068.34*	
		For 1-3/4" Mesh Fabric, Add	*663.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-331.95*	
		For Gate With Barb Wire Arm, Add	*419.71*	
		For Vinyl Coated, Add	*1,144.65*	
32 31 13 13-0567	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,701.70	578.33
		For 1" Mesh Fabric, Add	*1,977.08*	
		For 1-1/4" Mesh Fabric, Add	*1,272.61*	
		For 1-3/4" Mesh Fabric, Add	*790.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-395.42*	
		For Gate With Barb Wire Arm, Add	*499.95*	
		For Vinyl Coated, Add	*1,363.51*	
32 31 13 13-0568	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,167.73	722.26
		For 1" Mesh Fabric, Add	*2,489.62*	
		For 1-1/4" Mesh Fabric, Add	*1,602.51*	
		For 1-3/4" Mesh Fabric, Add	*995.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-497.92*	
		For Gate With Barb Wire Arm, Add	*629.56*	
		For Vinyl Coated, Add	*1,716.98*	
32 31 13 13-0569	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,556.63	962.79
		For 1" Mesh Fabric, Add	*3,319.49*	
		For 1-1/4" Mesh Fabric, Add	*2,136.68*	
		For 1-3/4" Mesh Fabric, Add	*1,327.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-663.90*	
		For Gate With Barb Wire Arm, Add	*839.41*	
		For Vinyl Coated, Add	*2,289.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0570		**6' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0571	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,510.92	282.54
		For 1" Mesh Fabric, Add	*846.46*	
		For 1-1/4" Mesh Fabric, Add	*544.85*	
		For 1-3/4" Mesh Fabric, Add	*338.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.29*	
		For Gate With Barb Wire Arm, Add	*214.05*	
		For Vinyl Coated, Add	*583.76*	
32 31 13 13-0572	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,011.13	338.00
		For 1" Mesh Fabric, Add	*1,015.75*	
		For 1-1/4" Mesh Fabric, Add	*653.82*	
		For 1-3/4" Mesh Fabric, Add	*406.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.15*	
		For Gate With Barb Wire Arm, Add	*256.86*	
		For Vinyl Coated, Add	*700.52*	
32 31 13 13-0573	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,512.85	394.29
		For 1" Mesh Fabric, Add	*1,185.04*	
		For 1-1/4" Mesh Fabric, Add	*762.79*	
		For 1-3/4" Mesh Fabric, Add	*474.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.01*	
		For Gate With Barb Wire Arm, Add	*299.67*	
		For Vinyl Coated, Add	*817.27*	
32 31 13 13-0574	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,014.83	450.70
		For 1" Mesh Fabric, Add	*1,354.33*	
		For 1-1/4" Mesh Fabric, Add	*871.75*	
		For 1-3/4" Mesh Fabric, Add	*541.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.87*	
		For Gate With Barb Wire Arm, Add	*342.48*	
		For Vinyl Coated, Add	*934.02*	
32 31 13 13-0575	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,516.56	506.97
		For 1" Mesh Fabric, Add	*1,523.63*	
		For 1-1/4" Mesh Fabric, Add	*980.73*	
		For 1-3/4" Mesh Fabric, Add	*609.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.73*	
		For Gate With Barb Wire Arm, Add	*385.28*	
		For Vinyl Coated, Add	*1,050.78*	
32 31 13 13-0576	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,022.10	565.16
		For 1" Mesh Fabric, Add	*1,692.92*	
		For 1-1/4" Mesh Fabric, Add	*1,089.70*	
		For 1-3/4" Mesh Fabric, Add	*677.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-338.58*	
		For Gate With Barb Wire Arm, Add	*428.09*	
		For Vinyl Coated, Add	*1,167.53*	
32 31 13 13-0577	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,987.99	676.08
		For 1" Mesh Fabric, Add	*2,016.60*	
		For 1-1/4" Mesh Fabric, Add	*1,298.04*	
		For 1-3/4" Mesh Fabric, Add	*806.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-403.32*	
		For Gate With Barb Wire Arm, Add	*509.94*	
		For Vinyl Coated, Add	*1,390.76*	
32 31 13 13-0578	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,528.23	845.32
		For 1" Mesh Fabric, Add	*2,539.38*	
		For 1-1/4" Mesh Fabric, Add	*1,634.54*	
		For 1-3/4" Mesh Fabric, Add	*1,015.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-507.88*	
		For Gate With Barb Wire Arm, Add	*642.14*	
		For Vinyl Coated, Add	*1,751.30*	
32 31 13 13-0579	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,036.71	1,126.57
		For 1" Mesh Fabric, Add	*3,385.84*	
		For 1-1/4" Mesh Fabric, Add	*2,179.39*	
		For 1-3/4" Mesh Fabric, Add	*1,354.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-677.17*	
		For Gate With Barb Wire Arm, Add	*856.19*	
		For Vinyl Coated, Add	*2,335.06*	
32 31 13 13-0580		**7' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0581	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	2,652.44	315.15
		For 1" Mesh Fabric, Add	*879.63*	
		For 1-1/4" Mesh Fabric, Add	*566.20*	
		For 1-3/4" Mesh Fabric, Add	*351.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.93*	
		For Gate With Barb Wire Arm, Add	*222.44*	
		For Vinyl Coated, Add	*606.64*	
32 31 13 13-0582	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,182.49	377.92
		For 1" Mesh Fabric, Add	*1,055.59*	
		For 1-1/4" Mesh Fabric, Add	*679.46*	
		For 1-3/4" Mesh Fabric, Add	*422.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.12*	
		For Gate With Barb Wire Arm, Add	*266.93*	
		For Vinyl Coated, Add	*727.99*	
32 31 13 13-0583	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,713.46	441.22
		For 1" Mesh Fabric, Add	*1,231.48*	
		For 1-1/4" Mesh Fabric, Add	*792.68*	
		For 1-3/4" Mesh Fabric, Add	*492.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.30*	
		For Gate With Barb Wire Arm, Add	*311.41*	
		For Vinyl Coated, Add	*849.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0584	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,243.40	503.97
		For 1" Mesh Fabric, Add	*1,407.41*	
		For 1-1/4" Mesh Fabric, Add	*905.92*	
		For 1-3/4" Mesh Fabric, Add	*562.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-281.48*	
		For Gate With Barb Wire Arm, Add	*355.90*	
		For Vinyl Coated, Add	*970.63*	
32 31 13 13-0585	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,773.93	567.07
		For 1" Mesh Fabric, Add	*1,583.33*	
		For 1-1/4" Mesh Fabric, Add	*1,019.16*	
		For 1-3/4" Mesh Fabric, Add	*633.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-316.67*	
		For Gate With Barb Wire Arm, Add	*400.38*	
		For Vinyl Coated, Add	*1,091.96*	
32 31 13 13-0586	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,304.02	629.90
		For 1" Mesh Fabric, Add	*1,759.26*	
		For 1-1/4" Mesh Fabric, Add	*1,132.40*	
		For 1-3/4" Mesh Fabric, Add	*703.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.85*	
		For Gate With Barb Wire Arm, Add	*444.87*	
		For Vinyl Coated, Add	*1,213.28*	
32 31 13 13-0587	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,329.22	755.82
		For 1" Mesh Fabric, Add	*2,095.63*	
		For 1-1/4" Mesh Fabric, Add	*1,348.91*	
		For 1-3/4" Mesh Fabric, Add	*838.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.13*	
		For Gate With Barb Wire Arm, Add	*529.93*	
		For Vinyl Coated, Add	*1,445.26*	
32 31 13 13-0588	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,956.03	944.78
		For 1" Mesh Fabric, Add	*2,638.89*	
		For 1-1/4" Mesh Fabric, Add	*1,698.59*	
		For 1-3/4" Mesh Fabric, Add	*1,055.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-527.78*	
		For Gate With Barb Wire Arm, Add	*667.31*	
		For Vinyl Coated, Add	*1,819.92*	
32 31 13 13-0589	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	10,608.03	1,259.73
		For 1" Mesh Fabric, Add	*3,518.52*	
		For 1-1/4" Mesh Fabric, Add	*2,264.79*	
		For 1-3/4" Mesh Fabric, Add	*1,407.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-703.70*	
		For Gate With Barb Wire Arm, Add	*889.74*	
		For Vinyl Coated, Add	*2,426.57*	

32 31 13 13-0590 8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0591	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	2,764.89	341.41
		For 1" Mesh Fabric, Add	*905.70*	
		For 1-1/4" Mesh Fabric, Add	*582.98*	
		For 1-3/4" Mesh Fabric, Add	*362.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.14*	
		For Gate With Barb Wire Arm, Add	*229.03*	
		For Vinyl Coated, Add	*624.62*	
32 31 13 13-0592	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,315.91	408.75
		For 1" Mesh Fabric, Add	*1,086.83*	
		For 1-1/4" Mesh Fabric, Add	*699.57*	
		For 1-3/4" Mesh Fabric, Add	*434.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.37*	
		For Gate With Barb Wire Arm, Add	*274.83*	
		For Vinyl Coated, Add	*749.54*	
32 31 13 13-0593	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,868.59	476.89
		For 1" Mesh Fabric, Add	*1,267.97*	
		For 1-1/4" Mesh Fabric, Add	*816.16*	
		For 1-3/4" Mesh Fabric, Add	*507.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-253.59*	
		For Gate With Barb Wire Arm, Add	*320.64*	
		For Vinyl Coated, Add	*874.46*	
32 31 13 13-0594	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,421.41	545.03
		For 1" Mesh Fabric, Add	*1,449.11*	
		For 1-1/4" Mesh Fabric, Add	*932.76*	
		For 1-3/4" Mesh Fabric, Add	*579.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-289.82*	
		For Gate With Barb Wire Arm, Add	*366.44*	
		For Vinyl Coated, Add	*999.38*	
32 31 13 13-0595	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,973.47	612.91
		For 1" Mesh Fabric, Add	*1,630.25*	
		For 1-1/4" Mesh Fabric, Add	*1,049.35*	
		For 1-3/4" Mesh Fabric, Add	*652.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.05*	
		For Gate With Barb Wire Arm, Add	*412.25*	
		For Vinyl Coated, Add	*1,124.31*	
32 31 13 13-0596	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,526.36	681.13
		For 1" Mesh Fabric, Add	*1,811.38*	
		For 1-1/4" Mesh Fabric, Add	*1,165.95*	
		For 1-3/4" Mesh Fabric, Add	*724.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.28*	
		For Gate With Barb Wire Arm, Add	*458.05*	
		For Vinyl Coated, Add	*1,249.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0597	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,595.14	817.42
		For 1" Mesh Fabric, Add	*2,157.72*	
		For 1-1/4" Mesh Fabric, Add	*1,388.88*	
		For 1-3/4" Mesh Fabric, Add	*863.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-431.54*	
		For Gate With Barb Wire Arm, Add	*545.63*	
		For Vinyl Coated, Add	*1,488.08*	
32 31 13 13-0598	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,290.05	1,021.93
		For 1" Mesh Fabric, Add	*2,717.08*	
		For 1-1/4" Mesh Fabric, Add	*1,748.92*	
		For 1-3/4" Mesh Fabric, Add	*1,086.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-543.42*	
		For Gate With Barb Wire Arm, Add	*687.08*	
		For Vinyl Coated, Add	*1,873.85*	
32 31 13 13-0599	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,051.36	1,361.57
		For 1" Mesh Fabric, Add	*3,622.77*	
		For 1-1/4" Mesh Fabric, Add	*2,331.90*	
		For 1-3/4" Mesh Fabric, Add	*1,449.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-724.55*	
		For Gate With Barb Wire Arm, Add	*916.10*	
		For Vinyl Coated, Add	*2,498.46*	

32 31 13 13-0600 9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0601	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	2,897.77	372.46
		For 1" Mesh Fabric, Add	*936.49*	
		For 1-1/4" Mesh Fabric, Add	*602.80*	
		For 1-3/4" Mesh Fabric, Add	*374.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.30*	
		For Gate With Barb Wire Arm, Add	*236.81*	
		For Vinyl Coated, Add	*645.86*	
32 31 13 13-0602	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,474.55	445.58
		For 1" Mesh Fabric, Add	*1,123.79*	
		For 1-1/4" Mesh Fabric, Add	*723.36*	
		For 1-3/4" Mesh Fabric, Add	*449.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.76*	
		For Gate With Barb Wire Arm, Add	*284.18*	
		For Vinyl Coated, Add	*775.03*	
32 31 13 13-0603	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,053.47	519.73
		For 1" Mesh Fabric, Add	*1,311.09*	
		For 1-1/4" Mesh Fabric, Add	*843.92*	
		For 1-3/4" Mesh Fabric, Add	*524.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.22*	
		For Gate With Barb Wire Arm, Add	*331.54*	
		For Vinyl Coated, Add	*904.20*	
32 31 13 13-0604	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,632.99	594.22
		For 1" Mesh Fabric, Add	*1,498.39*	
		For 1-1/4" Mesh Fabric, Add	*964.48*	
		For 1-3/4" Mesh Fabric, Add	*599.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.68*	
		For Gate With Barb Wire Arm, Add	*378.90*	
		For Vinyl Coated, Add	*1,033.37*	
32 31 13 13-0605	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,212.05	668.44
		For 1" Mesh Fabric, Add	*1,685.69*	
		For 1-1/4" Mesh Fabric, Add	*1,085.04*	
		For 1-3/4" Mesh Fabric, Add	*674.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.14*	
		For Gate With Barb Wire Arm, Add	*426.27*	
		For Vinyl Coated, Add	*1,162.55*	
32 31 13 13-0606	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,791.09	742.66
		For 1" Mesh Fabric, Add	*1,872.99*	
		For 1-1/4" Mesh Fabric, Add	*1,205.60*	
		For 1-3/4" Mesh Fabric, Add	*749.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-374.60*	
		For Gate With Barb Wire Arm, Add	*473.63*	
		For Vinyl Coated, Add	*1,291.72*	
32 31 13 13-0607	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,911.19	891.09
		For 1" Mesh Fabric, Add	*2,231.10*	
		For 1-1/4" Mesh Fabric, Add	*1,436.11*	
		For 1-3/4" Mesh Fabric, Add	*892.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-446.22*	
		For Gate With Barb Wire Arm, Add	*564.19*	
		For Vinyl Coated, Add	*1,538.69*	
32 31 13 13-0608	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,686.00	1,113.74
		For 1" Mesh Fabric, Add	*2,809.48*	
		For 1-1/4" Mesh Fabric, Add	*1,808.40*	
		For 1-3/4" Mesh Fabric, Add	*1,123.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-561.90*	
		For Gate With Barb Wire Arm, Add	*710.44*	
		For Vinyl Coated, Add	*1,937.57*	
32 31 13 13-0609	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	11,583.79	1,486.20
		For 1" Mesh Fabric, Add	*3,745.99*	
		For 1-1/4" Mesh Fabric, Add	*2,411.21*	
		For 1-3/4" Mesh Fabric, Add	*1,498.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-749.20*	
		For Gate With Barb Wire Arm, Add	*947.26*	
		For Vinyl Coated, Add	*2,583.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0610		**10' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0611	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,064.86	409.70
		For 1" Mesh Fabric, Add	*976.78*	
		For 1-1/4" Mesh Fabric, Add	*628.73*	
		For 1-3/4" Mesh Fabric, Add	*390.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.36*	
		For Gate With Barb Wire Arm, Add	*247.00*	
		For Vinyl Coated, Add	*673.64*	
32 31 13 13-0612	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,677.83	491.62
		For 1" Mesh Fabric, Add	*1,172.13*	
		For 1-1/4" Mesh Fabric, Add	*754.47*	
		For 1-3/4" Mesh Fabric, Add	*468.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-234.43*	
		For Gate With Barb Wire Arm, Add	*296.40*	
		For Vinyl Coated, Add	*808.37*	
32 31 13 13-0613	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,291.08	573.69
		For 1" Mesh Fabric, Add	*1,367.49*	
		For 1-1/4" Mesh Fabric, Add	*880.22*	
		For 1-3/4" Mesh Fabric, Add	*547.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-273.50*	
		For Gate With Barb Wire Arm, Add	*345.80*	
		For Vinyl Coated, Add	*943.10*	
32 31 13 13-0614	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,903.94	655.62
		For 1" Mesh Fabric, Add	*1,562.84*	
		For 1-1/4" Mesh Fabric, Add	*1,005.97*	
		For 1-3/4" Mesh Fabric, Add	*625.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.57*	
		For Gate With Barb Wire Arm, Add	*395.20*	
		For Vinyl Coated, Add	*1,077.82*	
32 31 13 13-0615	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,516.74	737.47
		For 1" Mesh Fabric, Add	*1,758.19*	
		For 1-1/4" Mesh Fabric, Add	*1,131.71*	
		For 1-3/4" Mesh Fabric, Add	*703.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.64*	
		For Gate With Barb Wire Arm, Add	*444.60*	
		For Vinyl Coated, Add	*1,212.55*	
32 31 13 13-0616	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,129.71	819.40
		For 1" Mesh Fabric, Add	*1,953.55*	
		For 1-1/4" Mesh Fabric, Add	*1,257.45*	
		For 1-3/4" Mesh Fabric, Add	*781.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.71*	
		For Gate With Barb Wire Arm, Add	*494.00*	
		For Vinyl Coated, Add	*1,347.27*	
32 31 13 13-0617	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,316.83	983.66
		For 1" Mesh Fabric, Add	*2,327.06*	
		For 1-1/4" Mesh Fabric, Add	*1,497.88*	
		For 1-3/4" Mesh Fabric, Add	*930.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-465.41*	
		For Gate With Barb Wire Arm, Add	*588.45*	
		For Vinyl Coated, Add	*1,604.87*	
32 31 13 13-0618	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	9,194.56	1,229.10
		For 1" Mesh Fabric, Add	*2,930.32*	
		For 1-1/4" Mesh Fabric, Add	*1,886.18*	
		For 1-3/4" Mesh Fabric, Add	*1,172.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-586.06*	
		For Gate With Barb Wire Arm, Add	*741.00*	
		For Vinyl Coated, Add	*2,020.91*	
32 31 13 13-0619	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	12,257.47	1,637.84
		For 1" Mesh Fabric, Add	*3,907.10*	
		For 1-1/4" Mesh Fabric, Add	*2,514.92*	
		For 1-3/4" Mesh Fabric, Add	*1,562.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-781.42*	
		For Gate With Barb Wire Arm, Add	*988.00*	
		For Vinyl Coated, Add	*2,694.55*	
32 31 13 13-0620		**Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller** *(32 31 13 13-0266)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0621	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	7,114.72	272.86
		For 1" Mesh Fabric, Add	*2,857.52*	
		For 1-1/4" Mesh Fabric, Add	*1,839.32*	
		For 1-3/4" Mesh Fabric, Add	*1,143.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-571.50*	
		For Gate With Single Barb Wire Arm, Add	*722.59*	
		For Gate With Double Barb Wire Arm, Add	*1,051.04*	
		For Aluminized Steel Gate And Post, Add	*3,153.12*	
		For Powder Coated Gate And Post, Add	*1,379.49*	
		For Vinyl Coated, Add	*1,970.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0622	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	7,698.32	341.08
		For 1" Mesh Fabric, Add	*3,052.03*	
		For 1-1/4" Mesh Fabric, Add	*1,964.53*	
		For 1-3/4" Mesh Fabric, Add	*1,220.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-610.41*	
		For Gate With Single Barb Wire Arm, Add	*771.78*	
		For Gate With Double Barb Wire Arm, Add	*1,122.59*	
		For Aluminized Steel Gate And Post, Add	*3,367.76*	
		For Powder Coated Gate And Post, Add	*1,473.40*	
		For Vinyl Coated, Add	*2,104.85*	
32 31 13 13-0623	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	8,288.07	409.29
		For 1" Mesh Fabric, Add	*3,249.23*	
		For 1-1/4" Mesh Fabric, Add	*2,091.46*	
		For 1-3/4" Mesh Fabric, Add	*1,299.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-649.85*	
		For Gate With Single Barb Wire Arm, Add	*821.64*	
		For Gate With Double Barb Wire Arm, Add	*1,195.12*	
		For Aluminized Steel Gate And Post, Add	*3,585.36*	
		For Powder Coated Gate And Post, Add	*1,568.59*	
		For Vinyl Coated, Add	*2,240.85*	
32 31 13 13-0624	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	9,556.85	545.72
		For 1" Mesh Fabric, Add	*3,682.45*	
		For 1-1/4" Mesh Fabric, Add	*2,370.31*	
		For 1-3/4" Mesh Fabric, Add	*1,472.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-736.49*	
		For Gate With Single Barb Wire Arm, Add	*931.20*	
		For Gate With Double Barb Wire Arm, Add	*1,354.47*	
		For Aluminized Steel Gate And Post, Add	*4,063.40*	
		For Powder Coated Gate And Post, Add	*1,777.74*	
		For Vinyl Coated, Add	*2,539.62*	
32 31 13 13-0625	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	8,784.13	545.72
		For 1" Mesh Fabric, Add	*3,346.32*	
		For 1-1/4" Mesh Fabric, Add	*2,153.95*	
		For 1-3/4" Mesh Fabric, Add	*1,338.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.26*	
		For Gate With Single Barb Wire Arm, Add	*846.20*	
		For Gate With Double Barb Wire Arm, Add	*1,230.83*	
		For Aluminized Steel Gate And Post, Add	*3,692.49*	
		For Powder Coated Gate And Post, Add	*1,615.46*	
		For Vinyl Coated, Add	*2,307.81*	
32 31 13 13-0626	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	10,096.03	716.26
		For 1" Mesh Fabric, Add	*3,768.63*	
		For 1-1/4" Mesh Fabric, Add	*2,425.78*	
		For 1-3/4" Mesh Fabric, Add	*1,507.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-753.73*	
		For Gate With Single Barb Wire Arm, Add	*952.99*	
		For Gate With Double Barb Wire Arm, Add	*1,386.16*	
		For Aluminized Steel Gate And Post, Add	*4,158.48*	
		For Powder Coated Gate And Post, Add	*1,819.34*	
		For Vinyl Coated, Add	*2,599.05*	
32 31 13 13-0627	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	13,548.52	886.80
		For 1" Mesh Fabric, Add	*5,122.09*	
		For 1-1/4" Mesh Fabric, Add	*3,296.98*	
		For 1-3/4" Mesh Fabric, Add	*2,048.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,024.42*	
		For Gate With Single Barb Wire Arm, Add	*1,295.24*	
		For Gate With Double Barb Wire Arm, Add	*1,883.99*	
		For Aluminized Steel Gate And Post, Add	*5,651.97*	
		For Powder Coated Gate And Post, Add	*2,472.74*	
		For Vinyl Coated, Add	*3,532.48*	
32 31 13 13-0628	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	15,109.78	1,057.33
		For 1" Mesh Fabric, Add	*5,652.87*	
		For 1-1/4" Mesh Fabric, Add	*3,638.63*	
		For 1-3/4" Mesh Fabric, Add	*2,261.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,130.57*	
		For Gate With Single Barb Wire Arm, Add	*1,429.46*	
		For Gate With Double Barb Wire Arm, Add	*2,079.22*	
		For Aluminized Steel Gate And Post, Add	*6,237.65*	
		For Powder Coated Gate And Post, Add	*2,728.97*	
		For Vinyl Coated, Add	*3,898.53*	
32 31 13 13-0629	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	17,913.44	1,159.65
		For 1" Mesh Fabric, Add	*6,783.45*	
		For 1-1/4" Mesh Fabric, Add	*4,366.36*	
		For 1-3/4" Mesh Fabric, Add	*2,713.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,356.69*	
		For Gate With Single Barb Wire Arm, Add	*1,715.35*	
		For Gate With Double Barb Wire Arm, Add	*2,495.06*	
		For Aluminized Steel Gate And Post, Add	*7,485.18*	
		For Powder Coated Gate And Post, Add	*3,274.77*	
		For Vinyl Coated, Add	*4,678.24*	
32 31 13 13-0630	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	10,165.56	682.15
		For 1" Mesh Fabric, Add	*3,828.55*	
		For 1-1/4" Mesh Fabric, Add	*2,464.35*	
		For 1-3/4" Mesh Fabric, Add	*1,531.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-765.71*	
		For Gate With Single Barb Wire Arm, Add	*968.14*	
		For Gate With Double Barb Wire Arm, Add	*1,408.20*	
		For Aluminized Steel Gate And Post, Add	*4,224.60*	
		For Powder Coated Gate And Post, Add	*1,848.26*	
		For Vinyl Coated, Add	*2,640.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0631	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	11,752.13	920.90
		For 1" Mesh Fabric, Add	*4,310.99*	
		For 1-1/4" Mesh Fabric, Add	*2,774.89*	
		For 1-3/4" Mesh Fabric, Add	*1,724.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-862.20*	
		For Gate With Single Barb Wire Arm, Add	*1,090.14*	
		For Gate With Double Barb Wire Arm, Add	*1,585.65*	
		For Aluminized Steel Gate And Post, Add	*4,756.96*	
		For Powder Coated Gate And Post, Add	*2,081.17*	
		For Vinyl Coated, Add	*2,973.10*	
32 31 13 13-0632	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	15,788.79	1,159.65
		For 1" Mesh Fabric, Add	*5,859.22*	
		For 1-1/4" Mesh Fabric, Add	*3,771.45*	
		For 1-3/4" Mesh Fabric, Add	*2,343.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,171.84*	
		For Gate With Single Barb Wire Arm, Add	*1,481.64*	
		For Gate With Double Barb Wire Arm, Add	*2,155.12*	
		For Aluminized Steel Gate And Post, Add	*6,465.35*	
		For Powder Coated Gate And Post, Add	*2,828.59*	
		For Vinyl Coated, Add	*4,040.84*	
32 31 13 13-0633	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	17,592.15	1,364.30
		For 1" Mesh Fabric, Add	*6,465.64*	
		For 1-1/4" Mesh Fabric, Add	*4,161.79*	
		For 1-3/4" Mesh Fabric, Add	*2,586.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,293.13*	
		For Gate With Single Barb Wire Arm, Add	*1,634.99*	
		For Gate With Double Barb Wire Arm, Add	*2,378.17*	
		For Aluminized Steel Gate And Post, Add	*7,134.50*	
		For Powder Coated Gate And Post, Add	*3,121.35*	
		For Vinyl Coated, Add	*4,459.07*	
32 31 13 13-0634	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	20,837.72	1,500.73
		For 1" Mesh Fabric, Add	*7,758.77*	
		For 1-1/4" Mesh Fabric, Add	*4,994.15*	
		For 1-3/4" Mesh Fabric, Add	*3,103.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,551.75*	
		For Gate With Single Barb Wire Arm, Add	*1,961.99*	
		For Gate With Double Barb Wire Arm, Add	*2,853.80*	
		For Aluminized Steel Gate And Post, Add	*8,561.40*	
		For Powder Coated Gate And Post, Add	*3,745.61*	
		For Vinyl Coated, Add	*5,350.88*	

32 31 13 13-0635 Gate Accessories *(32 31 13 13-0266)*

32 31 13 13-0636	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	47.75	6.45
32 31 13 13-0637	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	58.26	6.45
32 31 13 13-0638	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	125.78	6.45
32 31 13 13-0639	EA	Gate Center Stop, Cast Steel, Ground	28.77	
32 31 13 13-0640	EA	Gate Latch, Malleable Galvanized Steel	44.03	
32 31 13 13-0641	EA	Gate Keeper, Full Length, Galvanized Steel	218.02	
32 31 13 13-0642	EA	Gate Keeper Hold-Open For Cantilever Gate	96.92	10.61
32 31 13 13-0643	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	52.84	
32 31 13 13-0644	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,109.14	
32 31 13 13-0645	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,185.85	
32 31 13 13-0646	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,262.56	
32 31 13 13-0647	LF	Aluminum V-Groove Gate Track	43.97	5.49
32 31 13 13-0648	LF	Galvanized Steel V-Groove Gate Track	28.21	5.49

32 31 13 13-0649 Vertical-Pivot Lift Gate *(32 31 13 13-0266)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0650	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	28,871.13	511.61
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0651	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	29,075.77	613.93
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0652	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	29,280.42	716.26
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0653	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	29,834.25	818.58
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0654	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	30,370.62	920.90
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0655	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	29,859.01	665.09
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0656	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	30,063.65	767.42
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0657	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	30,268.31	869.74
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0658	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	30,665.01	972.06
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0659	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	31,358.51	1,074.38
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

32 31 13 13-0660 Accessories *(32 31 13 13)*

32 31 13 13-0661 Barbed And Concertina Wire *(32 31 13 13-0660)*

32 31 13 13-0662 Single Strand Barbed Wire *(32 31 13 13-0661)*

32 31 13 13-0663	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	0.70	0.28
		For >500 To 2,000, Deduct	*-0.03*	
		For >2,000 To 5,000, Deduct	*-0.04*	
32 31 13 13-0664	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	0.75	0.28
		For >500 To 2,000, Deduct	*-0.03*	
		For >2,000 To 5,000, Deduct	*-0.05*	
32 31 13 13-0665	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	0.86	0.28
		For >500 To 2,000, Deduct	*-0.03*	
		For >2,000 To 5,000, Deduct	*-0.05*	
32 31 13 13-0666	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	13.14	4.46
32 31 13 13-0667	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	24.77	5.36
32 31 13 13-0668	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	9.11	4.46

32 31 13 13-0669 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0661)*

32 31 13 13-0670	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.97	0.39
		For >500 To 1,500, Deduct	*-0.40*	
		For >1,500 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.11*	
		For Ground Installation, Deduct	*-0.28*	
		For Double Coil (Helix), Add	*4.42*	
32 31 13 13-0671	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	7.52	0.39
		For >500 To 1,500, Deduct	*-0.61*	
		For >1,500 To 5,000, Deduct	*-1.21*	
		For >5,000, Deduct	*-1.67*	
		For Ground Installation, Deduct	*-0.42*	
		For Double Coil (Helix), Add	*6.69*	
32 31 13 13-0672	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	9.96	0.39
		For >500 To 1,500, Deduct	*-0.80*	
		For >1,500 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.22*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*8.84*	
32 31 13 13-0673	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.47	0.39
		For >500 To 1,500, Deduct	*-0.74*	
		For >1,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.02*	
		For Ground Installation, Deduct	*-0.31*	
		For Double Coil (Helix), Add	*8.85*	
32 31 13 13-0674	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.32	0.39
		For >500 To 1,500, Deduct	*-1.12*	
		For >1,500 To 5,000, Deduct	*-2.24*	
		For >5,000, Deduct	*-3.05*	
		For Ground Installation, Deduct	*-0.47*	
		For Double Coil (Helix), Add	*13.39*	
32 31 13 13-0675	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	18.92	0.39
		For >500 To 1,500, Deduct	*-1.48*	
		For >1,500 To 5,000, Deduct	*-2.96*	
		For >5,000, Deduct	*-4.03*	
		For Ground Installation, Deduct	*-0.62*	
		For Double Coil (Helix), Add	*17.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0676	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	33.67	0.39
		For >500 To 1,500, Deduct	*-2.56*	
		For >1,500 To 5,000, Deduct	*-5.12*	
		For >5,000, Deduct	*-6.87*	
		For Ground Installation, Deduct	*-0.35*	
		For Double Coil (Helix), Add	*32.98*	
32 31 13 13-0677	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.00	0.39
		For >500 To 1,500, Deduct	*-3.88*	
		For >1,500 To 5,000, Deduct	*-7.76*	
		For >5,000, Deduct	*-10.41*	
		For Ground Installation, Deduct	*-0.53*	
		For Double Coil (Helix), Add	*49.95*	
32 31 13 13-0678	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	67.35	0.39
		For >500 To 1,500, Deduct	*-5.12*	
		For >1,500 To 5,000, Deduct	*-10.24*	
		For >5,000, Deduct	*-13.75*	
		For Ground Installation, Deduct	*-0.70*	
		For Double Coil (Helix), Add	*65.96*	

32 31 13 13-0679 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0661)*

32 31 13 13-0680	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.51	0.39
		For >500 To 1,500, Deduct	*-0.82*	
		For >1,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-2.21*	
		For Ground Installation, Deduct	*-0.28*	
		For Double Coil (Helix), Add	*9.96*	
32 31 13 13-0681	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.92	0.39
		For >500 To 1,500, Deduct	*-1.24*	
		For >1,500 To 5,000, Deduct	*-2.47*	
		For >5,000, Deduct	*-3.35*	
		For Ground Installation, Deduct	*-0.42*	
		For Double Coil (Helix), Add	*15.09*	
32 31 13 13-0682	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	21.04	0.39
		For >500 To 1,500, Deduct	*-1.63*	
		For >1,500 To 5,000, Deduct	*-3.27*	
		For >5,000, Deduct	*-4.43*	
		For Ground Installation, Deduct	*-0.56*	
		For Double Coil (Helix), Add	*19.92*	
32 31 13 13-0683	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.17	0.39
		For >500 To 1,500, Deduct	*-1.09*	
		For >1,500 To 5,000, Deduct	*-2.19*	
		For >5,000, Deduct	*-2.96*	
		For Ground Installation, Deduct	*-0.31*	
		For Double Coil (Helix), Add	*13.55*	
32 31 13 13-0684	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	21.45	0.39
		For >500 To 1,500, Deduct	*-1.66*	
		For >1,500 To 5,000, Deduct	*-3.31*	
		For >5,000, Deduct	*-4.48*	
		For Ground Installation, Deduct	*-0.47*	
		For Double Coil (Helix), Add	*20.52*	
32 31 13 13-0685	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	28.33	0.39
		For >500 To 1,500, Deduct	*-2.19*	
		For >1,500 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-5.91*	
		For Ground Installation, Deduct	*-0.62*	
		For Double Coil (Helix), Add	*27.10*	
32 31 13 13-0686	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.46	0.39
		For >500 To 1,500, Deduct	*-3.89*	
		For >1,500 To 5,000, Deduct	*-7.79*	
		For >5,000, Deduct	*-10.43*	
		For Ground Installation, Deduct	*-0.35*	
		For Double Coil (Helix), Add	*50.77*	
32 31 13 13-0687	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	77.96	0.39
		For >500 To 1,500, Deduct	*-5.90*	
		For >1,500 To 5,000, Deduct	*-11.80*	
		For >5,000, Deduct	*-15.80*	
		For Ground Installation, Deduct	*-0.53*	
		For Double Coil (Helix), Add	*76.91*	
32 31 13 13-0688	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	102.93	0.39
		For >500 To 1,500, Deduct	*-7.79*	
		For >1,500 To 5,000, Deduct	*-15.58*	
		For >5,000, Deduct	*-20.87*	
		For Ground Installation, Deduct	*-0.70*	
		For Double Coil (Helix), Add	*101.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0689		**Grounding For Gates** *(32 31 13 13-0660)* Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0690	OPNG	Grounding For Gates Note: Per opening	284.91	
32 31 13 13-0691		**Coiled Spring Reinforcing Wire** *(32 31 13 13-0660)*		
32 31 13 13-0692		**Galvanized Steel** *(32 31 13 13-0691)*		
32 31 13 13-0693	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.78	0.28
32 31 13 13-0694		**Vinyl Coated Steel** *(32 31 13 13-0691)*		
32 31 13 13-0695	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	0.78	0.28
32 31 13 13-0696		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0660)* Note: Only where specified.		
32 31 13 13-0697	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	0.79	
32 31 13 13-0698	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	0.70	
32 31 13 13-0699		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0660)* Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0700	EA	Mounting Plate For 1-5/8" Diameter Post	39.08	
32 31 13 13-0701	EA	Mounting Plate For 2" Diameter Post	39.90	
32 31 13 13-0702	EA	Mounting Plate For 2-1/2" Diameter Post	40.80	
32 31 13 13-0703	EA	Mounting Plate For 3" Diameter Post	50.42	
32 31 13 13-0704	EA	Mounting Plate For 4" Diameter Post	58.78	
32 31 13 13-0705	EA	Mounting Plate For 6-5/8" Diameter Post	69.21	
32 31 13 13-0706	EA	Mounting Plate For 8-5/8" Diameter Post	82.62	
32 31 13 13-0707		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0708		**Fence And Gate Parts Replacement** *(32 31 13 13-0707)*		
32 31 13 13-0709	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	113.38	
32 31 13 13-0710	EA	Sliding Gate Roller Assembly Replacement	103.42	
32 31 13 13-0711	EA	Rod And Lock Gate Keeper Replacement	117.46	
32 31 13 13-0712	EA	Galvanized Gate Holdback Replacement	19.83	
32 31 13 13-0713	LF	3/8" Cross Bracing Rod Replacement	1.39	
32 31 13 13-0714	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.31	
32 31 13 13-0715	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	23.42	
32 31 13 13-0716	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	26.17	
32 31 13 13-0717	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	29.24	
32 31 13 13-0718	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	44.70	
32 31 13 13-0719	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	83.50	
32 31 13 13-0720	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	21.46	
32 31 13 13-0721	EA	3" x 2" Off Set Gate Hinge Replacement	22.29	
32 31 13 13-0722	EA	4" x 2" Off Set Gate Hinge Replacement	23.64	
32 31 13 13-0723	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	44.23	
32 31 13 13-0724	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	75.17	
32 31 13 13-0725	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	3.93	
32 31 13 13-0726	EA	2" Aluminum Die-Cast Post Cap Replacement	4.35	
32 31 13 13-0727	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	5.42	
32 31 13 13-0728	EA	3" Aluminum Die-Cast Post Cap Replacement	6.59	
32 31 13 13-0729	EA	2" Galvanized Post Cap Replacement	4.12	
32 31 13 13-0730	EA	2-1/2" Galvanized Post Cap Replacement	4.41	
32 31 13 13-0731	EA	3" Galvanized Post Cap Replacement	5.16	
32 31 13 13-0732	EA	4" Galvanized Post Cap Replacement	9.11	
32 31 13 13-0733	EA	6-5/8" Galvanized Post Cap Replacement	21.12	
32 31 13 13-0734	EA	8-5/8" Galvanized Post Cap Replacement	36.54	
32 31 13 13-0735	EA	1-5/8" Boulevard Clamp Replacement	6.33	
32 31 13 13-0736	EA	2" Boulevard Clamp Replacement	7.81	
32 31 13 13-0737	EA	2-1/2" Boulevard Clamp Replacement	9.15	
32 31 13 13-0738	EA	3" Boulevard Clamp Replacement	11.10	
32 31 13 13-0739	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	6.08	
32 31 13 13-0740	EA	2" Gate Brace Or End Rail Clamp Replacement	7.48	
32 31 13 13-0741	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	8.81	
32 31 13 13-0742	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	6.75	
32 31 13 13-0743	EA	3" Gate Brace Or End Rail Clamp Replacement	10.74	
32 31 13 13-0744	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	7.04	
32 31 13 13-0745	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	6.91	
32 31 13 13-0746	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	7.13	
32 31 13 13-0747	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	7.30	
32 31 13 13-0748	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	7.82	
32 31 13 13-0749	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.59	
32 31 13 13-0750	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	6.64	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0751		**Removal And Reinstallation Of Chain Link Fences** *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0752	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	11.17	
32 31 13 13-0753	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	16.74	
32 31 13 13-0754		**Ballfield Fencing** *(32 31 13 13)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0755		**Concrete Bases For Ballfield Poles, Cast In Place** *(32 31 13 13-0754)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0756	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	103.05	
32 31 13 13-0757	VLF	3' Diameter Concrete Base For Ballfield Poles	122.77	
32 31 13 13-0758	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	157.13	
32 31 13 13-0759	VLF	4' Diameter Concrete Base For Ballfield Poles	187.43	
32 31 13 13-0760		**Ballfield Poles** *(32 31 13 13-0754)*		
32 31 13 13-0761	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	7,732.27	312.00
32 31 13 13-0762	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	9,583.72	390.00
32 31 13 13-0763	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	10,961.74	468.00
32 31 13 13-0764	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	14,958.73	546.00
32 31 13 13-0765	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	20,333.99	624.00
32 31 13 13-0766	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	22,710.16	702.00
32 31 13 13-0767		**Ballfield Nylon Netting** *(32 31 13 13-0754)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0768	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.17	
32 31 13 13-0769	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.22	
32 31 13 13-0770	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.45	
32 31 13 13-0771	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.65	
32 31 13 13-0772	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.84	
32 31 13 13-0773	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.59	
32 31 13 13-0774	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.01	
32 31 13 13-0775	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.94	
32 31 13 13-0776		**Ballfield Chainlink Netting** *(32 31 13 13-0754)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0777	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	2.61	0.61
		For 13 Gauge Fabric, Deduct	*-0.63*	
		For 11 Gauge Fabric, Deduct	*-0.35*	
		For 6 Gauge Fabric, Add	*1.13*	
		For 1" Mesh Fabric, Add	*1.06*	
		For 1-3/4" Mesh Fabric, Add	*0.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.21*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.28*	
32 31 13 13-0778		**Ballfield Netting Accessories** *(32 31 13 13-0754)*		
32 31 13 13-0779	EA	Sliding Clip For Ballfield Netting	5.66	
32 31 13 13-0780	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	2.36	
32 31 13 13-0781	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	2.57	
32 31 13 13-0782	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	2.89	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	11,894.27	1,014.99
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	17,460.24	1,353.32
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	22,650.79	1,578.87
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	17,815.16	1,014.99
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	26,319.77	1,353.32
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	34,342.31	1,578.87
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	13.56	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	16.38	
32 31 13 33-0010		**Regulation Softball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0011		14' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	9,713.93	1,186.32
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	13,960.48	1,186.32
32 31 13 33-0014		18' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	11,492.44	1,318.87
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	16,629.40	1,318.87
32 31 13 33-0017		20' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	13,249.91	1,390.57
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	19,345.84	1,390.57
32 31 13 33-0020		22' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	15,521.96	1,432.52
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	22,850.70	1,432.52
32 31 13 33-0023		24' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	18,801.41	1,637.16
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	27,910.96	1,637.16
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	5.97	0.90
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	6.85	0.90
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	5.79	0.90
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	6.57	0.90
32 31 19		**Decorative Metal Fences and Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)* Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)* Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	48.57	6.14
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*8.15*	
		For Verticals Up To 2" On Center, Add	*11.61*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.26*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.90*	
		For Verticals >4" To 6" On Center, Deduct	*-3.27*	
		For Pickets Extending Above Top Rail, Add	*5.15*	
		For Curved Pickets Extending Above Top Rail, Add	*12.72*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	63.18	7.81
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.53*	
		For Verticals Up To 2" On Center, Add	*15.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.62*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.85*	
		For Verticals >4" To 6" On Center, Deduct	*-4.33*	
		For Pickets Extending Above Top Rail, Add	*6.77*	
		For Curved Pickets Extending Above Top Rail, Add	*16.76*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	77.06	8.15
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*12.71*	
		For Verticals Up To 2" On Center, Add	*19.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.13*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.85*	
		For Verticals >4" To 6" On Center, Deduct	*-5.46*	
		For Pickets Extending Above Top Rail, Add	*8.40*	
		For Curved Pickets Extending Above Top Rail, Add	*20.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0006	LF	6' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	93.54	9.83
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*15.41*	
		For Verticals Up To 2" On Center, Add	*23.63*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.77*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.91*	
		For Verticals >4" To 6" On Center, Deduct	*-6.65*	
		For Pickets Extending Above Top Rail, Add	*10.22*	
		For Curved Pickets Extending Above Top Rail, Add	*25.48*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	112.57	10.39
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*18.34*	
		For Verticals Up To 2" On Center, Add	*29.37*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.35*	
		For Verticals >2-1/2" To 3" On Center, Add	*7.34*	
		For Verticals >4" To 6" On Center, Deduct	*-8.26*	
		For Pickets Extending Above Top Rail, Add	*12.51*	
		For Curved Pickets Extending Above Top Rail, Add	*31.39*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	131.60	10.94
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*21.27*	
		For Verticals Up To 2" On Center, Add	*35.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*21.94*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.78*	
		For Verticals >4" To 6" On Center, Deduct	*-9.87*	
		For Pickets Extending Above Top Rail, Add	*14.81*	
		For Curved Pickets Extending Above Top Rail, Add	*37.30*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	162.76	12.28
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*26.13*	
		For Verticals Up To 2" On Center, Add	*44.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*27.64*	
		For Verticals >2-1/2" To 3" On Center, Add	*11.06*	
		For Verticals >4" To 6" On Center, Deduct	*-12.44*	
		For Pickets Extending Above Top Rail, Add	*18.50*	
		For Curved Pickets Extending Above Top Rail, Add	*46.75*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	193.85	13.96
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*31.03*	
		For Verticals Up To 2" On Center, Add	*53.10*	
		For Verticals >2" To 2-1/2" On Center, Add	*33.19*	
		For Verticals >2-1/2" To 3" On Center, Add	*13.27*	
		For Verticals >4" To 6" On Center, Deduct	*-14.93*	
		For Pickets Extending Above Top Rail, Add	*22.14*	
		For Curved Pickets Extending Above Top Rail, Add	*56.02*	

32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	60.62	7.48
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	79.63	9.27
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	98.41	11.17
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	120.04	13.40
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	168.50	14.85
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	207.85	16.41
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	246.37	18.65

32 31 19 00-0020 Double Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	74.82	6.70
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	98.81	8.37
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	121.69	10.05
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	148.19	12.06
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	208.72	13.40
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	257.77	14.74
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	305.87	16.74

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence *(32 31 19 00-0001)*

32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	13.68	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	21.77	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	44.66	

32 31 19 00-0032 Steel Tube Fence, Powder Coated *(32 31 19)*

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0033 Steel Tube Fence, With Two 1" Square, 16 Gauge Rails *(32 31 19 00-0032)*

Note: 6 foot long panel sections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0034	LF	3' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	72.80	6.14
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.08*	
		For Verticals >3" To 4" On Center, Deduct	*-6.08*	
		For Verticals >4" To 6" On Center, Deduct	*-12.15*	
		For Pickets Extending Above Top Rail, Add	*5.77*	
		For Curved Pickets Extending Above Top Rail, Add	*10.32*	
		For Solid Pickets, Add	*15.48*	
		For Aluminum With Satin Finish, Add	*16.42*	
		For Third Rail, Add	*4.56*	
		For 1" Square x 14 Gauge Pickets, Add	*15.19*	
		For 3" Square Posts, Add	*7.60*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	77.59	6.56
		For Verticals Up To 2" On Center, Add	*12.89*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.45*	
		For Verticals >3" To 4" On Center, Deduct	*-6.45*	
		For Verticals >4" To 6" On Center, Deduct	*-12.89*	
		For Pickets Extending Above Top Rail, Add	*6.14*	
		For Curved Pickets Extending Above Top Rail, Add	*10.98*	
		For Solid Pickets, Add	*16.47*	
		For Aluminum With Satin Finish, Add	*17.37*	
		For Third Rail, Add	*4.83*	
		For 1" Square x 14 Gauge Pickets, Add	*16.12*	
		For 3" Square Posts, Add	*8.06*	
32 31 19 00-0036	LF	4' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.72	7.26
		For Verticals Up To 2" On Center, Add	*13.50*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.75*	
		For Verticals >3" To 4" On Center, Deduct	*-6.75*	
		For Verticals >4" To 6" On Center, Deduct	*-13.50*	
		For Pickets Extending Above Top Rail, Add	*6.45*	
		For Curved Pickets Extending Above Top Rail, Add	*11.53*	
		For Solid Pickets, Add	*17.32*	
		For Aluminum With Satin Finish, Add	*18.11*	
		For Third Rail, Add	*5.06*	
		For 1" Square x 14 Gauge Pickets, Add	*16.87*	
		For 3" Square Posts, Add	*8.44*	
32 31 19 00-0037	LF	5' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	85.59	8.15
		For Verticals Up To 2" On Center, Add	*13.84*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.92*	
		For Verticals >3" To 4" On Center, Deduct	*-6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-13.84*	
		For Pickets Extending Above Top Rail, Add	*6.70*	
		For Curved Pickets Extending Above Top Rail, Add	*11.95*	
		For Solid Pickets, Add	*18.03*	
		For Aluminum With Satin Finish, Add	*18.29*	
		For Third Rail, Add	*5.19*	
		For 1" Square x 14 Gauge Pickets, Add	*17.30*	
		For 3" Square Posts, Add	*8.65*	
32 31 19 00-0038	LF	6' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	99.96	9.21
		For Verticals Up To 2" On Center, Add	*16.31*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.15*	
		For Verticals >3" To 4" On Center, Deduct	*-8.15*	
		For Verticals >4" To 6" On Center, Deduct	*-16.31*	
		For Pickets Extending Above Top Rail, Add	*7.85*	
		For Curved Pickets Extending Above Top Rail, Add	*14.02*	
		For Solid Pickets, Add	*21.11*	
		For Aluminum With Satin Finish, Add	*21.70*	
		For Third Rail, Add	*6.12*	
		For 1" Square x 14 Gauge Pickets, Add	*20.39*	
		For 3" Square Posts, Add	*10.19*	
32 31 19 00-0039	LF	7' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	115.62	10.05
		For Verticals Up To 2" On Center, Add	*19.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.55*	
		For Verticals >3" To 4" On Center, Deduct	*-9.55*	
		For Verticals >4" To 6" On Center, Deduct	*-19.11*	
		For Pickets Extending Above Top Rail, Add	*9.12*	
		For Curved Pickets Extending Above Top Rail, Add	*16.31*	
		For Solid Pickets, Add	*24.51*	
		For Aluminum With Satin Finish, Add	*25.65*	
		For Third Rail, Add	*7.16*	
		For 1" Square x 14 Gauge Pickets, Add	*23.88*	
		For 4" Square Posts, Add	*33.44*	
32 31 19 00-0040	LF	8' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	131.41	10.94
		For Verticals Up To 2" On Center, Add	*21.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.95*	
		For Verticals >3" To 4" On Center, Deduct	*-10.95*	
		For Verticals >4" To 6" On Center, Deduct	*-21.90*	
		For Pickets Extending Above Top Rail, Add	*10.40*	
		For Curved Pickets Extending Above Top Rail, Add	*18.62*	
		For Solid Pickets, Add	*27.93*	
		For Aluminum With Satin Finish, Add	*29.57*	
		For Third Rail, Add	*8.21*	
		For 1" Square x 14 Gauge Pickets, Add	*27.38*	
		For 4" Square Posts, Add	*38.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0041	LF	9' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	155.13	11.72
		For Verticals Up To 2" On Center, Add	*26.34*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.17*	
		For Verticals >3" To 4" On Center, Deduct	*-13.17*	
		For Verticals >4" To 6" On Center, Deduct	*-26.34*	
		For Pickets Extending Above Top Rail, Add	*12.37*	
		For Curved Pickets Extending Above Top Rail, Add	*22.17*	
		For Solid Pickets, Add	*33.15*	
		For Aluminum With Satin Finish, Add	*35.99*	
		For Third Rail, Add	*9.88*	
		For 1" Square x 14 Gauge Pickets, Add	*32.92*	
		For 4" Square Posts, Add	*46.09*	
32 31 19 00-0042	LF	10' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	178.99	12.56
		For Verticals Up To 2" On Center, Add	*30.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*15.39*	
		For Verticals >3" To 4" On Center, Deduct	*-15.39*	
		For Verticals >4" To 6" On Center, Deduct	*-30.77*	
		For Pickets Extending Above Top Rail, Add	*14.33*	
		For Curved Pickets Extending Above Top Rail, Add	*25.73*	
		For Solid Pickets, Add	*38.39*	
		For Aluminum With Satin Finish, Add	*42.39*	
		For Third Rail, Add	*11.54*	
		For 1" Square x 14 Gauge Pickets, Add	*38.47*	
		For 6" Square Posts, Add	*53.85*	
32 31 19 00-0043	LF	12' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	212.82	13.96
		For Verticals Up To 2" On Center, Add	*36.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.49*	
		For Verticals >3" To 4" On Center, Deduct	*-18.49*	
		For Verticals >4" To 6" On Center, Deduct	*-36.98*	
		For Pickets Extending Above Top Rail, Add	*17.11*	
		For Curved Pickets Extending Above Top Rail, Add	*30.75*	
		For Solid Pickets, Add	*45.79*	
		For Aluminum With Satin Finish, Add	*51.28*	
		For Third Rail, Add	*13.87*	
		For 1" Square x 14 Gauge Pickets, Add	*46.23*	
		For 6" Square Posts, Add	*64.72*	
32 31 19 00-0044	LF	14' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	227.68	15.07
		For Verticals Up To 2" On Center, Add	*39.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.75*	
		For Verticals >3" To 4" On Center, Deduct	*-19.75*	
		For Verticals >4" To 6" On Center, Deduct	*-39.51*	
		For Pickets Extending Above Top Rail, Add	*18.30*	
		For Curved Pickets Extending Above Top Rail, Add	*32.88*	
		For Solid Pickets, Add	*48.97*	
		For Aluminum With Satin Finish, Add	*54.74*	
		For Third Rail, Add	*14.81*	
		For 1" Square x 14 Gauge Pickets, Add	*49.38*	
		For 6" Square Posts, Add	*69.14*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	731.18	11.89
		For Solid Pickets, Add	*161.84*	
		For Aluminum With Satin Finish, Add	*203.28*	
		For Third Rail, Add	*52.16*	
		For 1" Square x 14 Gauge Pickets, Add	*69.55*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	815.78	12.45
		For Solid Pickets, Add	*180.75*	
		For Aluminum With Satin Finish, Add	*227.90*	
		For Third Rail, Add	*58.38*	
		For 1" Square x 14 Gauge Pickets, Add	*77.84*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	904.72	13.18
		For Solid Pickets, Add	*200.59*	
		For Aluminum With Satin Finish, Add	*253.58*	
		For Third Rail, Add	*64.88*	
		For 1" Square x 14 Gauge Pickets, Add	*86.51*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	950.85	14.12
		For Solid Pickets, Add	*210.76*	
		For Aluminum With Satin Finish, Add	*266.17*	
		For Third Rail, Add	*68.13*	
		For 1" Square x 14 Gauge Pickets, Add	*90.84*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,059.12	16.92
		For Solid Pickets, Add	*234.49*	
		For Aluminum With Satin Finish, Add	*294.87*	
		For Third Rail, Add	*75.62*	
		For 1" Square x 14 Gauge Pickets, Add	*100.83*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,122.15	19.70
		For Solid Pickets, Add	*248.05*	
		For Aluminum With Satin Finish, Add	*310.01*	
		For Third Rail, Add	*79.72*	
		For 1" Square x 14 Gauge Pickets, Add	*106.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,221.55	22.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*269.74*	
		For Aluminum With Satin Finish, Add	*335.82*	
		For Third Rail, Add	*86.51*	
		For 1" Square x 14 Gauge Pickets, Add	*115.34*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,307.20	25.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*288.38*	
		For Aluminum With Satin Finish, Add	*357.74*	
		For Third Rail, Add	*92.30*	
		For 1" Square x 14 Gauge Pickets, Add	*123.07*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,381.53	28.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*304.48*	
		For Aluminum With Satin Finish, Add	*376.27*	
		For Third Rail, Add	*97.25*	
		For 1" Square x 14 Gauge Pickets, Add	*129.67*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,531.91	23.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*339.32*	
		For Aluminum With Satin Finish, Add	*427.42*	
		For Third Rail, Add	*109.53*	
		For 1" Square x 14 Gauge Pickets, Add	*146.05*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,633.46	24.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*361.92*	
		For Aluminum With Satin Finish, Add	*456.37*	
		For Third Rail, Add	*116.90*	
		For 1" Square x 14 Gauge Pickets, Add	*155.87*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,809.42	26.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*401.17*	
		For Aluminum With Satin Finish, Add	*507.15*	
		For Third Rail, Add	*129.76*	
		For 1" Square x 14 Gauge Pickets, Add	*173.02*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,897.03	27.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*420.68*	
		For Aluminum With Satin Finish, Add	*532.18*	
		For Third Rail, Add	*136.12*	
		For 1" Square x 14 Gauge Pickets, Add	*181.50*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,967.68	28.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*436.36*	
		For Aluminum With Satin Finish, Add	*552.12*	
		For Third Rail, Add	*141.21*	
		For 1" Square x 14 Gauge Pickets, Add	*188.28*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,208.69	33.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*489.34*	
		For Aluminum With Satin Finish, Add	*616.89*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,413.91	39.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*534.25*	
		For Aluminum With Satin Finish, Add	*670.92*	
		For Third Rail, Add	*172.17*	
		For 1" Square x 14 Gauge Pickets, Add	*229.56*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	2,582.56	45.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*570.86*	
		For Aluminum With Satin Finish, Add	*713.47*	
		For Third Rail, Add	*183.48*	
		For 1" Square x 14 Gauge Pickets, Add	*244.63*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	2,721.81	50.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*600.94*	
		For Aluminum With Satin Finish, Add	*747.71*	
		For Third Rail, Add	*192.66*	
		For 1" Square x 14 Gauge Pickets, Add	*256.89*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	2,832.80	56.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*624.65*	
		For Aluminum With Satin Finish, Add	*773.47*	
		For Third Rail, Add	*199.73*	
		For 1" Square x 14 Gauge Pickets, Add	*266.31*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate	848.10	11.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*188.00*	
		For Aluminum With Satin Finish, Add	*237.47*	
		For Third Rail, Add	*60.78*	
		For 1" Square x 14 Gauge Pickets, Add	*81.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	919.22	13.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*203.89*	
		For Aluminum With Satin Finish, Add	*258.18*	
		For Third Rail, Add	*66.01*	
		For 1" Square x 14 Gauge Pickets, Add	*88.02*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate	991.76	13.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*220.01*	
		For Aluminum With Satin Finish, Add	*278.69*	
		For Third Rail, Add	*71.24*	
		For 1" Square x 14 Gauge Pickets, Add	*94.99*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate	1,051.09	14.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*233.15*	
		For Aluminum With Satin Finish, Add	*295.23*	
		For Third Rail, Add	*75.48*	
		For 1" Square x 14 Gauge Pickets, Add	*100.64*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate	1,127.87	17.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*249.75*	
		For Aluminum With Satin Finish, Add	*314.25*	
		For Third Rail, Add	*80.57*	
		For 1" Square x 14 Gauge Pickets, Add	*107.43*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate	1,234.81	20.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*273.14*	
		For Aluminum With Satin Finish, Add	*342.30*	
		For Third Rail, Add	*87.92*	
		For 1" Square x 14 Gauge Pickets, Add	*117.23*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate	1,385.10	23.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*306.29*	
		For Aluminum With Satin Finish, Add	*383.37*	
		For Third Rail, Add	*98.52*	
		For 1" Square x 14 Gauge Pickets, Add	*131.36*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate	1,531.61	26.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*338.58*	
		For Aluminum With Satin Finish, Add	*423.31*	
		For Third Rail, Add	*108.84*	
		For 1" Square x 14 Gauge Pickets, Add	*145.12*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,670.58	29.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*369.18*	
		For Aluminum With Satin Finish, Add	*460.98*	
		For Third Rail, Add	*118.59*	
		For 1" Square x 14 Gauge Pickets, Add	*158.13*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,696.20	25.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*375.99*	
		For Aluminum With Satin Finish, Add	*474.95*	
		For Third Rail, Add	*121.56*	
		For 1" Square x 14 Gauge Pickets, Add	*162.08*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,838.47	26.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*407.79*	
		For Aluminum With Satin Finish, Add	*516.37*	
		For Third Rail, Add	*132.02*	
		For 1" Square x 14 Gauge Pickets, Add	*176.03*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,983.52	27.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*440.01*	
		For Aluminum With Satin Finish, Add	*557.37*	
		For Third Rail, Add	*142.48*	
		For 1" Square x 14 Gauge Pickets, Add	*189.98*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,099.39	28.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*465.87*	
		For Aluminum With Satin Finish, Add	*590.88*	
		For Third Rail, Add	*150.96*	
		For 1" Square x 14 Gauge Pickets, Add	*201.29*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,196.41	29.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*487.49*	
		For Aluminum With Satin Finish, Add	*618.73*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,487.57	35.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*551.66*	
		For Aluminum With Satin Finish, Add	*698.04*	
		For Third Rail, Add	*178.53*	
		For 1" Square x 14 Gauge Pickets, Add	*238.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,741.02	41.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*607.35*	
		For Aluminum With Satin Finish, Add	*766.03*	
		For Third Rail, Add	*196.20*	
		For 1" Square x 14 Gauge Pickets, Add	*261.60*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	2,958.65	47.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*654.98*	
		For Aluminum With Satin Finish, Add	*823.29*	
		For Third Rail, Add	*211.18*	
		For 1" Square x 14 Gauge Pickets, Add	*281.57*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,144.26	53.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*695.40*	
		For Aluminum With Satin Finish, Add	*870.93*	
		For Third Rail, Add	*223.76*	
		For 1" Square x 14 Gauge Pickets, Add	*298.35*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,299.71	59.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*729.04*	
		For Aluminum With Satin Finish, Add	*909.52*	
		For Third Rail, Add	*234.08*	
		For 1" Square x 14 Gauge Pickets, Add	*312.11*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	924.88	13.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*205.17*	
		For Aluminum With Satin Finish, Add	*259.88*	
		For Third Rail, Add	*66.44*	
		For 1" Square x 14 Gauge Pickets, Add	*88.58*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	974.80	13.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*216.19*	
		For Aluminum With Satin Finish, Add	*273.60*	
		For Third Rail, Add	*69.97*	
		For 1" Square x 14 Gauge Pickets, Add	*93.29*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,022.82	14.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*226.79*	
		For Aluminum With Satin Finish, Add	*286.75*	
		For Third Rail, Add	*73.36*	
		For 1" Square x 14 Gauge Pickets, Add	*97.82*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,093.47	15.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*242.47*	
		For Aluminum With Satin Finish, Add	*306.68*	
		For Third Rail, Add	*78.45*	
		For 1" Square x 14 Gauge Pickets, Add	*104.60*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,183.99	18.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*262.13*	
		For Aluminum With Satin Finish, Add	*329.57*	
		For Third Rail, Add	*84.53*	
		For 1" Square x 14 Gauge Pickets, Add	*112.71*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,306.57	22.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*289.00*	
		For Aluminum With Satin Finish, Add	*362.07*	
		For Third Rail, Add	*93.01*	
		For 1" Square x 14 Gauge Pickets, Add	*124.01*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,480.59	25.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*327.40*	
		For Aluminum With Satin Finish, Add	*409.76*	
		For Third Rail, Add	*105.31*	
		For 1" Square x 14 Gauge Pickets, Add	*140.41*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,650.27	28.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*364.86*	
		For Aluminum With Satin Finish, Add	*456.39*	
		For Third Rail, Add	*117.32*	
		For 1" Square x 14 Gauge Pickets, Add	*156.43*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,816.20	31.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*401.48*	
		For Aluminum With Satin Finish, Add	*501.90*	
		For Third Rail, Add	*129.05*	
		For 1" Square x 14 Gauge Pickets, Add	*172.07*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,834.26	21.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*408.01*	
		For Aluminum With Satin Finish, Add	*522.09*	
		For Third Rail, Add	*132.87*	
		For 1" Square x 14 Gauge Pickets, Add	*177.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	1,937.04	25.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*430.35*	
		For Aluminum With Satin Finish, Add	*548.23*	
		For Third Rail, Add	*139.80*	
		For 1" Square x 14 Gauge Pickets, Add	*186.40*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,040.45	29.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*452.79*	
		For Aluminum With Satin Finish, Add	*574.28*	
		For Third Rail, Add	*146.72*	
		For 1" Square x 14 Gauge Pickets, Add	*195.63*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,186.59	33.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*484.89*	
		For Aluminum With Satin Finish, Add	*613.42*	
		For Third Rail, Add	*156.90*	
		For 1" Square x 14 Gauge Pickets, Add	*209.20*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,313.88	36.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*512.75*	
		For Aluminum With Satin Finish, Add	*646.91*	
		For Third Rail, Add	*165.67*	
		For 1" Square x 14 Gauge Pickets, Add	*220.89*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,636.51	40.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*584.46*	
		For Aluminum With Satin Finish, Add	*738.45*	
		For Third Rail, Add	*188.99*	
		For 1" Square x 14 Gauge Pickets, Add	*251.98*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	2,924.58	45.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*648.31*	
		For Aluminum With Satin Finish, Add	*819.07*	
		For Third Rail, Add	*209.63*	
		For 1" Square x 14 Gauge Pickets, Add	*279.50*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate	3,179.95	50.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*704.71*	
		For Aluminum With Satin Finish, Add	*889.32*	
		For Third Rail, Add	*227.72*	
		For 1" Square x 14 Gauge Pickets, Add	*303.63*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate	3,407.01	55.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*754.60*	
		For Aluminum With Satin Finish, Add	*950.25*	
		For Third Rail, Add	*243.55*	
		For 1" Square x 14 Gauge Pickets, Add	*324.73*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate	3,605.74	62.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*797.98*	
		For Aluminum With Satin Finish, Add	*1,001.86*	
		For Third Rail, Add	*257.12*	
		For 1" Square x 14 Gauge Pickets, Add	*342.83*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate	960.84	14.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*212.96*	
		For Aluminum With Satin Finish, Add	*268.91*	
		For Third Rail, Add	*68.84*	
		For 1" Square x 14 Gauge Pickets, Add	*91.79*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	1,010.19	15.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*223.90*	
		For Aluminum With Satin Finish, Add	*282.71*	
		For Third Rail, Add	*72.37*	
		For 1" Square x 14 Gauge Pickets, Add	*96.50*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate	1,059.93	15.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*234.90*	
		For Aluminum With Satin Finish, Add	*296.45*	
		For Third Rail, Add	*75.91*	
		For 1" Square x 14 Gauge Pickets, Add	*101.21*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate	1,121.32	16.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*248.49*	
		For Aluminum With Satin Finish, Add	*313.53*	
		For Third Rail, Add	*80.29*	
		For 1" Square x 14 Gauge Pickets, Add	*107.05*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate	1,254.42	20.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*277.64*	
		For Aluminum With Satin Finish, Add	*348.70*	
		For Third Rail, Add	*89.48*	
		For 1" Square x 14 Gauge Pickets, Add	*119.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,396.95	24.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*308.91*	
		For Aluminum With Satin Finish, Add	*386.68*	
		For Third Rail, Add	*99.37*	
		For 1" Square x 14 Gauge Pickets, Add	*132.49*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,557.78	27.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*344.35*	
		For Aluminum With Satin Finish, Add	*430.41*	
		For Third Rail, Add	*110.68*	
		For 1" Square x 14 Gauge Pickets, Add	*147.57*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,711.63	30.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*378.17*	
		For Aluminum With Satin Finish, Add	*471.79*	
		For Third Rail, Add	*121.42*	
		For 1" Square x 14 Gauge Pickets, Add	*161.90*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate	1,901.27	34.39
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*420.04*	
		For Aluminum With Satin Finish, Add	*523.91*	
		For Third Rail, Add	*134.85*	
		For 1" Square x 14 Gauge Pickets, Add	*179.80*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,903.25	23.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*423.17*	
		For Aluminum With Satin Finish, Add	*540.58*	
		For Third Rail, Add	*137.68*	
		For 1" Square x 14 Gauge Pickets, Add	*183.57*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	2,009.15	27.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*446.12*	
		For Aluminum With Satin Finish, Add	*567.10*	
		For Third Rail, Add	*144.74*	
		For 1" Square x 14 Gauge Pickets, Add	*192.99*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,114.44	31.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*468.98*	
		For Aluminum With Satin Finish, Add	*593.71*	
		For Third Rail, Add	*151.81*	
		For 1" Square x 14 Gauge Pickets, Add	*202.42*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,242.96	35.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*497.02*	
		For Aluminum With Satin Finish, Add	*627.02*	
		For Third Rail, Add	*160.58*	
		For 1" Square x 14 Gauge Pickets, Add	*214.10*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,450.63	39.74
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*542.87*	
		For Aluminum With Satin Finish, Add	*684.07*	
		For Third Rail, Add	*175.28*	
		For 1" Square x 14 Gauge Pickets, Add	*233.70*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,880.05	44.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*638.52*	
		For Aluminum With Satin Finish, Add	*807.09*	
		For Third Rail, Add	*206.52*	
		For 1" Square x 14 Gauge Pickets, Add	*275.36*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	3,007.87	49.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*666.18*	
		For Aluminum With Satin Finish, Add	*838.80*	
		For Third Rail, Add	*215.00*	
		For 1" Square x 14 Gauge Pickets, Add	*286.66*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,300.89	55.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*730.91*	
		For Aluminum With Satin Finish, Add	*919.52*	
		For Third Rail, Add	*235.78*	
		For 1" Square x 14 Gauge Pickets, Add	*314.37*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,567.48	61.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*789.56*	
		For Aluminum With Satin Finish, Add	*991.49*	
		For Third Rail, Add	*254.43*	
		For 1" Square x 14 Gauge Pickets, Add	*339.25*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	3,812.03	68.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*843.06*	
		For Aluminum With Satin Finish, Add	*1,055.73*	
		For Third Rail, Add	*271.26*	
		For 1" Square x 14 Gauge Pickets, Add	*361.67*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,017.13	15.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*225.37*	
		For Aluminum With Satin Finish, Add	*284.21*	
		For Third Rail, Add	*72.80*	
		For 1" Square x 14 Gauge Pickets, Add	*97.06*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,068.58	16.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*236.76*	
		For Aluminum With Satin Finish, Add	*298.54*	
		For Third Rail, Add	*76.47*	
		For 1" Square x 14 Gauge Pickets, Add	*101.96*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,120.15	17.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*248.17*	
		For Aluminum With Satin Finish, Add	*312.86*	
		For Third Rail, Add	*80.15*	
		For 1" Square x 14 Gauge Pickets, Add	*106.86*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,171.79	18.03
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*259.59*	
		For Aluminum With Satin Finish, Add	*327.17*	
		For Third Rail, Add	*83.82*	
		For 1" Square x 14 Gauge Pickets, Add	*111.76*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,353.13	21.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*299.51*	
		For Aluminum With Satin Finish, Add	*376.29*	
		For Third Rail, Add	*96.54*	
		For 1" Square x 14 Gauge Pickets, Add	*128.73*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,518.83	25.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*335.96*	
		For Aluminum With Satin Finish, Add	*420.99*	
		For Third Rail, Add	*108.14*	
		For 1" Square x 14 Gauge Pickets, Add	*144.18*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,636.11	29.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*361.47*	
		For Aluminum With Satin Finish, Add	*450.89*	
		For Third Rail, Add	*116.05*	
		For 1" Square x 14 Gauge Pickets, Add	*154.73*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,771.66	33.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*391.13*	
		For Aluminum With Satin Finish, Add	*486.53*	
		For Third Rail, Add	*125.38*	
		For 1" Square x 14 Gauge Pickets, Add	*167.17*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	1,939.81	37.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*428.08*	
		For Aluminum With Satin Finish, Add	*531.70*	
		For Third Rail, Add	*137.11*	
		For 1" Square x 14 Gauge Pickets, Add	*182.82*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	2,013.71	25.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*447.65*	
		For Aluminum With Satin Finish, Add	*571.50*	
		For Third Rail, Add	*145.59*	
		For 1" Square x 14 Gauge Pickets, Add	*194.12*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,124.00	29.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*471.54*	
		For Aluminum With Satin Finish, Add	*599.06*	
		For Third Rail, Add	*152.94*	
		For 1" Square x 14 Gauge Pickets, Add	*203.93*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,234.89	34.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*495.53*	
		For Aluminum With Satin Finish, Add	*626.53*	
		For Third Rail, Add	*160.29*	
		For 1" Square x 14 Gauge Pickets, Add	*213.73*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	2,347.06	38.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*519.84*	
		For Aluminum With Satin Finish, Add	*654.65*	
		For Third Rail, Add	*167.79*	
		For 1" Square x 14 Gauge Pickets, Add	*223.71*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	2,644.55	42.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*585.81*	
		For Aluminum With Satin Finish, Add	*738.10*	
		For Third Rail, Add	*189.13*	
		For 1" Square x 14 Gauge Pickets, Add	*252.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,207.12	47.95
		For Solid Pickets, Add	*711.33*	
		For Aluminum With Satin Finish, Add	*900.51*	
		For Third Rail, Add	*230.26*	
		For 1" Square x 14 Gauge Pickets, Add	*307.02*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,155.85	53.76
		For Solid Pickets, Add	*698.55*	
		For Aluminum With Satin Finish, Add	*877.67*	
		For Third Rail, Add	*225.17*	
		For 1" Square x 14 Gauge Pickets, Add	*300.23*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,414.91	59.96
		For Solid Pickets, Add	*755.50*	
		For Aluminum With Satin Finish, Add	*947.37*	
		For Third Rail, Add	*243.27*	
		For 1" Square x 14 Gauge Pickets, Add	*324.36*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,725.40	67.04
		For Solid Pickets, Add	*823.85*	
		For Aluminum With Satin Finish, Add	*1,031.40*	
		For Third Rail, Add	*265.04*	
		For 1" Square x 14 Gauge Pickets, Add	*353.38*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,922.80	74.81
		For Solid Pickets, Add	*866.60*	
		For Aluminum With Satin Finish, Add	*1,080.67*	
		For Third Rail, Add	*278.18*	
		For 1" Square x 14 Gauge Pickets, Add	*370.91*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,105.67	16.74
		For Solid Pickets, Add	*245.01*	
		For Aluminum With Satin Finish, Add	*309.09*	
		For Third Rail, Add	*79.16*	
		For 1" Square x 14 Gauge Pickets, Add	*105.54*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,159.35	17.64
		For Solid Pickets, Add	*256.88*	
		For Aluminum With Satin Finish, Add	*323.94*	
		For Third Rail, Add	*82.97*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,216.81	18.59
		For Solid Pickets, Add	*269.60*	
		For Aluminum With Satin Finish, Add	*339.92*	
		For Third Rail, Add	*87.07*	
		For 1" Square x 14 Gauge Pickets, Add	*116.10*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,264.69	20.71
		For Solid Pickets, Add	*279.89*	
		For Aluminum With Satin Finish, Add	*351.39*	
		For Third Rail, Add	*90.18*	
		For 1" Square x 14 Gauge Pickets, Add	*120.24*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,498.94	23.44
		For Solid Pickets, Add	*331.99*	
		For Aluminum With Satin Finish, Add	*418.03*	
		For Third Rail, Add	*107.15*	
		For 1" Square x 14 Gauge Pickets, Add	*142.86*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,662.35	28.25
		For Solid Pickets, Add	*367.66*	
		For Aluminum With Satin Finish, Add	*460.52*	
		For Third Rail, Add	*118.31*	
		For 1" Square x 14 Gauge Pickets, Add	*157.75*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,727.20	32.88
		For Solid Pickets, Add	*381.21*	
		For Aluminum With Satin Finish, Add	*473.69*	
		For Third Rail, Add	*122.13*	
		For 1" Square x 14 Gauge Pickets, Add	*162.84*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,845.37	37.74
		For Solid Pickets, Add	*406.71*	
		For Aluminum With Satin Finish, Add	*502.61*	
		For Third Rail, Add	*129.90*	
		For 1" Square x 14 Gauge Pickets, Add	*173.20*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,946.58	42.60
		For Solid Pickets, Add	*428.39*	
		For Aluminum With Satin Finish, Add	*526.45*	
		For Third Rail, Add	*136.41*	
		For 1" Square x 14 Gauge Pickets, Add	*181.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,190.12	27.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*486.97*	
		For Aluminum With Satin Finish, Add	*622.22*	
		For Third Rail, Add	*158.46*	
		For 1" Square x 14 Gauge Pickets, Add	*211.28*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,311.63	32.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*513.12*	
		For Aluminum With Satin Finish, Add	*651.49*	
		For Third Rail, Add	*166.37*	
		For 1" Square x 14 Gauge Pickets, Add	*221.83*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,430.64	38.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*538.74*	
		For Aluminum With Satin Finish, Add	*680.28*	
		For Third Rail, Add	*174.15*	
		For 1" Square x 14 Gauge Pickets, Add	*232.20*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,527.65	43.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*559.37*	
		For Aluminum With Satin Finish, Add	*702.20*	
		For Third Rail, Add	*180.22*	
		For 1" Square x 14 Gauge Pickets, Add	*240.30*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	2,941.28	49.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*651.24*	
		For Aluminum With Satin Finish, Add	*819.11*	
		For Third Rail, Add	*210.05*	
		For 1" Square x 14 Gauge Pickets, Add	*280.07*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	3,680.94	55.44
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*816.33*	
		For Aluminum With Satin Finish, Add	*1,032.98*	
		For Third Rail, Add	*264.19*	
		For 1" Square x 14 Gauge Pickets, Add	*352.25*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate	3,335.57	62.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*737.10*	
		For Aluminum With Satin Finish, Add	*920.26*	
		For Third Rail, Add	*236.77*	
		For 1" Square x 14 Gauge Pickets, Add	*315.69*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate	3,562.46	70.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*786.40*	
		For Aluminum With Satin Finish, Add	*977.82*	
		For Third Rail, Add	*252.03*	
		For 1" Square x 14 Gauge Pickets, Add	*336.04*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate	3,921.84	79.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*865.33*	
		For Aluminum With Satin Finish, Add	*1,074.03*	
		For Third Rail, Add	*277.05*	
		For 1" Square x 14 Gauge Pickets, Add	*369.40*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate	3,980.86	89.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*876.44*	
		For Aluminum With Satin Finish, Add	*1,078.75*	
		For Third Rail, Add	*279.31*	
		For 1" Square x 14 Gauge Pickets, Add	*372.42*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	21.54	
		For 1" Square x 14 Gauge Pickets, Add	*1.04*	

32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	25.12	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	27.63	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	30.15	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	32.66	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	35.17	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	37.68	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	41.87	

32 31 23 Plastic Fences and Gates *(32 31)*

32 31 23 00-0001 Vinyl Fence *(32 31 23)*

32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.

32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	53.44	2.58
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	59.27	3.10
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	65.71	3.61
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	71.98	4.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0007		**Semi-Privacy 6" Picket Vinyl Fence** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	71.14	3.61
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	77.48	4.13
32 31 23 00-0010		**Picket Straight Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	48.64	2.58
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	54.73	3.10
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	62.53	3.61
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	68.87	4.13
32 31 23 00-0015		**Picket Scalloped Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	54.81	2.58
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	61.09	3.10
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	68.47	3.61
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	75.00	4.13
32 31 23 00-0020		**Post And Rail Vinyl Fence, Ranch Style** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	14.92	2.58
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	19.83	3.10
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	23.49	3.36
32 31 23 00-0024		**Post, Rails And Pickets (Traditional Style) Vinyl Fence** *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	64.77	2.83
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	69.97	3.36
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	61.39	2.58
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	65.89	3.10
32 31 23 00-0029		**Vinyl Gates** *(32 31 23)*		
32 31 23 00-0030		**Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0029)* Note: Includes hinges.		
32 31 23 00-0031		**3' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	599.93	25.80
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	637.47	27.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	703.63	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	795.22	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036		**4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	637.47	27.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	659.12	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	738.00	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	877.26	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0041		**5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	659.12	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	687.14	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	797.79	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	943.41	32.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*

32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	689.71	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	717.72	32.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	882.42	33.54
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	980.37	33.54
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0051 Gates For Picket Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	571.32	25.80
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	592.97	27.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	671.84	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	811.11	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0057 4' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	573.90	27.10
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	595.55	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	674.43	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	813.68	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0062 5' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	595.55	28.38
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	623.57	29.67
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	734.22	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	879.84	32.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0067 6' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	626.14	30.96
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	654.15	32.25
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	818.84	33.54
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	916.79	34.83
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0072		**Gates Accessories** *(32 31 23 00-0029)*		
32 31 23 00-0073	EA	Gate Stop/Drop Rod	127.31	
32 31 23 00-0074	EA	Latch Set	81.22	
32 31 23 00-0075	EA	Stainless Steel Latch Set	127.31	
32 31 26		**Wire Fences and Gates** *(32 31)*		
32 31 26 13		**Wire Fences with Steel Posts** *(32 31 26)*		
32 31 26 13-0001		**Chicken Wire** *(32 31 26 13)*		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	5.78	0.90
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	5.98	0.90
32 31 26 13-0004		**Wire And Screen** *(32 31 26 13)*		
32 31 26 13-0005		**Wire And Screen For Partitions And Fences** *(32 31 26 13-0004)*		
		Note: Excludes framing and post.		
32 31 26 13-0006		**Screen Wire** *(32 31 26 13-0005)*		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	7.94	0.52
32 31 26 13-0008		**Hog Wire** *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	1.24	0.42
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	1.29	0.47
32 31 26 13-0011		**Non-Climb Horse Fence** *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	6.44	1.68
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	8.45	2.09
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	10.98	2.51
32 31 26 13-0015		**Screen For Partitions And Ceilings** *(32 31 26 13-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	1.60	0.29
32 31 26 13-0017		**Wicket Fence** *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	77.30	2.43
32 31 29		**Wood Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		**Basket Weave** *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	39.76	1.80
		For Fastening With Screws Instead Of Nails, Add	*2.18*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	22.39	1.80
		For Fastening With Screws Instead Of Nails, Add	*1.32*	
32 31 29 00-0004		**Board Fence** *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	21.35	1.80
		For 1" x 6" Boards, Deduct	*-1.77*	
		For 1" x 3" Boards (Stockade Top), Add	*2.05*	
		For Fastening With Screws Instead Of Nails, Add	*1.28*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	24.17	1.80
		For 1" x 6" Boards, Deduct	*-1.95*	
		For 1" x 3" Boards (Stockade Top), Add	*2.24*	
		For Fastening With Screws Instead Of Nails, Add	*1.43*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	27.88	1.80
		For 1" x 6" Boards, Deduct	*-2.13*	
		For 1" x 3" Boards (Stockade Top), Add	*2.41*	
		For Fastening With Screws Instead Of Nails, Add	*1.63*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	30.09	1.80
		For 1" x 6" Boards, Deduct	*-2.26*	
		For 1" x 3" Boards (Stockade Top), Add	*2.54*	
		For Fastening With Screws Instead Of Nails, Add	*1.75*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	32.54	1.80
		For 1" x 6" Boards, Deduct	*-2.40*	
		For 1" x 3" Boards (Stockade Top), Add	*2.68*	
		For Fastening With Screws Instead Of Nails, Add	*1.88*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	23.55	1.80
		For 1" x 6" Boards, Deduct	*-1.86*	
		For 1" x 3" Boards (Stockade Top), Add	*2.12*	
		For Fastening With Screws Instead Of Nails, Add	*1.39*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	25.87	1.80
		For 1" x 6" Boards, Deduct	*-2.02*	
		For 1" x 3" Boards (Stockade Top), Add	*2.29*	
		For Fastening With Screws Instead Of Nails, Add	*1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	27.88	1.80
		For 1" x 6" Boards, Deduct	*-2.13*	
		For 1" x 3" Boards (Stockade Top), Add	*2.41*	
		For Fastening With Screws Instead Of Nails, Add	*1.63*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	30.09	1.80
		For 1" x 6" Boards, Deduct	*-2.26*	
		For 1" x 3" Boards (Stockade Top), Add	*2.54*	
		For Fastening With Screws Instead Of Nails, Add	*1.75*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	32.54	1.80
		For 1" x 6" Boards, Deduct	*-2.40*	
		For 1" x 3" Boards (Stockade Top), Add	*2.68*	
		For Fastening With Screws Instead Of Nails, Add	*1.88*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	23.56	1.80
		For 1" x 6" Boards, Deduct	*-1.86*	
		For 1" x 3" Boards (Stockade Top), Add	*2.12*	
		For Fastening With Screws Instead Of Nails, Add	*1.39*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	33.38	1.80
		For 1" x 6" Boards, Deduct	*-2.32*	
		For 1" x 3" Boards (Stockade Top), Add	*2.52*	
		For Fastening With Screws Instead Of Nails, Add	*1.89*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	35.08	1.80
		For 1" x 6" Boards, Deduct	*-2.42*	
		For 1" x 3" Boards (Stockade Top), Add	*2.63*	
		For Fastening With Screws Instead Of Nails, Add	*1.99*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	38.15	1.80
		For 1" x 6" Boards, Deduct	*-2.59*	
		For 1" x 3" Boards (Stockade Top), Add	*2.78*	
		For Fastening With Screws Instead Of Nails, Add	*2.15*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	41.51	1.80
		For 1" x 6" Boards, Deduct	*-2.76*	
		For 1" x 3" Boards (Stockade Top), Add	*2.95*	
		For Fastening With Screws Instead Of Nails, Add	*2.33*	

32 31 29 00-0020 Shadow Box *(32 31 29)*

Note: 1x6" board, 2x4" Rail, 4x4" post.

32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	58.88	1.80
		For Fastening With Screws Instead Of Nails, Add	*3.13*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	74.66	1.80
		For Fastening With Screws Instead Of Nails, Add	*3.96*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	81.92	1.80
		For Fastening With Screws Instead Of Nails, Add	*4.33*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	88.08	1.80
		For Fastening With Screws Instead Of Nails, Add	*4.65*	

32 31 29 00-0025 Open Rail Fence *(32 31 29)*

32 31 29 00-0026 Post And Rail Fence, Ranch Style *(32 31 29 00-0025)*

32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	22.36	1.80
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	15.38	1.80
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	27.61	1.80
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	16.73	1.80

32 31 29 00-0031 Split Rail Fence *(32 31 29 00-0025)*

32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	20.57	1.80
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	15.30	1.80
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	24.18	1.80
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	17.74	1.80

32 31 29 00-0036 Picket Fence *(32 31 29)*

32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	25.55	1.80
		For Fastening With Screws Instead Of Nails, Add	*1.49*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	23.15	1.80
		For Fastening With Screws Instead Of Nails, Add	*1.37*	

32 31 29 00-0039 Wood Fence Post Accessories *(32 31 29)*

32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	36.46	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	42.41	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	45.73	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	72.88	

32 31 29 00-0044 Wood Gate *(32 31 29)*

32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).

32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	325.92	67.68
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	368.35	71.74
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	416.19	78.51
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	489.11	82.56
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	562.01	86.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	407.35	89.34
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	453.59	93.39
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	499.82	97.46
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	584.18	101.52
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	649.46	105.58
32 31 29 00-0056		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	627.32	56.38
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	645.52	59.77
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	672.04	65.41
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	709.30	68.79
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	758.00	72.17
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	720.58	74.43
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	746.40	77.82
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	791.28	81.19
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	836.16	84.58
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	881.04	87.97
32 31 29 00-0067		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	684.49	56.38
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	710.32	59.77
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	740.64	65.41
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	785.53	68.79
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	830.41	72.17
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	796.81	74.43
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	822.63	77.82
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	867.51	81.19
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	912.38	84.58
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	976.32	87.97
32 31 29 00-0078		**Plywood Fence Gates** *(32 31 29 00-0044)* Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.		
32 31 29 00-0079	EA	6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	617.09	69.90
32 31 29 00-0080	EA	7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	626.95	69.90
32 31 29 00-0081	EA	8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	745.06	76.25
32 31 29 00-0082	EA	9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	754.92	76.25
32 31 29 00-0083	EA	10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	794.34	82.61
32 31 29 00-0084	EA	6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,104.63	127.08
32 31 29 00-0085	EA	7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,124.36	127.08
32 31 29 00-0086	EA	8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,281.86	139.79
32 31 29 00-0087	EA	9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,301.59	139.79
32 31 29 00-0088	EA	10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,380.40	152.50
32 31 29 00-0089	EA	6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	1,968.04	254.16
32 31 29 00-0090	EA	7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	2,007.49	254.16
32 31 29 00-0091	EA	8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	2,243.82	279.58
32 31 29 00-0092	EA	9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	2,283.27	279.58
32 31 29 00-0093	EA	10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	2,466.29	311.35
32 31 29 00-0094		**Wood Gates Accessories** *(32 31 29 00-0044)*		
32 31 29 00-0095	EA	Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length	40.62	5.16
32 31 29 00-0096	EA	Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length	26.49	5.16
32 31 29 00-0097	EA	Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length	86.08	5.16
32 31 29 00-0098	EA	Black Steel Cane Bolt, 18" Bolt Length	51.22	6.45
32 31 29 00-0099	EA	Zinc Coated Steel Cane Bolt, 18" Bolt Length	50.48	6.45
32 31 29 00-0100	EA	Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length	66.69	6.45
32 31 29 00-0101	EA	Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length	43.94	6.45
32 31 29 00-0102	EA	Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length	77.49	6.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0103		**Pressure Treated Wood Fence Posts** *(32 31 29)* See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0661 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0104	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	30.20	6.77
32 31 29 00-0105	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	36.22	6.77
32 31 29 00-0106	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	50.38	13.00
32 31 29 00-0107	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	57.24	13.00
32 31 34		**Tubular Barrier Gates** *(32 31)*		
32 31 34 00-0001		**Tube Gate** *(32 31 34)* See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0635 for gate accessories.		
32 31 34 00-0002		**50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	175.83	15.07
		For 13 Gauge Tubing, Add	*30.70*	
		For Galvanized Finish, Add	*19.68*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	228.05	19.54
		For 13 Gauge Tubing, Add	*39.75*	
		For Galvanized Finish, Add	*25.41*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	310.90	25.12
		For 13 Gauge Tubing, Add	*54.64*	
		For Galvanized Finish, Add	*35.33*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	351.69	31.26
		For 13 Gauge Tubing, Add	*60.85*	
		For Galvanized Finish, Add	*38.52*	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	418.03	37.18
		For 13 Gauge Tubing, Add	*72.44*	
		For Galvanized Finish, Add	*45.96*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	453.24	41.87
		For 13 Gauge Tubing, Add	*78.09*	
		For Galvanized Finish, Add	*49.14*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	534.18	48.29
		For 13 Gauge Tubing, Add	*92.32*	
		For Galvanized Finish, Add	*58.35*	
32 31 34 00-0010		**33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	241.57	15.07
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	284.60	19.54
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	335.51	25.12
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	379.72	31.26
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	427.21	37.18
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	471.63	41.87
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	522.67	48.29
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	602.34	54.35
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	684.77	60.80
32 31 34 00-0020		**33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	264.64	15.07
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	307.28	19.54
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	350.89	25.12
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	402.15	31.26
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	443.42	37.18
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	509.47	41.87
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	563.77	48.29
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	665.05	54.35
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	741.16	60.80
32 31 34 00-0030		**Tubular Steel Barrier Gate (Triangular Shape)** *(32 31 34 00-0001)* Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,269.73	31.26
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,449.79	37.18
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,919.32	41.87
32 31 34 00-0034		**Pipe Gate** *(32 31 34)* Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0035	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,211.53	
32 31 34 00-0036	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,287.50	
32 31 34 00-0037	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,315.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 31 56 Wild Life Deterrent Fence *(32 31)*

32 31 56 00-0001 Barbed Wire Fences *(32 31 56)*

Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts *(32 31 56 00-0001)*

32 31 56 00-0003 Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*

32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	94.93	4.46
		For Bracing On Corner Post, End Post And Pull Post, Add	*155.37*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	134.63	4.46
		For Bracing On Corner Post, End Post And Pull Post, Add	*221.67*	

32 31 56 00-0006 Post In Rock *(32 31 56 00-0002)*

32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	93.95	4.46
		For Bracing On Corner Post, End Post And Pull Post, Add	*153.90*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	133.65	4.46
		For Bracing On Corner Post, End Post And Pull Post, Add	*220.20*	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	17.01	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	17.45	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	18.53	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	19.60	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	21.10	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	24.34	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	31.64	

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.54	0.23
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.70	0.23

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	8.39	1.45

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	228.03	70.56
		For >3:1 Sloped Soil At Top, Add	*7.39*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	285.98	86.83
		For >3:1 Sloped Soil At Top, Add	*9.54*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	312.79	93.66
		For >3:1 Sloped Soil At Top, Add	*10.66*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	403.17	115.81
		For >3:1 Sloped Soil At Top, Add	*14.59*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	465.17	133.02
		For >3:1 Sloped Soil At Top, Add	*16.92*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	669.40	195.14
		For >3:1 Sloped Soil At Top, Add	*23.73*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	916.83	269.40
		For >3:1 Sloped Soil At Top, Add	*32.13*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	251.19	77.06
		For >3:1 Sloped Soil At Top, Add	*8.25*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	309.49	92.85
		For >3:1 Sloped Soil At Top, Add	*10.53*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	329.59	96.88
		For >3:1 Sloped Soil At Top, Add	*11.54*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	457.99	129.85
		For >3:1 Sloped Soil At Top, Add	*16.85*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	577.88	166.79
		For >3:1 Sloped Soil At Top, Add	*20.77*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	862.89	252.80
		For >3:1 Sloped Soil At Top, Add	*30.37*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,217.67	356.85
		For >3:1 Sloped Soil At Top, Add	*42.84*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 16 00-0001		Precast Retaining Walls *(32 32 16)* Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	99.75	7.53
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	104.85	6.06
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	110.48	5.04
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	120.04	5.04
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	128.42	4.30
32 32 23		**Segmental Retaining Walls** *(32 32)*		
32 32 23 13		**Segmental Concrete Unit Masonry Retaining Walls** *(32 32 23)*		
32 32 23 13-0001		Modular Retaining Wall Systems *(32 32 23 13)* Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002		"Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	66.34	4.97
		For >3:1 Sloped Soil At Top, Add	*4.79*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	70.02	5.24
		For >3:1 Sloped Soil At Top, Add	*5.06*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	72.41	5.76
		For >3:1 Sloped Soil At Top, Add	*5.18*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	75.01	6.29
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0007		"Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	69.29	4.97
		For >3:1 Sloped Soil At Top, Add	*5.04*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	72.97	5.24
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	75.35	5.76
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	77.95	6.29
		For >3:1 Sloped Soil At Top, Add	*5.56*	
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	76.33	4.97
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	80.01	5.24
		For >3:1 Sloped Soil At Top, Add	*5.91*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	82.40	5.76
		For >3:1 Sloped Soil At Top, Add	*6.02*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	85.00	6.29
		For >3:1 Sloped Soil At Top, Add	*6.16*	
32 32 23 13-0017		"Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	66.34	4.97
		For >3:1 Sloped Soil At Top, Add	*4.79*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	70.02	5.24
		For >3:1 Sloped Soil At Top, Add	*5.06*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	72.41	5.76
		For >3:1 Sloped Soil At Top, Add	*5.18*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	75.01	6.29
		For >3:1 Sloped Soil At Top, Add	*5.31*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		"Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	57.40	4.97
		For >3:1 Sloped Soil At Top, Add	*4.03*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	64.02	5.24
		For >3:1 Sloped Soil At Top, Add	*4.55*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	66.46	5.76
		For >3:1 Sloped Soil At Top, Add	*4.67*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	68.51	6.29
		For >3:1 Sloped Soil At Top, Add	*4.75*	
32 32 23 13-0027		Retaining Wall Cap Block Restoration *(32 32 23 13-0001)* Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	32.92	
		For >3:1 Sloped Soil At Top, Add	*2.26*	
32 32 26		**Metal Crib Retaining Walls** *(32 32)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0001		**Bin Type Retaining Wall** *(32 32 26)*		
32 32 26 00-0002		**Vertical Bin Walls** *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	65.92	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	80.70	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	94.33	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	103.19	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	114.49	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	123.35	
32 32 26 00-0009		**Battered Bin Walls** *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	55.52	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	61.43	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	69.10	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	79.44	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	92.74	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	95.69	
32 32 26 00-0016		**Aluminized Steel Bin** *(32 32 26)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	42.58	2.56
		For >3:1 Sloped Soil At Top, Add	*3.18*	
		For Galvanized Type, Deduct	*-3.75*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	48.31	2.56
		For >3:1 Sloped Soil At Top, Add	*3.67*	
		For Galvanized Type, Deduct	*-4.31*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	51.53	2.80
		For >3:1 Sloped Soil At Top, Add	*3.91*	
		For Galvanized Type, Deduct	*-4.60*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	58.73	3.16
		For >3:1 Sloped Soil At Top, Add	*4.45*	
		For Galvanized Type, Deduct	*-5.24*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	56.09	3.29
		For >3:1 Sloped Soil At Top, Add	*4.21*	
		For Galvanized Type, Deduct	*-4.96*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	63.22	3.34
		For >3:1 Sloped Soil At Top, Add	*4.81*	
		For Galvanized Type, Deduct	*-5.66*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	70.43	3.52
		For >3:1 Sloped Soil At Top, Add	*5.38*	
		For Galvanized Type, Deduct	*-6.33*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	72.02	3.70
		For >3:1 Sloped Soil At Top, Add	*5.50*	
		For Galvanized Type, Deduct	*-6.47*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	76.13	3.70
		For >3:1 Sloped Soil At Top, Add	*5.84*	
		For Galvanized Type, Deduct	*-6.87*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	80.23	3.76
		For >3:1 Sloped Soil At Top, Add	*6.18*	
		For Galvanized Type, Deduct	*-7.28*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	83.05	3.82
		For >3:1 Sloped Soil At Top, Add	*6.41*	
		For Galvanized Type, Deduct	*-7.55*	
32 32 29		**Timber Retaining Walls** *(32 32)*		
32 32 29 00-0001		**Wood Post Retaining Walls** *(32 32 29)*		
		Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	52.51	14.16
		For >3:1 Sloped Soil At Top, Add	*2.06*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	102.68	27.72
		For >3:1 Sloped Soil At Top, Add	*4.02*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	49.42	14.16
		For >3:1 Sloped Soil At Top, Add	*1.80*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	96.66	27.72
		For >3:1 Sloped Soil At Top, Add	*3.51*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	47.98	12.37
		For >3:1 Sloped Soil At Top, Add	*1.97*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	93.96	24.19
		For >3:1 Sloped Soil At Top, Add	*3.87*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	42.43	10.97
		For >3:1 Sloped Soil At Top, Add	*1.74*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	76.69	19.87
		For >3:1 Sloped Soil At Top, Add	*3.14*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	146.23	33.57
		For >3:1 Sloped Soil At Top, Add	*6.72*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	289.73	65.81
		For >3:1 Sloped Soil At Top, Add	*13.44*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	142.79	33.57
		For >3:1 Sloped Soil At Top, Add	*6.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	281.13	65.81
		For >3:1 Sloped Soil At Top, Add	*12.71*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	128.48	27.26
		For >3:1 Sloped Soil At Top, Add	*6.28*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	255.56	53.84
		For >3:1 Sloped Soil At Top, Add	*12.57*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	102.96	21.80
		For >3:1 Sloped Soil At Top, Add	*5.04*	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	203.09	42.67
		For >3:1 Sloped Soil At Top, Add	*10.01*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	381.07	72.76
		For >3:1 Sloped Soil At Top, Add	*20.02*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	713.47	135.84
		For >3:1 Sloped Soil At Top, Add	*37.55*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	363.88	72.76
		For >3:1 Sloped Soil At Top, Add	*18.56*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	680.80	135.84
		For >3:1 Sloped Soil At Top, Add	*34.78*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	343.24	83.94
		For >3:1 Sloped Soil At Top, Add	*14.90*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	640.16	156.75
		For >3:1 Sloped Soil At Top, Add	*27.76*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	277.51	67.84
		For >3:1 Sloped Soil At Top, Add	*12.06*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	514.71	125.86
		For >3:1 Sloped Soil At Top, Add	*22.36*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	98.94	27.96
		For >3:1 Sloped Soil At Top, Add	*3.65*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	147.56	41.97
		For >3:1 Sloped Soil At Top, Add	*5.41*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	196.13	55.93
		For >3:1 Sloped Soil At Top, Add	*7.16*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	73.74	15.79
		For >3:1 Sloped Soil At Top, Add	*3.58*	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	107.50	22.80
		For >3:1 Sloped Soil At Top, Add	*5.26*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	145.79	30.80
		For >3:1 Sloped Soil At Top, Add	*7.16*	

32 32 29 00-0032 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033 Redwood *(32 32 29 00-0032)*

32 32 29 00-0034	LF	2' High, 6" x 6" Wood Tie Wall	75.67	17.18
		For >3:1 Sloped Soil At Top, Add	*3.51*	
32 32 29 00-0035	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	172.89	39.19
		For >3:1 Sloped Soil At Top, Add	*8.04*	
32 32 29 00-0036	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	258.51	58.76
		For >3:1 Sloped Soil At Top, Add	*11.98*	
32 32 29 00-0037	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	264.04	50.36
		For >3:1 Sloped Soil At Top, Add	*13.88*	
32 32 29 00-0038	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	396.97	75.55
		For >3:1 Sloped Soil At Top, Add	*20.90*	
32 32 29 00-0039	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	525.28	99.34
		For >3:1 Sloped Soil At Top, Add	*27.76*	

32 32 29 00-0040 Cedar *(32 32 29 00-0032)*

32 32 29 00-0041	LF	2' High, 6" x 6" Wood Tie Wall	73.95	17.18
		For >3:1 Sloped Soil At Top, Add	*3.36*	
32 32 29 00-0042	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	167.74	39.19
		For >3:1 Sloped Soil At Top, Add	*7.60*	
32 32 29 00-0043	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	251.63	58.76
		For >3:1 Sloped Soil At Top, Add	*11.40*	
32 32 29 00-0044	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	252.00	50.36
		For >3:1 Sloped Soil At Top, Add	*12.86*	
32 32 29 00-0045	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	379.77	75.55
		For >3:1 Sloped Soil At Top, Add	*19.43*	
32 32 29 00-0046	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	501.21	99.34
		For >3:1 Sloped Soil At Top, Add	*25.72*	

32 32 29 00-0047 Creosoted Wood *(32 32 29 00-0032)*

32 32 29 00-0048	LF	2' High, 6" x 8" Wood Tie Wall	74.92	22.80
		For >3:1 Sloped Soil At Top, Add	*2.49*	
32 32 29 00-0049	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	171.13	52.45
		For >3:1 Sloped Soil At Top, Add	*5.63*	
32 32 29 00-0050	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	254.13	77.63
		For >3:1 Sloped Soil At Top, Add	*8.40*	
32 32 29 00-0051	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	343.60	105.59
		For >3:1 Sloped Soil At Top, Add	*11.25*	
32 32 29 00-0052	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	500.18	153.82
		For >3:1 Sloped Soil At Top, Add	*16.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0053	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	664.05	203.94
		For >3:1 Sloped Soil At Top, Add	*21.77*	

32 32 29 00-0054 Pressure Treated Wood *(32 32 29 00-0032)*

32 32 29 00-0055	LF	2' High, 6" x 6" Wood Tie Wall	67.17	14.20
		For >3:1 Sloped Soil At Top, Add	*3.30*	
32 32 29 00-0056	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	152.89	32.18
		For >3:1 Sloped Soil At Top, Add	*7.53*	
32 32 29 00-0057	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	228.90	48.28
		For >3:1 Sloped Soil At Top, Add	*11.25*	
32 32 29 00-0058	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	237.28	58.06
		For >3:1 Sloped Soil At Top, Add	*10.30*	
32 32 29 00-0059	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	357.45	86.77
		For >3:1 Sloped Soil At Top, Add	*15.64*	
32 32 29 00-0060	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	473.12	115.38
		For >3:1 Sloped Soil At Top, Add	*20.60*	

32 32 29 00-0061 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	47.99	8.40
		For >3:1 Sloped Soil At Top, Add	*2.65*	
32 32 29 00-0063	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	70.80	14.36
		For >3:1 Sloped Soil At Top, Add	*3.58*	
32 32 29 00-0064	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	94.99	17.84
		For >3:1 Sloped Soil At Top, Add	*5.04*	
32 32 29 00-0065	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	132.17	25.28
		For >3:1 Sloped Soil At Top, Add	*6.94*	
32 32 29 00-0066	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	173.20	32.88
		For >3:1 Sloped Soil At Top, Add	*9.13*	
32 32 29 00-0067	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	360.49	65.07
		For >3:1 Sloped Soil At Top, Add	*19.58*	
32 32 29 00-0068	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	410.58	72.06
		For >3:1 Sloped Soil At Top, Add	*22.65*	
32 32 29 00-0069	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	48.26	8.74
		For >3:1 Sloped Soil At Top, Add	*2.62*	
32 32 29 00-0070	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	84.35	15.55
		For >3:1 Sloped Soil At Top, Add	*4.53*	
32 32 29 00-0071	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	82.93	15.25
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 29 00-0072	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	115.14	21.90
		For >3:1 Sloped Soil At Top, Add	*6.06*	
32 32 29 00-0073	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	177.40	34.97
		For >3:1 Sloped Soil At Top, Add	*9.13*	
32 32 29 00-0074	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	142.27	26.87
		For >3:1 Sloped Soil At Top, Add	*7.53*	
32 32 29 00-0075	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	373.24	67.15
		For >3:1 Sloped Soil At Top, Add	*20.31*	
32 32 29 00-0076	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	49.94	16.15
		For >3:1 Sloped Soil At Top, Add	*1.50*	
32 32 29 00-0077	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	73.15	22.94
		For >3:1 Sloped Soil At Top, Add	*2.32*	
32 32 29 00-0078	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	110.23	31.49
		For >3:1 Sloped Soil At Top, Add	*4.02*	
32 32 29 00-0079	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	198.28	53.14
		For >3:1 Sloped Soil At Top, Add	*7.82*	
32 32 29 00-0080	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	202.58	53.14
		For >3:1 Sloped Soil At Top, Add	*8.18*	
32 32 29 00-0081	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	188.09	51.06
		For >3:1 Sloped Soil At Top, Add	*7.31*	
32 32 29 00-0082	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	448.06	117.46
		For >3:1 Sloped Soil At Top, Add	*18.12*	
32 32 29 00-0083	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	49.94	16.15
		For >3:1 Sloped Soil At Top, Add	*1.50*	
32 32 29 00-0084	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	73.15	22.94
		For >3:1 Sloped Soil At Top, Add	*2.32*	
32 32 29 00-0085	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	110.23	31.49
		For >3:1 Sloped Soil At Top, Add	*4.02*	
32 32 29 00-0086	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	139.37	39.19
		For >3:1 Sloped Soil At Top, Add	*5.19*	
32 32 29 00-0087	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	198.28	53.14
		For >3:1 Sloped Soil At Top, Add	*7.82*	
32 32 29 00-0088	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	188.09	51.06
		For >3:1 Sloped Soil At Top, Add	*7.31*	
32 32 29 00-0089	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	448.06	117.46
		For >3:1 Sloped Soil At Top, Add	*18.12*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0002		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $16.00/ton.		
32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	289.51	117.86
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	339.20	140.22
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	441.31	186.30
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	671.31	291.29
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	867.06	381.03
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,072.73	474.50
		For >3:1 Sloped Soil At Top, Add	*10.51*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	262.43	104.36
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	305.69	123.47
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	391.83	161.53
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	591.70	251.49
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	755.37	325.22
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	934.96	405.65
		For >3:1 Sloped Soil At Top, Add	*10.51*	
32 32 53 00-0015		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $32.00/ton.		
32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	305.75	117.86
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	361.69	140.22
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	473.80	186.30
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	718.79	291.29
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	932.03	381.03
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,155.20	474.50
		For >3:1 Sloped Soil At Top, Add	*17.52*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	278.67	104.36
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	328.18	123.47
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	424.32	161.53
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	639.18	251.49
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	820.34	325.22
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,017.43	405.65
		For >3:1 Sloped Soil At Top, Add	*17.52*	
32 32 53 00-0028		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $48.00/ton.		
32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	323.24	117.86
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	383.93	140.22
		For >3:1 Sloped Soil At Top, Add	*8.79*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	505.04	186.30
		For >3:1 Sloped Soil At Top, Add	*11.26*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	766.28	291.29
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	997.00	381.03
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,238.91	474.50
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	296.16	104.36
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	350.67	123.47
		For >3:1 Sloped Soil At Top, Add	*8.82*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	455.56	161.53
		For >3:1 Sloped Soil At Top, Add	*11.26*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	686.67	251.49
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	885.31	325.22
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,101.14	405.65
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0041		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $64.00/ton.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	340.74	117.86
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	381.68	140.22
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	538.77	186.30
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	816.26	291.29
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,064.48	381.03
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	1,323.88	474.50
		For >3:1 Sloped Soil At Top, Add	*31.86*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	313.66	104.36
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	373.16	123.47
		For >3:1 Sloped Soil At Top, Add	*10.73*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	489.29	161.53
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	736.65	251.49
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	952.79	325.22
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,186.11	405.65
		For >3:1 Sloped Soil At Top, Add	*31.86*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	717.81	63.16
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,063.27	103.76
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,877.20	157.89

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	626.29	56.39
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	859.58	93.84
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,509.06	140.98

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	89.41	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	840.30	110.66

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	440.26	67.67
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	647.38	73.31
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	854.47	78.94
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,089.55	84.59
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,324.64	90.23
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,447.81	95.86

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	522.28	67.67
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	706.51	73.31
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	890.71	78.94
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,053.31	84.59
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,237.53	90.23
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,464.97	95.86
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized	1,757.29	112.78
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized	2,071.21	107.14
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized	2,363.50	112.78

32 33 13 00-0033 Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	440.26	67.67
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	647.38	73.31
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	854.47	78.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,089.55	84.59
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,324.64	90.23
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,447.81	95.86
32 33 13 00-0040		**Powder Coated, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	543.90	67.67
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	749.74	73.31
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	933.95	78.94
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,161.40	84.59
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,345.62	90.23
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,594.68	95.86
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated	1,930.22	112.78
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated	2,265.76	107.14
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated	2,579.67	112.78
32 33 13 00-0050		**Stainless Steel, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	991.35	67.67
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,552.35	73.31
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,113.36	78.94
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,752.91	84.59
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,392.44	90.23
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,717.84	95.86
32 33 13 00-0057		**Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	738.45	67.67
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,830.60	73.31
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,447.15	78.94
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,020.48	84.59
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,615.42	90.23
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,231.97	95.86
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel	4,762.08	112.78
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel	5,508.34	107.14
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel	6,232.98	112.78
32 33 13 00-0067		**Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	556.45	50.75
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		**Steel Trash Containment** *(32 33 23)*		
32 33 23 00-0002		**Steel Frame Surrounded With Kiln-Dried Wood** *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	507.96	26.65
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	481.56	26.65
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	481.56	26.65
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	451.87	26.65
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	507.96	26.65
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	451.87	26.65
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	646.53	26.65
32 33 23 00-0010		**Square Steel Frames Surrounded With Flat Steel** *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	978.58	26.65
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,062.43	26.65
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,062.43	26.65
32 33 23 00-0014		**Round Steel Pipe And Flat Steel Frames** *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,481.67	26.65
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,601.46	26.65
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,856.00	26.65
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,676.32	26.65
32 33 23 00-0019		**Round Steel Pipe Surrounded With Perforated** *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,316.97	26.65
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,436.75	26.65
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,691.30	26.65
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,526.59	26.65
32 33 23 00-0024		**Round Steel Pipe Frames Surrounded With Welded Wire** *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,032.48	26.65
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,152.27	26.65
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,406.81	26.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,242.10	26.65
32 33 23 00-0029		**Litter Baskets** *(32 33 23)*		
32 33 23 00-0030		**Round Wire Litter Baskets** *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	189.49	2.71
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	240.73	2.71
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	327.67	2.71
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	376.73	2.71
32 33 23 00-0035		**Trash Can/Wire Basket Holder** *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	233.94	21.77
32 33 23 00-0037	EA	Steel Post, Double Holder	332.00	21.77
32 33 23 00-0038	EA	Redwood Post, Single Holder	113.47	21.77
32 33 23 00-0039	EA	Redwood Post, Double Holder	139.10	21.77
32 33 23 00-0040		**Litter Receptacles, Freestanding** *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,539.98	11.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,622.46	11.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,881.01	16.65
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,963.50	16.65
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,045.99	16.65
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,128.48	16.65
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,695.11	14.43
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,777.60	14.43
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0049		**Ash Receptacles** *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	516.56	11.10
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	210.10	11.10
32 33 23 00-0052		**Trash Receptacles** *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,259.52	11.10
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	477.57	11.10
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	558.63	11.10
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	581.88	12.21
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	626.17	13.32
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	591.29	8.88
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	710.77	8.88
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,157.42	11.10
32 33 23 00-0061		**Trash Containers (Dumpsters)** *(32 33 23)*		
32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	319.14	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	478.72	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	638.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	638.29	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	957.43	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	1,276.57	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	1,914.86	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	2,553.15	

32 33 33 Site Manufactured Planters *(32 33)*

32 33 33 00-0001 Precast Concrete Planters *(32 33 33)*

32 33 33 00-0002 Circular Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	654.04	14.73
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	730.95	17.68
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	801.97	17.68
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	868.44	20.62
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,049.42	26.52
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,145.51	26.52
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,291.35	29.47
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,366.55	29.47
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,517.06	36.84
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,613.69	39.19
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,680.48	41.25
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,526.78	36.84
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,678.39	41.25
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,162.63	44.20
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,808.68	55.98
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,272.04	58.93

32 33 33 00-0019 Square Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,306.31	38.30
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,499.30	41.25
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,394.12	47.15
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,554.59	50.09

32 33 33 00-0024 Rectangular Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	762.28	17.68
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	886.49	26.52
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,030.25	29.47
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,168.22	36.84

32 33 33 00-0029 Fiberglass Planters *(32 33 33)*

32 33 33 00-0030 Circular Fiberglass Planters *(32 33 33 00-0029)*

32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,106.32	14.73
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,537.64	14.73
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,388.09	14.73
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,783.10	14.73

32 33 33 00-0035 Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*

32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	789.84	14.73
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,180.64	14.73
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,142.64	14.73
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	3,011.28	14.73

32 33 33 00-0040 Square Fiberglass Planters *(32 33 33 00-0029)*

32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,052.44	14.73
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,076.93	14.73
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,089.88	14.73
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,242.89	14.73
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,354.36	14.73

32 33 33 00-0046 Rectangular Fiberglass Planters *(32 33 33 00-0029)*

32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,218.66	14.73
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,310.07	14.73
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,721.75	14.73
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,904.59	14.73

32 33 33 00-0051 Timber Planters *(32 33 33)*

32 33 33 00-0052 Square Timber Planters *(32 33 33 00-0051)*

32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	529.76	26.65
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	529.76	26.65
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,068.60	26.65
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	916.81	26.65
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,106.55	26.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,958.32	26.65
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,483.76	26.65

32 33 33 00-0060 Rectangular Timber Planters *(32 33 33 00-0051)*

32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	522.17	26.65
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	590.48	26.65
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	795.39	26.65
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	886.46	26.65
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,159.67	26.65
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,356.99	26.65
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,523.95	26.65
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	2,002.08	26.65
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,267.70	26.65
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,594.04	26.65
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,465.02	26.65
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,798.95	26.65
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,140.46	26.65

32 33 43 Site Seating and Tables *(32 33)*

32 33 43 13 Site Seating *(32 33 43)*

32 33 43 13-0001 Benches (Landscapeforms) *(32 33 43 13)*

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,422.66	44.42
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,796.12	44.42
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,036.21	44.42
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	155.60	11.11
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,561.84	44.42
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	1,776.41	44.42
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,944.58	44.42
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,205.55	44.42
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,234.54	44.42
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,495.51	44.42
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	2,921.87	44.42
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,181.90	44.42
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	791.99	33.31
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	860.42	33.31
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	926.28	38.87
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,090.51	38.87
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	994.71	38.87
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,063.14	38.87
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,142.67	44.42
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,320.59	44.42
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,117.88	38.87
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,197.42	44.42
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,265.85	44.42
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,443.77	44.42
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,338.93	44.42
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,698.48	44.42
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,476.01	44.42
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,796.12	44.42
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,956.18	44.42
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	1,903.99	44.42
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,118.56	44.42
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,350.53	44.42
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,565.10	44.42
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,785.47	44.42
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,443.32	44.42
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,657.89	44.42
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,011.64	44.42
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,237.81	44.42
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,446.58	44.42
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	555.75	11.11
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	752.92	11.11
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	752.92	11.11
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	683.33	11.11
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	851.51	11.11
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	851.51	11.11
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	851.51	11.11
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	155.60	11.11
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	787.71	11.11
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	874.70	11.11
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	961.69	11.11
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	955.89	11.11
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,042.88	11.11
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,129.87	11.11
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	944.29	11.11
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,031.28	11.11
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,118.27	11.11
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,158.86	11.11
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,245.85	11.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,332.84	11.11
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,158.86	11.11
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,245.85	11.11
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,332.84	11.11
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,538.64	44.42
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,561.84	44.42
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,915.59	44.42
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,338.93	44.42
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	2,773.87	44.42
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,185.61	44.42
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,225.48	44.42
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,654.62	44.42
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,695.22	44.42
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	1,961.98	44.42
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,222.95	44.42
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,495.51	44.42
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,762.27	44.42
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,222.95	44.42
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	2,704.28	44.42
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,174.01	44.42
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,446.58	44.42
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,026.50	44.42
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,293.26	44.42
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,554.22	44.42
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,034.61	38.87
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,260.78	38.87
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,382.56	38.87
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,619.83	44.42
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,846.00	44.42

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	860.31	22.22
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	995.78	22.22
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,293.80	22.22
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	900.96	22.22
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,036.42	22.22
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,347.99	22.22
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,347.99	22.22
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,578.28	22.22
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,052.41	22.22
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,415.72	22.22
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,646.01	22.22
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,147.23	22.22
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,662.00	22.22
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,136.12	22.22
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,125.01	22.22
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,729.73	22.22
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,203.85	22.22
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,219.84	22.22
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,009.33	22.22
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,144.79	22.22
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,049.97	22.22
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,185.43	22.22
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,727.29	22.22
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,052.41	22.22
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,835.66	22.22
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,160.78	22.22
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,033.10	33.31
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,087.28	33.31
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,507.22	33.31
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	806.13	22.22
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	941.60	22.22
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,077.06	22.22
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,402.18	22.22
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,537.64	22.22
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	819.68	22.22
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	955.14	22.22
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,090.61	22.22
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,442.81	22.22
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,578.28	22.22
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,429.27	22.22
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,659.56	22.22
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,160.78	22.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,391.07	22.22
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,456.36	22.22
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,686.65	22.22
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,201.42	22.22
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,431.71	22.22
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,429.27	22.22
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,038.86	22.22
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,808.57	22.22
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,404.61	22.22
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,634.90	22.22
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,646.01	22.22
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,079.50	22.22
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,835.66	22.22
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,445.25	22.22
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,675.54	22.22
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,480.13	33.31
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,723.97	33.31
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,238.73	33.31
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,629.14	33.31
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,872.98	33.31
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,469.02	33.31

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,198.98	22.22
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,659.56	22.22
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,239.62	22.22
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,700.20	22.22
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,916.94	22.22
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,255.60	22.22
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,025.31	22.22
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,363.97	22.22
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,168.56	33.31
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,425.95	33.31
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,696.87	33.31
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	968.68	22.22
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,320.90	22.22
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,591.83	22.22
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,009.33	22.22
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,361.54	22.22
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,646.01	22.22
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,578.28	22.22
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,147.23	22.22
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,621.36	22.22
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,646.01	22.22
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,242.06	22.22
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,716.18	22.22
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,136.12	22.22
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,341.76	22.22
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,815.88	22.22
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,203.85	22.22
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,436.58	22.22
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,910.71	22.22
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,944.03	22.22
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,729.73	22.22
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,607.81	22.22
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	3,000.66	22.22
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,057.28	22.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,971.13	22.22
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,770.37	22.22
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,648.45	22.22
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,041.30	22.22
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,125.01	22.22
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,818.79	33.31
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,482.57	33.31
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,092.16	33.31
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,049.08	33.31
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,767.04	33.31
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,051.52	33.31
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	860.32	22.22
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,144.79	22.22
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,564.73	22.22
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,849.21	22.22
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,160.78	22.22
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	887.41	22.22
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,171.89	22.22
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,605.37	22.22
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,889.85	22.22
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,214.96	22.22
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,727.29	22.22
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,391.07	22.22
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,960.02	22.22
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,339.32	22.22
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,754.38	22.22
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,431.71	22.22
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	3,000.66	22.22
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,393.50	22.22

32 33 43 53 Site Tables *(32 33 43)*

32 33 43 53-0001 Tables *(32 33 43 53)*

32 33 43 53-0002 Tables (Wabash) *(32 33 43 53-0001)*

32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,583.57	39.97
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	8,090.48	39.97
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,365.73	39.97
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,532.05	44.42

32 33 43 53-0007 Tables (Landscapeforms) *(32 33 43 53-0001)*

32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	657.16	41.53
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	842.74	41.53
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	842.74	41.53
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	842.74	41.53
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	2,712.86	41.53
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,401.10	41.53
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,115.31	41.53
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	231.97	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,111.81	39.97
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,090.51	31.09
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	898.91	31.09
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,489.22	39.97
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,401.10	41.53
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,401.10	41.53
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,141.54	41.53
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,141.54	41.53
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,569.97	41.53
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,569.97	41.53
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,310.41	41.53
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,310.41	41.53
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,505.02	41.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,505.02	41.53
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,297.42	41.53
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,297.42	41.53
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,673.89	41.53
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,673.89	41.53
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,466.29	41.53
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,466.29	41.53
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,556.98	41.53
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,556.98	41.53
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,310.41	41.53
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,310.41	41.53
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,725.85	41.53
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,725.85	41.53
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,479.28	41.53
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,479.28	41.53
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,686.88	41.53
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,686.88	41.53
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,505.26	41.53
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,505.26	41.53
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,855.75	41.53
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,855.75	41.53
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,674.14	41.53
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,674.14	41.53
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,222.95	41.53
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,222.95	41.53
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,953.64	41.53
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,953.64	41.53
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,315.73	41.53
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,315.73	41.53
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,034.83	41.53
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,034.83	41.53
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,327.33	41.53
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,327.33	41.53
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,092.83	41.53
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,092.83	41.53
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,408.52	41.53
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,408.52	41.53
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,174.01	41.53
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,174.01	41.53
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,373.72	41.53
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,373.72	41.53
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,116.02	41.53
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,116.02	41.53
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,460.71	41.53
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,460.71	41.53
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,197.21	41.53
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,197.21	41.53
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,518.70	41.53
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,518.70	41.53
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,342.19	41.53
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,342.19	41.53
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,599.89	41.53
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,599.89	41.53
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,423.38	41.53
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,423.38	41.53
32 33 43 53-0084		Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*		
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,876.68	51.88
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,983.54	51.88
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,092.66	51.88
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,138.02	51.88
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,678.34	51.88
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,924.31	51.88
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,263.27	51.88
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,478.49	51.88
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,001.17	51.88
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,216.40	51.88
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,938.17	51.88
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,647.59	51.88
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,862.82	51.88
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,584.59	51.88
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,324.01	51.88
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,569.97	51.88
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,908.18	51.88
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,154.15	51.88
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,938.17	51.88
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,184.14	51.88
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,938.17	51.88
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,184.14	51.88
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,135.90	20.74
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,535.60	20.74
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	314.31	10.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,324.01	51.88
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,815.94	51.88
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,569.97	51.88
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,061.91	51.88
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,708.33	51.88
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,200.27	51.88
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	3,954.30	51.88
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,446.24	51.88
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,195.88	20.74
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,595.58	20.74
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,580.21	20.74
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,979.91	20.74
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	8,043.52	51.88
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,904.41	51.88
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	8,043.52	51.88
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,904.41	51.88
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,878.95	51.88
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,078.79	51.88
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,278.64	51.88
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,017.30	51.88
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,217.15	51.88
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,417.00	51.88
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,832.83	51.88
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	1,971.18	51.88
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,109.54	51.88
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	1,971.18	51.88
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,109.54	51.88
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,247.90	51.88
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,771.33	51.88
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	1,971.18	51.88
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,171.03	51.88
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,771.33	51.88
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	1,971.18	51.88
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,171.03	51.88
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,771.33	51.88
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	1,971.18	51.88
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,171.03	51.88
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,679.10	51.88
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,817.45	51.88
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	1,955.81	51.88
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,679.10	51.88
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,817.45	51.88
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	1,955.81	51.88
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,679.10	51.88
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,817.45	51.88
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	1,955.81	51.88
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,602.23	51.88
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,802.08	51.88
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,001.93	51.88
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,740.59	51.88
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	1,940.44	51.88
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,140.29	51.88
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,479.25	51.88
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,602.23	51.88
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,740.59	51.88
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,602.23	51.88
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,740.59	51.88
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	1,878.95	51.88
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,694.47	51.88
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	1,894.32	51.88
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,094.17	51.88
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,694.47	51.88
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	1,894.32	51.88
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,094.17	51.88
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,694.47	51.88
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	1,894.32	51.88
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,094.17	51.88
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,586.86	51.88
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,725.21	51.88
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,863.57	51.88
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,586.86	51.88
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,725.21	51.88
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,863.57	51.88
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,586.86	51.88
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,725.21	51.88
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,863.57	51.88
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,479.25	51.88
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,540.74	51.88
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,602.23	51.88
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,617.60	51.88
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,679.10	51.88
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,740.59	51.88
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,463.87	51.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,509.99	51.88
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,556.11	51.88
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,602.23	51.88
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,648.35	51.88
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,694.47	51.88
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,509.99	51.88
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,571.49	51.88
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,632.98	51.88
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,509.99	51.88
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,571.49	51.88
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,632.98	51.88
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,509.99	51.88
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,571.49	51.88
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,632.98	51.88
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,509.99	51.88
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,556.11	51.88
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,602.23	51.88
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,509.99	51.88
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,556.11	51.88
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,602.23	51.88
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,509.99	51.88
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,556.11	51.88
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,602.23	51.88
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,540.74	51.88
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,602.23	51.88
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,663.72	51.88
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,679.10	51.88
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,740.59	51.88
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,802.08	51.88
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,648.35	51.88
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,694.47	51.88
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,740.59	51.88
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,786.71	51.88
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,832.83	51.88
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	1,878.95	51.88
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,617.60	51.88
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,679.10	51.88
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,740.59	51.88
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,617.60	51.88
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,679.10	51.88
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,740.59	51.88
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,617.60	51.88
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,679.10	51.88
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,740.59	51.88
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,725.21	51.88
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,771.33	51.88
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,817.45	51.88
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,725.21	51.88
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,771.33	51.88
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,817.45	51.88
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,725.21	51.88
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,771.33	51.88
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,817.45	51.88
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,279.40	51.88
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,325.52	51.88
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,371.64	51.88
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,417.75	51.88
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,463.87	51.88
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,509.99	51.88
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,540.74	51.88
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,602.23	51.88
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,663.72	51.88
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,371.64	51.88
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,433.13	51.88
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,494.62	51.88
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,248.65	51.88
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,294.77	51.88
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,340.89	51.88
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,387.01	51.88
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,433.13	51.88
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,479.25	51.88

32 33 43 53-0264 Picnic Tables *(32 33 43 53)*

32 33 43 53-0265 Wooden Picnic Tables *(32 33 43 53-0264)*

32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	986.42	33.31

32 33 43 53-0267 Portable Picnic Tables *(32 33 43 53-0264)*

32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,832.44	22.22
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,696.53	22.22
32 33 43 53-0270	EA	8' Aluminum Table And Frame	3,212.81	27.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0271	EA	6' Steel Table And Frame	1,300.01	22.22
32 33 43 53-0272	EA	8' Steel Table And Frame	1,482.77	27.76
32 33 43 53-0273		**Concrete Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,459.49	88.84
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	2,865.14	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	2,875.07	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	2,994.58	
32 33 43 53-0278		**Plastic Picnic Tables** *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		**Pedestal Tables - 4' Square, 2 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,701.29	33.31
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,874.92	33.31
32 33 43 53-0282		**Pedestal Tables - 4' Square, 4 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,264.36	33.31
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,497.53	33.31
32 33 43 53-0285		**Recycled Plastic Tables** *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	3,000.23	33.31
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,480.23	33.31
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,719.20	33.31
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,535.67	33.31
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	3,219.60	33.31
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,236.21	26.65
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		**Picnic Grills** *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	411.57	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	443.35	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		**Skate Stoppers** *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	54.26	
		For >59 To 99, Deduct	*-6.60*	
		For >99 To 249, Deduct	*-8.17*	
		For >249, Deduct	*-9.74*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	58.28	
		For >59 To 99, Deduct	*-7.16*	
		For >99 To 249, Deduct	*-8.85*	
		For >249, Deduct	*-10.55*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	37.17	
		For >59 To 99, Deduct	*-4.20*	
		For >99 To 249, Deduct	*-5.26*	
		For >249, Deduct	*-6.32*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	27.11	
		For >59 To 99, Deduct	*-2.80*	
		For >99 To 249, Deduct	*-3.55*	
		For >249, Deduct	*-4.31*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	30.87	
		For >59 To 99, Deduct	*-3.32*	
		For >99 To 249, Deduct	*-4.19*	
		For >249, Deduct	*-5.06*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	28.97	
		For >59 To 99, Deduct	*-3.06*	
		For >99 To 249, Deduct	*-3.87*	
		For >249, Deduct	*-4.68*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	26.49	
		For >59 To 99, Deduct	*-2.71*	
		For >99 To 249, Deduct	*-3.45*	
		For >249, Deduct	*-4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	41.86	
		For >59 To 99, Deduct	*-4.86*	
		For >99 To 249, Deduct	*-6.06*	
		For >249, Deduct	*-7.26*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	87.99	
		For >59 To 99, Deduct	*-11.32*	
		For >99 To 249, Deduct	*-13.90*	
		For >249, Deduct	*-16.49*	

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0081 for concrete core drilling, 02 41 19 13-0219 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	54.44	6.35
		For Galvanized Steel, Add	*7.09*	
		For 304 Stainless Steel, Add	*56.34*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*74.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*63.34*	
		For Schedule 80, Add	*7.53*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*6.49*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	78.53	6.35
		For Galvanized Steel, Add	*11.19*	
		For 304 Stainless Steel, Add	*88.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*74.84*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*63.34*	
		For Schedule 80, Add	*11.14*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*9.31*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	113.51	7.95
		For Galvanized Steel, Add	*16.60*	
		For 304 Stainless Steel, Add	*131.79*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*101.56*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*167.78*	
		For Schedule 80, Add	*16.23*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*12.43*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	152.63	9.54
		For Galvanized Steel, Add	*22.71*	
		For 304 Stainless Steel, Add	*180.32*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*114.24*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*174.12*	
		For Schedule 80, Add	*21.94*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*15.28*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	191.16	12.71
		For Galvanized Steel, Add	*28.18*	
		For 304 Stainless Steel, Add	*223.76*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*160.64*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*245.82*	
		For Schedule 80, Add	*27.40*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*17.96*	

32 39 13 00-0008 Cast Bollards *(32 39 13 00-0001)*

32 39 13 00-0009	EA	36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,905.15	38.12
32 39 13 00-0010	EA	36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,280.51	38.12
32 39 13 00-0011	EA	36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,601.07	38.12
32 39 13 00-0012	EA	36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	2,984.57	38.12

32 39 23 Manufactured Concrete Bollards *(32 39)*

32 39 23 00-0001 Concrete Bollards *(32 39 23)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	465.59	50.83
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	465.59	50.83

32 39 25 Manufactured Wood Bollards *(32 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 25 00-0001		**Wood Bollards** *(32 39 25)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002		**Wood Bollard, Pressure Treated Timber** *(32 39 25 00-0001)*		
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	12.31	5.08
		For Each Sleeve For Removable, Lockable Bollard, Add	*115.32*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	14.57	5.08
		For Each Sleeve For Removable, Lockable Bollard, Add	*115.32*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	19.28	5.72
		For Each Sleeve For Removable, Lockable Bollard, Add	*192.86*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	27.49	7.63
		For Each Sleeve For Removable, Lockable Bollard, Add	*200.50*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	37.95	10.16
		For Each Sleeve For Removable, Lockable Bollard, Add	*285.66*	
32 39 27		**Manufactured Plastic Bollards** *(32 39)*		
32 39 27 00-0001		**Plastic Bollards** *(32 39 27)* See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002		**Recycled Plastic Bollards** *(32 39 27 00-0001)*		
32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	311.48	25.41
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	543.53	25.41
32 39 27 00-0005		**Plastic Bollard Covers** *(32 39 27 00-0001)*		
32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	81.04	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	87.08	6.67
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	115.50	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	115.50	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	131.59	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	115.50	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	117.80	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	115.50	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	117.80	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	170.65	6.07
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	116.71	6.67
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	153.48	6.67
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	176.69	6.67
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	145.50	7.28
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	159.28	7.28
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	159.28	7.28
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	221.34	7.28
		For Reflective Tape, Add	*10.94*	
32 39 29		**Manufactured Stone Bollards** *(32 39)*		
32 39 29 00-0001		**Stone Bollards** *(32 39 29)* See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 29 00-0002		**Granite Bollards** *(32 39 29 00-0001)*		
32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,704.36	63.54
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,128.00	88.96
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	970.21	63.54
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,592.92	50.83
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,467.59	50.83

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13		**Drip Irrigation** *(32 84)*		
32 84 13 00-0001		Drip Emitter Irrigation Devices *(32 84 13)*		
32 84 13 00-0002		Drip Emitter Irrigation Valves *(32 84 13 00-0001)*		
32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	35.23	7.54
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	62.75	7.54
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	60.83	7.54
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	86.69	7.54
32 84 13 00-0007		Drip Emitter Irrigation Filters *(32 84 13 00-0001)*		
32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	141.34	7.54
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	142.76	7.54
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	47.25	7.54
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	48.39	7.54
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	154.58	7.54
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	64.36	7.54
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	73.28	7.54
32 84 13 00-0015		Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*		
32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	46.09	7.54
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	46.09	7.54
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	46.09	7.54
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	55.47	7.54
32 84 13 00-0020		Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*		
		Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	3.15	1.06
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	2.83	1.21
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	2.25	1.06
		For Shallow Trenching And Backfill By Hand, Add	*4.28*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	2.78	1.21
		For Shallow Trenching And Backfill By Hand, Add	*4.64*	
32 84 13 00-0025		Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.05	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.09	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.14	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	2.30	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	2.03	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.22	
		For Compression Fitting, Add	*0.34*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	2.32	
		For Compression Fitting, Add	*0.44*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	2.37	
		For Compression Fitting, Add	*0.49*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	2.39	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	2.60	
		For Compression Fitting, Add	*0.72*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	2.83	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.39	
32 84 13 00-0038		Drip Emitters *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	4.29	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	5.20	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	12.08	
32 84 13 00-0042		Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	16.48	6.78
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	16.53	6.78
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	19.04	6.78
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	19.31	6.78
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)	29.07	8.89
		Note: Includes nozzle.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) ..... Note: Includes nozzle.	32.31	8.89
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) ..... Note: Includes nozzle.	35.59	8.89
32 84 13 00-0050		Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	3.29	1.32
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		Sprinkler Heads *(32 84 23)*		
32 84 23 00-0002		Spray Sprinkler Heads *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	25.20	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	23.36	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	30.17	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	35.87	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	25.92	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	35.51	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	40.12	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	28.65	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	37.39	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	41.70	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	29.74	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	43.16	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	47.41	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	19.77	8.33
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	24.04	8.33
32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	38.67	8.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	40.18	8.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	35.02	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	51.41	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	38.06	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	53.84	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	39.27	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	41.70	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	57.48	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	67.20	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	41.40	8.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	51.11	8.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		**1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	74.18	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*44.68*	
32 84 23 00-0035		**1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	109.39	8.33
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		**Impact-Drive Sprinkler Heads** *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	57.18	8.33
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	42.61	8.33
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	91.15	8.33
32 84 23 00-0041		**Electric Remote Control Irrigation Valves** *(32 84 23)*		
32 84 23 00-0042		**0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)** *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	106.30	34.73
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	106.30	34.73
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	116.23	39.59
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	107.51	34.73
32 84 23 00-0047		**0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)** *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	107.51	34.73
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	118.05	39.59
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	119.26	39.59
32 84 23 00-0051		**0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	204.64	34.73
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	247.13	34.73
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	301.76	34.73
32 84 23 00-0055		**5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	305.34	39.03
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	347.83	39.03
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	402.47	39.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0059		**20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)** *(32 84 23 00-0041)* Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	366.05	39.03
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	408.54	39.03
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	463.17	39.03
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)* Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	325.49	34.73
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	520.85	34.73
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	538.51	34.73
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,307.21	46.88
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)* Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	292.17	39.03
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	350.26	39.03
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	413.33	39.03
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	496.38	39.03
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)* Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	401.36	39.03
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	633.14	39.03
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	653.01	39.03
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,410.15	39.03
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)* Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	413.79	34.73
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	609.14	34.73
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	626.80	34.73
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,395.51	46.88
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)* Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	383.23	39.03
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	441.32	39.03
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	504.39	39.03
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	587.43	39.03
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)* Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	489.66	39.03
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	721.44	39.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	741.30	39.03
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,498.44	39.03
32 84 23 00-0093		Other Electric Remote Control Valves/Accessories *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	118.84	
32 84 23 00-0095		Irrigation Valve Boxes *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0096	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	60.31	25.00
32 84 23 00-0097	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	74.65	25.00
32 84 23 00-0098	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	97.81	32.91
32 84 23 00-0099	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	185.60	48.06
32 84 23 00-0100	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	191.05	48.06
32 84 23 00-0101	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	230.19	48.06
32 84 23 00-0102	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	234.85	48.06
32 84 23 00-0103	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	458.50	48.06
32 84 23 00-0104	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	748.17	48.06
32 84 23 00-0105		Irrigation Controllers *(32 84 23)*		
		See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0106		Irrigation Controllers *(32 84 23 00-0105)*		
32 84 23 00-0107		Irrigation Controllers (Rain Bird®) *(32 84 23 00-0106)*		
32 84 23 00-0108		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0107)*		
32 84 23 00-0109		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0108)*		
32 84 23 00-0110		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0109)*		
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	290.04	17.77
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	403.70	17.77
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	517.38	17.77
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	631.05	17.77
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	726.96	17.77
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	842.84	17.77
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	958.74	17.77
32 84 23 00-0118		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0109)*		
32 84 23 00-0119	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	351.92	17.77
32 84 23 00-0120	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	465.58	17.77
32 84 23 00-0121	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	579.26	17.77
32 84 23 00-0122	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	692.93	17.77
32 84 23 00-0123	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	788.84	17.77
32 84 23 00-0124	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	904.72	17.77
32 84 23 00-0125	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,020.62	17.77
32 84 23 00-0126		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0108)*		
32 84 23 00-0127		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0126)*		
32 84 23 00-0128	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	504.99	17.77
32 84 23 00-0129	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	618.66	17.77
32 84 23 00-0130	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	732.33	17.77
32 84 23 00-0131	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	846.01	17.77
32 84 23 00-0132	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	941.91	17.77
32 84 23 00-0133	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,057.80	17.77
32 84 23 00-0134	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,173.69	17.77
32 84 23 00-0135		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0126)*		
32 84 23 00-0136	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	551.36	17.77
32 84 23 00-0137	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	665.02	17.77
32 84 23 00-0138	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	778.70	17.77
32 84 23 00-0139	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	892.37	17.77
32 84 23 00-0140	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	988.28	17.77
32 84 23 00-0141	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,104.16	17.77
32 84 23 00-0142	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,220.06	17.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0143		**Accessories For ESP-ME/MEI Irrigation Controllers** *(32 84 23 00-0108)*		
32 84 23 00-0144	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	115.89	
32 84 23 00-0145	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	218.87	
32 84 23 00-0146	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	367.84	
32 84 23 00-0147		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)** *(32 84 23 00-0107)*		
32 84 23 00-0148		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0147)*		
32 84 23 00-0149	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	718.18	17.77
32 84 23 00-0150	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	863.21	17.77
32 84 23 00-0151	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,011.22	17.77
32 84 23 00-0152	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,156.25	17.77
32 84 23 00-0153	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,304.26	17.77
32 84 23 00-0154	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,449.27	17.77
32 84 23 00-0155	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,597.29	17.77
32 84 23 00-0156	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,742.31	17.77
32 84 23 00-0157	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,890.33	17.77
32 84 23 00-0158	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,035.35	17.77
32 84 23 00-0159		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)** *(32 84 23 00-0147)*		
32 84 23 00-0160	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	753.24	17.77
32 84 23 00-0161	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	898.24	17.77
32 84 23 00-0162	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,046.27	17.77
32 84 23 00-0163	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,191.28	17.77
32 84 23 00-0164	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,339.31	17.77
32 84 23 00-0165	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,484.32	17.77
32 84 23 00-0166	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,632.34	17.77
32 84 23 00-0167	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,777.36	17.77
32 84 23 00-0168	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,925.38	17.77
32 84 23 00-0169	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,070.40	17.77
32 84 23 00-0170	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,218.42	17.77
32 84 23 00-0171		**Accessories For ESP-LX/LXME Irrigation Controllers** *(32 84 23 00-0147)*		
32 84 23 00-0172	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	592.12	
32 84 23 00-0173	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,386.82	
32 84 23 00-0174	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,349.90	
32 84 23 00-0175	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,007.42	
32 84 23 00-0176	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	145.01	
32 84 23 00-0177	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	293.04	
32 84 23 00-0178	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	458.68	
32 84 23 00-0179	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	178.09	
32 84 23 00-0180		**Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)** *(32 84 23 00-0107)*		
32 84 23 00-0181		**Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)** *(32 84 23 00-0180)*		
32 84 23 00-0182	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	368.43	17.77
32 84 23 00-0183	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	438.71	17.77
32 84 23 00-0184	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	528.27	17.77
32 84 23 00-0185		**Accessories For TBOS-II Series Irrigation Controllers** *(32 84 23 00-0180)*		
32 84 23 00-0186	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	525.19	
32 84 23 00-0187	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	85.24	13.32
32 84 23 00-0188		**Accessories For Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0107)*		
32 84 23 00-0189	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	102.83	13.32
32 84 23 00-0190	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	228.39	13.32
32 84 23 00-0191	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	246.40	13.32

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32 84 23 00-0192	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	402.46	13.32
32 84 23 00-0193		**Two-Wire Decoder Systems** *(32 84 23 00-0105)*		
32 84 23 00-0194		**Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0193)*		
32 84 23 00-0195		**Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)** *(32 84 23 00-0194)*		
		Note: Includes water resistant cabinet.		
32 84 23 00-0196	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,255.05	17.77
32 84 23 00-0197	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,031.19	17.77
32 84 23 00-0198	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,807.31	17.77
32 84 23 00-0199		**Field Decoders For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0194)*		
32 84 23 00-0200	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	263.75	17.77
32 84 23 00-0201	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	338.66	17.77
32 84 23 00-0202	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	514.57	17.77
32 84 23 00-0203	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	641.78	17.77
32 84 23 00-0204	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,088.37	17.77
32 84 23 00-0205		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0194)*		
32 84 23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	1,643.19	
32 84 23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	776.12	
32 84 23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	197.60	15.55
32 84 23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	997.27	17.77
32 84 23 00-0210		**Calsense Controllers** *(32 84 23 00-0105)*		
32 84 23 00-0211		**Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,857.31	44.42
32 84 23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,705.40	49.97
32 84 23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,120.05	55.53
32 84 23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,647.99	55.53
32 84 23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,689.23	61.08
32 84 23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,105.65	61.08
32 84 23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,185.52	66.63
32 84 23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,305.78	66.63
32 84 23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,970.92	22.22
32 84 23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,215.02	22.22
32 84 23 00-0222	EA	Custom Top Entry 12 Gauge Stainless Steel With Programmable 8-Position Lock Assembly Note: Includes non-removable front access door internal mounted release handle.	1,087.85	86.81
32 84 23 00-0223		**Irrigation Controller Accessories** *(32 84 23 00-0210)*		
32 84 23 00-0224	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	123.62	
32 84 23 00-0225	EA	Spare Lock For Enclosures (Calsense PAD)	133.92	
32 84 23 00-0226	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	145.03	5.55
32 84 23 00-0227	EA	Transformer For Irrigation Controllers (Calsense TR-1)	173.19	22.22
32 84 23 00-0228	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	572.36	22.22
32 84 23 00-0229	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	778.39	22.22
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*313.45*	
32 84 23 00-0230		**Sensors For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0231		**Flow Sensors** *(32 84 23 00-0230)*		
32 84 23 00-0232	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,380.04	33.31
		For Flow Meter Replacement Insert Only, Deduct	*-1,040.62*	
32 84 23 00-0233	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,431.55	33.31
		For Flow Meter Replacement Insert Only, Deduct	*-1,092.13*	
32 84 23 00-0234	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,483.06	33.31
		For Flow Meter Replacement Insert Only, Deduct	*-1,143.64*	
32 84 23 00-0235	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,621.16	44.42
		For Flow Meter Replacement Insert Only, Deduct	*-1,281.27*	
32 84 23 00-0236	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,749.92	44.42
		For Flow Meter Replacement Insert Only, Deduct	*-1,410.03*	
32 84 23 00-0237	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,801.43	44.42
		For Flow Meter Replacement Insert Only, Deduct	*-1,461.54*	
32 84 23 00-0238	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,136.22	44.42
		For Flow Meter Replacement Insert Only, Deduct	*-1,668.30*	
32 84 23 00-0239	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,692.62	22.22
		For Flow Meter Replacement Insert Only, Deduct	*-1,224.70*	
32 84 23 00-0240		**Moisture Sensors** *(32 84 23 00-0230)*		
32 84 23 00-0241	EA	Soil Moisture Sensor (Calsense 1000-S)	574.13	16.66

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32 84 23 00-0242		**Weather Sensors** *(32 84 23 00-0230)*		
32 84 23 00-0243	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,569.65	44.42
32 84 23 00-0244	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,710.01	88.84
32 84 23 00-0245	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,674.33	66.63
32 84 23 00-0246		**Weather Sensor Accessories** *(32 84 23 00-0230)*		
32 84 23 00-0247	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,074.55	
32 84 23 00-0248	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,078.92	
32 84 23 00-0249	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,074.55	22.22
32 84 23 00-0250	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,584.66	22.22
32 84 23 00-0251		**Antennas For Irrigation Controllers** *(32 84 23 00-0210)* Note: Excludes antenna cable.		
32 84 23 00-0252	EA	Local Radio Dome Antenna (Calsense LR-DOME)	533.73	22.22
32 84 23 00-0253	EA	Local Radio Stick Antenna (Calsense LR-STICK)	804.14	22.22
32 84 23 00-0254	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	848.56	44.42
32 84 23 00-0255	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	533.73	22.22
32 84 23 00-0256	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	533.73	22.22
32 84 23 00-0257	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	533.73	22.22
32 84 23 00-0258	EA	GPRS Stick Antenna (Calsense GR-STICK)	804.14	22.22
32 84 23 00-0259	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	533.73	22.22
32 84 23 00-0260	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	804.14	22.22
32 84 23 00-0261	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	848.56	44.42
32 84 23 00-0262	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	533.73	22.22
32 84 23 00-0263	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	533.73	22.22
32 84 23 00-0264	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	533.73	22.22
32 84 23 00-0265	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	533.73	22.22
32 84 23 00-0266	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.48	0.26
32 84 23 00-0267	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	563.04	11.11
32 84 23 00-0268	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	907.15	22.22
32 84 23 00-0269	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	836.98	
32 84 23 00-0270	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,184.65	
32 84 23 00-0271	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	875.61	
32 84 23 00-0272		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0273	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	452.93	33.31
32 84 23 00-0274	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,164.59	55.53
32 84 23 00-0275	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,396.46	22.22
32 84 23 00-0276	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,694.39	16.66
32 84 23 00-0277	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,404.61	16.66
32 84 23 00-0278	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	6,111.07	16.66
32 84 23 00-0279	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,842.62	33.31
32 84 23 00-0280	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	9,272.81	33.31
32 84 23 00-0281	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	292.05	
32 84 23 00-0282	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	947.55	
32 84 23 00-0283		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0210)*		
32 84 23 00-0284	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,810.49	
32 84 23 00-0285	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	12,101.60	
32 84 23 00-0286	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,304.89	
32 84 23 00-0287	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,578.66	
32 84 23 00-0288	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,385.89	
32 84 23 00-0289	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,424.87	
32 84 23 00-0290		**Data Access Service** *(32 84 23 00-0210)*		
32 84 23 00-0291	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	37.46	
32 84 23 00-0292	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	409.71	
32 84 23 00-0293	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,755.90	
32 84 23 00-0294	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	152.18	
32 84 23 00-0295	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,638.84	
32 84 23 00-0296	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	7,023.60	

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32 84 23 00-0297		**Communication Options For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0298	EA	FCC License Fee (Calsense)	221.22	
32 84 23 00-0299	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	455.34	
32 84 23 00-0300	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,357.90	
32 84 23 00-0301	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,428.13	
32 84 23 00-0302	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,428.13	
32 84 23 00-0303	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,926.50	
32 84 23 00-0304	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,722.51	
32 84 23 00-0305	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,722.51	
32 84 23 00-0306	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,722.51	
32 84 23 00-0307	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,940.12	
32 84 23 00-0308	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,570.00	
32 84 23 00-0309		**Retrofit Options For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0310		**Weather Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0311	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,765.20	
32 84 23 00-0312	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,765.20	
32 84 23 00-0313	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,765.20	
32 84 23 00-0314	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,765.20	
32 84 23 00-0315		**Phone Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0316	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,858.85	
32 84 23 00-0317	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,210.03	
32 84 23 00-0318	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,579.63	
32 84 23 00-0319		**Local Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0320	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,092.97	
32 84 23 00-0321	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,480.99	
32 84 23 00-0322	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,838.89	
32 84 23 00-0323		**Spread Spectrum Radio Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0324	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,092.97	
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,480.99	
32 84 23 00-0326	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,838.89	
32 84 23 00-0327		**Ethernet Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0328	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,092.97	
32 84 23 00-0329	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,210.03	
32 84 23 00-0330	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,579.63	
32 84 23 00-0331		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0309)*		
32 84 23 00-0332	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,092.97	
32 84 23 00-0333	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,480.99	
32 84 23 00-0334	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,838.89	
32 84 23 00-0335		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0210)*		
32 84 23 00-0336	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,104.68	
32 84 23 00-0337	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	463.56	
32 84 23 00-0338	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	199.00	
32 84 23 00-0339	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	338.88	
32 84 23 00-0340	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	210.11	5.55
32 84 23 00-0341	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	420.82	5.55
32 84 23 00-0342	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	455.94	5.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0343		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0105)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0344	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,811.47	99.95
32 84 23 00-0345	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,073.88	105.50
32 84 23 00-0346	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,140.20	111.05
32 84 23 00-0347		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0348		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0347)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0349	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	870.23	28.63
32 84 23 00-0350	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,030.60	34.96
32 84 23 00-0351	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,581.30	40.69
32 84 23 00-0352	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,665.21	46.72
32 84 23 00-0353	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,989.03	60.28
32 84 23 00-0354		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0347)*		
32 84 23 00-0355	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	133.26	25.00
		For Valve Key, Add	*44.62*	
32 84 23 00-0356	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	138.42	25.00
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*44.62*	
32 84 23 00-0357	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	195.18	25.00
		For Valve Key, Add	*114.12*	
32 84 23 00-0358	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	215.82	25.00
		For Valve Key, Add	*114.12*	
32 84 23 00-0359		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0347)* Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0360	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	288.45	21.10
32 84 23 00-0361	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	422.79	24.11
32 84 23 00-0362	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	790.34	27.88
32 84 23 00-0363	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	964.69	30.90
32 84 23 00-0364	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	964.14	37.67
32 84 23 00-0365		**Manual Sprinkler Control Valves** *(32 84 23 00-0347)*		
32 84 23 00-0366	EA	3/4" Manual Sprinkler Control Valves, With Union	86.09	20.34
32 84 23 00-0367	EA	1" Manual Sprinkler Control Valves, With Union	105.12	21.85
32 84 23 00-0368	EA	1-1/4" Manual Sprinkler Control Valves, With Union	168.86	27.66
32 84 23 00-0369	EA	1-1/2" Manual Sprinkler Control Valves, With Union	201.33	31.87
32 84 23 00-0370	EA	2" Manual Sprinkler Control Valves, With Union	276.76	37.67
32 84 23 00-0371		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0372	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.28	0.86
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0373	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.77	1.04
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0374	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.06	1.32
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0375	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.34	1.65
		For >1,000, Deduct	*-0.27*	
32 84 23 00-0376	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	7.08	1.93
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0377	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	1.98	0.69
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0378	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.50	0.86
		For >1,000, Deduct	*-0.13*	
32 84 23 00-0379	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	3.14	1.04
		For >1,000, Deduct	*-0.16*	
32 84 23 00-0380	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	4.32	1.32
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0381	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	5.56	1.65
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0382	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	7.41	1.93
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0383	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	10.17	2.78
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0384	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.15	0.69
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0385	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	2.71	0.86
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0386	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	3.48	1.04
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0387	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	5.00	1.32
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0388	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittingss	6.70	1.65
		For >1,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0389	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	8.89	1.93
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0390	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings	12.25	2.78
		For >1,000, Deduct	*-0.61*	
32 84 23 00-0391	LF	1/2" Poly Pipe, 100 PSI, Non-NSF	1.74	0.74
		For >1,000, Deduct	*-0.09*	
32 84 23 00-0392	LF	3/4" Poly Pipe, 100 PSI, Non-NSF	1.90	0.78
		For >1,000, Deduct	*-0.10*	
32 84 23 00-0393	LF	1" Poly Pipe, 100 PSI, Non-NSF	2.43	0.92
		For >1,000, Deduct	*-0.12*	
32 84 23 00-0394	LF	1-1/4" Poly Pipe, 100 PSI, Non-NSF	3.50	1.06
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0395	LF	1-1/2" Poly Pipe, 100 PSI, Non-NSF	4.34	1.20
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0396	LF	2" Poly Pipe, 100 PSI, Non-NSF	6.45	1.49
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0397	LF	3/4" Poly Pipe, 80 PSI, NSF	2.91	0.78
		For >1,000, Deduct	*-0.15*	
32 84 23 00-0398	LF	1" Poly Pipe, 80 PSI, NSF	3.67	0.92
		For >1,000, Deduct	*-0.18*	
32 84 23 00-0399	LF	1-1/4" Poly Pipe, 80 PSI, NSF	5.50	1.06
		For >1,000, Deduct	*-0.28*	
32 84 23 00-0400	LF	1-1/2" Poly Pipe, 80 PSI, NSF	7.02	1.20
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0401	LF	2" Poly Pipe, 80 PSI, NSF	10.82	1.49
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0402	LF	3/4" Poly Pipe, 100 PSI, NSF, High-Density	2.10	0.78
		For >1,000, Deduct	*-0.11*	
32 84 23 00-0403	LF	1" Poly Pipe, 100 PSI, NSF, High-Density	2.72	0.92
		For >1,000, Deduct	*-0.14*	
32 84 23 00-0404	LF	1-1/4" Poly Pipe, 100 PSI, NSF, High-Density	3.95	1.06
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0405	LF	1-1/2" Poly Pipe, 100 PSI, NSF, High-Density	5.04	1.20
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0406	LF	2" Poly Pipe, 100 PSI, NSF, High-Density	7.54	1.49
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0407	LF	2-1/2" Poly Pipe, 100 PSI, NSF, High-Density	6.13	1.74
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0408	LF	3" Poly Pipe, 100 PSI, NSF, High-Density	6.61	1.91
		For >1,000, Deduct	*-0.33*	

32 84 23 00-0409 Irrigation Swing Joints *(32 84 23)*

32 84 23 00-0410	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	51.08	13.82
32 84 23 00-0411	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	58.36	15.43
32 84 23 00-0412	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	82.64	15.43

32 84 23 00-0413 Irrigation Control Wire *(32 84 23)*

Note: Excludes excavation and backfill.

32 84 23 00-0414 18 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0413)*

32 84 23 00-0415	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	42.49	10.42
32 84 23 00-0416	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	58.01	12.15
32 84 23 00-0417	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	66.89	13.89
32 84 23 00-0418	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	76.99	15.62
32 84 23 00-0419	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	88.27	17.36
32 84 23 00-0420	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	108.00	19.10
32 84 23 00-0421	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	126.81	20.83
32 84 23 00-0422	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	137.89	22.57
32 84 23 00-0423	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	152.12	24.31
32 84 23 00-0424	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	168.86	26.04
32 84 23 00-0425	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	173.51	27.78
32 84 23 00-0426	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	179.40	29.52
32 84 23 00-0427	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	189.09	31.25

32 84 23 00-0428 16 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0413)*

32 84 23 00-0429	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	45.69	10.42

32 84 23 00-0430 14 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0413)*

32 84 23 00-0431	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	45.70	10.42

32 84 23 00-0432 12 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0413)*

32 84 23 00-0433	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	66.86	10.42

32 84 23 00-0434 10 AWG, Irrigation Control Wire, Buried In Trench *(32 84 23 00-0413)*

32 84 23 00-0435	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	93.68	10.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0436		Root Watering Systems *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0437	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	85.70	13.89
		For Root Watering Sand Sock, Add	*3.75*	
32 84 23 00-0438	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	93.74	13.89
		For Root Watering Sand Sock, Add	*3.75*	
32 84 23 00-0439	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	85.70	13.89
		For Root Watering Sand Sock, Add	*3.75*	
32 84 23 00-0440	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	93.74	13.89
		For Root Watering Sand Sock, Add	*3.75*	
32 84 23 00-0441	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	93.74	13.89
		For Root Watering Sand Sock, Add	*3.75*	
32 84 23 00-0442	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	74.27	12.15
		For Root Watering Sand Sock, Add	*3.41*	
32 84 23 00-0443	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	81.98	12.15
		For Root Watering Sand Sock, Add	*3.41*	
32 84 23 00-0444	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	74.27	12.15
		For Root Watering Sand Sock, Add	*3.41*	
32 84 23 00-0445	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	81.98	12.15
		For Root Watering Sand Sock, Add	*3.41*	
32 84 23 00-0446	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	47.41	10.42
		For Root Watering Sand Sock, Add	*3.07*	
32 84 23 00-0447	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	54.75	10.42
		For Root Watering Sand Sock, Add	*3.07*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001		Mulch *(32 91 13 16)* Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles.		
32 91 13 16-0002	CY	Pine Bark Nugget Mulch	92.94	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.75*	
		For >20 To 50, Deduct	*-10.13*	
		For >50, Deduct	*-14.78*	
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	90.91	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.65*	
		For >20 To 50, Deduct	*-9.98*	
		For >50, Deduct	*-14.52*	
32 91 13 16-0004	CY	Pine Wood Chip Mulch	86.85	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.45*	
		For >20 To 50, Deduct	*-9.67*	
		For >50, Deduct	*-14.02*	
32 91 13 16-0005	CY	Hardwood Chip Mulch	94.98	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.86*	
		For >20 To 50, Deduct	*-10.28*	
		For >50, Deduct	*-15.03*	
32 91 13 16-0006	CY	Shredded Hardwood Mulch	94.98	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.86*	
		For >20 To 50, Deduct	*-10.28*	
		For >50, Deduct	*-15.03*	
32 91 13 16-0007	CY	Shredded Pine Mulch	76.68	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-5.94*	
		For >20 To 50, Deduct	*-8.91*	
		For >50, Deduct	*-12.74*	
32 91 13 16-0008	CY	Shredded Cedar Mulch	116.32	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-7.92*	
		For >20 To 50, Deduct	*-11.88*	
		For >50, Deduct	*-17.70*	
32 91 13 16-0009	CY	Shredded Cypress Mulch	113.28	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-7.77*	
		For >20 To 50, Deduct	*-11.66*	
		For >50, Deduct	*-17.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0010	CY	Shredded Redwood Mulch	121.41	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-8.18*	
		For >20 To 50, Deduct	*-12.26*	
		For >50, Deduct	*-18.34*	
32 91 13 16-0011	CY	Stone/Gravel Mulch, Marble Chips	285.04	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-16.36*	
		For >20 To 50, Deduct	*-24.54*	
		For >50, Deduct	*-38.79*	
32 91 13 16-0012	CY	Pea Gravel Mulch	93.50	
		For Work On Slopes >2.5:1, Add	*8.42*	
		For >5 To 20, Deduct	*-6.78*	
		For >20 To 50, Deduct	*-10.17*	
		For >50, Deduct	*-14.85*	
32 91 13 16-0013	CY	Chunk Recycled Tire Mulch	194.87	
		For Work On Slopes >2.5:1, Add	*10.51*	
		For >5 To 20, Deduct	*-12.37*	
		For >20 To 50, Deduct	*-18.56*	
		For >50, Deduct	*-28.30*	
32 91 13 16-0014	CY	Chunk Colored Recycled Tire Mulch	335.15	
		For Work On Slopes >2.5:1, Add	*10.51*	
		For >5 To 20, Deduct	*-19.39*	
		For >20 To 50, Deduct	*-29.08*	
		For >50, Deduct	*-45.84*	
32 91 13 16-0015	CY	Shredded Recycled Tire Mulch	337.18	
		For Work On Slopes >2.5:1, Add	*10.51*	
		For >5 To 20, Deduct	*-19.49*	
		For >20 To 50, Deduct	*-29.23*	
		For >50, Deduct	*-46.09*	
32 91 13 16-0016	CY	Shredded Colored Recycled Tire Mulch	617.73	
		For Work On Slopes >2.5:1, Add	*10.51*	
		For >5 To 20, Deduct	*-33.51*	
		For >20 To 50, Deduct	*-50.27*	
		For >50, Deduct	*-81.16*	
32 91 13 16-0017	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	9.34	
		For Work On Slopes >2.5:1, Add	*0.45*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.05*	
32 91 13 16-0018	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	10.03	
		For Work On Slopes >2.5:1, Add	*0.33*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.09*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.62	
		For Work On Slopes >2.5:1, Add	*0.12*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.71	
		For Work On Slopes >2.5:1, Add	*0.14*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.84	
		For Work On Slopes >2.5:1, Add	*0.17*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	2.57	
		For Work On Slopes >2.5:1, Add	*0.51*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	2.95	
		For Work On Slopes >2.5:1, Add	*0.59*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	3.47	
		For Work On Slopes >2.5:1, Add	*0.69*	

32 91 13 26-0008 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	44.42	
		For Work On Slopes >2.5:1, Add	*8.88*	
32 91 13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	88.84	
		For Work On Slopes >2.5:1, Add	*17.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	8.35	
		For Work On Slopes >2.5:1, Add	*1.67*	
32 91 13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	10.86	
		For Work On Slopes >2.5:1, Add	*2.17*	
32 91 13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	39.48	
		For Work On Slopes >2.5:1, Add	*7.90*	
32 91 13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	90.35	
		For Work On Slopes >2.5:1, Add	*8.09*	
32 91 13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	4.20	
		For Work On Slopes >2.5:1, Add	*0.84*	
32 91 13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	64.20	
		For Work On Slopes >2.5:1, Add	*2.86*	

32 91 13 26-0017 Weed Barrier *(32 91 13 26)*

32 91 13 26-0018	SY	Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier	2.11	
		For Work On Slopes >2.5:1, Add	*0.07*	
32 91 13 26-0019	SY	4 Oz./SY Woven, Polypropylene Weed Barrier	3.02	
		For Work On Slopes >2.5:1, Add	*0.07*	
32 91 13 26-0020	SY	5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier	3.42	
		For Work On Slopes >2.5:1, Add	*0.07*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.47	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	47.08	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	4.76	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	2.71	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	4.48	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.09	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	8.24	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.33	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	452.25	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	4.02	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	441.75	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	50.55	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	35.52	
32 91 13 36-0004	MSF	Screen Loam By Hand	23.68	
32 91 13 36-0005	SY	Roll Topsoil With Machine	0.67	
32 91 13 36-0006	SY	Roll Topsoil By Hand	1.59	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	5.98	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	17.68	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	31.28	
		For >45 to 225, Deduct	*-21.90*	
		For >225, Deduct	*-28.15*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	52.14	
		For >45 to 225, Deduct	*-36.50*	
		For >225, Deduct	*-46.93*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	2.89	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	5.86	
		For Work On Slopes >2.5:1, Add	*1.17*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.39	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.46	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	0.58	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	0.64	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	2.99	
		For Work On Slopes >2.5:1, Add	*0.60*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.39	
		For Work On Slopes >2.5:1, Add	*0.08*	
32 91 13 36-0020	SY	Pile Sod By Hand	1.78	
		For Work On Slopes >2.5:1, Add	*0.36*	
32 91 13 36-0021	SY	Pile Sod With Machine	0.73	
		For Work On Slopes >2.5:1, Add	*0.15*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	3.59	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	3.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic) 7.92
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material 5.28

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008 CY Spread Topsoil By Machine From Stockpile 5.09
32 91 19 13-0009 CY Spread Topsoil By Hand From Stockpile 33.90

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0031 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011 SY Furnish And Place Imported Screened Topsoil, 2" Deep 3.48
For Unscreened, Deduct *-0.52*
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 4" Deep 6.77
For Unscreened, Deduct *-1.05*
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 6" Deep 9.90
For Unscreened, Deduct *-1.57*
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 9" Deep 14.49
For Unscreened, Deduct *-2.35*
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep 19.08
For Unscreened, Deduct *-3.14*
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep 53.05
For Unscreened, Deduct *-9.41*

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*
Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine 39.07
32 91 19 13-0019 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine 27.34
32 91 19 13-0020 MSF >20,000 SF Scarify Up To 8" Soil With Machine 16.31

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*
Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003 MSF Plugging By Hand, 6" On Center 119.96
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center 19.97
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center 15.89

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007 MSF Plugging By Hand, 9" On Center 91.92
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center 15.47
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center 11.88

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011 MSF Plugging By Hand, 12" On Center 76.71
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center 10.28
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center 7.52

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*
Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*
Note: Excludes straw. See CSI section 32 91 13 16-0018 for wheat straw mulch.

32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader 29.25
Note: 4 Lbs./MSF spread rate.
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader 22.46
Note: 5.5 Lbs./MSF spread rate.
32 92 19 13-0004 MSF Rye, Tractor Spreader 22.94
Note: 10 Lbs./MSF spread rate.
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader 25.39
Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader 27.14
Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader 24.80
Note: 6 Lbs./MSF spread rate.
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader 21.88
Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.
32 92 19 13-0009 MSF Wild Flower Mix, Tractor Spreader 16.38
Note: 0.10 Lbs./MSF spread rate.
32 92 19 13-0010 MSF Crown Vetch Mix, Tractor Spreader 59.91
Note: 4 Lbs./MSF spread rate.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	34.16	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	16.32	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	18.66	
32 92 19 13-0014	MSF	Bermuda, Tractor Spreader Note: 10 Lbs./MSF spread rate.	36.86	

32 92 19 13-0015 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0016	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	63.08	
		For Spot Areas Up To 1, Add	*65.02*	
		For >1 To 4, Add	*41.55*	
		For >4 To 7.5, Add	*28.01*	
		For >7.5 To 10, Add	*14.01*	
		For >45, Deduct	*-4.96*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0017	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 Lbs./MSF spread rate.	67.18	
		For Spot Areas Up To 1, Add	*66.66*	
		For >1 To 4, Add	*42.37*	
		For >4 To 7.5, Add	*28.42*	
		For >7.5 To 10, Add	*14.21*	
		For >45, Deduct	*-5.17*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0018	MSF	Rye, Hydro Or Air Spread Note: 10 Lbs./MSF spread rate.	63.26	
		For Spot Areas Up To 1, Add	*65.09*	
		For >1 To 4, Add	*41.59*	
		For >4 To 7.5, Add	*28.03*	
		For >7.5 To 10, Add	*14.01*	
		For >45, Deduct	*-4.97*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0019	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	63.08	
		For Spot Areas Up To 1, Add	*65.02*	
		For >1 To 4, Add	*41.55*	
		For >4 To 7.5, Add	*28.01*	
		For >7.5 To 10, Add	*14.01*	
		For >45, Deduct	*-4.96*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0020	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	67.18	
		For Spot Areas Up To 1, Add	*66.66*	
		For >1 To 4, Add	*42.37*	
		For >4 To 7.5, Add	*28.42*	
		For >7.5 To 10, Add	*14.21*	
		For >45, Deduct	*-5.17*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0021	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate.	65.43	
		For Spot Areas Up To 1, Add	*65.96*	
		For >1 To 4, Add	*42.02*	
		For >4 To 7.5, Add	*28.25*	
		For >7.5 To 10, Add	*14.12*	
		For >45, Deduct	*-5.08*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0022	MSF	Utility Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	64.01	
		For Spot Areas Up To 1, Add	*65.39*	
		For >1 To 4, Add	*41.74*	
		For >4 To 7.5, Add	*28.10*	
		For >7.5 To 10, Add	*14.05*	
		For >45, Deduct	*-5.01*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0023	MSF	Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 Lbs./MSF spread rate.	59.45	
		For Spot Areas Up To 1, Add	*63.57*	
		For >1 To 4, Add	*40.83*	
		For >4 To 7.5, Add	*27.65*	
		For >7.5 To 10, Add	*13.82*	
		For >45, Deduct	*-4.78*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0024	MSF	Crown Vetch Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	100.53	
		For Spot Areas Up To 1, Add	*80.00*	
		For >1 To 4, Add	*49.04*	
		For >4 To 7.5, Add	*31.76*	
		For >7.5 To 10, Add	*15.88*	
		For >45, Deduct	*-6.84*	
		For Tackifier, Add	*4.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0025	MSF	Athletic Mix, Hydro Or Air Seeding Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	87.67	
		For Spot Areas Up To 1, Add	*74.86*	
		For >1 To 4, Add	*46.47*	
		For >4 To 7.5, Add	*30.47*	
		For >7.5 To 10, Add	*15.23*	
		For >45, Deduct	*-6.19*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0026	MSF	White Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	53.90	
		For Spot Areas Up To 1, Add	*61.35*	
		For >1 To 4, Add	*39.72*	
		For >4 To 7.5, Add	*27.09*	
		For >7.5 To 10, Add	*13.55*	
		For >45, Deduct	*-4.50*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0027	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	60.74	
		For Spot Areas Up To 1, Add	*64.08*	
		For >1 To 4, Add	*41.08*	
		For >4 To 7.5, Add	*27.78*	
		For >7.5 To 10, Add	*13.89*	
		For >45, Deduct	*-4.85*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0028	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 Lbs./MSF spread rate.	64.25	
		For Spot Areas Up To 1, Add	*65.49*	
		For >1 To 4, Add	*41.79*	
		For >4 To 7.5, Add	*28.13*	
		For >7.5 To 10, Add	*14.06*	
		For >45, Deduct	*-5.02*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0029	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	83.42	
		For >45, Deduct	*-5.08*	
32 92 19 13-0030	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	97.39	
		For >45, Deduct	*-5.82*	
32 92 19 13-0031	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	111.41	
		For >45, Deduct	*-6.57*	
32 92 19 13-0032	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	125.46	
		For >45, Deduct	*-7.32*	
32 92 19 13-0033	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	139.57	
		For >45, Deduct	*-8.08*	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0018 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw. See CSI section 32 91 13 16-0018 for wheat straw mulch.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 Lbs./MSF spread rate.	60.55	
		For >5 To 20, Deduct	*-4.14*	
		For >20 To 45, Deduct	*-7.87*	
		For >45, Deduct	*-12.72*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 Lbs./MSF spread rate.	53.76	
		For >5 To 20, Deduct	*-3.80*	
		For >20 To 45, Deduct	*-7.36*	
		For >45, Deduct	*-12.04*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 Lbs./MSF spread rate.	54.24	
		For >5 To 20, Deduct	*-3.82*	
		For >20 To 45, Deduct	*-7.40*	
		For >45, Deduct	*-12.08*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	56.69	
		For >5 To 20, Deduct	*-3.94*	
		For >20 To 45, Deduct	*-7.58*	
		For >45, Deduct	*-12.33*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	58.44	
		For >5 To 20, Deduct	*-4.03*	
		For >20 To 45, Deduct	*-7.71*	
		For >45, Deduct	*-12.50*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 Lbs./MSF spread rate.	56.10	
		For >5 To 20, Deduct	*-3.92*	
		For >20 To 45, Deduct	*-7.54*	
		For >45, Deduct	*-12.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	53.18	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-3.77*	
		For >20 To 45, Deduct	*-7.32*	
		For >45, Deduct	*-11.98*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	47.68	
		Note: 0.10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-3.49*	
		For >20 To 45, Deduct	*-6.91*	
		For >45, Deduct	*-11.43*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	91.21	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-5.67*	
		For >20 To 45, Deduct	*-10.17*	
		For >45, Deduct	*-15.78*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	65.46	
		Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-4.38*	
		For >20 To 45, Deduct	*-8.24*	
		For >45, Deduct	*-13.21*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	47.62	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-3.49*	
		For >20 To 45, Deduct	*-6.90*	
		For >45, Deduct	*-11.42*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	49.96	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-3.61*	
		For >20 To 45, Deduct	*-7.08*	
		For >45, Deduct	*-11.66*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	61.66	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-4.19*	
		For >20 To 45, Deduct	*-7.95*	
		For >45, Deduct	*-12.83*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	58.44	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-4.03*	
		For >20 To 45, Deduct	*-7.71*	
		For >45, Deduct	*-12.50*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	56.10	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-3.92*	
		For >20 To 45, Deduct	*-7.54*	
		For >45, Deduct	*-12.27*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	60.78	
		Note: 4.4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-4.15*	
		For >20 To 45, Deduct	*-7.89*	
		For >45, Deduct	*-12.74*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	57.27	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-3.97*	
		For >20 To 45, Deduct	*-7.63*	
		For >45, Deduct	*-12.39*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	58.44	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-4.03*	
		For >20 To 45, Deduct	*-7.71*	
		For >45, Deduct	*-12.50*	
32 92 19 19-0020	MSF	Bermuda, Push Spreader Or Hand	68.16	
		Note: 10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-4.52*	
		For >20 To 45, Deduct	*-8.44*	
		For >45, Deduct	*-13.48*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Celebration Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Celebration Bermuda Sod, Installed On Level Ground	1,211.07
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Celebration Bermuda Sod, Installed On Level Ground	984.93
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Celebration Bermuda Sod, Installed On Level Ground	835.57
32 92 23 00-0005	MSF	>8,000 SF, Celebration Bermuda Sod, Installed On Level Ground	714.40
32 92 23 00-0006	MSF	Up To 1,000 SF, Celebration Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,386.50
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Celebration Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,134.45
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Celebration Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	938.72
32 92 23 00-0009	MSF	>8,000 SF, Celebration Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	802.12

32 92 23 00-0010 Tifway 419 Bermuda Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Tifway 419 Bermuda Sod, Installed On Level Ground	963.09
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Tifway 419 Bermuda Sod, Installed On Level Ground	800.18
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Tifway 419 Bermuda Sod, Installed On Level Ground	681.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0014	MSF	>8,000 SF, Tifway 419 Bermuda Sod, Installed On Level Ground	591.23	
32 92 23 00-0015	MSF	Up To 1,000 SF, Tifway 419 Bermuda Sod, Installed On Sloped Ground	1,140.16	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Tifway 419 Bermuda Sod, Installed On Sloped Ground	949.70	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Tifway 419 Bermuda Sod, Installed On Sloped Ground	784.76	
32 92 23 00-0018	MSF	>8,000 SF, Tifway 419 Bermuda Sod, Installed On Sloped Ground	678.95	

32 92 23 00-0019 Zoysia Sod *(32 92 23)*

32 92 23 00-0020	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	1,458.11	
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	1,170.22	
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	989.97	
32 92 23 00-0023	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	837.92	
32 92 23 00-0024	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,633.54	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,319.74	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,093.12	
32 92 23 00-0027	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	925.64	

32 92 23 00-0028 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0029	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	1,435.27	
		For Hybrid Fescue "Marathon", Add	*105.71*	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,153.09	
		For Hybrid Fescue "Marathon", Add	*79.85*	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	975.70	
		For Hybrid Fescue "Marathon", Add	*66.92*	
32 92 23 00-0032	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	826.50	
		For Hybrid Fescue "Marathon", Add	*53.99*	
32 92 23 00-0033	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,610.70	
		For Hybrid Fescue "Marathon", Add	*105.71*	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,302.61	
		For Hybrid Fescue "Marathon", Add	*79.85*	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,078.85	
		For Hybrid Fescue "Marathon", Add	*66.92*	
32 92 23 00-0036	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	914.22	
		For Hybrid Fescue "Marathon", Add	*53.99*	

32 92 23 00-0037 Centipede Sod *(32 92 23)*

32 92 23 00-0038	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	1,267.39	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,027.17	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	870.77	
32 92 23 00-0041	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	742.56	
32 92 23 00-0042	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,442.82	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,176.69	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	973.92	
32 92 23 00-0045	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	830.28	

32 92 23 00-0046 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0047	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,200.13	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	976.73	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	828.74	
32 92 23 00-0050	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	708.93	
32 92 23 00-0051	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,375.56	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,126.25	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	931.89	
32 92 23 00-0054	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	796.65	

32 92 23 00-0055 Buffalograss Sod *(32 92 23)*

32 92 23 00-0056	MSF	Up To 1,000 SF, Buffalograss Sod, Installed On Level Ground	1,493.01	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, Buffalograss Sod, Installed On Level Ground	1,196.39	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, Buffalograss Sod, Installed On Level Ground	1,011.79	
32 92 23 00-0059	MSF	>8,000 SF, Buffalograss Sod, Installed On Level Ground	855.37	
32 92 23 00-0060	MSF	Up To 1,000 SF, Buffalograss Sod, Installed On Sloped (>1:6) Ground With Stakes	1,668.44	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, Buffalograss Sod, Installed On Sloped (>1:6) Ground With Stakes	1,345.91	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, Buffalograss Sod, Installed On Sloped (>1:6) Ground With Stakes	1,114.94	
32 92 23 00-0063	MSF	>8,000 SF, Buffalograss Sod, Installed On Sloped (>1:6) Ground With Stakes	943.09	

32 92 23 00-0064 St. Augustine Sod *(32 92 23)*

32 92 23 00-0065	MSF	Up To 1,000 SF, St. Augustine Sod, Installed On Level Ground	1,306.19	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, St. Augustine Sod, Installed On Level Ground	1,069.46	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, St. Augustine Sod, Installed On Level Ground	941.80	
32 92 23 00-0068	MSF	>8,000 SF, St. Augustine Sod, Installed On Level Ground	814.59	
32 92 23 00-0069	MSF	Up To 1,000 SF, St. Augustine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,481.62	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, St. Augustine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,205.79	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, St. Augustine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,111.34	
32 92 23 00-0072	MSF	>8,000 SF, St. Augustine Sod, Installed On Sloped (>1:6) Ground With Stakes	849.68	

32 93 Plants *(32 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ground Covers *(32 93 13)*

32 93 13 00-0002	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	14.20	
32 93 13 00-0003	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	24.62	
32 93 13 00-0004	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	50.18	
32 93 13 00-0005	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	65.33	
32 93 13 00-0006	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	82.69	
32 93 13 00-0007	EA	1 Quart Waldsteinia ternata - Barren Strawberry	14.20	
32 93 13 00-0008	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	34.08	
32 93 13 00-0009	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	46.39	
32 93 13 00-0010	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	88.05	
32 93 13 00-0011	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	155.27	
32 93 13 00-0012	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	15.89	
32 93 13 00-0013	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	29.35	
32 93 13 00-0014	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	103.20	
32 93 13 00-0015	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	38.52	
32 93 13 00-0016	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	18.93	
32 93 13 00-0017	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	43.17	
32 93 13 00-0018	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	118.15	
32 93 13 00-0019	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	49.65	
32 93 13 00-0020	EA	1 Quart Iberis sempervirens - Candytuft	14.20	
32 93 13 00-0021	EA	1 Gallon Iberis sempervirens - Candytuft	34.08	
32 93 13 00-0022	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	40.90	
32 93 13 00-0023	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	147.69	
32 93 13 00-0024	EA	3" Pot Ajuga reptans - Carpet Bugle	8.52	
32 93 13 00-0025	EA	1 Quart Ajuga reptans - Carpet Bugle	14.20	
32 93 13 00-0026	EA	1 Gallon Ajuga reptans - Carpet Bugle	34.08	
32 93 13 00-0027	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	146.74	
32 93 13 00-0028	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	34.08	
32 93 13 00-0029	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	147.69	
32 93 13 00-0030	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	44.50	
32 93 13 00-0031	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	98.47	
32 93 13 00-0032	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	147.69	
32 93 13 00-0033	EA	1 Gallon Ranunculaceae - Clematis Varieties	48.92	
32 93 13 00-0034	EA	2 Gallon Ranunculaceae - Clematis Varieties	90.47	
32 93 13 00-0035	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	61.54	
32 93 13 00-0036	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	115.50	
32 93 13 00-0037	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	189.35	
32 93 13 00-0038	EA	4" Pot Lantana camera - Common Lantana	8.52	
32 93 13 00-0039	EA	1 Gallon Lantana camera - Common Lantana	24.62	
32 93 13 00-0040	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	29.35	
32 93 13 00-0041	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	96.57	
32 93 13 00-0042	EA	2 Quart Lysimachia nummularia - Creeping Jenny	14.20	
32 93 13 00-0043	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	27.46	
32 93 13 00-0044	EA	2 Quart Liriope spicata - Creeping Lilytuft	24.62	
32 93 13 00-0045	EA	1 Gallon Liriope spicata - Creeping Lilytuft	44.50	
32 93 13 00-0046	EA	5 Gallon Liriope spicata - Creeping Lilytuft	93.73	
32 93 13 00-0047	EA	Bare Root Liriope spicata - Creeping Liriope	6.21	
32 93 13 00-0048	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	8.52	
32 93 13 00-0049	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	34.08	
32 93 13 00-0050	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.68	
32 93 13 00-0051	EA	50 Plant Flat Securigera varia - Crown Vetch	192.19	
32 93 13 00-0052	EA	1 Quart Senecio cineraria - Dusty Miller	14.20	
32 93 13 00-0053	EA	1 Gallon Senecio cineraria - Dusty Miller	34.08	
32 93 13 00-0054	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	118.34	
32 93 13 00-0055	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	216.80	
32 93 13 00-0056	EA	1 Gallon Ilex cornuta - Dwarf Holly	25.71	
32 93 13 00-0057	EA	3 Gallon Ilex cornuta - Dwarf Holly	55.10	
32 93 13 00-0058	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	55.10	
32 93 13 00-0059	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	18.37	
32 93 13 00-0060	EA	2" To 3" Pot Hedera helix - English Ivy	8.52	
32 93 13 00-0061	EA	12" To 15" Runners Hedera helix - English Ivy	14.20	
32 93 13 00-0062	EA	1 Gallon Hedera helix - English Ivy	34.08	
32 93 13 00-0063	EA	50 Plant Flat Hedera helix - English Ivy	196.92	
32 93 13 00-0064	EA	4" Pot Lavandula angustifolia - English Lavender	12.31	
32 93 13 00-0065	EA	1 Quart Lavandula angustifolia - English Lavender	23.67	
32 93 13 00-0066	EA	1 Gallon Lavandula angustifolia - English Lavender	38.82	
32 93 13 00-0067	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	36.92	
32 93 13 00-0068	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	73.85	
32 93 13 00-0069	EA	1 Quart Arundo donax - Giant Reed	45.45	
32 93 13 00-0070	EA	1 Gallon Arundo donax - Giant Reed	65.33	
32 93 13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	38.82	
32 93 13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	73.85	
32 93 13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	50.18	
32 93 13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	75.74	
32 93 13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	8.52	
32 93 13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	38.82	
32 93 13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	73.85	
32 93 13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	34.08	
32 93 13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	113.61	
32 93 13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors	44.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	35.50	
32 93 13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine	17.88	
32 93 13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine	44.39	
32 93 13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	22.30	
32 93 13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	49.65	
32 93 13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine	27.46	
32 93 13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine	86.15	
32 93 13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear	14.20	
32 93 13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear	34.08	
32 93 13 00-0090	EA	1 Gallon Lantana spp. Various Colors	20.09	
32 93 13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana	13.22	
32 93 13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	27.46	
32 93 13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	98.46	
32 93 13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	20.09	
32 93 13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	25.35	
32 93 13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	40.54	
32 93 13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox	14.20	
32 93 13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox	34.08	
32 93 13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	17.88	
32 93 13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass	8.52	
32 93 13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	34.08	
32 93 13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	78.58	
32 93 13 00-0103	EA	2' To 3' High Oregon Holly-Grape	39.34	
32 93 13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra	51.25	
32 93 13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle	4.73	
32 93 13 00-0106	EA	4" Pot Vinca minor - Periwinkle	14.20	
32 93 13 00-0107	EA	Bare Root Vinca minor - Periwinkle	4.73	
32 93 13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint	14.20	
32 93 13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint	29.35	
32 93 13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	23.67	
32 93 13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	86.15	
32 93 13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	38.82	
32 93 13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	83.31	
32 93 13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	123.08	
32 93 13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	33.80	
32 93 13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	87.60	
32 93 13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	146.75	
32 93 13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	17.88	
32 93 13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	19.88	
32 93 13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	35.50	
32 93 13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	55.39	
32 93 13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily	22.04	
32 93 13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily	58.77	
32 93 13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort	14.20	
32 93 13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort	34.08	
32 93 13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort	88.05	
32 93 13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	119.82	
32 93 13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper	52.07	
32 93 13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper	78.58	
32 93 13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper	189.35	
32 93 13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle	14.20	
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	25.56	
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	35.50	
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	55.39	
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	38.82	
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	17.99	
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	27.46	
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	168.74	
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	8.52	
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	44.50	
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	34.08	
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	68.17	
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	118.34	
32 93 13 00-0146	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	27.46	
32 93 13 00-0147	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	93.73	
32 93 13 00-0148		Ornamental Grasses *(32 93 13)*		
32 93 13 00-0149	EA	1 Gallon, Cortaderia selloana - Pampas Grass	39.07	
32 93 13 00-0150	EA	2 Gallon, Cortaderia selloana - Pampas Grass	72.23	
32 93 13 00-0151	EA	3 Gallon, Cortaderia selloana - Pampas Grass	131.26	
32 93 13 00-0152	EA	5 Gallon, Cortaderia selloana - Pampas Grass	238.90	
32 93 13 00-0153	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	29.91	
32 93 13 00-0154	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	39.77	
32 93 13 00-0155	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	42.56	
32 93 13 00-0156	EA	1 Quart, Koeleria glauca - Blue Hair Grass	29.83	
32 93 13 00-0157	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	39.77	
32 93 13 00-0158	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	96.22	
32 93 13 00-0159	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	37.76	
32 93 13 00-0160	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	48.93	
32 93 13 00-0161	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	93.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0162	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	35.04	
32 93 13 00-0163	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	55.09	
32 93 13 00-0164	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	94.29	
32 93 13 00-0165	EA	1 Quart, Pennisetum setaceum - Fountain Grass	32.62	
32 93 13 00-0166	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	33.73	
32 93 13 00-0167	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	74.40	
32 93 13 00-0168	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	103.29	
32 93 13 00-0169	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	116.02	
32 93 13 00-0170	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	191.41	
32 93 13 00-0171	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	56.08	
32 93 13 00-0172	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	83.93	
32 93 13 00-0173	EA	1 Quart, Stipa gigantea - Giant Feather Grass	42.81	
32 93 13 00-0174	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	59.65	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	27.46	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	38.82	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	64.38	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	14.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	35.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower	14.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	35.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	14.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	35.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	45.92	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	14.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	35.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	14.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	32.66	
32 93 23 00-0016	EA	2 Gallon Blank Flower	45.92	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	14.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	35.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	24.14	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	40.71	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	14.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	35.50	
32 93 23 00-0023	EA	1 Quart Blue Star	25.56	
32 93 23 00-0024	EA	1 Gallon Blue Star	40.71	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	14.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	35.50	
32 93 23 00-0027	EA	4" Pot Columbine	8.52	
32 93 23 00-0028	EA	1 Quart Columbine	14.20	
32 93 23 00-0029	EA	1 Gallon Columbine	35.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	14.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	35.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	14.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	35.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	51.13	
32 93 23 00-0035	EA	1 Quart Diploid	17.99	
32 93 23 00-0036	EA	1 Gallon Diploid	40.71	
32 93 23 00-0037	EA	3 Gallon Diploid	70.06	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	20.27	
32 93 23 00-0039	EA	1 Quart Evans Begonia	25.56	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	45.92	
32 93 23 00-0041	EA	1 Quart False Dragonhead	14.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	35.50	
32 93 23 00-0043	EA	1 Quart False Spirea	14.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	45.92	
32 93 23 00-0045	EA	3 Gallon False Spirea	63.43	
32 93 23 00-0046	EA	2 Quart False Sunflower	22.72	
32 93 23 00-0047	EA	1 Gallon False Sunflower	35.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	45.92	
32 93 23 00-0049	EA	1 Gallon Foxglove	32.66	
32 93 23 00-0050	EA	2 Gallon Foxglove	45.92	
32 93 23 00-0051	EA	3 Gallon Foxglove	66.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	57.49	
32 93 23 00-0053	EA	1 Quart Garden Phlox	14.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	35.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	30.29	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	61.07	
32 93 23 00-0057	EA	1 Quart Golden Star	14.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	35.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	14.20	
32 93 23 00-0060	EA	1 Quart Bluebeard	25.56	
32 93 23 00-0061	EA	1 Gallon Bluebeard	37.87	
32 93 23 00-0062	EA	2 Gallon Bluebeard	55.39	
32 93 23 00-0063	EA	1 Gallon Goldenrod	35.50	
32 93 23 00-0064	EA	1 Gallon Happy Returns Daylillies	66.12	
32 93 23 00-0065	EA	4" Pot Hardy Aster, Michaelmas Daisy	8.52	
32 93 23 00-0066	EA	1 Quart Hardy Aster, Michaelmas Daisy	14.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0067	EA	1 Gallon Hardy Aster, Michaelmas Daisy	35.50	
32 93 23 00-0068	EA	1 Quart Hardy Chrysanthemum	12.31	
32 93 23 00-0069	EA	6" To 8" Pot Hardy Chrysanthemum	20.36	
32 93 23 00-0070	EA	1 Gallon Hardy Chrysanthemum	32.66	
32 93 23 00-0071	EA	1 Gallon Herbaceous Peony	50.65	
32 93 23 00-0072	EA	2 Gallon Herbaceous Peony	80.95	
32 93 23 00-0073	EA	3 Gallon Herbaceous Peony	106.52	
32 93 23 00-0074	EA	4" Pot Japanese Anemone	8.52	
32 93 23 00-0075	EA	1 Quart Japanese Anemone	25.56	
32 93 23 00-0076	EA	2 Gallon Japanese Anemone	45.92	
32 93 23 00-0077	EA	2" Pot Japanese Spurge	5.05	
32 93 23 00-0078	EA	6" Pot Japanese Spurge	7.57	
32 93 23 00-0079	EA	1 Gallon Japanese Spurge	32.61	
32 93 23 00-0080	EA	1 Quart Oriental Poppy	20.36	
32 93 23 00-0081	EA	1 Gallon Oriental Poppy	40.71	
32 93 23 00-0082	EA	48 Plant Flat Pachysandra terminalis	168.74	
32 93 23 00-0083	EA	1 Gallon Pacific Coast Iris	27.93	
32 93 23 00-0084	EA	3 Gallon Pacific Coast Iris	53.03	
32 93 23 00-0085	EA	1 Gallon Palace Purple Coral Bells	53.76	
32 93 23 00-0086	EA	4" Pot Perennial Salvia	8.52	
32 93 23 00-0087	EA	1 Quart Perennial Salvia	14.20	
32 93 23 00-0088	EA	1 Gallon Perennial Salvia	35.50	
32 93 23 00-0089	EA	1 Quart Pincushion Flower	14.20	
32 93 23 00-0090	EA	1 Gallon Pincushion Flower	35.50	
32 93 23 00-0091	EA	2 Quart Plantain Lily	27.46	
32 93 23 00-0092	EA	1 Gallon Plantain Lily	38.82	
32 93 23 00-0093	EA	2 Gallon Plantain Lily	64.38	
32 93 23 00-0094	EA	3 Gallon Plantain Lily	121.67	
32 93 23 00-0095	EA	2 Quart Purple Coneflower	25.56	
32 93 23 00-0096	EA	1 Gallon Purple Coneflower	35.50	
32 93 23 00-0097	EA	2 Gallon Purple Coneflower	45.92	
32 93 23 00-0098	EA	1 Quart Purple Loosestrife	14.20	
32 93 23 00-0099	EA	1 Gallon Purple Loosestrife	35.50	
32 93 23 00-0100	EA	1 Quart Rose Mallow	27.93	
32 93 23 00-0101	EA	2 Gallon Rose Mallow	50.65	
32 93 23 00-0102	EA	3 Gallon Rose Mallow	86.63	
32 93 23 00-0103	EA	1 Gallon Autumn Joy Sedum	54.13	
32 93 23 00-0104	EA	1 Quart Siberian Iris	24.14	
32 93 23 00-0105	EA	2 Gallon Siberian Iris	45.92	
32 93 23 00-0106	EA	3 Gallon Siberian Iris	63.43	
32 93 23 00-0107	EA	1 Quart Speedwell	14.20	
32 93 23 00-0108	EA	1 Gallon Speedwell	35.50	
32 93 23 00-0109	EA	1 Quart Tetraploid	35.50	
32 93 23 00-0110	EA	1 Gallon Tetraploid	66.27	
32 93 23 00-0111	EA	3 Gallon Tetraploid	90.42	
32 93 23 00-0112	EA	1 Quart Threadleaf Coreopsis	14.20	
32 93 23 00-0113	EA	1 Gallon Threadleaf Coreopsis	35.50	
32 93 23 00-0114	EA	1 Quart Torch Lily	14.20	

32 93 23 00-0115 Annuals *(32 93 23)*

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.59	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.92	
32 93 23 00-0118	EA	4" Pot Annual Flowers	19.05	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	25.34	
32 93 23 00-0120	EA	6" Pot Annual Flowers	50.17	
32 93 23 00-0121	EA	8" Pot Annual Flowers	83.61	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	109.46	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	124.15	

32 93 23 00-0124 Bulbs *(32 93 23)*

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	22.91	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.32	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.50	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.94	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.47	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.97	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.15	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.32	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.93	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.79	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.97	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.97	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	4.14	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.41	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	4.14	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.88	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	4.14	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	4.14	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.23	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.53	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.53	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	3.08	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.41	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.35	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.91	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.26	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.26	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.26	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.64	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.56	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.64	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.41	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.64	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.53	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.79	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.97	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	3.17	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	3.00	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.26	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.26	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.56	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.76	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.64	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.44	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.64	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	24.15	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	49.18	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	94.41	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	113.09	
32 93 33 00-0006	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	165.28	
32 93 33 00-0007	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	184.42	
32 93 33 00-0008	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	233.14	
32 93 33 00-0009	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	259.23	
32 93 33 00-0010	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	52.19	
32 93 33 00-0011	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	69.59	
32 93 33 00-0012	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	86.99	
32 93 33 00-0013	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	47.47	
32 93 33 00-0014	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	55.85	
32 93 33 00-0015	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	67.02	
32 93 33 00-0016	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	78.19	
32 93 33 00-0017	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	94.95	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.08	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.87	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	51.66	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	58.64	
32 93 33 00-0022	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.77	
32 93 33 00-0023	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.57	
32 93 33 00-0024	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	52.36	
32 93 33 00-0025	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	55.15	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	9.60	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	22.20	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.25	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	24.75	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	33.45	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	12.00	
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	17.55	
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	50.10	
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	63.60	
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	89.10	
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	53.55	
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	68.55	
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	87.60	
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	14.40	
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	28.35	
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	34.65	
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	13.65	
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	38.55	
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	53.55	
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	82.65	
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	15.60	
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	41.85	
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	44.55	
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	57.30	
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	76.35	
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	114.60	
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	159.15	
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	44.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	57.30	
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	76.35	
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	114.60	
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	29.32	
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	48.87	
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0060	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	69.81	
32 93 33 00-0061	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	94.95	
32 93 33 00-0062	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	46.08	
32 93 33 00-0064	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	41.89	
32 93 33 00-0065	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	55.85	
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	17.89	
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	38.16	
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	63.45	
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	94.48	
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	245.13	
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	17.89	
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	38.16	
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	63.45	
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	46.08	
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	46.08	
32 93 33 00-0076	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	39.10	
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	46.08	
32 93 33 00-0078	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.91	
32 93 33 00-0079	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.10	
32 93 33 00-0080	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	41.89	
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	40.20	
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	53.55	
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	82.65	
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	44.68	
32 93 33 00-0085	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.17	
32 93 33 00-0086	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	53.76	
32 93 33 00-0087	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	56.55	
32 93 33 00-0088	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	66.32	
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	63.60	
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	79.50	
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	101.85	
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	139.95	
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0094	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.32	
32 93 33 00-0095	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	33.51	
32 93 33 00-0096	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0097	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	50.27	
32 93 33 00-0098	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	41.89	
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	46.08	
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	46.08	
32 93 33 00-0101	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	41.89	
32 93 33 00-0102	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	48.87	
32 93 33 00-0103	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	53.06	
32 93 33 00-0104	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	64.23	
32 93 33 00-0105	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.38	
32 93 33 00-0106	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	50.96	
32 93 33 00-0107	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	57.94	
32 93 33 00-0108	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	36.30	
32 93 33 00-0109	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.89	
32 93 33 00-0110	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	44.68	
32 93 33 00-0111	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.87	
32 93 33 00-0112	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	54.45	
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	43.28	
32 93 33 00-0114	EA	30" Balled and Burlapped, Corylus americana - American Filbert	48.87	
32 93 33 00-0115	EA	36" Balled and Burlapped, Corylus americana - American Filbert	52.36	
32 93 33 00-0116	EA	48" Balled and Burlapped, Corylus americana - American Filbert	56.55	
32 93 33 00-0117	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	139.63	
32 93 33 00-0118	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	181.51	
32 93 33 00-0119	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	195.48	
32 93 33 00-0120	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	251.33	
32 93 33 00-0121	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	307.18	
32 93 33 00-0122	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	349.07	
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree	133.65	
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree	200.40	
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree	302.24	
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0127	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0128	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	36.30	
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	33.45	
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0131	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.91	
32 93 33 00-0132	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	14.40	
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	44.55	
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	60.15	
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	101.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	14.40	
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	28.35	
32 93 33 00-0139	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	35.60	
32 93 33 00-0140	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	39.10	
32 93 33 00-0141	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	50.27	
32 93 33 00-0142	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	58.64	
32 93 33 00-0143	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	67.02	
32 93 33 00-0144	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	55.85	
32 93 33 00-0145	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	67.02	
32 93 33 00-0146	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	78.19	
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	20.94	
32 93 33 00-0148	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	50.27	
32 93 33 00-0149	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	67.02	
32 93 33 00-0150	EA	1 Gallon Elaeagnus - Silverberry	12.85	
32 93 33 00-0151	EA	3 Gallon Elaeagnus - Silverberry	25.69	
32 93 33 00-0152	EA	5 Gallon Elaeagnus - Silverberry	35.33	
32 93 33 00-0153	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	41.70	
32 93 33 00-0154	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	57.30	
32 93 33 00-0155	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	68.55	
32 93 33 00-0156	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	66.75	
32 93 33 00-0157	EA	1 Gallon Euonymus - Gold Spot	12.00	
32 93 33 00-0158	EA	2 Gallon Euonymus - Gold Spot	25.20	
32 93 33 00-0159	EA	5 Gallon Euonymus - Gold Spot	34.65	
32 93 33 00-0160	EA	1 Gallon Euonymus alatus - Winged Euonymus	10.24	
32 93 33 00-0161	EA	3 Gallon Euonymus alatus - Winged Euonymus	29.54	
32 93 33 00-0162	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	39.82	
32 93 33 00-0163	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	49.78	
32 93 33 00-0164	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	68.40	
32 93 33 00-0165	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	84.46	
32 93 33 00-0166	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	99.55	
32 93 33 00-0167	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	128.46	
32 93 33 00-0168	EA	5 Gallon Euonymus alatus - Winged Euonymus	36.93	
32 93 33 00-0169	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	160.57	
32 93 33 00-0170	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	62.83	
32 93 33 00-0171	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	74.70	
32 93 33 00-0172	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	97.74	
32 93 33 00-0173	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	117.29	
32 93 33 00-0174	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	145.21	
32 93 33 00-0175	EA	18" To 24" Euonymus alatus - Winged Burning Bush	44.55	
32 93 33 00-0176	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	52.50	
32 93 33 00-0177	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	71.70	
32 93 33 00-0178	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	85.95	
32 93 33 00-0179	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	108.15	
32 93 33 00-0180	EA	4' To 5' Euonymus alatus - Winged Burning Bush	152.70	
32 93 33 00-0181	EA	5' To 6' Euonymus alatus - Winged Burning Bush	190.95	
32 93 33 00-0182	EA	6' To 8' Euonymus alatus - Winged Burning Bush	222.75	
32 93 33 00-0183	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	44.55	
32 93 33 00-0184	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	50.85	
32 93 33 00-0185	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	62.10	
32 93 33 00-0186	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	87.60	
32 93 33 00-0187	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	103.50	
32 93 33 00-0188	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	124.05	
32 93 33 00-0189	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	175.05	
32 93 33 00-0190	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	206.85	
32 93 33 00-0191	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	37.70	
32 93 33 00-0192	EA	1 Gallon Euonymus fortunei - Wintercreeper	14.40	
32 93 33 00-0193	EA	2 Gallon Euonymus fortunei - Wintercreeper	28.35	
32 93 33 00-0194	EA	3 Gallon Euonymus fortunei - Wintercreeper	34.65	
32 93 33 00-0195	EA	5 Gallon Euonymus fortunei - Wintercreeper	41.10	
32 93 33 00-0196	EA	2' To 3' Forsythia - Korean Forsythia	31.80	
32 93 33 00-0197	EA	3' To 4' Forsythia - Korean Forsythia	40.20	
32 93 33 00-0198	EA	4' To 5' Forsythia - Korean Forsythia	50.10	
32 93 33 00-0199	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	32.11	
32 93 33 00-0200	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.60	
32 93 33 00-0201	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	38.40	
32 93 33 00-0202	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	33.51	
32 93 33 00-0203	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	44.68	
32 93 33 00-0204	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	33.51	
32 93 33 00-0205	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	39.10	
32 93 33 00-0206	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	46.08	
32 93 33 00-0207	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	53.06	
32 93 33 00-0208	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	61.44	
32 93 33 00-0209	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	47.47	
32 93 33 00-0210	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	66.32	
32 93 33 00-0211	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	69.81	
32 93 33 00-0212	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	72.61	
32 93 33 00-0213	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	78.19	
32 93 33 00-0214	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	94.95	
32 93 33 00-0215	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	122.87	
32 93 33 00-0216	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	139.63	
32 93 33 00-0217	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	10.35	
32 93 33 00-0218	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	27.15	
32 93 33 00-0219	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	34.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0220	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	97.74	
32 93 33 00-0221	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	159.17	
32 93 33 00-0222	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	201.06	
32 93 33 00-0223	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	307.18	
32 93 33 00-0224	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	349.07	
32 93 33 00-0225	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.94	
32 93 33 00-0226	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	20.87	
32 93 33 00-0227	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	40.14	
32 93 33 00-0228	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	15.22	
32 93 33 00-0229	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	25.69	
32 93 33 00-0230	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	38.86	
32 93 33 00-0231	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	40.20	
32 93 33 00-0232	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	34.20	
32 93 33 00-0233	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	46.20	
32 93 33 00-0234	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	66.75	
32 93 33 00-0235	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	92.25	
32 93 33 00-0236	EA	2 Gallon Hydrangea - Blue Hydrangea	28.35	
32 93 33 00-0237	EA	5 Gallon Hydrangea - Blue Hydrangea	39.90	
32 93 33 00-0238	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	44.55	
32 93 33 00-0239	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	50.85	
32 93 33 00-0240	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	28.35	
32 93 33 00-0241	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	48.87	
32 93 33 00-0242	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	53.06	
32 93 33 00-0243	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	61.44	
32 93 33 00-0244	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	64.23	
32 93 33 00-0245	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	50.27	
32 93 33 00-0246	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	67.02	
32 93 33 00-0247	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	29.32	
32 93 33 00-0248	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	34.91	
32 93 33 00-0249	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.02	
32 93 33 00-0250	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.11	
32 93 33 00-0251	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	36.30	
32 93 33 00-0252	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	41.89	
32 93 33 00-0253	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	55.85	
32 93 33 00-0254	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	40.49	
32 93 33 00-0255	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.08	
32 93 33 00-0256	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	54.45	
32 93 33 00-0257	EA	2 Gallon Hypericum kalmianum - St. John's Wort	28.35	
32 93 33 00-0258	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	33.51	
32 93 33 00-0259	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	36.30	
32 93 33 00-0260	EA	1 Gallon Ilex "Carissa" - Holly	14.40	
32 93 33 00-0261	EA	2 Gallon Ilex "Carissa" - Holly	28.35	
32 93 33 00-0262	EA	5 Gallon Ilex "Carissa" - Holly	39.90	
32 93 33 00-0263	EA	18" To 24" Ilex - Gulftide Sweet Holly	38.25	
32 93 33 00-0264	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	48.45	
32 93 33 00-0265	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	62.85	
32 93 33 00-0266	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	76.35	
32 93 33 00-0267	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	28.57	
32 93 33 00-0268	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	14.40	
32 93 33 00-0269	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	28.35	
32 93 33 00-0270	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	41.10	
32 93 33 00-0271	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	14.40	
32 93 33 00-0272	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	31.50	
32 93 33 00-0273	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	41.10	
32 93 33 00-0274	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	31.50	
32 93 33 00-0275	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	37.95	
32 93 33 00-0276	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	76.35	
32 93 33 00-0277	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	101.85	
32 93 33 00-0278	EA	2' To 3' Ilex opaca - American Holly	101.85	
32 93 33 00-0279	EA	3' To 4' Ilex opaca - American Holly	168.60	
32 93 33 00-0280	EA	4' To 5' Ilex opaca - American Holly	216.30	
32 93 33 00-0281	EA	5' To 6' Ilex opaca - American Holly	260.84	
32 93 33 00-0282	EA	6' To 7' Ilex opaca - American Holly	365.84	
32 93 33 00-0283	EA	7' To 8' Ilex opaca - American Holly	509.09	
32 93 33 00-0284	EA	8' To 10' Ilex opaca - American Holly	731.69	
32 93 33 00-0285	EA	10' To 12' Ilex opaca - American Holly	1,113.58	
32 93 33 00-0286	EA	12' To 14' Ilex opaca - American Holly	1,352.07	
32 93 33 00-0287	EA	14' To 16' Ilex opaca - American Holly	1,670.22	
32 93 33 00-0288	EA	2' To 3' Ilex verticillata - Winterberry (Female)	101.85	
32 93 33 00-0289	EA	3' To 4' Ilex verticillata - Winterberry (Female)	133.65	
32 93 33 00-0290	EA	2' To 3' Ilex verticillata - Winterberry (Male)	82.65	
32 93 33 00-0291	EA	3' To 4' Ilex verticillata - Winterberry (Male)	114.60	
32 93 33 00-0292	EA	4' To 5' Ilex verticillata - Winterberry (Male)	133.65	
32 93 33 00-0293	EA	1 Gallon Ilex vomitoria - Yaupon Holly	13.50	
32 93 33 00-0294	EA	3 Gallon Ilex vomitoria - Yaupon Holly	27.15	
32 93 33 00-0295	EA	10 Gallon Ilex vomitoria - Yaupon Holly	95.40	
32 93 33 00-0296	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.28	
32 93 33 00-0297	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	48.87	
32 93 33 00-0298	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	55.85	
32 93 33 00-0299	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	51.66	
32 93 33 00-0300	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	62.83	
32 93 33 00-0301	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	46.08	
32 93 33 00-0302	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	46.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0303	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	48.87	
32 93 33 00-0304	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.64	
32 93 33 00-0305	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.62	
32 93 33 00-0306	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	69.81	
32 93 33 00-0307	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	89.36	
32 93 33 00-0308	EA	4' To 5' Ilex x attenuata "Foster" - Holly	165.45	
32 93 33 00-0309	EA	5' To 6' Ilex x attenuata "Foster" - Holly	219.44	
32 93 33 00-0310	EA	6' To 7' Ilex x attenuata "Foster" - Holly	196.34	
32 93 33 00-0311	EA	7' To 8' Ilex x attenuata "Foster" - Holly	381.74	
32 93 33 00-0312	EA	1 Gallon Jasimnum - Jasmine	3.69	
32 93 33 00-0313	EA	3 Gallon Jasimnum - Jasmine	14.45	
32 93 33 00-0314	EA	3 Gallon Jasimnum - Orange Jasmine	11.24	
32 93 33 00-0315	EA	4' - 5' Jasimnum - Orange Jasmine	128.46	
32 93 33 00-0316	EA	6' - 7' Jasimnum - Orange Jasmine	256.91	
32 93 33 00-0317	EA	8' - 10' Jasimnum - Orange Jasmine	346.83	
32 93 33 00-0318	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	48.87	
32 93 33 00-0319	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	54.45	
32 93 33 00-0320	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	72.61	
32 93 33 00-0321	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	94.95	
32 93 33 00-0322	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	111.70	
32 93 33 00-0323	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	150.80	
32 93 33 00-0324	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	206.65	
32 93 33 00-0325	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.28	
32 93 33 00-0326	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.87	
32 93 33 00-0327	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	54.45	
32 93 33 00-0328	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	58.64	
32 93 33 00-0329	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	64.23	
32 93 33 00-0330	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	78.19	
32 93 33 00-0331	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	94.95	
32 93 33 00-0332	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	37.70	
32 93 33 00-0333	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	44.68	
32 93 33 00-0334	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	61.44	
32 93 33 00-0335	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	78.19	
32 93 33 00-0336	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	94.95	
32 93 33 00-0337	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	34.91	
32 93 33 00-0338	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	41.89	
32 93 33 00-0339	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	36.30	
32 93 33 00-0340	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	69.81	
32 93 33 00-0341	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	108.91	
32 93 33 00-0342	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	136.83	
32 93 33 00-0343	EA	15" To 18" Kalmia latifolia - Mountain Laurel	57.30	
32 93 33 00-0344	EA	18" To 24" Kalmia latifolia - Mountain Laurel	76.35	
32 93 33 00-0345	EA	2' To 3' Kalmia latifolia - Mountain Laurel	111.30	
32 93 33 00-0346	EA	4' To 5' Kalmia latifolia - Mountain Laurel	203.54	
32 93 33 00-0347	EA	5' To 6' Kalmia latifolia - Mountain Laurel	311.84	
32 93 33 00-0348	EA	6' To 8' Kalmia latifolia - Mountain Laurel	477.29	
32 93 33 00-0349	EA	1 Gallon Kerria japonica - Kerria	12.75	
32 93 33 00-0350	EA	5 Gallon Kerria japonica - Kerria	39.90	
32 93 33 00-0351	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	40.49	
32 93 33 00-0352	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	46.08	
32 93 33 00-0353	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	50.27	
32 93 33 00-0354	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	58.64	
32 93 33 00-0355	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	67.02	
32 93 33 00-0356	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	83.78	
32 93 33 00-0357	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	9.60	
32 93 33 00-0358	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	34.20	
32 93 33 00-0359	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	47.70	
32 93 33 00-0360	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	70.05	
32 93 33 00-0361	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	111.30	
32 93 33 00-0362	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	144.51	
32 93 33 00-0363	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	192.68	
32 93 33 00-0364	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	401.42	
32 93 33 00-0365	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	14.40	
32 93 33 00-0366	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	31.50	
32 93 33 00-0367	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	37.95	
32 93 33 00-0368	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.85	
32 93 33 00-0369	EA	5 Gallon Ligustrum lucidum - Glossy Privet	27.15	
32 93 33 00-0370	EA	15 Gallon Ligustrum lucidum - Glossy Privet	127.20	
32 93 33 00-0371	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.85	
32 93 33 00-0372	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	19.05	
32 93 33 00-0373	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	24.75	
32 93 33 00-0374	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	41.89	
32 93 33 00-0375	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	61.44	
32 93 33 00-0376	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	78.19	
32 93 33 00-0377	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	89.36	
32 93 33 00-0378	EA	5 Gallon Lindera benzoin - Spicebush	46.08	
32 93 33 00-0379	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	39.10	
32 93 33 00-0380	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	47.47	
32 93 33 00-0381	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	76.35	
32 93 33 00-0382	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	92.25	
32 93 33 00-0383	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	41.89	
32 93 33 00-0384	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	50.27	
32 93 33 00-0385	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	55.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0386	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	61.44	
32 93 33 00-0387	EA	1 Gallon Myrica cerifera - Wax Myrtle	8.03	
32 93 33 00-0388	EA	4 Gallon Myrica cerifera - Wax Myrtle	25.69	
32 93 33 00-0389	EA	7 Gallon Myrica cerifera - Wax Myrtle	56.20	
32 93 33 00-0390	EA	10 Gallon Myrica cerifera - Wax Myrtle	83.50	
32 93 33 00-0391	EA	15 Gallon Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0392	EA	45 Gallon Myrica cerifera - Wax Myrtle	385.37	
32 93 33 00-0393	EA	1' - 2' Myrica cerifera - Wax Myrtle	11.24	
32 93 33 00-0394	EA	3' - 4' Myrica cerifera - Wax Myrtle	38.54	
32 93 33 00-0395	EA	5' - 6' Myrica cerifera - Wax Myrtle	70.65	
32 93 33 00-0396	EA	7' - 8' Myrica cerifera - Wax Myrtle	96.34	
32 93 33 00-0397	EA	9' - 10' Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0398	EA	11' - 12' Myrica cerifera - Wax Myrtle	195.90	
32 93 33 00-0399	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	41.89	
32 93 33 00-0400	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	68.42	
32 93 33 00-0401	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	100.53	
32 93 33 00-0402	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	120.08	
32 93 33 00-0403	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	125.66	
32 93 33 00-0404	EA	1 Gallon Nandina domestica - Heavenly Bamboo	14.40	
32 93 33 00-0405	EA	2 Gallon Nandina domestica - Heavenly Bamboo	31.50	
32 93 33 00-0406	EA	5 Gallon Nandina domestica - Heavenly Bamboo	47.70	
32 93 33 00-0407	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.85	
32 93 33 00-0408	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	24.00	
32 93 33 00-0409	EA	1 Gallon Philadelphus - Evergreen Mockorange	12.30	
32 93 33 00-0410	EA	5 Gallon Philadelphus - Evergreen Mockorange	39.90	
32 93 33 00-0411	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	41.89	
32 93 33 00-0412	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	48.87	
32 93 33 00-0413	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	55.85	
32 93 33 00-0414	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	41.89	
32 93 33 00-0415	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	48.87	
32 93 33 00-0416	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	55.85	
32 93 33 00-0417	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	69.81	
32 93 33 00-0418	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	83.78	
32 93 33 00-0419	EA	12" To 15" Spread Pieris - Mountain Andromeda	38.55	
32 93 33 00-0420	EA	15" To 18" Spread Pieris - Mountain Andromeda	82.65	
32 93 33 00-0421	EA	12" To 15" Pieris japonica - Japanese Andromeda	50.10	
32 93 33 00-0422	EA	15" To 18" Pieris japonica - Japanese Andromeda	57.30	
32 93 33 00-0423	EA	18" To 24" Pieris japonica - Japanese Andromeda	71.70	
32 93 33 00-0424	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	101.85	
32 93 33 00-0425	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	120.90	
32 93 33 00-0426	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	43.50	
32 93 33 00-0427	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	55.67	
32 93 33 00-0428	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	66.98	
32 93 33 00-0429	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	86.12	
32 93 33 00-0430	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	103.52	
32 93 33 00-0431	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	151.36	
32 93 33 00-0432	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	93.95	
32 93 33 00-0433	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	113.09	
32 93 33 00-0434	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	150.50	
32 93 33 00-0435	EA	1 Gallon Pittosporum - Pittosporum	5.30	
32 93 33 00-0436	EA	3 Gallon Pittosporum - Pittosporum	13.65	
32 93 33 00-0437	EA	1 Gallon Pittosporum - Variegated Pittosporum	5.30	
32 93 33 00-0438	EA	3 Gallon Pittosporum - Variegated Pittosporum	13.65	
32 93 33 00-0439	EA	5 Gallon Pittosporum - Variegated Pittosporum	23.92	
32 93 33 00-0440	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	6.42	
32 93 33 00-0441	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	19.27	
32 93 33 00-0442	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	23.74	
32 93 33 00-0443	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	33.51	
32 93 33 00-0444	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	25.13	
32 93 33 00-0445	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	27.93	
32 93 33 00-0446	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	40.49	
32 93 33 00-0447	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	46.77	
32 93 33 00-0448	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.98	
32 93 33 00-0449	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.95	
32 93 33 00-0450	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	89.15	
32 93 33 00-0451	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	22.80	
32 93 33 00-0452	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	28.22	
32 93 33 00-0453	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	36.73	
32 93 33 00-0454	EA	15" To 18" Prunus triloba - Double White Flowering Almond	20.37	
32 93 33 00-0455	EA	18" To 24" Prunus triloba - Double White Flowering Almond	26.07	
32 93 33 00-0456	EA	3' To 4' Prunus triloba - Double White Flowering Almond	41.59	
32 93 33 00-0457	EA	4' To 6' Prunus triloba - Double White Flowering Almond	83.27	
32 93 33 00-0458	EA	5 Gallon Prunus triloba - Pink Flowering Almond	25.05	
32 93 33 00-0459	EA	18" To 24" Prunus triloba - Pink Flowering Almond	28.13	
32 93 33 00-0460	EA	2' To 3' Prunus triloba - Pink Flowering Almond	32.71	
32 93 33 00-0461	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	22.24	
32 93 33 00-0462	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	27.29	
32 93 33 00-0463	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	32.71	
32 93 33 00-0464	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	37.47	
32 93 33 00-0465	EA	1 Gallon Punica granatum - Dwarf Pomegranate	9.45	
32 93 33 00-0466	EA	3 Gallon Punica granatum - Dwarf Pomegranate	27.90	
32 93 33 00-0467	EA	7 Gallon Punica granatum - Dwarf Pomegranate	57.30	
32 93 33 00-0468	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	12.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0469	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.90	
32 93 33 00-0470	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	82.65	
32 93 33 00-0471	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	9.60	
32 93 33 00-0472	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	18.30	
32 93 33 00-0473	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	32.55	
32 93 33 00-0474	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	73.20	
32 93 33 00-0475	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	100.35	
32 93 33 00-0476	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	130.50	
32 93 33 00-0477	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	238.65	
32 93 33 00-0478	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	15.60	
32 93 33 00-0479	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	31.50	
32 93 33 00-0480	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	41.10	
32 93 33 00-0481	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	47.70	
32 93 33 00-0482	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	55.80	
32 93 33 00-0483	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	70.05	
32 93 33 00-0484	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	101.85	
32 93 33 00-0485	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	143.10	
32 93 33 00-0486	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	17.55	
32 93 33 00-0487	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	31.50	
32 93 33 00-0488	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	54.15	
32 93 33 00-0489	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.05	
32 93 33 00-0490	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	101.85	
32 93 33 00-0491	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	149.55	
32 93 33 00-0492	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	200.40	
32 93 33 00-0493	EA	5 Gallon Rhododendron - Boxleaf Azara	39.90	
32 93 33 00-0494	EA	15 Gallon Rhododendron - Boxleaf Azara	143.10	
32 93 33 00-0495	EA	15" To 18" Rhododendron - Carolina Rhododendron	45.15	
32 93 33 00-0496	EA	18" To 24" Rhododendron - Carolina Rhododendron	79.50	
32 93 33 00-0497	EA	24" To 30" Rhododendron - Carolina Rhododendron	117.75	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Five-leafed Azalea	53.55	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Five-leafed Azalea	70.05	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Five-leafed Azalea	92.25	
32 93 33 00-0501	EA	15" To 18" Rhododendron - Ghent Azalea	53.55	
32 93 33 00-0502	EA	18" To 24" Rhododendron - Ghent Azalea	66.75	
32 93 33 00-0503	EA	2' To 3' Rhododendron - Ghent Azalea	108.15	
32 93 33 00-0504	EA	3' To 4' Rhododendron - Ghent Azalea	149.55	
32 93 33 00-0505	EA	4' To 5' Rhododendron - Ghent Azalea	200.40	
32 93 33 00-0506	EA	5' To 6' Rhododendron - Ghent Azalea	267.29	
32 93 33 00-0507	EA	1 Gallon Rhododendron - Hybrid Rhododendron	17.55	
32 93 33 00-0508	EA	2 Gallon Rhododendron - Hybrid Rhododendron	37.95	
32 93 33 00-0509	EA	3 Gallon Rhododendron - Hybrid Rhododendron	53.85	
32 93 33 00-0510	EA	5 Gallon Rhododendron - Hybrid Rhododendron	60.15	
32 93 33 00-0511	EA	15" To 18" Rhododendron - Hybrid Rhododendron	50.85	
32 93 33 00-0512	EA	18" To 24" Rhododendron - Hybrid Rhododendron	70.05	
32 93 33 00-0513	EA	24" To 30" Rhododendron - Hybrid Rhododendron	95.40	
32 93 33 00-0514	EA	30" To 36" Rhododendron - Hybrid Rhododendron	111.30	
32 93 33 00-0515	EA	36" To 42" Rhododendron - Hybrid Rhododendron	159.15	
32 93 33 00-0516	EA	42" To 48" Rhododendron - Hybrid Rhododendron	197.25	
32 93 33 00-0517	EA	15" To 18" Rhododendron - Pjm Rhododendron	57.30	
32 93 33 00-0518	EA	18" To 24" Rhododendron - Pjm Rhododendron	70.05	
32 93 33 00-0519	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	101.85	
32 93 33 00-0520	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	130.50	
32 93 33 00-0521	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	159.15	
32 93 33 00-0522	EA	12" To 15" Rhododendron - Torch Azalea	44.55	
32 93 33 00-0523	EA	15" To 18" Rhododendron - Torch Azalea	53.55	
32 93 33 00-0524	EA	18" To 24" Rhododendron - Torch Azalea	66.75	
32 93 33 00-0525	EA	2' To 3' Rhododendron - Torch Azalea	111.30	
32 93 33 00-0526	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	50.27	
32 93 33 00-0527	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	61.44	
32 93 33 00-0528	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	75.40	
32 93 33 00-0529	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	94.95	
32 93 33 00-0530	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	111.70	
32 93 33 00-0531	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	134.04	
32 93 33 00-0532	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	14.40	
32 93 33 00-0533	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	39.90	
32 93 33 00-0534	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	33.51	
32 93 33 00-0535	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	46.08	
32 93 33 00-0536	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	53.06	
32 93 33 00-0537	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	69.81	
32 93 33 00-0538	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	41.89	
32 93 33 00-0539	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	69.81	
32 93 33 00-0540	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	111.70	
32 93 33 00-0541	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	37.70	
32 93 33 00-0542	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	43.28	
32 93 33 00-0543	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	62.83	
32 93 33 00-0544	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	83.78	
32 93 33 00-0545	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	23.04	
32 93 33 00-0546	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	27.93	
32 93 33 00-0547	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	34.91	
32 93 33 00-0548	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	25.13	
32 93 33 00-0549	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	32.11	
32 93 33 00-0550	EA	5 Gallon Sambucus canadensis - American Elder	46.08	
32 93 33 00-0551	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	20.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0552	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	30.30	
32 93 33 00-0553	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	11.25	
32 93 33 00-0554	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	29.40	
32 93 33 00-0555	EA	1 Gallon Skimmia japonica - Japanese Skimmia	14.40	
32 93 33 00-0556	EA	2 Gallon Skimmia japonica - Japanese Skimmia	28.65	
32 93 33 00-0557	EA	5 Gallon Skimmia japonica - Japanese Skimmia	46.20	
32 93 33 00-0558	EA	3' To 4' Spiraea - Garland Spirea	66.75	
32 93 33 00-0559	EA	4' To 5' Spiraea - Garland Spirea	101.85	
32 93 33 00-0560	EA	5 Gallon Spiraea - Snowmound Spirea	39.90	
32 93 33 00-0561	EA	18" To 24" Spiraea - Snowmound Spirea	32.70	
32 93 33 00-0562	EA	2' To 3' Spiraea - Snowmound Spirea	46.20	
32 93 33 00-0563	EA	3' To 4' Spiraea - Snowmound Spirea	53.55	
32 93 33 00-0564	EA	4' To 5' Spiraea - Snowmound Spirea	92.25	
32 93 33 00-0565	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	14.40	
32 93 33 00-0566	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	28.35	
32 93 33 00-0567	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	32.81	
32 93 33 00-0568	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	35.60	
32 93 33 00-0569	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	36.30	
32 93 33 00-0570	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	41.89	
32 93 33 00-0571	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	47.47	
32 93 33 00-0572	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	55.15	
32 93 33 00-0573	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	22.34	
32 93 33 00-0574	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	33.51	
32 93 33 00-0575	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	30.72	
32 93 33 00-0576	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	36.30	
32 93 33 00-0577	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	41.89	
32 93 33 00-0578	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	47.47	
32 93 33 00-0579	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	61.44	
32 93 33 00-0580	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	14.40	
32 93 33 00-0581	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	25.83	
32 93 33 00-0582	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	33.51	
32 93 33 00-0583	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	29.32	
32 93 33 00-0584	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	35.60	
32 93 33 00-0585	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	41.89	
32 93 33 00-0586	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	47.47	
32 93 33 00-0587	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0588	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0589	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	39.10	
32 93 33 00-0590	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	53.06	
32 93 33 00-0591	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	61.44	
32 93 33 00-0592	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	72.61	
32 93 33 00-0593	EA	5 Gallon Staphylea trifolia - Bladdernut	47.14	
32 93 33 00-0594	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	33.51	
32 93 33 00-0595	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	36.30	
32 93 33 00-0596	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	41.89	
32 93 33 00-0597	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	50.27	
32 93 33 00-0598	EA	2 Gallon Symphoricarpos albus - Common Snowberry	34.91	
32 93 33 00-0599	EA	5 Gallon Symphoricarpos albus - Common Snowberry	37.00	
32 93 33 00-0600	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	61.44	
32 93 33 00-0601	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	76.79	
32 93 33 00-0602	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	89.36	
32 93 33 00-0603	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	103.32	
32 93 33 00-0604	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	61.44	
32 93 33 00-0605	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	67.02	
32 93 33 00-0606	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	76.79	
32 93 33 00-0607	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	89.36	
32 93 33 00-0608	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	103.32	
32 93 33 00-0609	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	48.87	
32 93 33 00-0610	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	53.06	
32 93 33 00-0611	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	41.89	
32 93 33 00-0612	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.47	
32 93 33 00-0613	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	53.06	
32 93 33 00-0614	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	61.44	
32 93 33 00-0615	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	75.40	
32 93 33 00-0616	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	34.91	
32 93 33 00-0617	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	40.49	
32 93 33 00-0618	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	53.06	
32 93 33 00-0619	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.01	
32 93 33 00-0620	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	248.53	
32 93 33 00-0621	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	273.67	
32 93 33 00-0622	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	329.52	
32 93 33 00-0623	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	58.64	
32 93 33 00-0624	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	76.79	
32 93 33 00-0625	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	89.36	
32 93 33 00-0626	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	97.74	
32 93 33 00-0627	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	58.64	
32 93 33 00-0628	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	76.79	
32 93 33 00-0629	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	90.76	
32 93 33 00-0630	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	107.51	
32 93 33 00-0631	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	161.97	
32 93 33 00-0632	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	89.36	
32 93 33 00-0633	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	120.08	
32 93 33 00-0634	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	181.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0635	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	265.29	
32 93 33 00-0636	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	304.38	
32 93 33 00-0637	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	353.25	
32 93 33 00-0638	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	39.10	
32 93 33 00-0639	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	54.45	
32 93 33 00-0640	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	76.79	
32 93 33 00-0641	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	66.75	
32 93 33 00-0642	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	101.85	
32 93 33 00-0643	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	133.65	
32 93 33 00-0644	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	8.10	
32 93 33 00-0645	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	22.20	
32 93 33 00-0646	EA	5 Gallon Viburnum plicatum - Japanese Snowball	39.90	
32 93 33 00-0647	EA	5' To 6' Viburnum plicatum - Japanese Snowball	149.55	
32 93 33 00-0648	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	70.05	
32 93 33 00-0649	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	82.65	
32 93 33 00-0650	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	116.25	
32 93 33 00-0651	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	76.79	
32 93 33 00-0652	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	92.15	
32 93 33 00-0653	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	69.81	
32 93 33 00-0654	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	83.78	
32 93 33 00-0655	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	97.74	
32 93 33 00-0656	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	111.70	
32 93 33 00-0657	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.10	
32 93 33 00-0658	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	41.89	
32 93 33 00-0659	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	48.87	
32 93 33 00-0660	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	55.85	
32 93 33 00-0661	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	61.44	
32 93 33 00-0662	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.70	
32 93 33 00-0663	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	41.89	
32 93 33 00-0664	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	53.06	
32 93 33 00-0665	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	61.44	
32 93 33 00-0666	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	83.78	
32 93 33 00-0667	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	100.53	
32 93 33 00-0668	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	41.89	
32 93 33 00-0669	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	55.85	
32 93 33 00-0670	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	69.81	
32 93 33 00-0671	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	97.74	
32 93 33 00-0672	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	139.63	
32 93 33 00-0673	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	195.48	
32 93 33 00-0674	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	251.33	
32 93 33 00-0675	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	50.27	
32 93 33 00-0676	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	55.85	
32 93 33 00-0677	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	100.53	
32 93 33 00-0678	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	153.59	
32 93 33 00-0679	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	195.48	
32 93 33 00-0680	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	237.36	
32 93 33 00-0681	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	293.21	
32 93 33 00-0682	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	349.07	
32 93 33 00-0683	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	418.88	
32 93 33 00-0684	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	488.69	
32 93 33 00-0685	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	42.59	
32 93 33 00-0686	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	46.77	
32 93 33 00-0687	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	53.06	
32 93 33 00-0688	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	61.44	
32 93 33 00-0689	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	70.51	
32 93 33 00-0690	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	40.49	
32 93 33 00-0691	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	48.87	
32 93 33 00-0692	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	58.64	
32 93 33 00-0693	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.02	
32 93 33 00-0694	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	80.98	
32 93 33 00-0695	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	89.36	
32 93 33 00-0696	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	69.81	
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	83.78	
32 93 33 00-0698	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	97.74	
32 93 33 00-0699	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	111.70	
32 93 33 00-0700	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	125.66	
32 93 33 00-0701	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.36	
32 93 33 00-0702	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	100.53	
32 93 33 00-0703	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	114.49	
32 93 33 00-0704	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	131.25	
32 93 33 00-0705	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	82.65	
32 93 33 00-0706	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	101.85	
32 93 33 00-0707	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	149.55	
32 93 33 00-0708	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	46.08	
32 93 33 00-0709	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	41.89	
32 93 33 00-0710	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.47	
32 93 33 00-0711	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	53.06	
32 93 33 00-0712	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	61.44	
32 93 33 00-0713	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	69.81	
32 93 33 00-0714	EA	1 Gallon Xylosma congestum - Shiny Xylosma	9.60	
32 93 33 00-0715	EA	5 Gallon Xylosma congestum - Shiny Xylosma	27.15	
32 93 33 00-0716	EA	15 Gallon Xylosma congestum - Shiny Xylosma	119.40	
32 93 33 00-0717	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	8.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0718	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	21.45	
32 93 33 00-0719	EA	1 Gallon Yucca filamentosa - Adams Needle	11.25	
32 93 33 00-0720	EA	3 Gallon Yucca filamentosa - Adams Needle	21.90	
32 93 33 00-0721	EA	5 Gallon Yucca filamentosa - Adams Needle	34.65	
32 93 33 00-0722	EA	5 Gallon Border Forsythia - Goldenbells	38.55	
32 93 33 00-0723	EA	2' To 3' Border Forsythia - Goldenbells	31.80	
32 93 33 00-0724	EA	3' To 4' Border Forsythia - Goldenbells	40.20	
32 93 33 00-0725	EA	4' To 5' Border Forsythia - Goldenbells	50.10	
32 93 33 00-0726	EA	5' To 6' Border Forsythia - Goldenbells	60.15	
32 93 33 00-0727	EA	6' To 8' Border Forsythia - Goldenbells	82.65	
32 93 33 00-0728	EA	3' Juniperus chinensis - Columnar Chinese Juniper	81.89	
32 93 33 00-0729	EA	4' Juniperus chinensis - Columnar Chinese Juniper	112.40	
32 93 33 00-0730	EA	5' Juniperus chinensis - Columnar Chinese Juniper	176.63	
32 93 33 00-0731	EA	6' Juniperus chinensis - Columnar Chinese Juniper	205.53	
32 93 33 00-0732	EA	7' Juniperus chinensis - Columnar Chinese Juniper	269.76	
32 93 33 00-0733	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	16.06	
32 93 33 00-0734	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	22.48	
32 93 33 00-0735	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	54.43	
32 93 33 00-0736	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	16.06	
32 93 33 00-0737	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	22.48	
32 93 33 00-0738	EA	Beile Poitvine Roses	64.23	
32 93 33 00-0739	EA	3 Gallon Bird Of Paradise	28.90	
32 93 33 00-0740	EA	5 Gallon Bird Of Paradise	44.96	
32 93 33 00-0741	EA	7 Gallon Bird Of Paradise	61.02	
32 93 33 00-0742	EA	10 Gallon Bird Of Paradise	122.03	
32 93 33 00-0743	EA	18" Bonica Roses	73.86	
32 93 33 00-0744	EA	1 Gallon Burmese Grape	12.85	
32 93 33 00-0745	EA	5 Gallon Burmese Grape	35.33	
32 93 33 00-0746	EA	15 Gallon Burmese Grape	131.67	
32 93 33 00-0747	EA	6" To 9" Canby Paxistima	25.69	
32 93 33 00-0748	EA	9" To 12" Canby Paxistima	32.11	
32 93 33 00-0749	EA	12" To 15" Canby Paxistima	41.75	
32 93 33 00-0750	EA	5 Gallon Chastetree	44.96	
32 93 33 00-0751	EA	3' Chinese Lilac	64.23	
32 93 33 00-0752	EA	4' Chinese Lilac	80.28	
32 93 33 00-0753	EA	5' Chinese Lilac	109.19	
32 93 33 00-0754	EA	1 Gallon Christmas Berry	16.06	
32 93 33 00-0755	EA	2 Gallon Christmas Berry	35.33	
32 93 33 00-0756	EA	5 Gallon Christmas Berry	51.38	
32 93 33 00-0757	EA	15 Gallon Christmas Berry	237.64	
32 93 33 00-0758	EA	1 Gallon Concha Wild Lilac	12.85	
32 93 33 00-0759	EA	5 Gallon Concha Wild Lilac	32.11	
32 93 33 00-0760	EA	1 Gallon Flower Carpet Roses	32.11	
32 93 33 00-0761	EA	3 Gallon Flower Carpet Roses	61.02	
32 93 33 00-0762	EA	Goldfinger Potentillas	51.38	
32 93 33 00-0763	EA	Green Mound Alpine Currents	64.23	
32 93 33 00-0764	EA	24" Gro-Low Sumacs	64.23	
32 93 33 00-0765	EA	3 Gallon Heliconia	28.90	
32 93 33 00-0766	EA	1' Ibolium Private	3.21	
32 93 33 00-0767	EA	2' Ibolium Private	12.85	
32 93 33 00-0768	EA	3' Ibolium Private	22.48	
32 93 33 00-0769	EA	5 Gallon Japanese Privit	35.33	
32 93 33 00-0770	EA	24" Spirea - Little Princess	67.44	
32 93 33 00-0771	EA	2' Longstalk Holly	64.23	
32 93 33 00-0772	EA	2-1/2' Longstalk Holly	86.71	
32 93 33 00-0773	EA	3' Longstalk Holly	109.19	
32 93 33 00-0774	EA	3-1/2' Longstalk Holly	122.03	
32 93 33 00-0775	EA	3 Gallon Low Dense Pyracantha	32.11	
32 93 33 00-0776	EA	1 Gallon Pacific Wax Myrtle	9.63	
32 93 33 00-0777	EA	5 Gallon Pacific Wax Myrtle	32.11	
32 93 33 00-0778	EA	1 Gallon Red Escallonia	9.63	
32 93 33 00-0779	EA	5 Gallon Red Escallonia	32.11	
32 93 33 00-0780	EA	15 Gallon Red Escallonia	131.67	
32 93 33 00-0781	EA	24" Smooth Hydrangeas	77.07	
32 93 33 00-0782	EA	15" To 18" Somerset Burkwood Daphne	51.38	
32 93 33 00-0783	EA	18" To 24" Somerset Burkwood Daphne	67.44	
32 93 33 00-0784	EA	1 Gallon Spring Bouquet Laurustinis	9.63	
32 93 33 00-0785	EA	5 Gallon Spring Bouquet Laurustinis	35.33	
32 93 33 00-0786	EA	15" To 18" Summersweet	38.54	
32 93 33 00-0787	EA	18" To 24" Summersweet	44.96	
32 93 33 00-0788	EA	2' Sweet Shrubs	51.38	
32 93 33 00-0789	EA	3' Sweet Shrubs	67.44	
32 93 33 00-0790	EA	1 Gallon Variegated Silverberry	9.63	
32 93 33 00-0791	EA	3 Gallon Variegated Silverberry	22.48	
32 93 33 00-0792	EA	15 Gallon Variegated Silverberry	131.67	
32 93 33 00-0793	EA	1 Gallon Variegated Winter Daphne	16.06	
32 93 33 00-0794	EA	5 Gallon Variegated Winter Daphne	51.38	
32 93 33 00-0795	EA	15 Gallon Variegated Winter Daphne	237.64	
32 93 33 00-0796	EA	2' To 3' Virginia Sweetspire	112.40	
32 93 33 00-0797	EA	1 Gallon Warminster Broom	16.06	
32 93 33 00-0798	EA	2 Gallon Warminster Broom	32.11	
32 93 33 00-0799	EA	5 Gallon Warminster Broom	44.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43		**Trees** *(32 93)*		
		Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.		
32 93 43 00-0001		Deciduous Ornamental Trees *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	306.48	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	374.58	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	425.66	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	493.77	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	561.88	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	664.03	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	304.96	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,089.70	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,362.12	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	272.42	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	681.06	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	885.38	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,021.59	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	1,157.80	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,362.12	
32 93 43 00-0017	EA	6' Albizia julibrissin - Silk Tree	762.89	
32 93 43 00-0018	EA	8' Albizia julibrissin - Silk Tree	1,017.18	
32 93 43 00-0019	EA	10' Albizia julibrissin - Silk Tree	1,271.48	
32 93 43 00-0020	EA	12' Albizia julibrissin - Silk Tree	1,525.78	
32 93 43 00-0021	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	111.70	
32 93 43 00-0022	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	139.63	
32 93 43 00-0023	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	173.14	
32 93 43 00-0024	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	139.63	
32 93 43 00-0025	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	167.55	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	195.48	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	223.40	
32 93 43 00-0028	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	251.33	
32 93 43 00-0029	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	279.25	
32 93 43 00-0030	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	321.14	
32 93 43 00-0031	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	363.03	
32 93 43 00-0032	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	418.88	
32 93 43 00-0033	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	340.53	
32 93 43 00-0034	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	476.74	
32 93 43 00-0035	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0036	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0037	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	425.66	
32 93 43 00-0038	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0039	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0040	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	681.06	
32 93 43 00-0041	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	766.19	
32 93 43 00-0042	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	851.33	
32 93 43 00-0043	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	321.14	
32 93 43 00-0044	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	376.99	
32 93 43 00-0045	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	432.84	
32 93 43 00-0046	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	474.73	
32 93 43 00-0047	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	111.70	
32 93 43 00-0048	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	237.36	
32 93 43 00-0049	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	307.18	
32 93 43 00-0050	EA	2' To 4' Amelemchier - Juneberry	34.00	
32 93 43 00-0051	EA	4' To 5' Amelemchier - Juneberry	35.67	
32 93 43 00-0052	EA	5' To 6' Amelemchier - Juneberry	42.47	
32 93 43 00-0053	EA	6' To 8' Amelemchier - Juneberry	50.67	
32 93 43 00-0054	EA	1-1/2" Caliper Arbutus menziesii - Madrona	552.82	
32 93 43 00-0055	EA	2" Caliper Arbutus menziesii - Madrona	718.66	
32 93 43 00-0056	EA	2-1/2" Caliper Arbutus menziesii - Madrona	829.23	
32 93 43 00-0057	EA	3" Caliper Arbutus menziesii - Madrona	939.79	
32 93 43 00-0058	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,105.63	
32 93 43 00-0059	EA	3' Clump Form Asimina triloba - Paw-Paw	238.37	
32 93 43 00-0060	EA	4' Clump Form Asimina triloba - Paw-Paw	272.42	
32 93 43 00-0061	EA	5' Clump Form Asimina triloba - Paw-Paw	374.58	
32 93 43 00-0062	EA	6' Brachychiton acerifolius - Flame Tree	762.89	
32 93 43 00-0063	EA	8' Brachychiton acerifolius - Flame Tree	1,017.18	
32 93 43 00-0064	EA	10' Brachychiton acerifolius - Flame Tree	1,271.48	
32 93 43 00-0065	EA	12' Brachychiton acerifolius - Flame Tree	1,525.78	
32 93 43 00-0066	EA	5 Gallon Calodendrum capense - Cape Chestnut	47.68	
32 93 43 00-0067	EA	15 Gallon Calodendrum capense - Cape Chestnut	190.72	
32 93 43 00-0068	EA	24" Box Calodendrum capense - Cape Chestnut	715.21	
32 93 43 00-0069	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0070	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0071	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	766.19	
32 93 43 00-0072	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	306.48	
32 93 43 00-0073	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	374.58	
32 93 43 00-0074	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0075	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0076	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	715.11	
32 93 43 00-0077	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	868.35	
32 93 43 00-0078	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	987.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0079	EA	8' Cassia leptophlia - Gold Medallion Tree	413.23	
32 93 43 00-0080	EA	10' Cassia leptophlia - Gold Medallion Tree	524.49	
32 93 43 00-0081	EA	12' Cassia leptophlia - Gold Medallion Tree	635.74	
32 93 43 00-0082	EA	6' Cercis - American Redbud	190.71	
32 93 43 00-0083	EA	8' Cercis - American Redbud	262.38	
32 93 43 00-0084	EA	2-1/2" Caliper Cercis - American Redbud	540.42	
32 93 43 00-0085	EA	3" Caliper Cercis - American Redbud	657.90	
32 93 43 00-0086	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	166.46	
32 93 43 00-0087	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	208.07	
32 93 43 00-0088	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	408.64	
32 93 43 00-0089	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	561.88	
32 93 43 00-0090	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	715.11	
32 93 43 00-0091	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	391.61	
32 93 43 00-0092	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	459.72	
32 93 43 00-0093	EA	5' To 6' Chaenomeles - Orange Quince	107.56	
32 93 43 00-0094	EA	6' To 8' Chaenomeles - Orange Quince	134.45	
32 93 43 00-0095	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	616.67	
32 93 43 00-0096	EA	2" Caliper Chilopsis linearis - Desert Willow	740.64	
32 93 43 00-0097	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	788.32	
32 93 43 00-0098	EA	3" Caliper Chilopsis linearis - Desert Willow	874.14	
32 93 43 00-0099	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.79	
32 93 43 00-0100	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	127.15	
32 93 43 00-0101	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	635.74	
32 93 43 00-0102	EA	6' Chionanthus virginicus - White Fringe Tree	381.44	
32 93 43 00-0103	EA	8' Chionanthus virginicus - White Fringe Tree	548.25	
32 93 43 00-0104	EA	10' Chionanthus virginicus - White Fringe Tree	763.64	
32 93 43 00-0105	EA	5' Clump Form Chionanthus virginicus - White Fringetree	340.53	
32 93 43 00-0106	EA	6' Clump Form Chionanthus virginicus - White Fringetree	425.66	
32 93 43 00-0107	EA	7' Clump Form Chionanthus virginicus - White Fringetree	544.85	
32 93 43 00-0108	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	122.92	
32 93 43 00-0109	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	153.65	
32 93 43 00-0110	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	215.12	
32 93 43 00-0111	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	276.58	
32 93 43 00-0112	EA	4' To 5' Cornus - White Flowering Dogwood	81.95	
32 93 43 00-0113	EA	5' To 6' Cornus - White Flowering Dogwood	122.92	
32 93 43 00-0114	EA	6' To 7' Cornus - White Flowering Dogwood	172.09	
32 93 43 00-0115	EA	3' To 4' Cornus kousa - Japanese Dogwood	81.95	
32 93 43 00-0116	EA	4' To 5' Cornus kousa - Japanese Dogwood	94.24	
32 93 43 00-0117	EA	5' To 6' Cornus kousa - Japanese Dogwood	122.92	
32 93 43 00-0118	EA	6' To 8' Cornus kousa - Japanese Dogwood	180.29	
32 93 43 00-0119	EA	8' To 10' Cornus kousa - Japanese Dogwood	245.85	
32 93 43 00-0120	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	391.61	
32 93 43 00-0121	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	476.74	
32 93 43 00-0122	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	187.29	
32 93 43 00-0123	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	238.37	
32 93 43 00-0124	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	272.42	
32 93 43 00-0125	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	306.48	
32 93 43 00-0126	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	374.58	
32 93 43 00-0127	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	187.29	
32 93 43 00-0128	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	238.37	
32 93 43 00-0129	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	289.45	
32 93 43 00-0130	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	340.53	
32 93 43 00-0131	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	476.74	
32 93 43 00-0132	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	425.66	
32 93 43 00-0133	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	510.80	
32 93 43 00-0134	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	595.93	
32 93 43 00-0135	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0136	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	425.66	
32 93 43 00-0137	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	527.82	
32 93 43 00-0138	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0139	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	681.06	
32 93 43 00-0140	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0141	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0142	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	408.64	
32 93 43 00-0143	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	476.74	
32 93 43 00-0144	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0145	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0146	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	272.42	
32 93 43 00-0147	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	306.48	
32 93 43 00-0148	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0149	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	391.61	
32 93 43 00-0150	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	510.80	
32 93 43 00-0151	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	578.90	
32 93 43 00-0152	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	238.37	
32 93 43 00-0153	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	289.45	
32 93 43 00-0154	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0155	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	425.66	
32 93 43 00-0156	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	527.82	
32 93 43 00-0157	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	629.98	
32 93 43 00-0158	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	732.14	
32 93 43 00-0159	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	272.42	
32 93 43 00-0160	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	306.48	
32 93 43 00-0161	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	425.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0162	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	561.88	
32 93 43 00-0163	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	255.40	
32 93 43 00-0164	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	340.53	
32 93 43 00-0165	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	425.66	
32 93 43 00-0166	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	510.80	
32 93 43 00-0167	EA	15 Gallon Geijera parvifolia - Australian Willow	234.97	
32 93 43 00-0168	EA	24" Box Geijera parvifolia - Australian Willow	483.64	
32 93 43 00-0169	EA	30" Box Geijera parvifolia - Australian Willow	900.70	
32 93 43 00-0170	EA	36" Box Geijera parvifolia - Australian Willow	1,292.31	
32 93 43 00-0171	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	697.07	
32 93 43 00-0172	EA	2" Caliper Ginko Biloba - Maidenhair Tree	971.19	
32 93 43 00-0173	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,170.91	
32 93 43 00-0174	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,366.72	
32 93 43 00-0175	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,789.66	
32 93 43 00-0176	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,911.06	
32 93 43 00-0177	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,036.37	
32 93 43 00-0178	EA	24" Box Ginko Biloba - Maidenhair Tree	636.37	
32 93 43 00-0179	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	170.27	
32 93 43 00-0180	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	221.34	
32 93 43 00-0181	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	272.42	
32 93 43 00-0182	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	374.58	
32 93 43 00-0183	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	510.80	
32 93 43 00-0184	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.79	
32 93 43 00-0185	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	31.33	
32 93 43 00-0186	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	53.85	
32 93 43 00-0187	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	102.80	
32 93 43 00-0188	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	137.06	
32 93 43 00-0189	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	176.22	
32 93 43 00-0190	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	381.44	
32 93 43 00-0191	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	619.85	
32 93 43 00-0192	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	762.89	
32 93 43 00-0193	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	842.36	
32 93 43 00-0194	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	371.91	
32 93 43 00-0195	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	858.25	
32 93 43 00-0196	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,343.00	
32 93 43 00-0197	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	346.48	
32 93 43 00-0198	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	562.63	
32 93 43 00-0199	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	778.78	
32 93 43 00-0200	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	250.63	
32 93 43 00-0201	EA	6' Lagerstroemia indica - Crape Myrtle	466.02	
32 93 43 00-0202	EA	8' Lagerstroemia indica - Crape Myrtle	481.68	
32 93 43 00-0203	EA	10' Lagerstroemia indica - Crape Myrtle	583.50	
32 93 43 00-0204	EA	24" Box Lagerstroemia indica - Crape Myrtle	458.18	
32 93 43 00-0205	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	64.53	
32 93 43 00-0206	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	96.80	
32 93 43 00-0207	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	121.00	
32 93 43 00-0208	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	150.71	
32 93 43 00-0209	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	255.40	
32 93 43 00-0210	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	340.53	
32 93 43 00-0211	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	442.69	
32 93 43 00-0212	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	493.77	
32 93 43 00-0213	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	664.03	
32 93 43 00-0214	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	595.93	
32 93 43 00-0215	EA	6' Magnolia grandiflora 'St. Mary's'	476.80	
32 93 43 00-0216	EA	8' Magnolia grandiflora 'St. Mary's'	842.36	
32 93 43 00-0217	EA	10' Magnolia grandiflora 'St. Mary's'	1,058.51	
32 93 43 00-0218	EA	12' Magnolia grandiflora 'St. Mary's'	1,271.48	
32 93 43 00-0219	EA	14' Magnolia grandiflora 'St. Mary's'	1,478.10	
32 93 43 00-0220	EA	16' Magnolia grandiflora 'St. Mary's'	1,748.28	
32 93 43 00-0221	EA	24" Box Magnolia grandiflora 'St. Mary's'	524.49	
32 93 43 00-0222	EA	6' Magnolia grandiflora - Southern Magnolia	235.22	
32 93 43 00-0223	EA	7' Magnolia grandiflora - Southern Magnolia	356.01	
32 93 43 00-0224	EA	8' Magnolia grandiflora - Southern Magnolia	499.06	
32 93 43 00-0225	EA	9' Magnolia grandiflora - Southern Magnolia	664.35	
32 93 43 00-0226	EA	10' Magnolia grandiflora - Southern Magnolia	1,010.83	
32 93 43 00-0227	EA	24" Box Magnolia grandiflora - Southern Magnolia	413.23	
32 93 43 00-0228	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.40	
32 93 43 00-0229	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	340.53	
32 93 43 00-0230	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	442.69	
32 93 43 00-0231	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	493.77	
32 93 43 00-0232	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	595.93	
32 93 43 00-0233	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	664.03	
32 93 43 00-0234	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.40	
32 93 43 00-0235	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	340.53	
32 93 43 00-0236	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	442.69	
32 93 43 00-0237	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	493.77	
32 93 43 00-0238	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	595.93	
32 93 43 00-0239	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	664.03	
32 93 43 00-0240	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.40	
32 93 43 00-0241	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	340.53	
32 93 43 00-0242	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	442.69	
32 93 43 00-0243	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	493.77	
32 93 43 00-0244	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	595.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0245	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	664.03	
32 93 43 00-0246	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.40	
32 93 43 00-0247	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	340.53	
32 93 43 00-0248	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	442.69	
32 93 43 00-0249	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	493.77	
32 93 43 00-0250	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	595.93	
32 93 43 00-0251	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	664.03	
32 93 43 00-0252	EA	5 Gallon Malus - Crabapple	69.14	
32 93 43 00-0253	EA	15 Gallon Malus - Crabapple	176.32	
32 93 43 00-0254	EA	20 Gallon Malus - Crabapple	207.43	
32 93 43 00-0255	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	204.32	
32 93 43 00-0256	EA	2" Caliper Malus cvs - Crabapple Varieties	272.42	
32 93 43 00-0257	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0258	EA	3" Caliper Malus cvs - Crabapple Varieties	408.64	
32 93 43 00-0259	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0260	EA	4" Caliper Malus cvs - Crabapple Varieties	544.85	
32 93 43 00-0261	EA	6' Clump Form Malus cvs - Crabapple Varieties	306.48	
32 93 43 00-0262	EA	7' Clump Form Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0263	EA	8' Clump Form Malus cvs - Crabapple Varieties	425.66	
32 93 43 00-0264	EA	10' Clump Form Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0265	EA	12' Clump Form Malus cvs - Crabapple Varieties	612.95	
32 93 43 00-0266	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	340.53	
32 93 43 00-0267	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	425.66	
32 93 43 00-0268	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	255.40	
32 93 43 00-0269	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	323.50	
32 93 43 00-0270	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	391.61	
32 93 43 00-0271	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	442.69	
32 93 43 00-0272	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	493.77	
32 93 43 00-0273	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	544.85	
32 93 43 00-0274	EA	4' To 5' Oxydendrum arboreum - Sourwood	156.21	
32 93 43 00-0275	EA	5' To 6' Oxydendrum arboreum - Sourwood	195.27	
32 93 43 00-0276	EA	6' To 7' Oxydendrum arboreum - Sourwood	234.32	
32 93 43 00-0277	EA	7' To 8' Oxydendrum arboreum - Sourwood	273.38	
32 93 43 00-0278	EA	20 Gallon Prunus subhirtella - Flowering Cherry	421.22	
32 93 43 00-0279	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	435.41	
32 93 43 00-0280	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	544.20	
32 93 43 00-0281	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,135.71	
32 93 43 00-0282	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	875.32	
32 93 43 00-0283	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,703.57	
32 93 43 00-0284	EA	4' To 6' Prunus - Pigeon Plum	172.22	
32 93 43 00-0285	EA	8' To 10' Prunus - Pigeon Plum	585.56	
32 93 43 00-0286	EA	10' To 12' Prunus - Pigeon Plum	744.01	
32 93 43 00-0287	EA	14' To 16' Prunus - Pigeon Plum	1,171.13	
32 93 43 00-0288	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	108.80	
32 93 43 00-0289	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	298.01	
32 93 43 00-0290	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	388.11	
32 93 43 00-0291	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	122.99	
32 93 43 00-0292	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	236.51	
32 93 43 00-0293	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	435.41	
32 93 43 00-0294	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	520.55	
32 93 43 00-0295	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	340.81	
32 93 43 00-0296	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	283.81	
32 93 43 00-0297	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	416.26	
32 93 43 00-0298	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	496.90	
32 93 43 00-0299	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	638.81	
32 93 43 00-0300	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	246.20	
32 93 43 00-0301	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	378.65	
32 93 43 00-0302	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	463.56	
32 93 43 00-0303	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	591.51	
32 93 43 00-0304	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	328.86	
32 93 43 00-0305	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	411.08	
32 93 43 00-0306	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	427.52	
32 93 43 00-0307	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	509.74	
32 93 43 00-0308	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	690.62	
32 93 43 00-0309	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	904.38	
32 93 43 00-0310	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,151.03	
32 93 43 00-0311	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	328.86	
32 93 43 00-0312	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	411.08	
32 93 43 00-0313	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	279.54	
32 93 43 00-0314	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	427.52	
32 93 43 00-0315	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	509.29	
32 93 43 00-0316	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	690.62	
32 93 43 00-0317	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	904.38	
32 93 43 00-0318	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	599.04	
32 93 43 00-0319	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	748.80	
32 93 43 00-0320	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	928.52	
32 93 43 00-0321	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	1,048.33	
32 93 43 00-0322	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,168.13	
32 93 43 00-0323	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,497.61	
32 93 43 00-0324	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	455.27	
32 93 43 00-0325	EA	2" Caliper Sophora japonica - Japanese Pagoda	512.18	
32 93 43 00-0326	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	597.54	
32 93 43 00-0327	EA	3" Caliper Sophora japonica - Japanese Pagoda	873.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0328	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,321.10	
32 93 43 00-0329	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	340.53	
32 93 43 00-0330	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	425.66	
32 93 43 00-0331	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	527.82	
32 93 43 00-0332	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	647.01	
32 93 43 00-0333	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	783.22	
32 93 43 00-0334	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	936.46	
32 93 43 00-0335	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	442.69	
32 93 43 00-0336	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	476.74	
32 93 43 00-0337	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	578.90	
32 93 43 00-0338	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	272.42	
32 93 43 00-0339	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	323.50	
32 93 43 00-0340	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	374.58	
32 93 43 00-0341	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	425.66	
32 93 43 00-0342	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	493.77	
32 93 43 00-0343	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	629.98	
32 93 43 00-0344	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	715.11	
32 93 43 00-0345	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	817.27	
32 93 43 00-0346	EA	6' Prunus cerasifera - Purple Leaf Plum	247.94	
32 93 43 00-0347	EA	8' Prunus cerasifera - Purple Leaf Plum	286.08	
32 93 43 00-0348	EA	10' Prunus cerasifera - Purple Leaf Plum	368.73	
32 93 43 00-0349	EA	24" Box Prunus cerasifera - Purple Leaf Plum	392.57	
32 93 43 00-0350	EA	30" Box Prunus cerasifera - Purple Leaf Plum	794.68	
32 93 43 00-0351	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,219.03	
32 93 43 00-0352	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	518.13	
32 93 43 00-0353	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	740.64	
32 93 43 00-0354	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	886.86	
32 93 43 00-0355	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,144.33	
32 93 43 00-0356	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	861.54	
32 93 43 00-0357	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	234.97	
32 93 43 00-0358	EA	6' Stenocarpus sinuatus - Firewheel Tree	762.89	
32 93 43 00-0359	EA	8' Stenocarpus sinuatus - Firewheel Tree	1,017.18	
32 93 43 00-0360	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,271.48	
32 93 43 00-0361	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,525.78	
32 93 43 00-0362	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	754.00	
32 93 43 00-0363	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	2,182.62	
32 93 43 00-0364	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	689.78	
32 93 43 00-0365	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	492.70	
32 93 43 00-0366	EA	2" Caliper Tipuana tipu - Tipu Tree	642.10	
32 93 43 00-0367	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	813.75	
32 93 43 00-0368	EA	3" Caliper Tipuana tipu - Tipu Tree	937.72	
32 93 43 00-0369	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,379.56	
32 93 43 00-0370	EA	4" Caliper Tipuana tipu - Tipu Tree	1,843.65	
32 93 43 00-0371	EA	24" Box Tipuana tipu - Tipu Tree	371.91	

32 93 43 00-0372 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0373	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	260.92	
32 93 43 00-0374	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	319.84	
32 93 43 00-0375	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	416.63	
32 93 43 00-0376	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	540.08	
32 93 43 00-0377	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	27.52	
32 93 43 00-0378	EA	4' To 5' Acer palmatum - Japanese Maple	57.79	
32 93 43 00-0379	EA	5' To 6' Acer palmatum - Japanese Maple	75.68	
32 93 43 00-0380	EA	6' To 7' Acer palmatum - Japanese Maple	137.60	
32 93 43 00-0381	EA	7' To 8' Acer palmatum - Japanese Maple	192.64	
32 93 43 00-0382	EA	8' To 10' Acer palmatum - Japanese Maple	247.68	
32 93 43 00-0383	EA	10' To 12' Acer palmatum - Japanese Maple	330.24	
32 93 43 00-0384	EA	2" Caliper Acer platanoides & cvs - Norway Maple	140.28	
32 93 43 00-0385	EA	2" Caliper Acer platanoides & cvs - Norway Maple	170.78	
32 93 43 00-0386	EA	3" Caliper Acer platanoides & cvs - Norway Maple	219.57	
32 93 43 00-0387	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	256.16	
32 93 43 00-0388	EA	4" Caliper Acer platanoides & cvs - Norway Maple	274.46	
32 93 43 00-0389	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	298.86	
32 93 43 00-0390	EA	5" Caliper Acer platanoides & cvs - Norway Maple	335.45	
32 93 43 00-0391	EA	2" Caliper Acer rubrum & cvs - Red Maple	134.18	
32 93 43 00-0392	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	170.78	
32 93 43 00-0393	EA	3" Caliper Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0394	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	268.36	
32 93 43 00-0395	EA	4" Caliper Acer rubrum & cvs - Red Maple	304.96	
32 93 43 00-0396	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	353.75	
32 93 43 00-0397	EA	5" Caliper Acer rubrum & cvs - Red Maple	396.44	
32 93 43 00-0398	EA	8' Clump Form Acer rubrum & cvs - Red Maple	164.68	
32 93 43 00-0399	EA	10' Clump Form Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0400	EA	12' Clump Form Acer rubrum & cvs - Red Maple	256.16	
32 93 43 00-0401	EA	14' Clump Form Acer rubrum & cvs - Red Maple	292.76	
32 93 43 00-0402	EA	16' Clump Form Acer rubrum & cvs - Red Maple	329.35	
32 93 43 00-0403	EA	18' Clump Form Acer rubrum & cvs - Red Maple	365.95	
32 93 43 00-0404	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	109.78	
32 93 43 00-0405	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	146.38	
32 93 43 00-0406	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	182.97	
32 93 43 00-0407	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	219.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0408	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	256.16	
32 93 43 00-0409	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	292.76	
32 93 43 00-0410	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	329.35	
32 93 43 00-0411	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	134.18	
32 93 43 00-0412	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	176.87	
32 93 43 00-0413	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	213.47	
32 93 43 00-0414	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0415	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0416	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	329.35	
32 93 43 00-0417	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	365.95	
32 93 43 00-0418	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0419	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0420	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	335.45	
32 93 43 00-0421	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	372.05	
32 93 43 00-0422	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	451.34	
32 93 43 00-0423	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	487.93	
32 93 43 00-0424	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	152.48	
32 93 43 00-0425	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	189.07	
32 93 43 00-0426	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	231.77	
32 93 43 00-0427	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	268.36	
32 93 43 00-0428	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	292.76	
32 93 43 00-0429	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	323.25	
32 93 43 00-0430	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	359.85	
32 93 43 00-0431	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	219.57	
32 93 43 00-0432	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	290.32	
32 93 43 00-0433	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	337.89	
32 93 43 00-0434	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	372.05	
32 93 43 00-0435	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	451.34	
32 93 43 00-0436	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	487.93	
32 93 43 00-0437	EA	2" Caliper Aesculus glabra - Ohio Buckeye	164.68	
32 93 43 00-0438	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	195.17	
32 93 43 00-0439	EA	3" Caliper Aesculus glabra - Ohio Buckeye	231.77	
32 93 43 00-0440	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	256.16	
32 93 43 00-0441	EA	4" Caliper Aesculus glabra - Ohio Buckeye	280.56	
32 93 43 00-0442	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	317.15	
32 93 43 00-0443	EA	5" Caliper Aesculus glabra - Ohio Buckeye	365.95	
32 93 43 00-0444	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	213.47	
32 93 43 00-0445	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	237.87	
32 93 43 00-0446	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	268.36	
32 93 43 00-0447	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	304.96	
32 93 43 00-0448	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	365.95	
32 93 43 00-0449	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	213.47	
32 93 43 00-0450	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	237.87	
32 93 43 00-0451	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	268.36	
32 93 43 00-0452	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	304.96	
32 93 43 00-0453	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	365.95	
32 93 43 00-0454	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	152.48	
32 93 43 00-0455	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	176.87	
32 93 43 00-0456	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	201.27	
32 93 43 00-0457	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	231.77	
32 93 43 00-0458	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	158.58	
32 93 43 00-0459	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	195.17	
32 93 43 00-0460	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	219.57	
32 93 43 00-0461	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	243.97	
32 93 43 00-0462	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	274.46	
32 93 43 00-0463	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	304.96	
32 93 43 00-0464	EA	2" Caliper Betula nigra - River Birch	152.48	
32 93 43 00-0465	EA	2-1/2" Caliper Betula nigra - River Birch	172.67	
32 93 43 00-0466	EA	3" Caliper Betula nigra - River Birch	195.17	
32 93 43 00-0467	EA	3-1/2" Caliper Betula nigra - River Birch	243.97	
32 93 43 00-0468	EA	4" Caliper Betula nigra - River Birch	274.46	
32 93 43 00-0469	EA	4-1/2" Caliper Betula nigra - River Birch	304.96	
32 93 43 00-0470	EA	5" Caliper Betula nigra - River Birch	335.45	
32 93 43 00-0471	EA	8' Clump Form Betula nigra - River Birch	140.28	
32 93 43 00-0472	EA	10' Clump Form Betula nigra - River Birch	158.58	
32 93 43 00-0473	EA	12' Clump Form Betula nigra - River Birch	182.97	
32 93 43 00-0474	EA	14' Clump Form Betula nigra - River Birch	213.47	
32 93 43 00-0475	EA	16' Clump Form Betula nigra - River Birch	243.97	
32 93 43 00-0476	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	182.97	
32 93 43 00-0477	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	219.57	
32 93 43 00-0478	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	256.16	
32 93 43 00-0479	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	304.96	
32 93 43 00-0480	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	317.15	
32 93 43 00-0481	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	243.97	
32 93 43 00-0482	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	274.46	
32 93 43 00-0483	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	317.15	
32 93 43 00-0484	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	384.25	
32 93 43 00-0485	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	109.78	
32 93 43 00-0486	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	152.48	
32 93 43 00-0487	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	189.07	
32 93 43 00-0488	EA	2" Caliper Catalpa speciosa - Northern Catalpa	134.18	
32 93 43 00-0489	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	182.97	
32 93 43 00-0490	EA	3" Caliper Catalpa speciosa - Northern Catalpa	237.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0491	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	286.66	
32 93 43 00-0492	EA	4" Caliper Catalpa speciosa - Northern Catalpa	329.35	
32 93 43 00-0493	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	170.78	
32 93 43 00-0494	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	195.17	
32 93 43 00-0495	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	237.87	
32 93 43 00-0496	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	280.56	
32 93 43 00-0497	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	323.25	
32 93 43 00-0498	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	365.95	
32 93 43 00-0499	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	213.47	
32 93 43 00-0500	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0501	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	286.66	
32 93 43 00-0502	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	341.55	
32 93 43 00-0503	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	170.78	
32 93 43 00-0504	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	201.27	
32 93 43 00-0505	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0506	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	304.96	
32 93 43 00-0507	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	365.95	
32 93 43 00-0508	EA	2" Caliper Cladrastus lutea - American Yellowwood	304.96	
32 93 43 00-0509	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	365.95	
32 93 43 00-0510	EA	3" Caliper Cladrastus lutea - American Yellowwood	426.94	
32 93 43 00-0511	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	487.93	
32 93 43 00-0512	EA	2" Caliper Corylus colurna - Turkish Filbert	189.07	
32 93 43 00-0513	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	213.47	
32 93 43 00-0514	EA	3" Caliper Corylus colurna - Turkish Filbert	243.97	
32 93 43 00-0515	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	280.56	
32 93 43 00-0516	EA	4" Caliper Corylus colurna - Turkish Filbert	335.45	
32 93 43 00-0517	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	390.34	
32 93 43 00-0518	EA	5" Caliper Corylus colurna - Turkish Filbert	445.24	
32 93 43 00-0519	EA	8' Clump Form Corylus colurna - Turkish Filbert	170.78	
32 93 43 00-0520	EA	10' Clump Form Corylus colurna - Turkish Filbert	207.37	
32 93 43 00-0521	EA	12' Clump Form Corylus colurna - Turkish Filbert	243.97	
32 93 43 00-0522	EA	14' Clump Form Corylus colurna - Turkish Filbert	274.46	
32 93 43 00-0523	EA	16' Clump Form Corylus colurna - Turkish Filbert	304.96	
32 93 43 00-0524	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon	109.78	
32 93 43 00-0525	EA	2" Caliper Diospyros virginiana - Common Persimmon	134.18	
32 93 43 00-0526	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon	170.78	
32 93 43 00-0527	EA	3" Caliper Diospyros virginiana - Common Persimmon	213.47	
32 93 43 00-0528	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon	256.16	
32 93 43 00-0529	EA	1-1/2" Caliper Fagus grandifolia - American Beech	243.97	
32 93 43 00-0530	EA	2" Caliper Fagus grandifolia - American Beech	317.15	
32 93 43 00-0531	EA	2-1/2" Caliper Fagus grandifolia - American Beech	402.54	
32 93 43 00-0532	EA	3" Caliper Fagus grandifolia - American Beech	487.93	
32 93 43 00-0533	EA	3-1/2" Caliper Fagus grandifolia - American Beech	579.42	
32 93 43 00-0534	EA	2" Caliper Fagus sylvatica & cvs - European Beech	274.46	
32 93 43 00-0535	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	329.35	
32 93 43 00-0536	EA	3" Caliper Fagus sylvatica & cvs - European Beech	396.44	
32 93 43 00-0537	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	439.14	
32 93 43 00-0538	EA	4" Caliper Fagus sylvatica & cvs - European Beech	518.43	
32 93 43 00-0539	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	670.90	
32 93 43 00-0540	EA	5" Caliper Fagus sylvatica & cvs - European Beech	792.89	
32 93 43 00-0541	EA	2" Caliper Fraxinus americana & cvs - White Ash	152.48	
32 93 43 00-0542	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	182.97	
32 93 43 00-0543	EA	3" Caliper Fraxinus americana & cvs - White Ash	231.77	
32 93 43 00-0544	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	280.56	
32 93 43 00-0545	EA	4" Caliper Fraxinus americana & cvs - White Ash	329.35	
32 93 43 00-0546	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	365.95	
32 93 43 00-0547	EA	5" Caliper Fraxinus americana & cvs - White Ash	426.94	
32 93 43 00-0548	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	134.18	
32 93 43 00-0549	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	158.58	
32 93 43 00-0550	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	213.47	
32 93 43 00-0551	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	256.16	
32 93 43 00-0552	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	304.96	
32 93 43 00-0553	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	329.35	
32 93 43 00-0554	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	365.95	
32 93 43 00-0555	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	182.97	
32 93 43 00-0556	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	225.67	
32 93 43 00-0557	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	274.46	
32 93 43 00-0558	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	335.45	
32 93 43 00-0559	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	396.44	
32 93 43 00-0560	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	213.47	
32 93 43 00-0561	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	237.87	
32 93 43 00-0562	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	268.36	
32 93 43 00-0563	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	298.86	
32 93 43 00-0564	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	335.45	
32 93 43 00-0565	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	365.95	
32 93 43 00-0566	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	548.92	
32 93 43 00-0567	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	609.91	
32 93 43 00-0568	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	146.38	
32 93 43 00-0569	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	182.97	
32 93 43 00-0570	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	219.57	
32 93 43 00-0571	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	256.16	
32 93 43 00-0572	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	292.76	
32 93 43 00-0573	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	329.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0574	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	390.34	
32 93 43 00-0575	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	77.15	
32 93 43 00-0576	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	91.18	
32 93 43 00-0577	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	126.25	
32 93 43 00-0578	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	164.13	
32 93 43 00-0579	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	182.36	
32 93 43 00-0580	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	216.03	
32 93 43 00-0581	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	189.07	
32 93 43 00-0582	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	231.77	
32 93 43 00-0583	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	274.46	
32 93 43 00-0584	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	323.25	
32 93 43 00-0585	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	365.95	
32 93 43 00-0586	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	408.64	
32 93 43 00-0587	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	457.43	
32 93 43 00-0588	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	94.40	
32 93 43 00-0589	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	115.63	
32 93 43 00-0590	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	146.50	
32 93 43 00-0591	EA	1-1/2" Caliper Juglans cinerea - Butternut	146.38	
32 93 43 00-0592	EA	2" Caliper Juglans cinerea - Butternut	170.78	
32 93 43 00-0593	EA	2-1/2" Caliper Juglans cinerea - Butternut	213.47	
32 93 43 00-0594	EA	3" Caliper Juglans cinerea - Butternut	268.36	
32 93 43 00-0595	EA	3-1/2" Caliper Juglans cinerea - Butternut	329.35	
32 93 43 00-0596	EA	1-1/2" Caliper Juglans nigra - Black Walnut	146.38	
32 93 43 00-0597	EA	2" Caliper Juglans nigra - Black Walnut	170.78	
32 93 43 00-0598	EA	2-1/2" Caliper Juglans nigra - Black Walnut	213.47	
32 93 43 00-0599	EA	3" Caliper Juglans nigra - Black Walnut	268.36	
32 93 43 00-0600	EA	3-1/2" Caliper Juglans nigra - Black Walnut	329.35	
32 93 43 00-0601	EA	4" Caliper Juglans nigra - Black Walnut	396.44	
32 93 43 00-0602	EA	4-1/2" Caliper Juglans nigra - Black Walnut	457.43	
32 93 43 00-0603	EA	5" Caliper Juglans nigra - Black Walnut	518.43	
32 93 43 00-0604	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	16.51	
32 93 43 00-0605	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	41.28	
32 93 43 00-0606	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	82.56	
32 93 43 00-0607	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	107.33	
32 93 43 00-0608	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	78.43	
32 93 43 00-0609	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	94.95	
32 93 43 00-0610	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	132.10	
32 93 43 00-0611	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	195.17	
32 93 43 00-0612	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	243.97	
32 93 43 00-0613	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	304.96	
32 93 43 00-0614	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	365.95	
32 93 43 00-0615	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	426.94	
32 93 43 00-0616	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	195.17	
32 93 43 00-0617	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	268.36	
32 93 43 00-0618	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0619	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	365.95	
32 93 43 00-0620	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	414.74	
32 93 43 00-0621	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	146.38	
32 93 43 00-0622	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	262.26	
32 93 43 00-0623	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0624	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	195.17	
32 93 43 00-0625	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	243.97	
32 93 43 00-0626	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	304.96	
32 93 43 00-0627	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	365.95	
32 93 43 00-0628	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	426.94	
32 93 43 00-0629	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	85.39	
32 93 43 00-0630	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	97.59	
32 93 43 00-0631	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	115.88	
32 93 43 00-0632	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	146.38	
32 93 43 00-0633	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	182.97	
32 93 43 00-0634	EA	2" Caliper Ostrya virginiana - American Hophornbeam	158.58	
32 93 43 00-0635	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	201.27	
32 93 43 00-0636	EA	3" Caliper Ostrya virginiana - American Hophornbeam	243.97	
32 93 43 00-0637	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	286.66	
32 93 43 00-0638	EA	4" Caliper Ostrya virginiana - American Hophornbeam	347.65	
32 93 43 00-0639	EA	2" Caliper Phellodendron amurense - Amur Corktree	121.98	
32 93 43 00-0640	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	152.48	
32 93 43 00-0641	EA	3" Caliper Phellodendron amurense - Amur Corktree	182.97	
32 93 43 00-0642	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	213.47	
32 93 43 00-0643	EA	4" Caliper Phellodendron amurense - Amur Corktree	243.97	
32 93 43 00-0644	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	274.46	
32 93 43 00-0645	EA	5" Caliper Phellodendron amurense - Amur Corktree	304.96	
32 93 43 00-0646	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	364.20	
32 93 43 00-0647	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	650.07	
32 93 43 00-0648	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	951.61	
32 93 43 00-0649	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,182.66	
32 93 43 00-0650	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,531.20	
32 93 43 00-0651	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,742.66	
32 93 43 00-0652	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	458.18	
32 93 43 00-0653	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	264.98	
32 93 43 00-0654	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	385.42	
32 93 43 00-0655	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	573.34	
32 93 43 00-0656	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	88.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0657	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	106.00	
32 93 43 00-0658	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	144.53	
32 93 43 00-0659	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	175.40	
32 93 43 00-0660	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	72.95	
32 93 43 00-0661	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	91.18	
32 93 43 00-0662	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	161.32	
32 93 43 00-0663	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	231.46	
32 93 43 00-0664	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	146.38	
32 93 43 00-0665	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	176.87	
32 93 43 00-0666	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	213.47	
32 93 43 00-0667	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	256.16	
32 93 43 00-0668	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	304.96	
32 93 43 00-0669	EA	2" Caliper Populus alba & cvs - White Poplar	146.38	
32 93 43 00-0670	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	170.78	
32 93 43 00-0671	EA	3" Caliper Populus alba & cvs - White Poplar	195.17	
32 93 43 00-0672	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	231.77	
32 93 43 00-0673	EA	4" Caliper Populus alba & cvs - White Poplar	256.16	
32 93 43 00-0674	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	292.76	
32 93 43 00-0675	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	134.18	
32 93 43 00-0676	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	176.87	
32 93 43 00-0677	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	213.47	
32 93 43 00-0678	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	256.16	
32 93 43 00-0679	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	304.96	
32 93 43 00-0680	EA	6' To 8' Quercus acutissima - Sawtooth Oak	45.87	
32 93 43 00-0681	EA	8' To 10' Quercus acutissima - Sawtooth Oak	68.80	
32 93 43 00-0682	EA	10' To 12' Quercus acutissima - Sawtooth Oak	80.27	
32 93 43 00-0683	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	91.73	
32 93 43 00-0684	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	103.20	
32 93 43 00-0685	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	363.27	
32 93 43 00-0686	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	489.58	
32 93 43 00-0687	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	662.12	
32 93 43 00-0688	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	883.76	
32 93 43 00-0689	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,066.13	
32 93 43 00-0690	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,178.35	
32 93 43 00-0691	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,585.16	
32 93 43 00-0692	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,991.98	
32 93 43 00-0693	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,398.79	
32 93 43 00-0694	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,910.81	
32 93 43 00-0695	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,422.83	
32 93 43 00-0696	EA	2" Caliper Quercus alba - White Oak	182.97	
32 93 43 00-0697	EA	2-1/2" Caliper Quercus alba - White Oak	213.47	
32 93 43 00-0698	EA	3" Caliper Quercus alba - White Oak	268.36	
32 93 43 00-0699	EA	3-1/2" Caliper Quercus alba - White Oak	335.45	
32 93 43 00-0700	EA	4" Caliper Quercus alba - White Oak	396.44	
32 93 43 00-0701	EA	4-1/2" Caliper Quercus alba - White Oak	487.93	
32 93 43 00-0702	EA	5" Caliper Quercus alba - White Oak	579.42	
32 93 43 00-0703	EA	2" Caliper Quercus bicolor - Swamp White Oak	213.47	
32 93 43 00-0704	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	243.97	
32 93 43 00-0705	EA	3" Caliper Quercus bicolor - Swamp White Oak	280.56	
32 93 43 00-0706	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	311.06	
32 93 43 00-0707	EA	4" Caliper Quercus bicolor - Swamp White Oak	353.75	
32 93 43 00-0708	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	390.34	
32 93 43 00-0709	EA	5" Caliper Quercus bicolor - Swamp White Oak	439.14	
32 93 43 00-0710	EA	10' Clump Form Quercus bicolor - Swamp White Oak	304.96	
32 93 43 00-0711	EA	12' Clump Form Quercus bicolor - Swamp White Oak	365.95	
32 93 43 00-0712	EA	14' Clump Form Quercus bicolor - Swamp White Oak	426.94	
32 93 43 00-0713	EA	16' Clump Form Quercus bicolor - Swamp White Oak	487.93	
32 93 43 00-0714	EA	2" Caliper Quercus coccinea - Scarlet Oak	158.58	
32 93 43 00-0715	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	201.27	
32 93 43 00-0716	EA	3" Caliper Quercus coccinea - Scarlet Oak	250.06	
32 93 43 00-0717	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	304.96	
32 93 43 00-0718	EA	4" Caliper Quercus coccinea - Scarlet Oak	365.95	
32 93 43 00-0719	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	433.04	
32 93 43 00-0720	EA	5" Caliper Quercus coccinea - Scarlet Oak	506.23	
32 93 43 00-0721	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	158.58	
32 93 43 00-0722	EA	2" Caliper Quercus imbricaria - Shingle Oak	213.47	
32 93 43 00-0723	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	286.66	
32 93 43 00-0724	EA	3" Caliper Quercus imbricaria - Shingle Oak	426.94	
32 93 43 00-0725	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	579.42	
32 93 43 00-0726	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	158.58	
32 93 43 00-0727	EA	2" Caliper Quercus macrocarpa - Bur Oak	189.07	
32 93 43 00-0728	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	225.67	
32 93 43 00-0729	EA	3" Caliper Quercus macrocarpa - Bur Oak	274.46	
32 93 43 00-0730	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	335.45	
32 93 43 00-0731	EA	4" Caliper Quercus macrocarpa - Bur Oak	396.44	
32 93 43 00-0732	EA	9' Clump Form Quercus macrocarpa - Bur Oak	365.95	
32 93 43 00-0733	EA	10' Clump Form Quercus macrocarpa - Bur Oak	426.94	
32 93 43 00-0734	EA	12' Clump Form Quercus macrocarpa - Bur Oak	487.93	
32 93 43 00-0735	EA	2" Caliper Quercus palustris - Pin Oak	134.18	
32 93 43 00-0736	EA	2-1/2" Caliper Quercus palustris - Pin Oak	182.97	
32 93 43 00-0737	EA	3" Caliper Quercus palustris - Pin Oak	237.87	
32 93 43 00-0738	EA	3-1/2" Caliper Quercus palustris - Pin Oak	274.46	
32 93 43 00-0739	EA	4" Caliper Quercus palustris - Pin Oak	317.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0740	EA	4-1/2" Caliper Quercus palustris - Pin Oak	359.85	
32 93 43 00-0741	EA	5" Caliper Quercus palustris - Pin Oak	396.44	
32 93 43 00-0742	EA	2" Caliper Quercus robur & cvs - English Oak	158.58	
32 93 43 00-0743	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	195.17	
32 93 43 00-0744	EA	3" Caliper Quercus robur & cvs - English Oak	231.77	
32 93 43 00-0745	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	274.46	
32 93 43 00-0746	EA	4" Caliper Quercus robur & cvs - English Oak	317.15	
32 93 43 00-0747	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	365.95	
32 93 43 00-0748	EA	5" Caliper Quercus robur & cvs - English Oak	414.74	
32 93 43 00-0749	EA	2" Caliper Quercus rubra - Red Oak	182.97	
32 93 43 00-0750	EA	2-1/2" Caliper Quercus rubra - Red Oak	213.47	
32 93 43 00-0751	EA	3" Caliper Quercus rubra - Red Oak	256.16	
32 93 43 00-0752	EA	3-1/2" Caliper Quercus rubra - Red Oak	304.96	
32 93 43 00-0753	EA	4" Caliper Quercus rubra - Red Oak	365.95	
32 93 43 00-0754	EA	4-1/2" Caliper Quercus rubra - Red Oak	426.94	
32 93 43 00-0755	EA	5" Caliper Quercus rubra - Red Oak	487.93	
32 93 43 00-0756	EA	16' Clump Form Quercus rubra - Red Oak	396.44	
32 93 43 00-0757	EA	18' Clump Form Quercus rubra - Red Oak	475.73	
32 93 43 00-0758	EA	20' Clump Form Quercus rubra - Red Oak	530.62	
32 93 43 00-0759	EA	2" Caliper Quercus shumardii - Shumard Oak	207.37	
32 93 43 00-0760	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	262.26	
32 93 43 00-0761	EA	3" Caliper Quercus shumardii - Shumard Oak	304.96	
32 93 43 00-0762	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	365.95	
32 93 43 00-0763	EA	4" Caliper Quercus shumardii - Shumard Oak	426.94	
32 93 43 00-0764	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	487.93	
32 93 43 00-0765	EA	5" Caliper Quercus shumardii - Shumard Oak	548.92	
32 93 43 00-0766	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	182.97	
32 93 43 00-0767	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	219.57	
32 93 43 00-0768	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	274.46	
32 93 43 00-0769	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	335.45	
32 93 43 00-0770	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	390.34	
32 93 43 00-0771	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	439.14	
32 93 43 00-0772	EA	1-1/2" Caliper Quercus suber - Cork Oak	548.25	
32 93 43 00-0773	EA	2" Caliper Quercus suber - Cork Oak	759.72	
32 93 43 00-0774	EA	2-1/2" Caliper Quercus suber - Cork Oak	971.19	
32 93 43 00-0775	EA	3" Caliper Quercus suber - Cork Oak	1,213.99	
32 93 43 00-0776	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,820.99	
32 93 43 00-0777	EA	4" Caliper Quercus suber - Cork Oak	2,349.66	
32 93 43 00-0778	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,054.56	
32 93 43 00-0779	EA	1-1/2" Caliper Quercus ilex - Holly Oak	607.00	
32 93 43 00-0780	EA	2" Caliper Quercus ilex - Holly Oak	818.46	
32 93 43 00-0781	EA	2-1/2" Caliper Quercus ilex - Holly Oak	1,002.52	
32 93 43 00-0782	EA	3" Caliper Quercus ilex - Holly Oak	1,213.99	
32 93 43 00-0783	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,820.99	
32 93 43 00-0784	EA	4" Caliper Quercus ilex - Holly Oak	2,349.66	
32 93 43 00-0785	EA	24" Box Salix babylonica - Weeping Willow	154.16	
32 93 43 00-0786	EA	36" Box Salix babylonica - Weeping Willow	385.42	
32 93 43 00-0787	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	88.66	
32 93 43 00-0788	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	106.00	
32 93 43 00-0789	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	115.63	
32 93 43 00-0790	EA	2" Caliper Salix alba & cvs - White Willow	97.59	
32 93 43 00-0791	EA	2-1/2" Caliper Salix alba & cvs - White Willow	115.88	
32 93 43 00-0792	EA	3" Caliper Salix alba & cvs - White Willow	152.48	
32 93 43 00-0793	EA	3-1/2" Caliper Salix alba & cvs - White Willow	182.97	
32 93 43 00-0794	EA	4" Caliper Salix alba & cvs - White Willow	219.57	
32 93 43 00-0795	EA	4-1/2" Caliper Salix alba & cvs - White Willow	256.16	
32 93 43 00-0796	EA	5" Caliper Salix alba & cvs - White Willow	292.76	
32 93 43 00-0797	EA	5' Clump Form Sassafras albidum - Common Sassafras	115.88	
32 93 43 00-0798	EA	6' Clump Form Sassafras albidum - Common Sassafras	140.28	
32 93 43 00-0799	EA	7' Clump Form Sassafras albidum - Common Sassafras	176.87	
32 93 43 00-0800	EA	8' Clump Form Sassafras albidum - Common Sassafras	201.27	
32 93 43 00-0801	EA	10' Clump Form Sassafras albidum - Common Sassafras	225.67	
32 93 43 00-0802	EA	12' Clump Form Sassafras albidum - Common Sassafras	274.46	
32 93 43 00-0803	EA	14' Clump Form Sassafras albidum - Common Sassafras	335.45	
32 93 43 00-0804	EA	16' Clump Form Sassafras albidum - Common Sassafras	396.44	
32 93 43 00-0805	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	202.00	
32 93 43 00-0806	EA	2" Caliper Sophora japonica - Chinese Scholar	224.45	
32 93 43 00-0807	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	301.60	
32 93 43 00-0808	EA	3" Caliper Sophora japonica - Chinese Scholar	392.78	
32 93 43 00-0809	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	455.91	
32 93 43 00-0810	EA	10' To 12' Swietenia Mahagoni - Mahogany	108.02	
32 93 43 00-0811	EA	12' To 14' Swietenia Mahagoni - Mahogany	126.25	
32 93 43 00-0812	EA	14' To 16' Swietenia Mahagoni - Mahogany	168.34	
32 93 43 00-0813	EA	16' To 18' Swietenia Mahagoni - Mahogany	189.38	
32 93 43 00-0814	EA	2" Caliper Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0815	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	176.87	
32 93 43 00-0816	EA	3" Caliper Taxodium distichum - Common Bald Cypress	213.47	
32 93 43 00-0817	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	243.97	
32 93 43 00-0818	EA	4" Caliper Taxodium distichum - Common Bald Cypress	268.36	
32 93 43 00-0819	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	134.18	
32 93 43 00-0820	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0821	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	219.57	
32 93 43 00-0822	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	243.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0823	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	274.46	
32 93 43 00-0824	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	317.15	
32 93 43 00-0825	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	365.95	
32 93 43 00-0826	EA	2' Thuja occidentalis - American Arborviatae	20.90	
32 93 43 00-0827	EA	2-1/2' Thuja occidentalis - American Arborviatae	22.59	
32 93 43 00-0828	EA	3' Thuja occidentalis - American Arborviatae	32.26	
32 93 43 00-0829	EA	4' Thuja occidentalis - American Arborviatae	44.33	
32 93 43 00-0830	EA	5' Thuja occidentalis - American Arborviatae	61.72	
32 93 43 00-0831	EA	6' Thuja occidentalis - American Arborviatae	85.57	
32 93 43 00-0832	EA	7' Thuja occidentalis - American Arborviatae	103.81	
32 93 43 00-0833	EA	8' Thuja occidentalis - American Arborviatae	145.89	
32 93 43 00-0834	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	152.48	
32 93 43 00-0835	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	176.87	
32 93 43 00-0836	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	225.67	
32 93 43 00-0837	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.26	
32 93 43 00-0838	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	298.86	
32 93 43 00-0839	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	335.45	
32 93 43 00-0840	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	365.95	
32 93 43 00-0841	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	195.17	
32 93 43 00-0842	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	213.47	
32 93 43 00-0843	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	243.97	
32 93 43 00-0844	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	280.56	
32 93 43 00-0845	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	153.39	
32 93 43 00-0846	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	185.29	
32 93 43 00-0847	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	213.47	
32 93 43 00-0848	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.26	
32 93 43 00-0849	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	298.86	
32 93 43 00-0850	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	335.45	
32 93 43 00-0851	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	372.05	
32 93 43 00-0852	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	170.78	
32 93 43 00-0853	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	189.07	
32 93 43 00-0854	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	207.37	
32 93 43 00-0855	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	231.77	
32 93 43 00-0856	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	268.36	
32 93 43 00-0857	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	317.15	
32 93 43 00-0858	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	414.74	
32 93 43 00-0859	EA	2" Caliper Tilia x euchlora - Crimean Linden	170.78	
32 93 43 00-0860	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	219.57	
32 93 43 00-0861	EA	3" Caliper Tilia x euchlora - Crimean Linden	268.36	
32 93 43 00-0862	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	304.96	
32 93 43 00-0863	EA	4" Caliper Tilia x euchlora - Crimean Linden	341.55	
32 93 43 00-0864	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	384.25	
32 93 43 00-0865	EA	5" Caliper Tilia x euchlora - Crimean Linden	414.74	
32 93 43 00-0866	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	170.78	
32 93 43 00-0867	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	195.17	
32 93 43 00-0868	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	213.47	
32 93 43 00-0869	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	231.77	
32 93 43 00-0870	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	256.16	
32 93 43 00-0871	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	304.96	
32 93 43 00-0872	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	359.85	
32 93 43 00-0873	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	195.17	
32 93 43 00-0874	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	213.47	
32 93 43 00-0875	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	231.77	
32 93 43 00-0876	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	256.16	
32 93 43 00-0877	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	304.96	
32 93 43 00-0878	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	359.85	
32 93 43 00-0879	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	414.74	
32 93 43 00-0880	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	195.17	
32 93 43 00-0881	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	213.47	
32 93 43 00-0882	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	231.77	
32 93 43 00-0883	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	256.16	
32 93 43 00-0884	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	304.96	
32 93 43 00-0885	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	359.85	
32 93 43 00-0886	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	414.74	
32 93 43 00-0887		**Evergreen Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0888	EA	6' Abies balsamea - Balsam Fir	149.14	
32 93 43 00-0889	EA	7' Abies balsamea - Balsam Fir	186.42	
32 93 43 00-0890	EA	8' Abies balsamea - Balsam Fir	223.71	
32 93 43 00-0891	EA	9' Abies balsamea - Balsam Fir	298.28	
32 93 43 00-0892	EA	10' Abies balsamea - Balsam Fir	372.85	
32 93 43 00-0893	EA	12' Abies balsamea - Balsam Fir	447.42	
32 93 43 00-0894	EA	6' Abies concolor - White Fir	216.25	
32 93 43 00-0895	EA	7' Abies concolor - White Fir	246.08	
32 93 43 00-0896	EA	8' Abies concolor - White Fir	290.82	
32 93 43 00-0897	EA	9' Abies concolor - White Fir	335.56	
32 93 43 00-0898	EA	10' Abies concolor - White Fir	395.22	
32 93 43 00-0899	EA	12' Abies concolor - White Fir	484.70	
32 93 43 00-0900	EA	14' Abies concolor - White Fir	596.56	
32 93 43 00-0901	EA	16' Abies concolor - White Fir	671.13	
32 93 43 00-0902	EA	6' Abies fraseri - Frasier Fir	149.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0903	EA	7' Abies fraseri - Frasier Fir	186.42	
32 93 43 00-0904	EA	8' Abies fraseri - Frasier Fir	223.71	
32 93 43 00-0905	EA	9' Abies fraseri - Frasier Fir	298.28	
32 93 43 00-0906	EA	10' Abies fraseri - Frasier Fir	372.85	
32 93 43 00-0907	EA	12' Abies fraseri - Frasier Fir	447.42	
32 93 43 00-0908	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	26.86	
32 93 43 00-0909	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	43.18	
32 93 43 00-0910	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	64.15	
32 93 43 00-0911	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	86.31	
32 93 43 00-0912	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	122.53	
32 93 43 00-0913	EA	6' Cedrus decurrens - Incese Cedar	125.20	
32 93 43 00-0914	EA	8' Cedrus decurrens - Incese Cedar	258.98	
32 93 43 00-0915	EA	10' Cedrus decurrens - Incese Cedar	343.02	
32 93 43 00-0916	EA	12' Cedrus decurrens - Incese Cedar	454.50	
32 93 43 00-0917	EA	6' To 8' Cedrus deodara - Indian Cedar	110.87	
32 93 43 00-0918	EA	8' To 10' Cedrus deodara - Indian Cedar	128.36	
32 93 43 00-0919	EA	10' To 12' Cedrus deodara - Indian Cedar	175.02	
32 93 43 00-0920	EA	12' To 14' Cedrus deodara - Indian Cedar	227.51	
32 93 43 00-0921	EA	14' To 16' Cedrus deodara - Indian Cedar	291.72	
32 93 43 00-0922	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	34.66	
32 93 43 00-0923	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	51.99	
32 93 43 00-0924	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	80.87	
32 93 43 00-0925	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	138.63	
32 93 43 00-0926	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	42.00	
32 93 43 00-0927	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	65.39	
32 93 43 00-0928	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	81.65	
32 93 43 00-0929	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	116.70	
32 93 43 00-0930	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.73	
32 93 43 00-0931	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.86	
32 93 43 00-0932	EA	7 Gallon Cleyera japonica - Japanese Cleyera	33.97	
32 93 43 00-0933	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	19.07	
32 93 43 00-0934	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	76.27	
32 93 43 00-0935	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	33.37	
32 93 43 00-0936	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	42.90	
32 93 43 00-0937	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	66.73	
32 93 43 00-0938	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	162.07	
32 93 43 00-0939	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.48	
32 93 43 00-0940	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	15.65	
32 93 43 00-0941	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	52.15	
32 93 43 00-0942	EA	5 Gallon Cupressus sempervirens - Italian Cypress	17.95	
32 93 43 00-0943	EA	15 Gallon Cupressus sempervirens - Italian Cypress	49.35	
32 93 43 00-0944	EA	1 Gallon Illicium anisatum - Anise Tree	5.13	
32 93 43 00-0945	EA	3 Gallon Illicium anisatum - Anise Tree	11.86	
32 93 43 00-0946	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.27	
32 93 43 00-0947	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	10.32	
32 93 43 00-0948	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	12.79	
32 93 43 00-0949	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	15.03	
32 93 43 00-0950	EA	1 Gallon Juniperus - Blue Sargent Juniper	5.27	
32 93 43 00-0951	EA	2 Gallon Juniperus - Blue Sargent Juniper	10.32	
32 93 43 00-0952	EA	3 Gallon Juniperus - Blue Sargent Juniper	12.79	
32 93 43 00-0953	EA	5 Gallon Juniperus - Blue Sargent Juniper	15.03	
32 93 43 00-0954	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	15.03	
32 93 43 00-0955	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	16.26	
32 93 43 00-0956	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	19.63	
32 93 43 00-0957	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	29.16	
32 93 43 00-0958	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	33.76	
32 93 43 00-0959	EA	5' To 6' Juniperus - Fairview Juniper	50.28	
32 93 43 00-0960	EA	1 Gallon Juniperus - Hollywood Juniper	6.73	
32 93 43 00-0961	EA	5 Gallon Juniperus - Hollywood Juniper	18.73	
32 93 43 00-0962	EA	15 Gallon Juniperus - Hollywood Juniper	79.41	
32 93 43 00-0963	EA	4' To 5' Juniperus - Hollywood Juniper	52.49	
32 93 43 00-0964	EA	5' To 6' Juniperus - Hollywood Juniper	67.63	
32 93 43 00-0965	EA	1 Gallon Juniperus - Parson's Juniper	5.27	
32 93 43 00-0966	EA	2 Gallon Juniperus - Parson's Juniper	10.43	
32 93 43 00-0967	EA	3 Gallon Juniperus - Parson's Juniper	12.90	
32 93 43 00-0968	EA	5 Gallon Juniperus - Parson's Juniper	15.25	
32 93 43 00-0969	EA	5 Gallon Juniperus - Skyrocket Juniper	18.84	
32 93 43 00-0970	EA	15 Gallon Juniperus - Skyrocket Juniper	80.19	
32 93 43 00-0971	EA	2' To 3' Juniperus - Skyrocket Juniper	28.26	
32 93 43 00-0972	EA	3' To 4' Juniperus - Skyrocket Juniper	40.04	
32 93 43 00-0973	EA	4' To 5' Juniperus - Skyrocket Juniper	53.05	
32 93 43 00-0974	EA	5' To 6' Juniperus - Skyrocket Juniper	68.42	
32 93 43 00-0975	EA	6' To 8' Juniperus - Skyrocket Juniper	88.38	
32 93 43 00-0976	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.27	
32 93 43 00-0977	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	10.38	
32 93 43 00-0978	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	12.73	
32 93 43 00-0979	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	15.09	
32 93 43 00-0980	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.27	
32 93 43 00-0981	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	10.38	
32 93 43 00-0982	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	12.73	
32 93 43 00-0983	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	15.09	
32 93 43 00-0984	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	28.26	
32 93 43 00-0985	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	40.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0986	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	53.05	
32 93 43 00-0987	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	68.42	
32 93 43 00-0988	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	360.17	
32 93 43 00-0989	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	480.23	
32 93 43 00-0990	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	600.28	
32 93 43 00-0991	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	720.34	
32 93 43 00-0992	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	356.74	
32 93 43 00-0993	EA	6' Melaleuca quinquenervia - Cajeput Tree	360.17	
32 93 43 00-0994	EA	8' Melaleuca quinquenervia - Cajeput Tree	480.23	
32 93 43 00-0995	EA	10' Melaleuca quinquenervia - Cajeput Tree	600.28	
32 93 43 00-0996	EA	12' Melaleuca quinquenervia - Cajeput Tree	720.34	
32 93 43 00-0997	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	200.67	
32 93 43 00-0998	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	505.95	
32 93 43 00-0999	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	797.52	
32 93 43 00-1000	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	106.34	
32 93 43 00-1001	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	144.07	
32 93 43 00-1002	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	245.26	
32 93 43 00-1003	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	303.57	
32 93 43 00-1004	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	202.00	
32 93 43 00-1005	EA	5' Picea abies & cvs - Norway Spruce	164.05	
32 93 43 00-1006	EA	6' Picea abies & cvs - Norway Spruce	186.42	
32 93 43 00-1007	EA	7' Picea abies & cvs - Norway Spruce	223.71	
32 93 43 00-1008	EA	8' Picea abies & cvs - Norway Spruce	260.99	
32 93 43 00-1009	EA	9' Picea abies & cvs - Norway Spruce	350.48	
32 93 43 00-1010	EA	10' Picea abies & cvs - Norway Spruce	425.05	
32 93 43 00-1011	EA	12' Picea abies & cvs - Norway Spruce	521.99	
32 93 43 00-1012	EA	14' Picea abies & cvs - Norway Spruce	633.84	
32 93 43 00-1013	EA	6' Picea glauca - White Spruce	156.60	
32 93 43 00-1014	EA	7' Picea glauca - White Spruce	223.71	
32 93 43 00-1015	EA	8' Picea glauca - White Spruce	260.99	
32 93 43 00-1016	EA	9' Picea glauca - White Spruce	313.19	
32 93 43 00-1017	EA	10' Picea glauca - White Spruce	372.85	
32 93 43 00-1018	EA	12' Picea glauca - White Spruce	447.42	
32 93 43 00-1019	EA	4' Picea glauca densata - Black Hills Spruce	89.48	
32 93 43 00-1020	EA	5' Picea glauca densata - Black Hills Spruce	134.23	
32 93 43 00-1021	EA	6' Picea glauca densata - Black Hills Spruce	201.34	
32 93 43 00-1022	EA	7' Picea glauca densata - Black Hills Spruce	238.62	
32 93 43 00-1023	EA	8' Picea glauca densata - Black Hills Spruce	275.91	
32 93 43 00-1024	EA	9' Picea glauca densata - Black Hills Spruce	305.74	
32 93 43 00-1025	EA	10' Picea glauca densata - Black Hills Spruce	335.56	
32 93 43 00-1026	EA	6' Picea omorika & cvs - Serbian Spruce	201.34	
32 93 43 00-1027	EA	7' Picea omorika & cvs - Serbian Spruce	223.71	
32 93 43 00-1028	EA	8' Picea omorika & cvs - Serbian Spruce	268.45	
32 93 43 00-1029	EA	9' Picea omorika & cvs - Serbian Spruce	313.19	
32 93 43 00-1030	EA	10' Picea omorika & cvs - Serbian Spruce	357.93	
32 93 43 00-1031	EA	5' Picea pungens - Colorado Green Spruce	164.05	
32 93 43 00-1032	EA	6' Picea pungens - Colorado Green Spruce	208.79	
32 93 43 00-1033	EA	7' Picea pungens - Colorado Green Spruce	246.08	
32 93 43 00-1034	EA	8' Picea pungens - Colorado Green Spruce	283.36	
32 93 43 00-1035	EA	9' Picea pungens - Colorado Green Spruce	328.11	
32 93 43 00-1036	EA	10' Picea pungens - Colorado Green Spruce	618.93	
32 93 43 00-1037	EA	12' Picea pungens - Colorado Green Spruce	447.42	
32 93 43 00-1038	EA	14' Picea pungens - Colorado Green Spruce	521.99	
32 93 43 00-1039	EA	16' Picea pungens - Colorado Green Spruce	671.13	
32 93 43 00-1040	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	164.05	
32 93 43 00-1041	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	223.71	
32 93 43 00-1042	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	260.99	
32 93 43 00-1043	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	298.28	
32 93 43 00-1044	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	335.56	
32 93 43 00-1045	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	410.13	
32 93 43 00-1046	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	521.99	
32 93 43 00-1047	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	782.98	
32 93 43 00-1048	EA	6' Pinus canariensis - Canary Island Pine	411.62	
32 93 43 00-1049	EA	8' Pinus canariensis - Canary Island Pine	548.83	
32 93 43 00-1050	EA	10' Pinus canariensis - Canary Island Pine	686.04	
32 93 43 00-1051	EA	12' Pinus canariensis - Canary Island Pine	823.25	
32 93 43 00-1052	EA	24" Box Pinus canariensis - Canary Island Pine	423.63	
32 93 43 00-1053	EA	6' Pinus pinea - Italian Stone Pine	411.62	
32 93 43 00-1054	EA	8' Pinus pinea - Italian Stone Pine	548.83	
32 93 43 00-1055	EA	10' Pinus pinea - Italian Stone Pine	686.04	
32 93 43 00-1056	EA	12' Pinus pinea - Italian Stone Pine	823.25	
32 93 43 00-1057	EA	2' Pinus strobus - Pyramidal White Pine	20.65	
32 93 43 00-1058	EA	3' Pinus strobus - Pyramidal White Pine	27.59	
32 93 43 00-1059	EA	4' Pinus strobus - Pyramidal White Pine	30.44	
32 93 43 00-1060	EA	5' Pinus strobus - Pyramidal White Pine	33.29	
32 93 43 00-1061	EA	6' Pinus strobus - Pyramidal White Pine	41.48	
32 93 43 00-1062	EA	7' Pinus strobus - Pyramidal White Pine	55.19	
32 93 43 00-1063	EA	8' Pinus strobus - Pyramidal White Pine	75.84	
32 93 43 00-1064	EA	10' Pinus strobus - Pyramidal White Pine	151.32	
32 93 43 00-1065	EA	12' Pinus strobus - Pyramidal White Pine	359.62	
32 93 43 00-1066	EA	14' Pinus strobus - Pyramidal White Pine	482.45	
32 93 43 00-1067	EA	16' Pinus strobus - Pyramidal White Pine	580.37	
32 93 43 00-1068	EA	2' Pinus strobus - White Pine	31.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1069	EA	3' Pinus strobus - White Pine	45.28	
32 93 43 00-1070	EA	4' Pinus strobus - White Pine	72.21	
32 93 43 00-1071	EA	5' Pinus strobus - White Pine	102.91	
32 93 43 00-1072	EA	6' Pinus strobus - White Pine	150.93	
32 93 43 00-1073	EA	7' Pinus strobus - White Pine	180.09	
32 93 43 00-1074	EA	8' Pinus strobus - White Pine	243.54	
32 93 43 00-1075	EA	10' Pinus strobus - White Pine	327.58	
32 93 43 00-1076	EA	12' Pinus strobus - White Pine	433.92	
32 93 43 00-1077	EA	14' Pinus strobus - White Pine	531.68	
32 93 43 00-1078	EA	16' Pinus strobus - White Pine	646.59	
32 93 43 00-1079	EA	3' Pinus sylvestris - Scotch Pine	48.99	
32 93 43 00-1080	EA	4' Pinus sylvestris - Scotch Pine	68.01	
32 93 43 00-1081	EA	5' Pinus sylvestris - Scotch Pine	95.45	
32 93 43 00-1082	EA	6' Pinus sylvestris - Scotch Pine	132.44	
32 93 43 00-1083	EA	7' Pinus sylvestris - Scotch Pine	162.26	
32 93 43 00-1084	EA	8' Pinus sylvestris - Scotch Pine	229.08	
32 93 43 00-1085	EA	9' Pinus sylvestris - Scotch Pine	290.82	
32 93 43 00-1086	EA	10' Pinus sylvestris - Scotch Pine	335.56	
32 93 43 00-1087	EA	12' Pinus sylvestris - Scotch Pine	395.22	
32 93 43 00-1088	EA	14' Pinus sylvestris - Scotch Pine	447.42	
32 93 43 00-1089	EA	16' Pinus sylvestris - Scotch Pine	521.99	
32 93 43 00-1090	EA	5' To 6' Pinus taeda - Loblolly Pine	21.32	
32 93 43 00-1091	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	5.27	
32 93 43 00-1092	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	18.73	
32 93 43 00-1093	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	60.68	
32 93 43 00-1094	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	25.68	
32 93 43 00-1095	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	32.64	
32 93 43 00-1096	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	49.01	
32 93 43 00-1097	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	95.67	
32 93 43 00-1098	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	107.33	
32 93 43 00-1099	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	134.14	
32 93 43 00-1100	EA	4' Pinus cembra - Swiss Stone Pine	126.77	
32 93 43 00-1101	EA	5' Pinus cembra - Swiss Stone Pine	156.60	
32 93 43 00-1102	EA	6' Pinus cembra - Swiss Stone Pine	193.88	
32 93 43 00-1103	EA	6' Pinus flexilis & cvs - Limber Pine	186.42	
32 93 43 00-1104	EA	7' Pinus flexilis & cvs - Limber Pine	216.25	
32 93 43 00-1105	EA	8' Pinus flexilis & cvs - Limber Pine	268.45	
32 93 43 00-1106	EA	9' Pinus flexilis & cvs - Limber Pine	328.11	
32 93 43 00-1107	EA	10' Pinus flexilis & cvs - Limber Pine	372.85	
32 93 43 00-1108	EA	1 Gallon Pinus mugo - Mugho Pine	6.95	
32 93 43 00-1109	EA	2 Gallon Pinus mugo - Mugho Pine	14.69	
32 93 43 00-1110	EA	3 Gallon Pinus mugo - Mugho Pine	18.39	
32 93 43 00-1111	EA	5 Gallon Pinus mugo - Mugho Pine	23.33	
32 93 43 00-1112	EA	12" To 15" Spread Pinus mugo - Mugho Pine	18.06	
32 93 43 00-1113	EA	15" To 18" Spread Pinus mugo - Mugho Pine	21.53	
32 93 43 00-1114	EA	18" To 24" Spread Pinus mugo - Mugho Pine	29.16	
32 93 43 00-1115	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	40.83	
32 93 43 00-1116	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	52.49	
32 93 43 00-1117	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	65.39	
32 93 43 00-1118	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	79.41	
32 93 43 00-1119	EA	6' Pinus nigra - Austrian Pine	186.42	
32 93 43 00-1120	EA	7' Pinus nigra - Austrian Pine	223.71	
32 93 43 00-1121	EA	8' Pinus nigra - Austrian Pine	290.82	
32 93 43 00-1122	EA	9' Pinus nigra - Austrian Pine	335.56	
32 93 43 00-1123	EA	10' Pinus nigra - Austrian Pine	395.22	
32 93 43 00-1124	EA	12' Pinus nigra - Austrian Pine	447.42	
32 93 43 00-1125	EA	14' Pinus nigra - Austrian Pine	499.62	
32 93 43 00-1126	EA	16' Pinus nigra - Austrian Pine	566.73	
32 93 43 00-1127	EA	5' Pinus peuce - Macedonian Pine	231.17	
32 93 43 00-1128	EA	6' Pinus peuce - Macedonian Pine	290.82	
32 93 43 00-1129	EA	7' Pinus peuce - Macedonian Pine	335.56	
32 93 43 00-1130	EA	8' Pinus peuce - Macedonian Pine	380.30	
32 93 43 00-1131	EA	9' Pinus peuce - Macedonian Pine	439.96	
32 93 43 00-1132	EA	6' Pittosporum undulatum - Victorian Box	226.39	
32 93 43 00-1133	EA	8' Pittosporum undulatum - Victorian Box	358.46	
32 93 43 00-1134	EA	10' Pittosporum undulatum - Victorian Box	471.65	
32 93 43 00-1135	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.48	
32 93 43 00-1136	EA	3 Gallon Podocarpus - Chinese Podocarpus	8.08	
32 93 43 00-1137	EA	7 Gallon Podocarpus - Chinese Podocarpus	23.33	
32 93 43 00-1138	EA	15 Gallon Podocarpus - Chinese Podocarpus	37.91	
32 93 43 00-1139	EA	4' To 5' Podocarpus - Chinese Podocarpus	58.32	
32 93 43 00-1140	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	428.78	
32 93 43 00-1141	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	565.98	
32 93 43 00-1142	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	720.34	
32 93 43 00-1143	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	857.55	
32 93 43 00-1144	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	200.67	
32 93 43 00-1145	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.98	
32 93 43 00-1146	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	18.69	
32 93 43 00-1147	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	24.53	
32 93 43 00-1148	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	106.34	
32 93 43 00-1149	EA	24" Box Podocarpus macrophyllus - Yew Pine	205.81	
32 93 43 00-1150	EA	5' Pseudotsuga menziesii - Douglas Fir	149.14	
32 93 43 00-1151	EA	6' Pseudotsuga menziesii - Douglas Fir	178.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1152	EA	7' Pseudotsuga menziesii - Douglas Fir	223.71	
32 93 43 00-1153	EA	8' Pseudotsuga menziesii - Douglas Fir	268.45	
32 93 43 00-1154	EA	9' Pseudotsuga menziesii - Douglas Fir	335.56	
32 93 43 00-1155	EA	10' Pseudotsuga menziesii - Douglas Fir	395.22	
32 93 43 00-1156	EA	12' Pseudotsuga menziesii - Douglas Fir	447.42	
32 93 43 00-1157	EA	24" Box Rhus lancea - African Sumac	211.81	
32 93 43 00-1158	EA	30" Box Rhus lancea - African Sumac	343.02	
32 93 43 00-1159	EA	8' Rhus lancea - African Sumac	514.53	
32 93 43 00-1160	EA	10' Rhus lancea - African Sumac	574.56	
32 93 43 00-1161	EA	12' Rhus lancea - African Sumac	686.04	
32 93 43 00-1162	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	72.90	
32 93 43 00-1163	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	98.42	
32 93 43 00-1164	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	120.29	
32 93 43 00-1165	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	14.06	
32 93 43 00-1166	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	51.82	
32 93 43 00-1167	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	64.77	
32 93 43 00-1168	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	80.08	
32 93 43 00-1169	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	101.34	
32 93 43 00-1170	EA	6' Tsuga canadensis - Northern Hemlock	149.14	
32 93 43 00-1171	EA	7' Tsuga canadensis - Northern Hemlock	186.42	
32 93 43 00-1172	EA	8' Tsuga canadensis - Northern Hemlock	253.54	
32 93 43 00-1173	EA	9' Tsuga canadensis - Northern Hemlock	298.28	
32 93 43 00-1174	EA	10' Tsuga canadensis - Northern Hemlock	335.56	
32 93 43 00-1175	EA	12' Tsuga canadensis - Northern Hemlock	372.85	
32 93 43 00-1176	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	26.32	

32 93 43 00-1177 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1178	EA	4' To 5' Acacia baileyana - Bailey Acacia	280.56	
32 93 43 00-1179	EA	6' Acacia baileyana - Bailey Acacia	336.67	
32 93 43 00-1180	EA	8' Acacia baileyana - Bailey Acacia	392.78	
32 93 43 00-1181	EA	10' Acacia baileyana - Bailey Acacia	490.98	
32 93 43 00-1182	EA	6' Agonis flexuosa - Peppermint Tree	168.34	
32 93 43 00-1183	EA	8' Agonis flexuosa - Peppermint Tree	210.42	
32 93 43 00-1184	EA	10' Agonis flexuosa - Peppermint Tree	252.50	
32 93 43 00-1185	EA	24" Box Agonis flexuosa - Peppermint Tree	209.72	
32 93 43 00-1186	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	114.75	
32 93 43 00-1187	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	178.50	
32 93 43 00-1188	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	229.50	
32 93 43 00-1189	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	306.00	
32 93 43 00-1190	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	86.93	
32 93 43 00-1191	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	121.71	
32 93 43 00-1192	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	156.48	
32 93 43 00-1193	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	191.25	
32 93 43 00-1194	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	231.82	
32 93 43 00-1195	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	289.78	
32 93 43 00-1196	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	498.41	
32 93 43 00-1197	EA	6' Bauninia blakeana - Hong Kong Orchid	591.14	
32 93 43 00-1198	EA	8' Bauninia blakeana - Hong Kong Orchid	788.19	
32 93 43 00-1199	EA	10' Bauninia blakeana - Hong Kong Orchid	985.24	
32 93 43 00-1200	EA	6' Bauhinia purpurea - Purple Orchid Tree	625.91	
32 93 43 00-1201	EA	8' Bauhinia purpurea - Purple Orchid Tree	834.55	
32 93 43 00-1202	EA	10' Bauhinia purpurea - Purple Orchid Tree	1,043.19	
32 93 43 00-1203	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	271.23	
32 93 43 00-1204	EA	6' Bauhinia variegata candida - White Orchid Tree	695.46	
32 93 43 00-1205	EA	8' Bauhinia variegata candida - White Orchid Tree	927.28	
32 93 43 00-1206	EA	10' Bauhinia variegata candida - White Orchid Tree	1,159.10	
32 93 43 00-1207	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	378.76	
32 93 43 00-1208	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	505.01	
32 93 43 00-1209	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	631.26	
32 93 43 00-1210	EA	6' Callistemon viminalis - Weeping Bottle Brush	378.76	
32 93 43 00-1211	EA	8' Callistemon viminalis - Weeping Bottle Brush	505.01	
32 93 43 00-1212	EA	10' Callistemon viminalis - Weeping Bottle Brush	631.26	
32 93 43 00-1213	EA	12' Callistemon viminalis - Weeping Bottle Brush	757.51	
32 93 43 00-1214	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	243.41	
32 93 43 00-1215	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	382.50	
32 93 43 00-1216	EA	3' To 4' Chamaerops humilis - European Fan Palm	208.64	
32 93 43 00-1217	EA	5' To 6' Chamaerops humilis - European Fan Palm	278.18	
32 93 43 00-1218	EA	7' To 8' Chamaerops humilis - European Fan Palm	649.10	
32 93 43 00-1219	EA	9' To 10' Chamaerops humilis - European Fan Palm	1,112.74	
32 93 43 00-1220	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	162.27	
32 93 43 00-1221	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	324.55	
32 93 43 00-1222	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	417.28	
32 93 43 00-1223	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	579.55	
32 93 43 00-1224	EA	12' To 16' Cocos nucifera - Coconut Palm	488.84	
32 93 43 00-1225	EA	6' Eriobotrya deflexa - Bronze Loquat	625.91	
32 93 43 00-1226	EA	8' Eriobotrya deflexa - Bronze Loquat	834.55	
32 93 43 00-1227	EA	10' Eriobotrya deflexa - Bronze Loquat	1,043.19	
32 93 43 00-1228	EA	6' Eucalyptus erythrocorys - Red Cap Gum	625.91	
32 93 43 00-1229	EA	8' Eucalyptus erythrocorys - Red Cap Gum	834.55	
32 93 43 00-1230	EA	10' Eucalyptus erythrocorys - Red Cap Gum	1,043.19	
32 93 43 00-1231	EA	6' Eucalyptus gunnii - Cider Gum	625.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1232	EA	8' Eucalyptus gunnii - Cider Gum	834.55	
32 93 43 00-1233	EA	10' Eucalyptus gunnii - Cider Gum	1,043.19	
32 93 43 00-1234	EA	6' Eucalyptus leucoxylon - White Ironbark	625.91	
32 93 43 00-1235	EA	8' Eucalyptus leucoxylon - White Ironbark	834.55	
32 93 43 00-1236	EA	10' Eucalyptus leucoxylon - White Ironbark	1,043.19	
32 93 43 00-1237	EA	12' Eucalyptus leucoxylon - White Ironbark	1,251.83	
32 93 43 00-1238	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	625.91	
32 93 43 00-1239	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	834.55	
32 93 43 00-1240	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	1,043.19	
32 93 43 00-1241	EA	6' Eucalyptus torquala - Coral Gum	625.91	
32 93 43 00-1242	EA	8' Eucalyptus torquala - Coral Gum	834.55	
32 93 43 00-1243	EA	10' Eucalyptus torquala - Coral Gum	1,043.19	
32 93 43 00-1244	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	392.78	
32 93 43 00-1245	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	533.06	
32 93 43 00-1246	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	659.32	
32 93 43 00-1247	EA	6' Jacarandra acutifolia - Jacaranda	625.91	
32 93 43 00-1248	EA	8' Jacarandra acutifolia - Jacaranda	834.55	
32 93 43 00-1249	EA	10' Jacarandra acutifolia - Jacaranda	1,043.19	
32 93 43 00-1250	EA	24" Box Jacarandra acutifolia - Jacaranda	271.23	
32 93 43 00-1251	EA	6' Olea europaea - Olive "Fruitless"	463.08	
32 93 43 00-1252	EA	8' Olea europaea - Olive "Fruitless"	617.44	
32 93 43 00-1253	EA	10' Olea europaea - Olive "Fruitless"	771.80	
32 93 43 00-1254	EA	12' Olea europaea - Olive "Fruitless"	926.15	
32 93 43 00-1255	EA	24" Box Olea europaea - Olive "Fruitless"	569.41	
32 93 43 00-1256	EA	5 Gallon Pistacia chinensis - Chinese Pistache	41.73	
32 93 43 00-1257	EA	15 Gallon Pistacia chinensis - Chinese Pistache	139.09	
32 93 43 00-1258	EA	24" Box Pistacia chinensis - Chinese Pistache	540.14	
32 93 43 00-1259	EA	36" Box Pistacia chinensis - Chinese Pistache	1,437.28	
32 93 43 00-1260	EA	48" Box Pistacia chinensis - Chinese Pistache	3,060.02	
32 93 43 00-1261	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	26.09	
32 93 43 00-1262	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	86.97	
32 93 43 00-1263	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	326.85	
32 93 43 00-1264	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	597.59	
32 93 43 00-1265	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	869.74	
32 93 43 00-1266	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	26.09	
32 93 43 00-1267	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	92.58	
32 93 43 00-1268	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	336.67	
32 93 43 00-1269	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	597.59	
32 93 43 00-1270	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	869.74	
32 93 43 00-1271	EA	4' To 5' Rhapis excelsa - Lady Palm	440.46	
32 93 43 00-1272	EA	6' To 7' Rhapis excelsa - Lady Palm	625.91	
32 93 43 00-1273	EA	8' To 9' Roystonea regia - Royal Palm	354.68	
32 93 43 00-1274	EA	10' To 11' Roystonea regia - Royal Palm	433.50	
32 93 43 00-1275	EA	12' To 13' Roystonea regia - Royal Palm	512.32	
32 93 43 00-1276	EA	14' To 15' Roystonea regia - Royal Palm	591.14	
32 93 43 00-1277	EA	16' To 17' Roystonea regia - Royal Palm	669.96	
32 93 43 00-1278	EA	18' To 19' Roystonea regia - Royal Palm	748.78	
32 93 43 00-1279	EA	20' To 21' Roystonea regia - Royal Palm	827.60	
32 93 43 00-1280	EA	10' To 16' Sabal palmetto - Cabbage Palm	179.25	
32 93 43 00-1281	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	486.82	
32 93 43 00-1282	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	625.91	
32 93 43 00-1283	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	765.01	
32 93 43 00-1284	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	173.86	
32 93 43 00-1285	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	289.78	
32 93 43 00-1286	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	440.46	
32 93 43 00-1287	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	498.41	
32 93 43 00-1288	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	579.55	
32 93 43 00-1289	EA	6' Washingtonia robusta - Mexican Fan Palm	625.91	
32 93 43 00-1290	EA	8' Washingtonia robusta - Mexican Fan Palm	834.55	
32 93 43 00-1291	EA	10' Washingtonia robusta - Mexican Fan Palm	1,043.19	
32 93 43 00-1292	EA	12' Washingtonia robusta - Mexican Fan Palm	1,251.83	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	0.70
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.11
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	1.38
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	2.22
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	11.11
		For >10 To 25, Deduct	*-0.56*
		For >25 To 50, Deduct	*-1.39*
		For >50 To 100, Deduct	*-2.22*
		For >100, Deduct	*-3.33*
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	15.55
		For >10 To 25, Deduct	*-0.78*
		For >25 To 50, Deduct	*-1.94*
		For >50 To 100, Deduct	*-3.11*
		For >100, Deduct	*-4.67*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	19.99	
		For >10 To 25, Deduct	*-1.00*	
		For >25 To 50, Deduct	*-2.50*	
		For >50 To 100, Deduct	*-4.00*	
		For >100, Deduct	*-6.00*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	33.31	
		For >10 To 25, Deduct	*-1.67*	
		For >25 To 50, Deduct	*-4.16*	
		For >50 To 100, Deduct	*-6.66*	
		For >100, Deduct	*-9.99*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	44.42	
		For >10 To 25, Deduct	*-2.22*	
		For >25 To 50, Deduct	*-5.55*	
		For >50 To 100, Deduct	*-8.88*	
		For >100, Deduct	*-13.33*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	57.74	
		For >10 To 25, Deduct	*-2.89*	
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-11.55*	
		For >100, Deduct	*-17.32*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	82.18	
		For >10 To 25, Deduct	*-4.11*	
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-16.44*	
		For >100, Deduct	*-24.65*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	135.49	
		For >10 To 25, Deduct	*-6.77*	
		For >25 To 50, Deduct	*-16.94*	
		For >50 To 100, Deduct	*-27.10*	
		For >100, Deduct	*-40.65*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	175.46	
		For >10 To 25, Deduct	*-8.77*	
		For >25 To 50, Deduct	*-21.93*	
		For >50 To 100, Deduct	*-35.09*	
		For >100, Deduct	*-52.64*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	211.00	
		For >10 To 25, Deduct	*-10.55*	
		For >25 To 50, Deduct	*-26.38*	
		For >50 To 100, Deduct	*-42.20*	
		For >100, Deduct	*-63.30*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	262.08	
		For >10 To 25, Deduct	*-13.10*	
		For >25 To 50, Deduct	*-32.76*	
		For >50 To 100, Deduct	*-52.42*	
		For >100, Deduct	*-78.62*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	310.95	
		For >10 To 25, Deduct	*-15.55*	
		For >25 To 50, Deduct	*-38.87*	
		For >50 To 100, Deduct	*-62.19*	
		For >100, Deduct	*-93.29*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	111.05	
		For >10 To 25, Deduct	*-5.55*	
		For >25 To 50, Deduct	*-13.88*	
		For >50 To 100, Deduct	*-22.21*	
		For >100, Deduct	*-33.32*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	147.92	
		For >10 To 25, Deduct	*-7.40*	
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-29.58*	
		For >100, Deduct	*-44.38*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	166.58	
		For >10 To 25, Deduct	*-8.33*	
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-33.32*	
		For >100, Deduct	*-49.97*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	194.34	
		For >10 To 25, Deduct	*-9.72*	
		For >25 To 50, Deduct	*-24.29*	
		For >50 To 100, Deduct	*-38.87*	
		For >100, Deduct	*-58.30*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	259.87	
		For >10 To 25, Deduct	*-12.99*	
		For >25 To 50, Deduct	*-32.48*	
		For >50 To 100, Deduct	*-51.97*	
		For >100, Deduct	*-77.96*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	297.62	
		For >10 To 25, Deduct	*-14.88*	
		For >25 To 50, Deduct	*-37.20*	
		For >50 To 100, Deduct	*-59.52*	
		For >100, Deduct	*-89.29*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	360.92	
		For >10 To 25, Deduct	*-18.05*	
		For >25 To 50, Deduct	*-45.12*	
		For >50 To 100, Deduct	*-72.18*	
		For >100, Deduct	*-108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	433.11	
		For >10 To 25, Deduct	*-21.66*	
		For >25 To 50, Deduct	*-54.14*	
		For >50 To 100, Deduct	*-86.62*	
		For >100, Deduct	*-129.93*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	499.75	
		For >10 To 25, Deduct	*-24.99*	
		For >25 To 50, Deduct	*-62.47*	
		For >50 To 100, Deduct	*-99.95*	
		For >100, Deduct	*-149.93*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	166.58	
		For >10 To 25, Deduct	*-8.33*	
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-33.32*	
		For >100, Deduct	*-49.97*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	194.34	
		For >10 To 25, Deduct	*-9.72*	
		For >25 To 50, Deduct	*-24.29*	
		For >50 To 100, Deduct	*-38.87*	
		For >100, Deduct	*-58.30*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	260.98	
		For >10 To 25, Deduct	*-13.05*	
		For >25 To 50, Deduct	*-32.62*	
		For >50 To 100, Deduct	*-52.20*	
		For >100, Deduct	*-78.29*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	299.84	
		For >10 To 25, Deduct	*-14.99*	
		For >25 To 50, Deduct	*-37.48*	
		For >50 To 100, Deduct	*-59.97*	
		For >100, Deduct	*-89.95*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	333.16	
		For >10 To 25, Deduct	*-16.66*	
		For >25 To 50, Deduct	*-41.65*	
		For >50 To 100, Deduct	*-66.63*	
		For >100, Deduct	*-99.95*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	382.03	
		For >10 To 25, Deduct	*-19.10*	
		For >25 To 50, Deduct	*-47.75*	
		For >50 To 100, Deduct	*-76.41*	
		For >100, Deduct	*-114.61*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	9.44	
		For >10 To 25, Deduct	*-0.47*	
		For >25 To 50, Deduct	*-1.18*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-2.83*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	13.32	
		For >10 To 25, Deduct	*-0.67*	
		For >25 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-4.00*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	16.66	
		For >10 To 25, Deduct	*-0.83*	
		For >25 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-3.33*	
		For >100, Deduct	*-5.00*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	22.22	
		For >10 To 25, Deduct	*-1.11*	
		For >25 To 50, Deduct	*-2.78*	
		For >50 To 100, Deduct	*-4.44*	
		For >100, Deduct	*-6.67*	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	27.76	
		For >10 To 25, Deduct	*-1.39*	
		For >25 To 50, Deduct	*-3.47*	
		For >50 To 100, Deduct	*-5.55*	
		For >100, Deduct	*-8.33*	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	37.76	
		For >10 To 25, Deduct	*-1.89*	
		For >25 To 50, Deduct	*-4.72*	
		For >50 To 100, Deduct	*-7.55*	
		For >100, Deduct	*-11.33*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	49.97	
		For >10 To 25, Deduct	*-2.50*	
		For >25 To 50, Deduct	*-6.25*	
		For >50 To 100, Deduct	*-9.99*	
		For >100, Deduct	*-14.99*	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	68.85	
		For >10 To 25, Deduct	*-3.44*	
		For >25 To 50, Deduct	*-8.61*	
		For >50 To 100, Deduct	*-13.77*	
		For >100, Deduct	*-20.66*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	115.50	
		For >10 To 25, Deduct	*-5.78*	
		For >25 To 50, Deduct	*-14.44*	
		For >50 To 100, Deduct	*-23.10*	
		For >100, Deduct	*-34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	147.92	
		For >10 To 25, Deduct	*-7.40*	
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-29.58*	
		For >100, Deduct	*-44.38*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	31.09	
		For >10 To 25, Deduct	*-1.55*	
		For >25 To 50, Deduct	*-3.89*	
		For >50 To 100, Deduct	*-6.22*	
		For >100, Deduct	*-9.33*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	32.20	
		For >10 To 25, Deduct	*-1.61*	
		For >25 To 50, Deduct	*-4.03*	
		For >50 To 100, Deduct	*-6.44*	
		For >100, Deduct	*-9.66*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	35.54	
		For >10 To 25, Deduct	*-1.78*	
		For >25 To 50, Deduct	*-4.44*	
		For >50 To 100, Deduct	*-7.11*	
		For >100, Deduct	*-10.66*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	35.54	
		For >10 To 25, Deduct	*-1.78*	
		For >25 To 50, Deduct	*-4.44*	
		For >50 To 100, Deduct	*-7.11*	
		For >100, Deduct	*-10.66*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	38.87	
		For >10 To 25, Deduct	*-1.94*	
		For >25 To 50, Deduct	*-4.86*	
		For >50 To 100, Deduct	*-7.77*	
		For >100, Deduct	*-11.66*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	41.09	
		For >10 To 25, Deduct	*-2.05*	
		For >25 To 50, Deduct	*-5.14*	
		For >50 To 100, Deduct	*-8.22*	
		For >100, Deduct	*-12.33*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	44.42	
		For >10 To 25, Deduct	*-2.22*	
		For >25 To 50, Deduct	*-5.55*	
		For >50 To 100, Deduct	*-8.88*	
		For >100, Deduct	*-13.33*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	66.63	
		For >10 To 25, Deduct	*-3.33*	
		For >25 To 50, Deduct	*-8.33*	
		For >50 To 100, Deduct	*-13.33*	
		For >100, Deduct	*-19.99*	
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	94.39	
		For >10 To 25, Deduct	*-4.72*	
		For >25 To 50, Deduct	*-11.80*	
		For >50 To 100, Deduct	*-18.88*	
		For >100, Deduct	*-28.32*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	125.49	
		For >10 To 25, Deduct	*-6.27*	
		For >25 To 50, Deduct	*-15.69*	
		For >50 To 100, Deduct	*-25.10*	
		For >100, Deduct	*-37.65*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	142.15	
		For >10 To 25, Deduct	*-7.11*	
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-42.65*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	153.26	
		For >10 To 25, Deduct	*-7.66*	
		For >25 To 50, Deduct	*-19.16*	
		For >50 To 100, Deduct	*-30.65*	
		For >100, Deduct	*-45.98*	
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	166.58	
		For >10 To 25, Deduct	*-8.33*	
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-33.32*	
		For >100, Deduct	*-49.97*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	0.93	
		For >10 To 25, Deduct	*-0.05*	
		For >25 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.19*	
		For >100, Deduct	*-0.28*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	1.06	
		For >10 To 25, Deduct	*-0.05*	
		For >25 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.32*	
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	1.23	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	1.48	
		For >10 To 25, Deduct	*-0.07*	
		For >25 To 50, Deduct	*-0.19*	
		For >50 To 100, Deduct	*-0.30*	
		For >100, Deduct	*-0.44*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	1.85	
		For >10 To 25, Deduct	*-0.09*	
		For >25 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.56*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	2.78	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.56*	
		For >100, Deduct	*-0.83*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	8.88	
		For >10 To 25, Deduct	*-0.44*	
		For >25 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-2.66*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	12.22	
		For >10 To 25, Deduct	*-0.61*	
		For >25 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-3.67*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	15.55	
		For >10 To 25, Deduct	*-0.78*	
		For >25 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-3.11*	
		For >100, Deduct	*-4.67*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	19.99	
		For >10 To 25, Deduct	*-1.00*	
		For >25 To 50, Deduct	*-2.50*	
		For >50 To 100, Deduct	*-4.00*	
		For >100, Deduct	*-6.00*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	24.43	
		For >10 To 25, Deduct	*-1.22*	
		For >25 To 50, Deduct	*-3.05*	
		For >50 To 100, Deduct	*-4.89*	
		For >100, Deduct	*-7.33*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	33.31	
		For >10 To 25, Deduct	*-1.67*	
		For >25 To 50, Deduct	*-4.16*	
		For >50 To 100, Deduct	*-6.66*	
		For >100, Deduct	*-9.99*	
32 93 83 00-0070	EA	Bulb Planting	0.56	
		For >10 To 25, Deduct	*-0.03*	
		For >25 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.11*	
		For >100, Deduct	*-0.17*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	15.54	
		For >10 To 25, Deduct	*-0.78*	
		For >25, Deduct	*-1.94*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	22.05	
		For >10 To 25, Deduct	*-1.10*	
		For >25, Deduct	*-2.76*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	29.35	
		For >10 To 25, Deduct	*-1.47*	
		For >25, Deduct	*-3.67*	

32 93 83 00-0074 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	81.83
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	122.73
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	157.37
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	236.02
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	245.04
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	365.94
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	301.53
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	451.77
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	360.94
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	541.15
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	521.76
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	783.96
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	693.97
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,034.80
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	984.09
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	1,474.28
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	1,659.16
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	2,499.93
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	2,286.52
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	3,428.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	4.97	0.58
		For >2,000 To 5,000 LF, Deduct	*-0.38*	
		For >5,000 LF, Deduct	*-0.76*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	2.35	0.58
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.24*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	2.41	0.58
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	2.45	0.58
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.26*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.61	1.38
		For >1,000 LF, Deduct	*-1.22*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.62	1.38
		For >1,000 LF, Deduct	*-1.47*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	8.69	1.38
		For >1,000 LF, Deduct	*-1.49*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.36	1.42
		For >1,000 LF, Deduct	*-1.89*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.60	1.42
		For >1,000 LF, Deduct	*-2.20*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.58	1.42
		For >1,000 LF, Deduct	*-2.19*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.77	1.46
		For >1,000 LF, Deduct	*-1.47*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	10.15	1.46
		For >1,000 LF, Deduct	*-1.82*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	10.29	1.46
		For >1,000 LF, Deduct	*-1.85*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.91	1.51
		For >1,000 LF, Deduct	*-2.24*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.29	1.51
		For >1,000 LF, Deduct	*-2.58*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.41	1.51
		For >1,000 LF, Deduct	*-2.61*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	8.20	1.42
		For >1,000 LF, Deduct	*-1.34*	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	10.23	1.42
		For >1,000 LF, Deduct	*-1.85*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	15.69	1.42
		For >1,000 LF, Deduct	*-3.21*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	5.41	1.38
		For >1,000 LF, Deduct	*-0.67*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	6.62	1.38
		For >1,000 LF, Deduct	*-0.97*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	7.69	1.38
		For >1,000 LF, Deduct	*-1.24*	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	7.91	1.38
		For >1,000 LF, Deduct	*-1.29*	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	1" x 4" Redwood Edging	3.71	0.87
32 94 16 00-0002	LF	2" x 4" Redwood Edging	4.82	1.30
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	5.73	1.73
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	7.55	2.17
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	8.78	2.54
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	2.11	0.87
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	3.22	1.30
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	5.43	1.67
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	7.47	2.17
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	9.23	2.54
32 94 16 00-0011	LF	6" x 8" Railroad Ties	10.58	2.33
32 94 16 00-0012	LF	7" x 9" Railroad Ties	12.43	2.93

32 94 23 Plant Protection *(32 94)*

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	1.75	

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,039.80	29.27
		For >3 To 9, Deduct	*-73.59*	
		For >9, Deduct	*-152.10*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,218.21	29.27
		For >3 To 9, Deduct	*-86.98*	
		For >9, Deduct	*-179.75*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,460.73	39.02
		For >3 To 9, Deduct	*-103.70*	
		For >9, Deduct	*-214.32*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,849.04	39.02
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,374.94	48.78
		For >3 To 9, Deduct	*-170.80*	
		For >9, Deduct	*-352.99*	
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,467.91	58.53
		For >3 To 9, Deduct	*-176.31*	
		For >9, Deduct	*-364.38*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,738.15	58.53
		For >3 To 9, Deduct	*-196.58*	
		For >9, Deduct	*-406.27*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,629.14	82.92
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,786.57	82.92
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	3,917.75	82.92
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,022.70	82.92
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,101.41	82.92
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,477.00	97.57
		For >3 To 9, Deduct	*-321.14*	
		For >9, Deduct	*-663.69*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	950.59	29.27
		For >3 To 9, Deduct	*-66.90*	
		For >9, Deduct	*-138.27*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,173.60	29.27
		For >3 To 9, Deduct	*-83.63*	
		For >9, Deduct	*-172.84*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,724.26	48.78
		For >3 To 9, Deduct	*-122.00*	
		For >9, Deduct	*-252.14*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,065.35	48.78
		For >3 To 9, Deduct	*-147.58*	
		For >9, Deduct	*-305.01*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,380.19	48.78
		For >3 To 9, Deduct	*-171.20*	
		For >9, Deduct	*-353.81*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,668.80	48.78
		For >3 To 9, Deduct	*-192.84*	
		For >9, Deduct	*-398.54*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	2,931.17	48.78
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,167.30	48.78
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	2,970.19	68.29
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,206.32	68.29
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,416.21	68.29
		For >3 To 9, Deduct	*-245.97*	
		For >9, Deduct	*-508.34*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,599.87	68.29
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,757.30	68.29
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,888.48	68.29
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,629.14	82.92
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,786.57	82.92
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	3,917.75	82.92
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,022.70	82.92
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,101.41	82.92
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,153.88	82.92
		For >3 To 9, Deduct	*-299.10*	
		For >9, Deduct	*-618.14*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,180.12	82.92
		For >3 To 9, Deduct	*-301.07*	
		For >9, Deduct	*-622.21*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,206.36	82.92
		For >3 To 9, Deduct	*-303.04*	
		For >9, Deduct	*-626.28*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,849.04	39.02
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,888.39	39.02
		For >3 To 9, Deduct	*-135.78*	
		For >9, Deduct	*-280.60*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,304.10	48.78
		For >3 To 9, Deduct	*-165.49*	
		For >9, Deduct	*-342.01*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,742.26	48.78
		For >3 To 9, Deduct	*-198.35*	
		For >9, Deduct	*-409.93*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	2,931.17	48.78
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	3,865.28	82.92
		For >3 To 9, Deduct	*-277.46*	
		For >9, Deduct	*-573.41*	

32 94 43 00-0046 Tree Grates And Frames (Dura Art Stone) *(32 94 43 00-0001)*

32 94 43 00-0047	EA	36" Square Tree Grate; 3 TGS-1	559.45	30.10
		For >3 To 9, Deduct	*-37.13*	
		For >9, Deduct	*-76.73*	
32 94 43 00-0048	EA	48" Square Tree Grate; 4 TGS-1	891.51	30.10
		For >3 To 9, Deduct	*-62.03*	
		For >9, Deduct	*-128.20*	
32 94 43 00-0049	EA	60" Square Tree Grate; 5 TGS-1	1,355.77	30.10
		For >3 To 9, Deduct	*-96.85*	
		For >9, Deduct	*-200.16*	
32 94 43 00-0050	EA	36" Round Tree Grate; 3 TGR-4	528.70	30.10
		For >3 To 9, Deduct	*-34.82*	
		For >9, Deduct	*-71.96*	
32 94 43 00-0051	EA	48" Round Tree Grate; 4 TGR-4	822.33	30.10
		For >3 To 9, Deduct	*-56.84*	
		For >9, Deduct	*-117.47*	
32 94 43 00-0052	EA	60" Round Tree Grate; 5 TGR-4	1,192.82	30.10
		For >3 To 9, Deduct	*-84.63*	
		For >9, Deduct	*-174.90*	
32 94 43 00-0053	EA	36" Square Tree Grate; 3 TGS-2	654.76	30.10
		For >3 To 9, Deduct	*-44.27*	
		For >9, Deduct	*-91.50*	
32 94 43 00-0054	EA	48" Square Tree Grate; 4 TGS-2	1,085.21	30.10
		For >3 To 9, Deduct	*-76.56*	
		For >9, Deduct	*-158.22*	
32 94 43 00-0055	EA	60" Square Tree Grate; 5 TGS-2	1,654.01	30.10
		For >3 To 9, Deduct	*-119.22*	
		For >9, Deduct	*-246.38*	
32 94 43 00-0056	EA	36" Round Tree Grate; 3 TGR-5	587.12	30.10
		For >3 To 9, Deduct	*-39.20*	
		For >9, Deduct	*-81.02*	
32 94 43 00-0057	EA	48" Round Tree Grate; 4 TGR-5	926.87	30.10
		For >3 To 9, Deduct	*-64.68*	
		For >9, Deduct	*-133.68*	
32 94 43 00-0058	EA	60" Round Tree Grate; 5 TGR-5	1,269.68	30.10
		For >3 To 9, Deduct	*-90.39*	
		For >9, Deduct	*-186.81*	
32 94 43 00-0059	EA	36" Square Tree Grate; 3 TGS-3	771.60	30.10
		For >3 To 9, Deduct	*-53.04*	
		For >9, Deduct	*-109.61*	
32 94 43 00-0060	EA	48" Square Tree Grate; 4 TGS-3	1,243.55	30.10
		For >3 To 9, Deduct	*-88.43*	
		For >9, Deduct	*-182.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0061	EA	60" Square Tree Grate; 5 TGS-3	1,826.19	30.10
		For >3 To 9, Deduct	*-132.13*	
		For >9, Deduct	*-273.07*	
32 94 43 00-0062	EA	36" Round Tree Grate; 3 TGR-6	701.50	30.10
		For >3 To 9, Deduct	*-47.78*	
		For >9, Deduct	*-98.74*	
32 94 43 00-0063	EA	48" Round Tree Grate; 4 TGR-6	1,083.98	30.10
		For >3 To 9, Deduct	*-76.47*	
		For >9, Deduct	*-158.03*	
32 94 43 00-0064	EA	60" Round Tree Grate; 5 TGR-6	1,486.44	30.10
		For >3 To 9, Deduct	*-106.65*	
		For >9, Deduct	*-220.41*	
32 94 43 00-0065	EA	36" Square Tree Grate; 3 TGS-10	771.60	30.10
		For >3 To 9, Deduct	*-53.04*	
		For >9, Deduct	*-109.61*	
32 94 43 00-0066	EA	48" Square Tree Grate; 4 TGS-100	1,105.19	30.10
		For >3 To 9, Deduct	*-78.06*	
		For >9, Deduct	*-161.32*	
32 94 43 00-0067	EA	60" Square Tree Grate; 5 TGS-100	1,561.77	30.10
		For >3 To 9, Deduct	*-112.30*	
		For >9, Deduct	*-232.09*	
32 94 43 00-0068	EA	48" Square Tree Grate; 4 TGR-85	1,135.63	30.10
		For >3 To 9, Deduct	*-80.34*	
		For >9, Deduct	*-166.03*	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	15.84
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	25.60
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	44.13

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	70.83
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	96.06
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	125.26
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	158.45

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	3.74
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	6.53
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	13.50
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	22.35

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	7.24
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	6.23

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	3.87

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	10.89
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	16.42
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	19.63
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	39.03
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	54.78

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	38.34	
		For >25 To 50, Deduct	*-3.83*	
		For >50, Deduct	*-5.75*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	51.88	
		For >25 To 50, Deduct	*-5.19*	
		For >50, Deduct	*-7.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	87.97	
		For >25 To 50, Deduct	*-8.80*	
		For >50, Deduct	*-13.20*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	135.33	
		For >25 To 50, Deduct	*-13.53*	
		For >50, Deduct	*-20.30*	

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-1034 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	159.61	
		For >5 To 10, Deduct	*-7.98*	
		For >10 To 20, Deduct	*-15.96*	
		For >20, Deduct	*-23.94*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	218.90	
		For >5 To 10, Deduct	*-10.95*	
		For >10 To 20, Deduct	*-21.89*	
		For >20, Deduct	*-32.84*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	354.69	
		For >5 To 10, Deduct	*-17.73*	
		For >10 To 20, Deduct	*-35.47*	
		For >20, Deduct	*-53.20*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	589.33	
		For >5 To 10, Deduct	*-29.47*	
		For >10 To 20, Deduct	*-58.93*	
		For >20, Deduct	*-88.40*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	957.67	
		For >5 To 10, Deduct	*-47.88*	
		For >10 To 20, Deduct	*-95.77*	
		For >20, Deduct	*-143.65*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	1,235.69	
		For >5 To 10, Deduct	*-61.78*	
		For >10 To 20, Deduct	*-123.57*	
		For >20, Deduct	*-185.35*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	1,596.11	
		For >5 To 10, Deduct	*-79.81*	
		For >10 To 20, Deduct	*-159.61*	
		For >20, Deduct	*-239.42*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	1,915.33	
		For >5 To 10, Deduct	*-95.77*	
		For >10 To 20, Deduct	*-191.53*	
		For >20, Deduct	*-287.30*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	2,176.51	
		For >5 To 10, Deduct	*-108.83*	
		For >10 To 20, Deduct	*-217.65*	
		For >20, Deduct	*-326.48*	

END OF SECTION 32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	554.53	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method	277.26	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.20	
		For >250 To 500, Deduct	*-0.01*	
		For >500 To 1,000, Deduct	*-0.02*	
		For >1,000 To 2,000, Deduct	*-0.03*	
		For >2,000 To 5,000, Deduct	*-0.04*	
		For >5,000, Deduct	*-0.05*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.32	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.03*	
		For >1,000 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.08*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.42	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.11*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.49	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.05*	
		For >1,000 To 2,000, Deduct	*-0.07*	
		For >2,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.12*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.63	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.16*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	0.72	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.11*	
		For >2,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.18*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	0.84	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.21*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	0.98	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.15*	
		For >2,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.25*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.26	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.32*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	1.85	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.28*	
		For >2,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.46*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	2.56	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.64*	

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0001		**Relining Underground Water Pipelines** *(33 01 10 71)* Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002		**Set-Up And Reinsertion For Relining Underground Water Pipelines** *(33 01 10 71-0001)*		
33 01 10 71-0003	EA	Initial Set-up And Final Equipment Removal For Relining Underground Water Pipelines	3,164.44	
33 01 10 71-0004	EA	Move And Set-up At Different Access/Location	1,265.78	
33 01 10 71-0005		**Lining Pipe With Cement** *(33 01 10 71-0001)*		
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	39.40	
		For 3/16" Thickness, Add	*1.06*	
		For 1/4" Thickness, Add	*2.12*	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	35.18	
		For 3/16" Thickness, Add	*1.06*	
		For 1/4" Thickness, Add	*2.12*	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	29.54	
		For 3/16" Thickness, Add	*1.06*	
		For 1/4" Thickness, Add	*2.12*	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	22.46	
		For 3/16" Thickness, Add	*1.06*	
		For 1/4" Thickness, Add	*2.12*	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	41.42	
		For 3/16" Thickness, Add	*1.59*	
		For 1/4" Thickness, Add	*3.18*	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	37.05	
		For 3/16" Thickness, Add	*1.59*	
		For 1/4" Thickness, Add	*3.18*	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	31.22	
		For 3/16" Thickness, Add	*1.59*	
		For 1/4" Thickness, Add	*3.18*	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	24.04	
		For 3/16" Thickness, Add	*1.59*	
		For 1/4" Thickness, Add	*3.18*	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	43.36	
		For 3/16" Thickness, Add	*2.12*	
		For 1/4" Thickness, Add	*4.23*	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	38.90	
		For 3/16" Thickness, Add	*2.12*	
		For 1/4" Thickness, Add	*4.23*	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	32.87	
		For 3/16" Thickness, Add	*2.12*	
		For 1/4" Thickness, Add	*4.23*	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	25.60	
		For 3/16" Thickness, Add	*2.12*	
		For 1/4" Thickness, Add	*4.23*	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	44.98	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.30*	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	40.45	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.30*	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	34.33	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.30*	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	27.19	
		For 3/16" Thickness, Add	*2.65*	
		For 1/4" Thickness, Add	*5.30*	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	48.90	
		For 3/16" Thickness, Add	*3.18*	
		For 1/4" Thickness, Add	*6.35*	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	44.08	
		For 3/16" Thickness, Add	*3.18*	
		For 1/4" Thickness, Add	*6.35*	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	37.57	
		For 3/16" Thickness, Add	*3.18*	
		For 1/4" Thickness, Add	*6.35*	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	29.84	
		For 3/16" Thickness, Add	*3.18*	
		For 1/4" Thickness, Add	*6.35*	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	54.44	
		For 1/4" Thickness, Add	*3.53*	
		For 5/16" Thickness, Add	*7.07*	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	49.44	
		For 1/4" Thickness, Add	*3.53*	
		For 5/16" Thickness, Add	*7.07*	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	42.65	
		For 1/4" Thickness, Add	*3.53*	
		For 5/16" Thickness, Add	*7.07*	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	35.25	
		For 1/4" Thickness, Add	*3.53*	
		For 5/16" Thickness, Add	*7.07*	
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	57.83	
		For 1/4" Thickness, Add	*4.24*	
		For 5/16" Thickness, Add	*8.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	52.67	
		For 1/4" Thickness, Add	*4.24*	
		For 5/16" Thickness, Add	*8.47*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	45.67	
		For 1/4" Thickness, Add	*4.24*	
		For 5/16" Thickness, Add	*8.47*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	38.65	
		For 1/4" Thickness, Add	*4.24*	
		For 5/16" Thickness, Add	*8.47*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	61.82	
		For 1/4" Thickness, Add	*4.94*	
		For 5/16" Thickness, Add	*9.89*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	56.49	
		For 1/4" Thickness, Add	*4.94*	
		For 5/16" Thickness, Add	*9.89*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	49.14	
		For 1/4" Thickness, Add	*4.94*	
		For 5/16" Thickness, Add	*9.89*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	42.58	
		For 1/4" Thickness, Add	*4.94*	
		For 5/16" Thickness, Add	*9.89*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	65.88	
		For 1/4" Thickness, Add	*5.65*	
		For 5/16" Thickness, Add	*11.31*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	60.32	
		For 1/4" Thickness, Add	*5.65*	
		For 5/16" Thickness, Add	*11.31*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	52.75	
		For 1/4" Thickness, Add	*5.65*	
		For 5/16" Thickness, Add	*11.31*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	46.64	
		For 1/4" Thickness, Add	*5.65*	
		For 5/16" Thickness, Add	*11.31*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	71.98	
		For 1/4" Thickness, Add	*7.06*	
		For 5/16" Thickness, Add	*14.13*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	66.10	
		For 1/4" Thickness, Add	*7.06*	
		For 5/16" Thickness, Add	*14.13*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	58.08	
		For 1/4" Thickness, Add	*7.06*	
		For 5/16" Thickness, Add	*14.13*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	51.89	
		For 1/4" Thickness, Add	*7.06*	
		For 5/16" Thickness, Add	*14.13*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	78.03	
		For 1/4" Thickness, Add	*8.48*	
		For 5/16" Thickness, Add	*16.96*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	71.90	
		For 1/4" Thickness, Add	*8.48*	
		For 5/16" Thickness, Add	*16.96*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	63.42	
		For 1/4" Thickness, Add	*8.48*	
		For 5/16" Thickness, Add	*16.96*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	57.18	
		For 1/4" Thickness, Add	*8.48*	
		For 5/16" Thickness, Add	*16.96*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	101.98	
		For 3/8" Thickness, Add	*22.25*	
		For 7/16" Thickness, Add	*33.38*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	95.30	
		For 3/8" Thickness, Add	*22.25*	
		For 7/16" Thickness, Add	*33.38*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	86.08	
		For 3/8" Thickness, Add	*22.25*	
		For 7/16" Thickness, Add	*33.38*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	79.65	
		For 3/8" Thickness, Add	*22.25*	
		For 7/16" Thickness, Add	*33.38*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	113.16	
		For 3/8" Thickness, Add	*25.43*	
		For 7/16" Thickness, Add	*38.14*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	106.01	
		For 3/8" Thickness, Add	*25.43*	
		For 7/16" Thickness, Add	*38.14*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	96.10	
		For 3/8" Thickness, Add	*25.43*	
		For 7/16" Thickness, Add	*38.14*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	89.54	
		For 3/8" Thickness, Add	*25.43*	
		For 7/16" Thickness, Add	*38.14*	
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	120.68	
		For 3/8" Thickness, Add	*28.61*	
		For 7/16" Thickness, Add	*42.91*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	113.37	
		For 3/8" Thickness, Add	*28.61*	
		For 7/16" Thickness, Add	*42.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	103.24	
		For 3/8" Thickness, Add	*28.61*	
		For 7/16" Thickness, Add	*42.91*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	96.92	
		For 3/8" Thickness, Add	*28.61*	
		For 7/16" Thickness, Add	*42.91*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	128.20	
		For 3/8" Thickness, Add	*31.79*	
		For 7/16" Thickness, Add	*47.69*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	120.77	
		For 3/8" Thickness, Add	*31.79*	
		For 7/16" Thickness, Add	*47.69*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	110.44	
		For 3/8" Thickness, Add	*31.79*	
		For 7/16" Thickness, Add	*47.69*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	104.33	
		For 3/8" Thickness, Add	*31.79*	
		For 7/16" Thickness, Add	*47.69*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	135.91	
		For 3/8" Thickness, Add	*34.97*	
		For 7/16" Thickness, Add	*52.45*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	128.31	
		For 3/8" Thickness, Add	*34.97*	
		For 7/16" Thickness, Add	*52.45*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	117.82	
		For 3/8" Thickness, Add	*34.97*	
		For 7/16" Thickness, Add	*52.45*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	112.16	
		For 3/8" Thickness, Add	*34.97*	
		For 7/16" Thickness, Add	*52.45*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	143.88	
		For 3/8" Thickness, Add	*38.15*	
		For 7/16" Thickness, Add	*57.22*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	136.15	
		For 3/8" Thickness, Add	*38.15*	
		For 7/16" Thickness, Add	*57.22*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	125.40	
		For 3/8" Thickness, Add	*38.15*	
		For 7/16" Thickness, Add	*57.22*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	120.06	
		For 3/8" Thickness, Add	*38.15*	
		For 7/16" Thickness, Add	*57.22*	

33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	38.71
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	34.84
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	29.64
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	27.05
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	41.77
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	37.76
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	32.39
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	29.69
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.80
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	40.69
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	35.14
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	32.41
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.19
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	43.35
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	37.73
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	34.94
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.35
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.92
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	41.93
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	38.91
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	56.87
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.26
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	46.02
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	42.87
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.32
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	56.58
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	50.13
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	46.87
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.36
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.44
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	54.69
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	51.37
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.42
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.31
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	59.34
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	55.85
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	79.74
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	74.32
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.95
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	88.00	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	82.36	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	74.57	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	70.69	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	99.13	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.98	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	84.51	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	80.31	
33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	110.20	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	103.60	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	94.51	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	90.01	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	117.86	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	111.13	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	101.81	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	97.18	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	125.48	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	118.65	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	109.15	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.22	
33 01 10 71-0135		Water House Connection *(33 01 10 71-0001)*		
33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	27.73	

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Set-up For Video Camera *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set-up And Final Equipment Removal For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	559.44
33 01 30 11-0004	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,118.88
33 01 30 11-0005	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	1,678.32
33 01 30 11-0006	EA	Move And Set-up At Different Access/Location For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	279.73
33 01 30 11-0007	EA	Move And Set-up At Different Access/Location For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	559.44

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	1.42
		For >500 To 1,000, Deduct	*-0.14*
		For >1,000 To 5,000, Deduct	*-0.36*
		For >5,000, Deduct	*-0.50*
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	1.89
		For >500 To 1,000, Deduct	*-0.19*
		For >1,000 To 5,000, Deduct	*-0.47*
		For >5,000, Deduct	*-0.66*
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.36
		For >500 To 1,000, Deduct	*-0.24*
		For >1,000 To 5,000, Deduct	*-0.59*
		For >5,000, Deduct	*-0.83*
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.15
		For >500 To 1,000, Deduct	*-0.32*
		For >1,000 To 5,000, Deduct	*-0.79*
		For >5,000, Deduct	*-1.10*
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	4.43
		For >500 To 1,000, Deduct	*-0.44*
		For >1,000 To 5,000, Deduct	*-1.11*
		For >5,000, Deduct	*-1.55*
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.90
		For >500 To 1,000, Deduct	*-0.59*
		For >1,000 To 5,000, Deduct	*-1.48*
		For >5,000, Deduct	*-2.07*
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	8.34
		For >500 To 1,000, Deduct	*-0.83*
		For >1,000 To 5,000, Deduct	*-2.09*
		For >5,000, Deduct	*-2.92*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	11.82	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 5,000, Deduct	*-2.96*	
		For >5,000, Deduct	*-4.14*	

33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.10	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.74*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.80	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-0.98*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.49	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.22*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.66	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.63*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.56	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-2.30*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.74	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 5,000, Deduct	*-2.19*	
		For >5,000, Deduct	*-3.06*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	12.34	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 5,000, Deduct	*-3.09*	
		For >5,000, Deduct	*-4.32*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	17.48	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-6.12*	

33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*

33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	1.49	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.52*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.00	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.70*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.49	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.87*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.33	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.17*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.69	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.64*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.24	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.18*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.82	
		For >500 To 1,000, Deduct	*-0.88*	
		For >1,000 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	12.49	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 5,000, Deduct	*-3.12*	
		For >5,000, Deduct	*-4.37*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 01 22 20 00-0000 for hourly rates for emergency after hours response for homeowners backups, 02 30 00 00-0000 for soil testing, 31 11 00 00-0000 for tree removal, 31 13 13 00-0001 for tree removal, 31 25 14 23-0000 for erosion control, 32 01 17 63-0000 for temporary paving, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	199.05
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	233.70
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	292.10

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Set-up For Pipe Bursting Equipment *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	4,580.79
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	6,871.18
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	11,451.98
33 01 30 23-0011	EA	Move And Set-up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	1,717.80
33 01 30 23-0012	EA	Move And Set-up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	2,576.70
33 01 30 23-0013	EA	Move And Set-up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	4,294.49
33 01 30 23-0014	EA	Move And Set-up Pipe Bursting Equipment For Laterals	1,145.20

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	20.65
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.30*
		For >150 To 200, Add	*0.78*
		For >100 To 150, Add	*1.56*
		For >75 To 100, Add	*2.34*
		For >50 To 75, Add	*3.12*
		For >25 To 50, Add	*4.16*
		For Up To 25, Add	*5.73*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.30*
		For Bursting Ductile Iron Pipe, Add	*4.97*
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	23.15
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.61*
		For >150 To 200, Add	*0.97*
		For >100 To 150, Add	*1.94*
		For >75 To 100, Add	*2.90*
		For >50 To 75, Add	*3.87*
		For >25 To 50, Add	*5.16*
		For Up To 25, Add	*7.10*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.61*
		For Bursting Ductile Iron Pipe, Add	*5.80*
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	25.50
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.91*
		For >150 To 200, Add	*1.14*
		For >100 To 150, Add	*2.29*
		For >75 To 100, Add	*3.43*
		For >50 To 75, Add	*4.58*
		For >25 To 50, Add	*6.10*
		For Up To 25, Add	*8.39*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.91*
		For Bursting Ductile Iron Pipe, Add	*6.57*
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	28.53
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.29*
		For >150 To 200, Add	*1.37*
		For >100 To 150, Add	*2.74*
		For >75 To 100, Add	*4.12*
		For >50 To 75, Add	*5.49*
		For >25 To 50, Add	*7.32*
		For Up To 25, Add	*10.06*
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.29*
		For Bursting Ductile Iron Pipe, Add	*7.57*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	32.02	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.72*	
		For >150 To 200, Add	*1.63*	
		For >100 To 150, Add	*3.27*	
		For >75 To 100, Add	*4.90*	
		For >50 To 75, Add	*6.53*	
		For >25 To 50, Add	*8.71*	
		For Up To 25, Add	*11.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.72*	
		For Bursting Ductile Iron Pipe, Add	*8.72*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	36.63	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.81*	
		For >150 To 200, Add	*1.69*	
		For >100 To 150, Add	*3.37*	
		For >75 To 100, Add	*5.06*	
		For >50 To 75, Add	*6.74*	
		For >25 To 50, Add	*8.99*	
		For Up To 25, Add	*12.36*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.81*	
		For Bursting Ductile Iron Pipe, Add	*9.54*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	40.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.25*	
		For >150 To 200, Add	*1.95*	
		For >100 To 150, Add	*3.90*	
		For >75 To 100, Add	*5.84*	
		For >50 To 75, Add	*7.79*	
		For >25 To 50, Add	*10.39*	
		For Up To 25, Add	*14.28*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.25*	
		For Bursting Ductile Iron Pipe, Add	*10.69*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	52.13	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.86*	
		For >150 To 200, Add	*2.32*	
		For >100 To 150, Add	*4.64*	
		For >75 To 100, Add	*6.95*	
		For >50 To 75, Add	*9.27*	
		For >25 To 50, Add	*12.36*	
		For Up To 25, Add	*17.00*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.86*	
		For Bursting Ductile Iron Pipe, Add	*13.38*	
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	62.06	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.10*	
		For >150 To 200, Add	*3.06*	
		For >100 To 150, Add	*6.12*	
		For >75 To 100, Add	*9.19*	
		For >50 To 75, Add	*12.25*	
		For >25 To 50, Add	*16.33*	
		For Up To 25, Add	*22.46*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.10*	
		For Bursting Ductile Iron Pipe, Add	*16.66*	
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	70.65	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.30*	
		For >150 To 200, Add	*3.18*	
		For >100 To 150, Add	*6.35*	
		For >75 To 100, Add	*9.53*	
		For >50 To 75, Add	*12.71*	
		For >25 To 50, Add	*16.94*	
		For Up To 25, Add	*23.30*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.30*	
		For Bursting Ductile Iron Pipe, Add	*18.22*	
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	90.28	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.75*	
		For >150 To 200, Add	*4.65*	
		For >100 To 150, Add	*9.30*	
		For >75 To 100, Add	*13.95*	
		For >50 To 75, Add	*18.60*	
		For >25 To 50, Add	*24.80*	
		For Up To 25, Add	*34.09*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.75*	
		For Bursting Ductile Iron Pipe, Add	*24.70*	

33 01 30 23-0027 Static Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	25.71	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.93*	
		For >150 To 200, Add	*1.16*	
		For >100 To 150, Add	*2.32*	
		For >75 To 100, Add	*3.48*	
		For >50 To 75, Add	*4.64*	
		For >25 To 50, Add	*6.19*	
		For Up To 25, Add	*8.51*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.93*	
		For Bursting Ductile Iron Pipe, Add	*6.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	28.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.25*	
		For >150 To 200, Add	*1.35*	
		For >100 To 150, Add	*2.70*	
		For >75 To 100, Add	*4.05*	
		For >50 To 75, Add	*5.40*	
		For >25 To 50, Add	*7.20*	
		For Up To 25, Add	*9.89*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.25*	
		For Bursting Ductile Iron Pipe, Add	*7.47*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	31.14	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.61*	
		For >150 To 200, Add	*1.57*	
		For >100 To 150, Add	*3.14*	
		For >75 To 100, Add	*4.70*	
		For >50 To 75, Add	*6.27*	
		For >25 To 50, Add	*8.36*	
		For Up To 25, Add	*11.50*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.61*	
		For Bursting Ductile Iron Pipe, Add	*8.43*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	34.92	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.09*	
		For >150 To 200, Add	*1.85*	
		For >100 To 150, Add	*3.70*	
		For >75 To 100, Add	*5.55*	
		For >50 To 75, Add	*7.40*	
		For >25 To 50, Add	*9.87*	
		For Up To 25, Add	*13.57*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.09*	
		For Bursting Ductile Iron Pipe, Add	*9.68*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	39.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.63*	
		For >150 To 200, Add	*2.18*	
		For >100 To 150, Add	*4.36*	
		For >75 To 100, Add	*6.54*	
		For >50 To 75, Add	*8.72*	
		For >25 To 50, Add	*11.62*	
		For Up To 25, Add	*15.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.63*	
		For Bursting Ductile Iron Pipe, Add	*11.12*	
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	47.01	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.11*	
		For >150 To 200, Add	*2.46*	
		For >100 To 150, Add	*4.93*	
		For >75 To 100, Add	*7.39*	
		For >50 To 75, Add	*9.86*	
		For >25 To 50, Add	*13.14*	
		For Up To 25, Add	*18.07*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.11*	
		For Bursting Ductile Iron Pipe, Add	*12.97*	
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	51.34	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.65*	
		For >150 To 200, Add	*2.79*	
		For >100 To 150, Add	*5.58*	
		For >75 To 100, Add	*8.37*	
		For >50 To 75, Add	*11.16*	
		For >25 To 50, Add	*14.88*	
		For Up To 25, Add	*20.45*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.65*	
		For Bursting Ductile Iron Pipe, Add	*14.40*	
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	65.76	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.57*	
		For >150 To 200, Add	*3.34*	
		For >100 To 150, Add	*6.68*	
		For >75 To 100, Add	*10.02*	
		For >50 To 75, Add	*13.36*	
		For >25 To 50, Add	*17.81*	
		For Up To 25, Add	*24.49*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.57*	
		For Bursting Ductile Iron Pipe, Add	*17.88*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	83.28	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.76*	
		For >150 To 200, Add	*4.65*	
		For >100 To 150, Add	*9.31*	
		For >75 To 100, Add	*13.96*	
		For >50 To 75, Add	*18.62*	
		For >25 To 50, Add	*24.82*	
		For Up To 25, Add	*34.13*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.76*	
		For Bursting Ductile Iron Pipe, Add	*23.66*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	102.44	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.27*	
		For >150 To 200, Add	*5.56*	
		For >100 To 150, Add	*11.12*	
		For >75 To 100, Add	*16.68*	
		For >50 To 75, Add	*22.25*	
		For >25 To 50, Add	*29.66*	
		For Up To 25, Add	*40.78*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.27*	
		For Bursting Ductile Iron Pipe, Add	*28.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	121.24	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*11.62*	
		For >150 To 200, Add	*6.97*	
		For >100 To 150, Add	*13.94*	
		For >75 To 100, Add	*20.91*	
		For >50 To 75, Add	*27.89*	
		For >25 To 50, Add	*37.18*	
		For Up To 25, Add	*51.12*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*11.62*	
		For Bursting Ductile Iron Pipe, Add	*34.92*	

33 01 30 23-0039 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	22.97	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.59*	
		For >150 To 200, Add	*0.95*	
		For >100 To 150, Add	*1.91*	
		For >75 To 100, Add	*2.86*	
		For >50 To 75, Add	*3.82*	
		For >25 To 50, Add	*5.09*	
		For Up To 25, Add	*7.00*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.59*	
		For Bursting Ductile Iron Pipe, Add	*5.74*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	25.19	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*1.87*	
		For >150 To 200, Add	*1.12*	
		For >100 To 150, Add	*2.24*	
		For >75 To 100, Add	*3.36*	
		For >50 To 75, Add	*4.49*	
		For >25 To 50, Add	*5.98*	
		For Up To 25, Add	*8.22*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*1.87*	
		For Bursting Ductile Iron Pipe, Add	*6.47*	
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	27.75	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.19*	
		For >150 To 200, Add	*1.31*	
		For >100 To 150, Add	*2.63*	
		For >75 To 100, Add	*3.94*	
		For >50 To 75, Add	*5.25*	
		For >25 To 50, Add	*7.00*	
		For Up To 25, Add	*9.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.19*	
		For Bursting Ductile Iron Pipe, Add	*7.31*	
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	31.09	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.61*	
		For >150 To 200, Add	*1.56*	
		For >100 To 150, Add	*3.13*	
		For >75 To 100, Add	*4.69*	
		For >50 To 75, Add	*6.26*	
		For >25 To 50, Add	*8.34*	
		For Up To 25, Add	*11.47*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.61*	
		For Bursting Ductile Iron Pipe, Add	*8.42*	
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	34.92	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.09*	
		For >150 To 200, Add	*1.85*	
		For >100 To 150, Add	*3.70*	
		For >75 To 100, Add	*5.55*	
		For >50 To 75, Add	*7.40*	
		For >25 To 50, Add	*9.87*	
		For Up To 25, Add	*13.57*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.09*	
		For Bursting Ductile Iron Pipe, Add	*9.68*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	41.76	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.45*	
		For >150 To 200, Add	*2.07*	
		For >100 To 150, Add	*4.14*	
		For >75 To 100, Add	*6.21*	
		For >50 To 75, Add	*8.28*	
		For >25 To 50, Add	*11.04*	
		For Up To 25, Add	*15.19*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.45*	
		For Bursting Ductile Iron Pipe, Add	*11.23*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	46.01	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.98*	
		For >150 To 200, Add	*2.39*	
		For >100 To 150, Add	*4.78*	
		For >75 To 100, Add	*7.17*	
		For >50 To 75, Add	*9.56*	
		For >25 To 50, Add	*12.74*	
		For Up To 25, Add	*17.52*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.98*	
		For Bursting Ductile Iron Pipe, Add	*12.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	59.38	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.77*	
		For >150 To 200, Add	*2.86*	
		For >100 To 150, Add	*5.72*	
		For >75 To 100, Add	*8.58*	
		For >50 To 75, Add	*11.45*	
		For >25 To 50, Add	*15.26*	
		For Up To 25, Add	*20.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.77*	
		For Bursting Ductile Iron Pipe, Add	*15.77*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	75.45	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.78*	
		For >150 To 200, Add	*4.07*	
		For >100 To 150, Add	*8.13*	
		For >75 To 100, Add	*12.20*	
		For >50 To 75, Add	*16.27*	
		For >25 To 50, Add	*21.69*	
		For Up To 25, Add	*29.82*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.78*	
		For Bursting Ductile Iron Pipe, Add	*21.08*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	93.66	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.17*	
		For >150 To 200, Add	*4.90*	
		For >100 To 150, Add	*9.81*	
		For >75 To 100, Add	*14.71*	
		For >50 To 75, Add	*19.61*	
		For >25 To 50, Add	*26.15*	
		For Up To 25, Add	*35.95*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.17*	
		For Bursting Ductile Iron Pipe, Add	*25.82*	
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	111.54	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*10.41*	
		For >150 To 200, Add	*6.24*	
		For >100 To 150, Add	*12.49*	
		For >75 To 100, Add	*18.73*	
		For >50 To 75, Add	*24.98*	
		For >25 To 50, Add	*33.30*	
		For Up To 25, Add	*45.79*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*10.41*	
		For Bursting Ductile Iron Pipe, Add	*31.72*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*

Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	70.77	
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	81.20	
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	96.84	

33 01 30 23-0056 High-Density Polyethylene (HDPE) Pipe Lining, DR 17 *(33 01 30 23-0051)*

Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.

33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.79	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.52*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.42*	
		For White Interior Pipe, Add	*0.96*	
		For Gray Interior Pipe, Add	*0.73*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.31	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.79*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.15*	
		For White Interior Pipe, Add	*1.45*	
		For Gray Interior Pipe, Add	*1.10*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.21	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.13*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.07*	
		For White Interior Pipe, Add	*2.07*	
		For Gray Interior Pipe, Add	*1.57*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.22	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.31*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.55*	
		For White Interior Pipe, Add	*2.40*	
		For Gray Interior Pipe, Add	*1.82*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.91*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*5.19*	
		For White Interior Pipe, Add	*3.50*	
		For Gray Interior Pipe, Add	*2.65*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	17.50	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.97*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.06*	
		For White Interior Pipe, Add	*5.44*	
		For Gray Interior Pipe, Add	*4.12*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	24.24	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.18*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.34*	
		For White Interior Pipe, Add	*7.66*	
		For Gray Interior Pipe, Add	*5.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	26.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.59*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.48*	
		For White Interior Pipe, Add	*8.42*	
		For Gray Interior Pipe, Add	*6.38*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	29.08	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.04*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*13.68*	
		For White Interior Pipe, Add	*9.23*	
		For Gray Interior Pipe, Add	*7.00*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	37.70	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.58*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*17.86*	
		For White Interior Pipe, Add	*12.05*	
		For Gray Interior Pipe, Add	*9.13*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	47.51	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.33*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*22.63*	
		For White Interior Pipe, Add	*15.27*	
		For Gray Interior Pipe, Add	*11.57*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	58.43	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.28*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*27.92*	
		For White Interior Pipe, Add	*18.84*	
		For Gray Interior Pipe, Add	*14.28*	
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	70.53	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-12.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*33.79*	
		For White Interior Pipe, Add	*22.80*	
		For Gray Interior Pipe, Add	*17.27*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	83.80	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-14.81*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*40.22*	
		For White Interior Pipe, Add	*27.14*	
		For Gray Interior Pipe, Add	*20.56*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	98.15	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.36*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*47.17*	
		For White Interior Pipe, Add	*31.83*	
		For Gray Interior Pipe, Add	*24.12*	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	113.77	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.14*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*54.72*	
		For White Interior Pipe, Add	*36.93*	
		For Gray Interior Pipe, Add	*27.98*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	130.54	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.12*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*62.82*	
		For White Interior Pipe, Add	*42.40*	
		For Gray Interior Pipe, Add	*32.12*	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	148.46	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-26.30*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*71.46*	
		For White Interior Pipe, Add	*48.22*	
		For Gray Interior Pipe, Add	*36.53*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	182.98	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-32.46*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*88.18*	
		For White Interior Pipe, Add	*59.51*	
		For Gray Interior Pipe, Add	*45.08*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	188.07	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-33.29*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*90.45*	
		For White Interior Pipe, Add	*61.04*	
		For Gray Interior Pipe, Add	*46.24*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0031 for hauling, 31 05 16 00-0001 for back-fill material, 31 23 16 36-0016 for backfill, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	768.71	
		For No Excavation, Deduct	*-480.29*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	861.97	
		For No Excavation, Deduct	*-540.32*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	909.86	
		For No Excavation, Deduct	*-570.34*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	957.75	
		For No Excavation, Deduct	*-600.36*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,053.19	
		For No Excavation, Deduct	*-630.39*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	975.27	
		For No Excavation, Deduct	*-600.36*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,025.67	
		For No Excavation, Deduct	*-630.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,111.08	
		For No Excavation, Deduct	*-660.40*	
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,366.66	
		For No Excavation, Deduct	*-690.42*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,444.57	
		For No Excavation, Deduct	*-720.43*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,852.80	
		For No Excavation, Deduct	*-750.46*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0031 for hauling, 31 05 16 00-0001 for back-fill material, 31 23 16 36-0016 for backfill, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	1,995.56	
		For No Excavation, Deduct	*-536.04*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-75.89*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,249.22	
		For No Excavation, Deduct	*-557.48*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-52.85*	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,401.21	
		For No Excavation, Deduct	*-578.92*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*104.94*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,529.86	
		For No Excavation, Deduct	*-643.25*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*79.21*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	6,853.86	
		For No Excavation, Deduct	*-686.13*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*547.79*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	7,403.46	
		For No Excavation, Deduct	*-761.17*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*577.70*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	10,212.81	
		For No Excavation, Deduct	*-836.22*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*946.57*	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	9,527.20	
		For No Excavation, Deduct	*-943.43*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*768.68*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,615.40	
		For No Excavation, Deduct	*-1,114.96*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*961.84*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water. See CSI section 33 01 30 89-0001 for bypass pumping and piping.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Set-up And Reinsertion For Hydro Jet *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, cleanup after use and return.

33 01 30 41-0004	EA	Initial Set-up And Final Equipment Removal For Up To 8" Jet Cleaning	829.73
33 01 30 41-0005	EA	Initial Set-up And Final Equipment Removal For >8" To 12" Jet Cleaning	1,244.61
33 01 30 41-0006	EA	Initial Set-up And Final Equipment Removal For >12" To 30" Jet Cleaning	1,659.47
33 01 30 41-0007	EA	Initial Set-up And Final Equipment Removal For >30" Jet Cleaning	2,212.62
33 01 30 41-0008	EA	Move And Set-up At Different Access/Location For Up To 8" Jet Cleaning	207.43
33 01 30 41-0009	EA	Move And Set-up At Different Access/Location For >8" To 12" Jet Cleaning	311.15
33 01 30 41-0010	EA	Move And Set-up At Different Access/Location For >12" To 30" Jet Cleaning	414.87
33 01 30 41-0011	EA	Move And Set-up At Different Access/Location For >30" Jet Cleaning	518.59

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.23	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-0.56*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*1.67*	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.56	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.38*	
		For >2,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.64*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*1.92*	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.01	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.30*	
		For >1,000 To 2,000, Deduct	*-0.45*	
		For >2,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.75*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.71	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-0.93*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.78*	
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.22	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 2,000, Deduct	*-0.63*	
		For >2,000 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.06*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.17*	
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.87	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000 To 2,000, Deduct	*-0.73*	
		For >2,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.22*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.65*	
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.86	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.88*	
		For >2,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.47*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.40*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.65	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.66*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.99*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.85	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-1.96*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.89*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.88	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.48*	
		For >2,000 To 5,000, Deduct	*-1.98*	
		For >5,000, Deduct	*-2.47*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.41*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.53	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-2.31*	
		For >5,000, Deduct	*-2.88*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.65*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	0.72	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.11*	
		For >2,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.18*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	0.82	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.21*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	0.97	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.15*	
		For >2,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.24*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	1.11	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.11*	
		For >1,000 To 2,000, Deduct	*-0.17*	
		For >2,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	1.48	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.37*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	10.32	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.55*	
		For >2,000 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-2.58*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set-up And Final Equipment Removal For Mechanical Cleaning	665.43	
33 01 30 41-0034	EA	Move And Set-up At Different Access/Location For Mechanical Cleaning	221.81	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	4.02	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-0.93*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	5.39	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.19*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	6.34	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.83*	
		For >2,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.39*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	7.35	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000 To 2,000, Deduct	*-0.96*	
		For >2,000 To 5,000, Deduct	*-1.28*	
		For >5,000, Deduct	*-1.60*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	8.04	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000 To 2,000, Deduct	*-1.04*	
		For >2,000 To 5,000, Deduct	*-1.39*	
		For >5,000, Deduct	*-1.73*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	9.35	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.19*	
		For >2,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-1.98*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	12.02	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.47*	
		For >2,000 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-2.45*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	14.09	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000 To 5,000, Deduct	*-2.18*	
		For >5,000, Deduct	*-2.73*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	16.53	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-1.88*	
		For >2,000 To 5,000, Deduct	*-2.51*	
		For >5,000, Deduct	*-3.14*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	21.41	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 2,000, Deduct	*-2.50*	
		For >2,000 To 5,000, Deduct	*-3.33*	
		For >5,000, Deduct	*-4.16*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	24.84	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-4.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0046		**Pipe Line Auguring/Rod Out Pipe** *(33 01 30 41-0001)*		
33 01 30 41-0047	EA	Initial Set-up And Final Equipment Removal For Auguring	665.43	
33 01 30 41-0048	EA	Move And Set-up At Different Location For Auguring	221.81	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	2.21	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.55*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	2.87	
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 2,000, Deduct	*-0.43*	
		For >2,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.72*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	3.33	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 2,000, Deduct	*-0.50*	
		For >2,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.83*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	3.86	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 2,000, Deduct	*-0.58*	
		For >2,000 To 5,000, Deduct	*-0.77*	
		For >5,000, Deduct	*-0.97*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	4.16	
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 2,000, Deduct	*-0.62*	
		For >2,000 To 5,000, Deduct	*-0.83*	
		For >5,000, Deduct	*-1.04*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	4.75	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.71*	
		For >2,000 To 5,000, Deduct	*-0.95*	
		For >5,000, Deduct	*-1.19*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	5.84	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.88*	
		For >2,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.46*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	6.52	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.98*	
		For >2,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.63*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	7.56	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-1.89*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	10.40	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.56*	
		For >2,000 To 5,000, Deduct	*-2.08*	
		For >5,000, Deduct	*-2.60*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	11.09	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-2.22*	
		For >5,000, Deduct	*-2.77*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	32.18
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	64.37
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	12.87
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	14.16
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	16.09
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	18.67
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	21.89
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	25.75
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	30.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	34.76	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	40.56	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	48.27	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	160.93	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	444.22	
		For >10 To 100, Deduct	*-66.63*	
		For >100 To 250, Deduct	*-99.95*	
		For >250, Deduct	*-133.27*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	533.06	
		For >10 To 100, Deduct	*-79.96*	
		For >100 To 250, Deduct	*-119.94*	
		For >250, Deduct	*-159.92*	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	266.53	
		For >10 To 100, Deduct	*-39.98*	
		For >100 To 250, Deduct	*-59.97*	
		For >250, Deduct	*-79.96*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	233.05	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	215.82	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	198.59	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	181.36	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	164.12	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	146.89	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	437.42	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	481.17	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	524.90	

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	114.59	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	165.36	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	192.05	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	219.37	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	123.83	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	175.96	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	202.44	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	234.74	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	133.74	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	183.27	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	212.68	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	249.19	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	151.06	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	200.52	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	243.43	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	293.37	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	386.33	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	481.82	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	588.69	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	177.77	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	237.43	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	280.89	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	328.38	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	460.27	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	560.09	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	669.05	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	226.69	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	295.89	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	357.35	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	426.54	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	572.51	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	684.69	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	809.60	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	268.01	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	362.75	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	426.43	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	524.27	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	694.27	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	786.47	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,018.71	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	304.37	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	399.25	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	482.25	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	594.82	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	770.55	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	904.53	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,155.58	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	705.90	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,005.84	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,357.13	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,012.21	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	740.84	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,052.79	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,416.77	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,109.05	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	758.66	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,076.29	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,452.42	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,160.34	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	777.14	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,102.97	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,485.82	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,210.93	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	793.47	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,125.29	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,519.21	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,255.73	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	809.12	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,148.77	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,549.08	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,282.96	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	827.39	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,176.90	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,581.08	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,350.46	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Compression Couplings And Fittings For Copper Pipe *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	77.84
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	90.09
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	106.06
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	118.98
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	189.80

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	96.07
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	108.66
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	231.25
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	84.25
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	76.43
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	89.53
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	112.39

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	180.45
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	131.89
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	157.18
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	124.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0100		**Copper Compression Repair Fitting, Male Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	83.94	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	64.98	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	72.51	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	86.17	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	106.67	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	115.11	
33 01 30 51-0107		**Copper Compression Repair Fitting, Female Adapters** *(33 01 30 51-0080)*		
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	99.61	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	103.21	
33 01 30 51-0110		**Compression Couplings And Fittings For Steel Pipe, Cast Body** *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111		**Compression Couplings For Steel Pipe, Cast Body** *(33 01 30 51-0110)*		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring	67.01	
33 01 30 51-0113	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring	64.43	
33 01 30 51-0114	EA	1" Cast Body, Compression Coupling, 5" Middle Ring	71.67	
33 01 30 51-0115	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring	79.00	
33 01 30 51-0116	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring	97.23	
33 01 30 51-0117	EA	2" Cast Body, Compression Coupling, 5" Middle Ring	118.90	
33 01 30 51-0118	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	69.39	
33 01 30 51-0119	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	67.05	
33 01 30 51-0120	EA	1" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	72.06	
33 01 30 51-0121	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	80.22	
33 01 30 51-0122	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	101.22	
33 01 30 51-0123	EA	2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	120.66	
33 01 30 51-0124	EA	3/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	146.00	
33 01 30 51-0125	EA	1" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	170.88	
33 01 30 51-0126	EA	1-1/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	175.12	
33 01 30 51-0127	EA	1-1/2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	193.14	
33 01 30 51-0128	EA	2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	235.66	
33 01 30 51-0129		**Compression Reducing Couplings For Steel Pipe** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Compression Reducing Coupling	72.36	
33 01 30 51-0131	EA	1" x 3/4" Compression Reducing Coupling	74.25	
33 01 30 51-0132	EA	1-1/4" x 3/4" Compression Reducing Coupling	83.34	
33 01 30 51-0133	EA	1-1/4" x 1" Compression Reducing Coupling	87.72	
33 01 30 51-0134	EA	1-1/2" x 3/4" Compression Reducing Coupling	188.76	
33 01 30 51-0135	EA	1-1/2" x 1" Compression Reducing Coupling	104.03	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Compression Reducing Coupling	104.65	
33 01 30 51-0137	EA	2" x 3/4" Compression Reducing Coupling	225.23	
33 01 30 51-0138	EA	2" x 1" Compression Reducing Coupling	200.89	
33 01 30 51-0139	EA	2" x 1-1/4" Compression Reducing Coupling	142.97	
33 01 30 51-0140	EA	2" x 1-1/2" Compression Reducing Coupling	142.33	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" Compression 45 Degree Elbow	130.12	
33 01 30 51-0143	EA	1-1/4" Compression 45 Degree Elbow	132.99	
33 01 30 51-0144	EA	1-1/2" Compression 45 Degree Elbow	173.02	
33 01 30 51-0145	EA	2" Compression 45 Degree Elbow	220.68	
33 01 30 51-0146	EA	3/4" Compression 90 Degree Elbow	82.46	
33 01 30 51-0147	EA	1" Compression 90 Degree Elbow	82.70	
33 01 30 51-0148	EA	1-1/4" Compression 90 Degree Elbow	97.57	
33 01 30 51-0149	EA	1-1/2" Compression 90 Degree Elbow	144.30	
33 01 30 51-0150	EA	2" Compression 90 Degree Elbow	154.28	
33 01 30 51-0151	EA	3/4" Plain End Compression 90 Degree Street Elbow	82.79	
33 01 30 51-0152	EA	1" Plain End Compression 90 Degree Street Elbow	66.91	
33 01 30 51-0153	EA	1-1/4" Plain End Compression 90 Degree Street Elbow	75.24	
33 01 30 51-0154	EA	1-1/2" Plain End Compression 90 Degree Street Elbow	95.60	
33 01 30 51-0155	EA	2" Plain End Compression 90 Degree Street Elbow	126.73	
33 01 30 51-0156	EA	3/4" Threaded End Compression 90 Degree Street Elbow	86.22	
33 01 30 51-0157	EA	1" Threaded End Compression 90 Degree Street Elbow	73.34	
33 01 30 51-0158	EA	1-1/4" Threaded End Compression 90 Degree Street Elbow	99.10	
33 01 30 51-0159	EA	1-1/2" Threaded End Compression 90 Degree Street Elbow	118.37	
33 01 30 51-0160	EA	2" Threaded End Compression 90 Degree Street Elbow	175.43	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Compression Street Tee	82.28	
33 01 30 51-0163	EA	1" Compression Street Tee	97.18	
33 01 30 51-0164	EA	1-1/4" Compression Street Tee	93.34	
33 01 30 51-0165	EA	1-1/2" Compression Street Tee	103.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0166	EA	2" Compression Street Tee	173.45	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Compression Reducing Street Tee	92.10	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Compression Reducing Street Tee	98.32	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Compression Reducing Street Tee	123.25	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Compression Reducing Street Tee	151.35	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Compression Reducing Street Tee	152.59	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Compression Reducing Street Tee	120.60	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Compression Reducing Street Tee	167.38	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Compression Reducing Street Tee	198.60	
33 01 30 51-0175	EA	3/4" Welding Compression Street Tee	175.94	
33 01 30 51-0176	EA	1" Welding Compression Street Tee	171.32	
33 01 30 51-0177	EA	1-1/4" Welding Compression Street Tee	181.20	
33 01 30 51-0178	EA	1-1/2" Welding Compression Street Tee	216.14	
33 01 30 51-0179	EA	2" Welding Compression Street Tee	298.81	
33 01 30 51-0180	EA	3/4" Regular Compression Tee	121.46	
33 01 30 51-0181	EA	1" Regular Compression Tee	230.76	
33 01 30 51-0182	EA	1-1/4" Regular Compression Tee	240.52	
33 01 30 51-0183	EA	1-1/2" Regular Compression Tee	250.94	
33 01 30 51-0184	EA	2" Regular Compression Tee	273.52	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Compression Reducing Tee	268.52	

33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Compression Male Adapter	82.17	
33 01 30 51-0188	EA	1" Compression Male Adapter	90.49	
33 01 30 51-0189	EA	1-1/4" Compression Male Adapter	121.91	
33 01 30 51-0190	EA	1-1/2" Compression Male Adapter	134.32	
33 01 30 51-0191	EA	2" Compression Male Adapter	149.05	
33 01 30 51-0192	EA	1" x 1-1/4" Compression Male Adapter	121.11	

33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0110)*

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Compression Line Caps	44.92	
33 01 30 51-0195	EA	1" Compression Line Caps	52.27	
33 01 30 51-0196	EA	1-1/4" Compression Line Caps	59.78	
33 01 30 51-0197	EA	1-1/2" Compression Line Caps	69.32	
33 01 30 51-0198	EA	2" Compression Line Caps	86.22	

33 01 30 51-0199 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	62.26	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	75.18	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	83.80	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	96.55	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	119.61	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	174.49	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	160.83	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	203.84	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	212.10	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	220.37	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	228.80	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	242.83	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	260.41	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	304.08	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	309.62	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	329.79	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	316.10	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	331.08	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	350.22	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	367.67	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	389.82	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	408.00	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	467.93	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	572.48	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	532.64	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	754.26	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	882.66	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,076.47	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,188.22	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,283.44	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,655.52	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,738.34	

33 01 30 51-0232 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	64.63	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	74.85	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	83.66	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	95.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	151.14	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	146.80	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	148.97	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	220.37	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	228.63	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	236.90	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	251.32	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	236.76	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	244.42	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	333.09	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	337.14	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	524.61	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	324.97	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	346.48	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	354.78	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	415.75	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	423.91	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	437.07	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	487.76	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	593.14	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	553.31	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	774.47	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	903.33	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,107.46	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,229.55	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,324.77	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,696.84	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,779.66	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	79.32	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	89.81	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	101.20	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	118.24	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	151.14	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	188.04	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	200.31	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	220.37	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	228.63	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	236.90	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	251.32	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	280.79	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	291.98	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	333.09	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	337.14	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	384.46	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	324.97	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	346.48	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	354.78	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	415.75	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	423.91	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	437.07	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	487.76	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	593.14	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	553.31	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	774.47	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	903.33	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,076.47	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,229.55	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,324.77	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,696.84	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,779.66	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	141.65	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	148.60	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	147.15	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	238.54	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	261.14	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	272.65	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	300.02	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	297.42	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	322.11	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	333.31	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	465.45	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	480.31	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	486.69	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	496.54	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	486.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	634.51	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	694.82	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	693.53	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	693.33	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	905.25	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	950.67	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,110.85	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,427.35	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,370.04	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,537.58	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,669.98	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,820.98	
33 01 30 51-0326		Grind Offset Joint *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	262.45	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	349.93	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	437.42	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	524.90	
33 01 30 51-0331		Pipe Plugging *(33 01 30 51-0001)*		
33 01 30 51-0332		Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	40.64	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	43.60	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	47.65	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	51.26	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	54.65	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	58.69	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	64.36	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	71.03	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	76.81	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	85.45	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	95.05	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	110.01	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	133.27	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	157.76	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	189.69	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	228.07	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	274.72	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	318.61	
33 01 30 51-0351		Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,421.51	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,041.05	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	3,745.46	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	4,418.62	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	4,851.25	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	5,433.60	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	5,866.26	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	6,448.58	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	7,030.92	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	7,683.99	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	8,761.53	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	10,051.24	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	12,331.25	
33 01 30 51-0365		Aluminum Expansion Plugs *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	73.58	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	109.57	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	123.89	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	193.10	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	197.93	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	249.95	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	342.26	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	561.10	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	608.50	
33 01 30 51-0375		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	260.71	
33 01 30 51-0377	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	293.55	
33 01 30 63		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0002	EA	4" To 8", Joint Air Test	61.87	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	72.18	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	82.49	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	103.11	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	123.73	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	144.36	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)*		
		Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest	203.12	
		Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest	223.74	
		Note: Includes 1 gallon of grout.		
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest	282.51	
		Note: Includes 2 gallons of grout.		
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest	322.21	
		Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest	361.90	
		Note: Includes 3 gallons of grout.		
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest	431.75	
		Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest	501.61	
		Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest	571.46	
		Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest	661.94	
		Note: Includes 6 gallons of grout.		
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest	752.41	
		Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest	863.51	
		Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest	1,003.22	
		Note: Includes 9 gallons of grout.		
33 01 30 63-0021	GAL	Extra Grout Per Joint	120.63	
		Note: For extra grout per joint required over listed amount.		
33 01 30 70		**Rehabilitation of Sewer Utilities** *(33 01 30)*		
33 01 30 70-0001		Cementitious Pipe Coatings By Hand *(33 01 30 70)*		
		Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	7.52	
33 01 30 70-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	12.37	
33 01 30 71		**Relining Sewers** *(33 01 30)*		
33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)*		
		Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Polyvinyl Chloride (PVC) Liner Pipe *(33 01 30 71-0001)*		
		Note: Sanitary and storm sewer trenchless slip-lining.		
33 01 30 71-0003	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	28.41	
33 01 30 71-0004	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	43.66	
33 01 30 71-0005	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	59.03	
33 01 30 71-0006	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	73.49	
33 01 30 71-0007	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	97.65	
33 01 30 71-0008	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	117.71	
33 01 30 71-0009	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	135.03	
33 01 30 71-0010	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	195.95	
33 01 30 71-0011		Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0012		Mobilization And Set-up For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0011)*		
33 01 30 71-0013	EA	Initial Set-up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	965.72	
33 01 30 71-0014		Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0011)*		
		Note: Two part structural polyurethane.		
33 01 30 71-0015	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	51.94	
		For Up To 75, Add	*10.91*	
		For >75 To 150, Add	*5.19*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000 To 5,000, Deduct	*-3.74*	
		For >5,000, Deduct	*-5.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0016	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	60.60	
		For Up To 75, Add	*12.73*	
		For >75 To 150, Add	*6.06*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,000, Deduct	*-2.85*	
		For >2,000 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-6.67*	
33 01 30 71-0017	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	69.25	
		For Up To 75, Add	*14.54*	
		For >75 To 150, Add	*6.93*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 2,000, Deduct	*-3.26*	
		For >2,000 To 5,000, Deduct	*-4.99*	
		For >5,000, Deduct	*-7.62*	
33 01 30 71-0018	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	77.90	
		For Up To 75, Add	*16.36*	
		For >75 To 150, Add	*7.79*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000 To 2,000, Deduct	*-3.66*	
		For >2,000 To 5,000, Deduct	*-5.61*	
		For >5,000, Deduct	*-8.57*	
33 01 30 71-0019	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	86.56	
		For Up To 75, Add	*18.18*	
		For >75 To 150, Add	*8.66*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000 To 2,000, Deduct	*-4.07*	
		For >2,000 To 5,000, Deduct	*-6.24*	
		For >5,000, Deduct	*-9.52*	
33 01 30 71-0020	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	95.21	
		For Up To 75, Add	*20.00*	
		For >75 To 150, Add	*9.52*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000 To 2,000, Deduct	*-4.48*	
		For >2,000 To 5,000, Deduct	*-6.86*	
		For >5,000, Deduct	*-10.48*	
33 01 30 71-0021	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	103.87	
		For Up To 75, Add	*21.82*	
		For >75 To 150, Add	*10.39*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,000, Deduct	*-4.88*	
		For >2,000 To 5,000, Deduct	*-7.48*	
		For >5,000, Deduct	*-11.43*	
33 01 30 71-0022	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.53	
		For Up To 75, Add	*23.63*	
		For >75 To 150, Add	*11.25*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000 To 2,000, Deduct	*-5.29*	
		For >2,000 To 5,000, Deduct	*-8.11*	
		For >5,000, Deduct	*-12.38*	
33 01 30 71-0023	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	121.19	
		For Up To 75, Add	*25.45*	
		For >75 To 150, Add	*12.12*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000 To 2,000, Deduct	*-5.70*	
		For >2,000 To 5,000, Deduct	*-8.73*	
		For >5,000, Deduct	*-13.33*	
33 01 30 71-0024	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	129.84	
		For Up To 75, Add	*27.27*	
		For >75 To 150, Add	*12.98*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000 To 2,000, Deduct	*-6.11*	
		For >2,000 To 5,000, Deduct	*-9.35*	
		For >5,000, Deduct	*-14.29*	
33 01 30 71-0025	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	138.50	
		For Up To 75, Add	*29.09*	
		For >75 To 150, Add	*13.85*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000 To 2,000, Deduct	*-6.51*	
		For >2,000 To 5,000, Deduct	*-9.98*	
		For >5,000, Deduct	*-15.24*	
33 01 30 71-0026	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	147.16	
		For Up To 75, Add	*30.91*	
		For >75 To 150, Add	*14.72*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,000, Deduct	*-6.92*	
		For >2,000 To 5,000, Deduct	*-10.60*	
		For >5,000, Deduct	*-16.19*	
33 01 30 71-0027	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	155.81	
		For Up To 75, Add	*32.72*	
		For >75 To 150, Add	*15.58*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000 To 2,000, Deduct	*-7.33*	
		For >2,000 To 5,000, Deduct	*-11.22*	
		For >5,000, Deduct	*-17.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	164.47	
		For Up To 75, Add	*34.54*	
		For >75 To 150, Add	*16.45*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000 To 2,000, Deduct	*-7.73*	
		For >2,000 To 5,000, Deduct	*-11.85*	
		For >5,000, Deduct	*-18.10*	
33 01 30 71-0029	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	173.12	
		For Up To 75, Add	*36.36*	
		For >75 To 150, Add	*17.31*	
		For >500 To 1,000, Deduct	*-4.16*	
		For >1,000 To 2,000, Deduct	*-8.14*	
		For >2,000 To 5,000, Deduct	*-12.47*	
		For >5,000, Deduct	*-19.05*	
33 01 30 71-0030	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	5.51	

33 01 30 71-0031 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0032	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	73.29	
		For Up To 75, Add	*15.21*	
		For >75 To 150, Add	*7.33*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-3.32*	
		For >2,000 To 5,000, Deduct	*-5.06*	
		For >5,000, Deduct	*-7.88*	
33 01 30 71-0033	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	85.49	
		For Up To 75, Add	*17.74*	
		For >75 To 150, Add	*8.55*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000 To 2,000, Deduct	*-3.87*	
		For >2,000 To 5,000, Deduct	*-5.90*	
		For >5,000, Deduct	*-9.19*	
33 01 30 71-0034	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	97.71	
		For Up To 75, Add	*20.27*	
		For >75 To 150, Add	*9.77*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000 To 2,000, Deduct	*-4.42*	
		For >2,000 To 5,000, Deduct	*-6.74*	
		For >5,000, Deduct	*-10.50*	
33 01 30 71-0035	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	109.93	
		For Up To 75, Add	*22.81*	
		For >75 To 150, Add	*10.99*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000 To 2,000, Deduct	*-4.97*	
		For >2,000 To 5,000, Deduct	*-7.58*	
		For >5,000, Deduct	*-11.82*	
33 01 30 71-0036	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	122.14	
		For Up To 75, Add	*25.34*	
		For >75 To 150, Add	*12.21*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000 To 2,000, Deduct	*-5.53*	
		For >2,000 To 5,000, Deduct	*-8.43*	
		For >5,000, Deduct	*-13.13*	
33 01 30 71-0037	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	134.36	
		For Up To 75, Add	*27.88*	
		For >75 To 150, Add	*13.44*	
		For >500 To 1,000, Deduct	*-3.09*	
		For >1,000 To 2,000, Deduct	*-6.08*	
		For >2,000 To 5,000, Deduct	*-9.27*	
		For >5,000, Deduct	*-14.44*	
33 01 30 71-0038	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	146.57	
		For Up To 75, Add	*30.41*	
		For >75 To 150, Add	*14.66*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000 To 2,000, Deduct	*-6.63*	
		For >2,000 To 5,000, Deduct	*-10.11*	
		For >5,000, Deduct	*-15.75*	
33 01 30 71-0039	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	158.78	
		For Up To 75, Add	*32.94*	
		For >75 To 150, Add	*15.88*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000 To 2,000, Deduct	*-7.18*	
		For >2,000 To 5,000, Deduct	*-10.95*	
		For >5,000, Deduct	*-17.07*	
33 01 30 71-0040	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	171.00	
		For Up To 75, Add	*35.48*	
		For >75 To 150, Add	*17.10*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000 To 2,000, Deduct	*-7.74*	
		For >2,000 To 5,000, Deduct	*-11.80*	
		For >5,000, Deduct	*-18.38*	
33 01 30 71-0041	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	183.21	
		For Up To 75, Add	*38.01*	
		For >75 To 150, Add	*18.32*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000 To 2,000, Deduct	*-8.29*	
		For >2,000 To 5,000, Deduct	*-12.64*	
		For >5,000, Deduct	*-19.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	195.43	
		For Up To 75, Add	*40.55*	
		For >75 To 150, Add	*19.54*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000 To 2,000, Deduct	*-8.84*	
		For >2,000 To 5,000, Deduct	*-13.48*	
		For >5,000, Deduct	*-21.01*	
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	207.63	
		For Up To 75, Add	*43.08*	
		For >75 To 150, Add	*20.76*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000 To 2,000, Deduct	*-9.39*	
		For >2,000 To 5,000, Deduct	*-14.32*	
		For >5,000, Deduct	*-22.32*	
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	219.84	
		For Up To 75, Add	*45.61*	
		For >75 To 150, Add	*21.98*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000 To 2,000, Deduct	*-9.94*	
		For >2,000 To 5,000, Deduct	*-15.16*	
		For >5,000, Deduct	*-23.63*	
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	232.06	
		For Up To 75, Add	*48.15*	
		For >75 To 150, Add	*23.21*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000 To 2,000, Deduct	*-10.50*	
		For >2,000 To 5,000, Deduct	*-16.01*	
		For >5,000, Deduct	*-24.94*	
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	244.27	
		For Up To 75, Add	*50.68*	
		For >75 To 150, Add	*24.43*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000 To 2,000, Deduct	*-11.05*	
		For >2,000 To 5,000, Deduct	*-16.85*	
		For >5,000, Deduct	*-26.25*	
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	7.78	

33 01 30 71-0048 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	94.58	
		For Up To 75, Add	*19.49*	
		For >75 To 150, Add	*9.46*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 2,000, Deduct	*-4.19*	
		For >2,000 To 5,000, Deduct	*-6.37*	
		For >5,000, Deduct	*-10.04*	
33 01 30 71-0050	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	110.35	
		For Up To 75, Add	*22.74*	
		For >75 To 150, Add	*11.04*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000 To 2,000, Deduct	*-4.89*	
		For >2,000 To 5,000, Deduct	*-7.43*	
		For >5,000, Deduct	*-11.71*	
33 01 30 71-0051	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	126.11	
		For Up To 75, Add	*25.99*	
		For >75 To 150, Add	*12.61*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000 To 2,000, Deduct	*-5.58*	
		For >2,000 To 5,000, Deduct	*-8.49*	
		For >5,000, Deduct	*-13.38*	
33 01 30 71-0052	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	141.88	
		For Up To 75, Add	*29.24*	
		For >75 To 150, Add	*14.19*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000 To 2,000, Deduct	*-6.28*	
		For >2,000 To 5,000, Deduct	*-9.55*	
		For >5,000, Deduct	*-15.05*	
33 01 30 71-0053	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	157.64	
		For Up To 75, Add	*32.49*	
		For >75 To 150, Add	*15.76*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000 To 2,000, Deduct	*-6.98*	
		For >2,000 To 5,000, Deduct	*-10.61*	
		For >5,000, Deduct	*-16.73*	
33 01 30 71-0054	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	173.39	
		For Up To 75, Add	*35.74*	
		For >75 To 150, Add	*17.34*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000 To 2,000, Deduct	*-7.68*	
		For >2,000 To 5,000, Deduct	*-11.67*	
		For >5,000, Deduct	*-18.40*	
33 01 30 71-0055	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	189.16	
		For Up To 75, Add	*38.99*	
		For >75 To 150, Add	*18.92*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000 To 2,000, Deduct	*-8.37*	
		For >2,000 To 5,000, Deduct	*-12.73*	
		For >5,000, Deduct	*-20.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0056	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	204.93	
		For Up To 75, Add	*42.24*	
		For >75 To 150, Add	*20.49*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000 To 2,000, Deduct	*-9.07*	
		For >2,000 To 5,000, Deduct	*-13.80*	
		For >5,000, Deduct	*-21.74*	
33 01 30 71-0057	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	220.68	
		For Up To 75, Add	*45.48*	
		For >75 To 150, Add	*22.07*	
		For >500 To 1,000, Deduct	*-4.95*	
		For >1,000 To 2,000, Deduct	*-9.77*	
		For >2,000 To 5,000, Deduct	*-14.86*	
		For >5,000, Deduct	*-23.41*	
33 01 30 71-0058	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	236.45	
		For Up To 75, Add	*48.73*	
		For >75 To 150, Add	*23.65*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000 To 2,000, Deduct	*-10.47*	
		For >2,000 To 5,000, Deduct	*-15.92*	
		For >5,000, Deduct	*-25.09*	
33 01 30 71-0059	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	252.21	
		For Up To 75, Add	*51.98*	
		For >75 To 150, Add	*25.22*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000 To 2,000, Deduct	*-11.17*	
		For >2,000 To 5,000, Deduct	*-16.98*	
		For >5,000, Deduct	*-26.76*	
33 01 30 71-0060	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	267.98	
		For Up To 75, Add	*55.23*	
		For >75 To 150, Add	*26.80*	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,000, Deduct	*-11.86*	
		For >2,000 To 5,000, Deduct	*-18.04*	
		For >5,000, Deduct	*-28.43*	
33 01 30 71-0061	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	283.74	
		For Up To 75, Add	*58.48*	
		For >75 To 150, Add	*28.37*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.56*	
		For >2,000 To 5,000, Deduct	*-19.10*	
		For >5,000, Deduct	*-30.11*	
33 01 30 71-0062	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	299.50	
		For Up To 75, Add	*61.73*	
		For >75 To 150, Add	*29.95*	
		For >500 To 1,000, Deduct	*-6.72*	
		For >1,000 To 2,000, Deduct	*-13.26*	
		For >2,000 To 5,000, Deduct	*-20.16*	
		For >5,000, Deduct	*-31.78*	
33 01 30 71-0063	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	315.26	
		For Up To 75, Add	*64.98*	
		For >75 To 150, Add	*31.53*	
		For >500 To 1,000, Deduct	*-7.07*	
		For >1,000 To 2,000, Deduct	*-13.96*	
		For >2,000 To 5,000, Deduct	*-21.22*	
		For >5,000, Deduct	*-33.45*	
33 01 30 71-0064	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	10.03	

33 01 30 71-0065 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0066	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	115.95	
		For Up To 75, Add	*23.80*	
		For >75 To 150, Add	*11.60*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-5.06*	
		For >2,000 To 5,000, Deduct	*-7.69*	
		For >5,000, Deduct	*-12.20*	
33 01 30 71-0067	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	135.28	
		For Up To 75, Add	*27.77*	
		For >75 To 150, Add	*13.53*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000 To 2,000, Deduct	*-5.91*	
		For >2,000 To 5,000, Deduct	*-8.97*	
		For >5,000, Deduct	*-14.24*	
33 01 30 71-0068	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	154.60	
		For Up To 75, Add	*31.73*	
		For >75 To 150, Add	*15.46*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000 To 2,000, Deduct	*-6.75*	
		For >2,000 To 5,000, Deduct	*-10.25*	
		For >5,000, Deduct	*-16.27*	
33 01 30 71-0069	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	173.92	
		For Up To 75, Add	*35.70*	
		For >75 To 150, Add	*17.39*	
		For >500 To 1,000, Deduct	*-3.84*	
		For >1,000 To 2,000, Deduct	*-7.59*	
		For >2,000 To 5,000, Deduct	*-11.53*	
		For >5,000, Deduct	*-18.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	193.25	
		For Up To 75, Add	*39.66*	
		For >75 To 150, Add	*19.33*	
		For >500 To 1,000, Deduct	*-4.27*	
		For >1,000 To 2,000, Deduct	*-8.44*	
		For >2,000 To 5,000, Deduct	*-12.81*	
		For >5,000, Deduct	*-20.34*	
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	212.57	
		For Up To 75, Add	*43.63*	
		For >75 To 150, Add	*21.26*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000 To 2,000, Deduct	*-9.28*	
		For >2,000 To 5,000, Deduct	*-14.09*	
		For >5,000, Deduct	*-22.37*	
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	231.90	
		For Up To 75, Add	*47.60*	
		For >75 To 150, Add	*23.19*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000 To 2,000, Deduct	*-10.13*	
		For >2,000 To 5,000, Deduct	*-15.37*	
		For >5,000, Deduct	*-24.41*	
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	251.21	
		For Up To 75, Add	*51.56*	
		For >75 To 150, Add	*25.12*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000 To 2,000, Deduct	*-10.97*	
		For >2,000 To 5,000, Deduct	*-16.65*	
		For >5,000, Deduct	*-26.44*	
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	270.54	
		For Up To 75, Add	*55.53*	
		For >75 To 150, Add	*27.05*	
		For >500 To 1,000, Deduct	*-5.98*	
		For >1,000 To 2,000, Deduct	*-11.81*	
		For >2,000 To 5,000, Deduct	*-17.93*	
		For >5,000, Deduct	*-28.47*	
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	289.87	
		For Up To 75, Add	*59.49*	
		For >75 To 150, Add	*28.99*	
		For >500 To 1,000, Deduct	*-6.41*	
		For >1,000 To 2,000, Deduct	*-12.66*	
		For >2,000 To 5,000, Deduct	*-19.22*	
		For >5,000, Deduct	*-30.51*	
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	309.19	
		For Up To 75, Add	*63.46*	
		For >75 To 150, Add	*30.92*	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000 To 2,000, Deduct	*-13.50*	
		For >2,000 To 5,000, Deduct	*-20.50*	
		For >5,000, Deduct	*-32.54*	
33 01 30 71-0077	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	328.52	
		For Up To 75, Add	*67.43*	
		For >75 To 150, Add	*32.85*	
		For >500 To 1,000, Deduct	*-7.26*	
		For >1,000 To 2,000, Deduct	*-14.35*	
		For >2,000 To 5,000, Deduct	*-21.78*	
		For >5,000, Deduct	*-34.57*	
33 01 30 71-0078	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	347.84	
		For Up To 75, Add	*71.39*	
		For >75 To 150, Add	*34.78*	
		For >500 To 1,000, Deduct	*-7.69*	
		For >1,000 To 2,000, Deduct	*-15.19*	
		For >2,000 To 5,000, Deduct	*-23.06*	
		For >5,000, Deduct	*-36.61*	
33 01 30 71-0079	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	367.16	
		For Up To 75, Add	*75.36*	
		For >75 To 150, Add	*36.72*	
		For >500 To 1,000, Deduct	*-8.11*	
		For >1,000 To 2,000, Deduct	*-16.03*	
		For >2,000 To 5,000, Deduct	*-24.34*	
		For >5,000, Deduct	*-38.64*	
33 01 30 71-0080	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	386.49	
		For Up To 75, Add	*79.32*	
		For >75 To 150, Add	*38.65*	
		For >500 To 1,000, Deduct	*-8.54*	
		For >1,000 To 2,000, Deduct	*-16.88*	
		For >2,000 To 5,000, Deduct	*-25.62*	
		For >5,000, Deduct	*-40.67*	
33 01 30 71-0081	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	12.30	

33 01 30 71-0082 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0083	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	137.42	
		For Up To 75, Add	*28.12*	
		For >75 To 150, Add	*13.74*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000 To 2,000, Deduct	*-5.94*	
		For >2,000 To 5,000, Deduct	*-9.01*	
		For >5,000, Deduct	*-14.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0084	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	160.34	
		For Up To 75, Add	*32.81*	
		For >75 To 150, Add	*16.03*	
		For >500 To 1,000, Deduct	*-3.51*	
		For >1,000 To 2,000, Deduct	*-6.94*	
		For >2,000 To 5,000, Deduct	*-10.52*	
		For >5,000, Deduct	*-16.78*	
33 01 30 71-0085	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	183.23	
		For Up To 75, Add	*37.50*	
		For >75 To 150, Add	*18.32*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000 To 2,000, Deduct	*-7.93*	
		For >2,000 To 5,000, Deduct	*-12.02*	
		For >5,000, Deduct	*-19.18*	
33 01 30 71-0086	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	206.13	
		For Up To 75, Add	*42.19*	
		For >75 To 150, Add	*20.61*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000 To 2,000, Deduct	*-8.92*	
		For >2,000 To 5,000, Deduct	*-13.52*	
		For >5,000, Deduct	*-21.57*	
33 01 30 71-0087	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	229.04	
		For Up To 75, Add	*46.87*	
		For >75 To 150, Add	*22.90*	
		For >500 To 1,000, Deduct	*-5.01*	
		For >1,000 To 2,000, Deduct	*-9.91*	
		For >2,000 To 5,000, Deduct	*-15.02*	
		For >5,000, Deduct	*-23.97*	
33 01 30 71-0088	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	251.95	
		For Up To 75, Add	*51.56*	
		For >75 To 150, Add	*25.20*	
		For >500 To 1,000, Deduct	*-5.51*	
		For >1,000 To 2,000, Deduct	*-10.90*	
		For >2,000 To 5,000, Deduct	*-16.52*	
		For >5,000, Deduct	*-26.37*	
33 01 30 71-0089	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	274.84	
		For Up To 75, Add	*56.25*	
		For >75 To 150, Add	*27.48*	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,000, Deduct	*-11.89*	
		For >2,000 To 5,000, Deduct	*-18.02*	
		For >5,000, Deduct	*-28.76*	
33 01 30 71-0090	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	297.75	
		For Up To 75, Add	*60.94*	
		For >75 To 150, Add	*29.78*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000 To 2,000, Deduct	*-12.88*	
		For >2,000 To 5,000, Deduct	*-19.53*	
		For >5,000, Deduct	*-31.16*	
33 01 30 71-0091	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	320.65	
		For Up To 75, Add	*65.62*	
		For >75 To 150, Add	*32.07*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000 To 2,000, Deduct	*-13.87*	
		For >2,000 To 5,000, Deduct	*-21.03*	
		For >5,000, Deduct	*-33.56*	
33 01 30 71-0092	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.57	
		For Up To 75, Add	*70.31*	
		For >75 To 150, Add	*34.36*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000 To 2,000, Deduct	*-14.86*	
		For >2,000 To 5,000, Deduct	*-22.53*	
		For >5,000, Deduct	*-35.96*	
33 01 30 71-0093	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	366.47	
		For Up To 75, Add	*75.00*	
		For >75 To 150, Add	*36.65*	
		For >500 To 1,000, Deduct	*-8.01*	
		For >1,000 To 2,000, Deduct	*-15.85*	
		For >2,000 To 5,000, Deduct	*-24.03*	
		For >5,000, Deduct	*-38.35*	
33 01 30 71-0094	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	389.36	
		For Up To 75, Add	*79.68*	
		For >75 To 150, Add	*38.94*	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000 To 2,000, Deduct	*-16.84*	
		For >2,000 To 5,000, Deduct	*-25.54*	
		For >5,000, Deduct	*-40.75*	
33 01 30 71-0095	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	412.27	
		For Up To 75, Add	*84.37*	
		For >75 To 150, Add	*41.23*	
		For >500 To 1,000, Deduct	*-9.01*	
		For >1,000 To 2,000, Deduct	*-17.83*	
		For >2,000 To 5,000, Deduct	*-27.04*	
		For >5,000, Deduct	*-43.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0096	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	435.18	
		For Up To 75, Add	*89.06*	
		For >75 To 150, Add	*43.52*	
		For >500 To 1,000, Deduct	*-9.51*	
		For >1,000 To 2,000, Deduct	*-18.82*	
		For >2,000 To 5,000, Deduct	*-28.54*	
		For >5,000, Deduct	*-45.54*	
33 01 30 71-0097	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	458.08	
		For Up To 75, Add	*93.75*	
		For >75 To 150, Add	*45.81*	
		For >500 To 1,000, Deduct	*-10.01*	
		For >1,000 To 2,000, Deduct	*-19.82*	
		For >2,000 To 5,000, Deduct	*-30.04*	
		For >5,000, Deduct	*-47.94*	
33 01 30 71-0098	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	14.58	

33 01 30 71-0099 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0100	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	180.29	
		For Up To 75, Add	*36.77*	
		For >75 To 150, Add	*18.03*	
		For >500 To 1,000, Deduct	*-3.89*	
		For >1,000 To 2,000, Deduct	*-7.71*	
		For >2,000 To 5,000, Deduct	*-11.67*	
		For >5,000, Deduct	*-18.74*	
33 01 30 71-0101	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	210.33	
		For Up To 75, Add	*42.90*	
		For >75 To 150, Add	*21.03*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000 To 2,000, Deduct	*-8.99*	
		For >2,000 To 5,000, Deduct	*-13.61*	
		For >5,000, Deduct	*-21.86*	
33 01 30 71-0102	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	240.38	
		For Up To 75, Add	*49.02*	
		For >75 To 150, Add	*24.04*	
		For >500 To 1,000, Deduct	*-5.19*	
		For >1,000 To 2,000, Deduct	*-10.28*	
		For >2,000 To 5,000, Deduct	*-15.56*	
		For >5,000, Deduct	*-24.99*	
33 01 30 71-0103	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	270.43	
		For Up To 75, Add	*55.15*	
		For >75 To 150, Add	*27.04*	
		For >500 To 1,000, Deduct	*-5.84*	
		For >1,000 To 2,000, Deduct	*-11.56*	
		For >2,000 To 5,000, Deduct	*-17.51*	
		For >5,000, Deduct	*-28.11*	
33 01 30 71-0104	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	300.48	
		For Up To 75, Add	*61.28*	
		For >75 To 150, Add	*30.05*	
		For >500 To 1,000, Deduct	*-6.48*	
		For >1,000 To 2,000, Deduct	*-12.85*	
		For >2,000 To 5,000, Deduct	*-19.45*	
		For >5,000, Deduct	*-31.23*	
33 01 30 71-0105	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	330.53	
		For Up To 75, Add	*67.41*	
		For >75 To 150, Add	*33.05*	
		For >500 To 1,000, Deduct	*-7.13*	
		For >1,000 To 2,000, Deduct	*-14.13*	
		For >2,000 To 5,000, Deduct	*-21.40*	
		For >5,000, Deduct	*-34.36*	
33 01 30 71-0106	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	360.57	
		For Up To 75, Add	*73.54*	
		For >75 To 150, Add	*36.06*	
		For >500 To 1,000, Deduct	*-7.78*	
		For >1,000 To 2,000, Deduct	*-15.42*	
		For >2,000 To 5,000, Deduct	*-23.34*	
		For >5,000, Deduct	*-37.48*	
33 01 30 71-0107	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	390.62	
		For Up To 75, Add	*79.66*	
		For >75 To 150, Add	*39.06*	
		For >500 To 1,000, Deduct	*-8.43*	
		For >1,000 To 2,000, Deduct	*-16.70*	
		For >2,000 To 5,000, Deduct	*-25.28*	
		For >5,000, Deduct	*-40.60*	
33 01 30 71-0108	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	420.67	
		For Up To 75, Add	*85.79*	
		For >75 To 150, Add	*42.07*	
		For >500 To 1,000, Deduct	*-9.08*	
		For >1,000 To 2,000, Deduct	*-17.99*	
		For >2,000 To 5,000, Deduct	*-27.23*	
		For >5,000, Deduct	*-43.73*	
33 01 30 71-0109	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	450.72	
		For Up To 75, Add	*91.92*	
		For >75 To 150, Add	*45.07*	
		For >500 To 1,000, Deduct	*-9.73*	
		For >1,000 To 2,000, Deduct	*-19.27*	
		For >2,000 To 5,000, Deduct	*-29.18*	
		For >5,000, Deduct	*-46.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0110	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	480.77	
		For Up To 75, Add	*98.05*	
		For >75 To 150, Add	*48.08*	
		For >500 To 1,000, Deduct	*-10.37*	
		For >1,000 To 2,000, Deduct	*-20.56*	
		For >2,000 To 5,000, Deduct	*-31.12*	
		For >5,000, Deduct	*-49.97*	
33 01 30 71-0111	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	510.82	
		For Up To 75, Add	*104.18*	
		For >75 To 150, Add	*51.08*	
		For >500 To 1,000, Deduct	*-11.02*	
		For >1,000 To 2,000, Deduct	*-21.84*	
		For >2,000 To 5,000, Deduct	*-33.07*	
		For >5,000, Deduct	*-53.10*	
33 01 30 71-0112	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	540.86	
		For Up To 75, Add	*110.30*	
		For >75 To 150, Add	*54.09*	
		For >500 To 1,000, Deduct	*-11.67*	
		For >1,000 To 2,000, Deduct	*-23.13*	
		For >2,000 To 5,000, Deduct	*-35.01*	
		For >5,000, Deduct	*-56.22*	
33 01 30 71-0113	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	570.91	
		For Up To 75, Add	*116.43*	
		For >75 To 150, Add	*57.09*	
		For >500 To 1,000, Deduct	*-12.32*	
		For >1,000 To 2,000, Deduct	*-24.41*	
		For >2,000 To 5,000, Deduct	*-36.95*	
		For >5,000, Deduct	*-59.34*	
33 01 30 71-0114	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	600.96	
		For Up To 75, Add	*122.56*	
		For >75 To 150, Add	*60.10*	
		For >500 To 1,000, Deduct	*-12.97*	
		For >1,000 To 2,000, Deduct	*-25.70*	
		For >2,000 To 5,000, Deduct	*-38.90*	
		For >5,000, Deduct	*-62.46*	
33 01 30 71-0115	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	19.13	

33 01 30 71-0116 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0011)*

Note: Two part structural polyurethane.

33 01 30 71-0117	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	223.38	
		For Up To 75, Add	*45.47*	
		For >75 To 150, Add	*22.34*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000 To 2,000, Deduct	*-9.49*	
		For >2,000 To 5,000, Deduct	*-14.35*	
		For >5,000, Deduct	*-23.13*	
33 01 30 71-0118	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	260.61	
		For Up To 75, Add	*53.04*	
		For >75 To 150, Add	*26.06*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000 To 2,000, Deduct	*-11.07*	
		For >2,000 To 5,000, Deduct	*-16.74*	
		For >5,000, Deduct	*-26.98*	
33 01 30 71-0119	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	297.84	
		For Up To 75, Add	*60.62*	
		For >75 To 150, Add	*29.78*	
		For >500 To 1,000, Deduct	*-6.38*	
		For >1,000 To 2,000, Deduct	*-12.65*	
		For >2,000 To 5,000, Deduct	*-19.13*	
		For >5,000, Deduct	*-30.84*	
33 01 30 71-0120	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	335.08	
		For Up To 75, Add	*68.20*	
		For >75 To 150, Add	*33.51*	
		For >500 To 1,000, Deduct	*-7.18*	
		For >1,000 To 2,000, Deduct	*-14.23*	
		For >2,000 To 5,000, Deduct	*-21.53*	
		For >5,000, Deduct	*-34.69*	
33 01 30 71-0121	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	372.30	
		For Up To 75, Add	*75.78*	
		For >75 To 150, Add	*37.23*	
		For >500 To 1,000, Deduct	*-7.97*	
		For >1,000 To 2,000, Deduct	*-15.81*	
		For >2,000 To 5,000, Deduct	*-23.92*	
		For >5,000, Deduct	*-38.55*	
33 01 30 71-0122	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	409.54	
		For Up To 75, Add	*83.36*	
		For >75 To 150, Add	*40.95*	
		For >500 To 1,000, Deduct	*-8.77*	
		For >1,000 To 2,000, Deduct	*-17.39*	
		For >2,000 To 5,000, Deduct	*-26.31*	
		For >5,000, Deduct	*-42.40*	
33 01 30 71-0123	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	446.77	
		For Up To 75, Add	*90.93*	
		For >75 To 150, Add	*44.68*	
		For >500 To 1,000, Deduct	*-9.57*	
		For >1,000 To 2,000, Deduct	*-18.98*	
		For >2,000 To 5,000, Deduct	*-28.70*	
		For >5,000, Deduct	*-46.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0124	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	484.00	
		For Up To 75, Add	*98.51*	
		For >75 To 150, Add	*48.40*	
		For >500 To 1,000, Deduct	*-10.36*	
		For >1,000 To 2,000, Deduct	*-20.56*	
		For >2,000 To 5,000, Deduct	*-31.09*	
		For >5,000, Deduct	*-50.11*	
33 01 30 71-0125	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	521.23	
		For Up To 75, Add	*106.09*	
		For >75 To 150, Add	*52.12*	
		For >500 To 1,000, Deduct	*-11.16*	
		For >1,000 To 2,000, Deduct	*-22.14*	
		For >2,000 To 5,000, Deduct	*-33.48*	
		For >5,000, Deduct	*-53.97*	
33 01 30 71-0126	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	558.47	
		For Up To 75, Add	*113.67*	
		For >75 To 150, Add	*55.85*	
		For >500 To 1,000, Deduct	*-11.96*	
		For >1,000 To 2,000, Deduct	*-23.72*	
		For >2,000 To 5,000, Deduct	*-35.88*	
		For >5,000, Deduct	*-57.82*	
33 01 30 71-0127	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	595.70	
		For Up To 75, Add	*121.25*	
		For >75 To 150, Add	*59.57*	
		For >500 To 1,000, Deduct	*-12.76*	
		For >1,000 To 2,000, Deduct	*-25.30*	
		For >2,000 To 5,000, Deduct	*-38.27*	
		For >5,000, Deduct	*-61.68*	
33 01 30 71-0128	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	632.91	
		For Up To 75, Add	*128.82*	
		For >75 To 150, Add	*63.29*	
		For >500 To 1,000, Deduct	*-13.55*	
		For >1,000 To 2,000, Deduct	*-26.88*	
		For >2,000 To 5,000, Deduct	*-40.66*	
		For >5,000, Deduct	*-65.53*	
33 01 30 71-0129	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	670.15	
		For Up To 75, Add	*136.40*	
		For >75 To 150, Add	*67.02*	
		For >500 To 1,000, Deduct	*-14.35*	
		For >1,000 To 2,000, Deduct	*-28.46*	
		For >2,000 To 5,000, Deduct	*-43.05*	
		For >5,000, Deduct	*-69.38*	
33 01 30 71-0130	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	707.38	
		For Up To 75, Add	*143.98*	
		For >75 To 150, Add	*70.74*	
		For >500 To 1,000, Deduct	*-15.15*	
		For >1,000 To 2,000, Deduct	*-30.05*	
		For >2,000 To 5,000, Deduct	*-45.44*	
		For >5,000, Deduct	*-73.24*	
33 01 30 71-0131	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	744.61	
		For Up To 75, Add	*151.55*	
		For >75 To 150, Add	*74.46*	
		For >500 To 1,000, Deduct	*-15.94*	
		For >1,000 To 2,000, Deduct	*-31.63*	
		For >2,000 To 5,000, Deduct	*-47.83*	
		For >5,000, Deduct	*-77.09*	
33 01 30 71-0132	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	23.71	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Set-Up And Reinsertion For Cured In-Place Pipe (CIPP) Lining *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set-up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	949.33
33 01 30 72-0004	EA	Initial Set-up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,582.22
33 01 30 72-0005	EA	Initial Set-up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,373.33
33 01 30 72-0006	EA	Initial Set-up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,164.44
33 01 30 72-0007	EA	Move And Set-up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	474.67
33 01 30 72-0008	EA	Move And Set-up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	791.11
33 01 30 72-0009	EA	Move And Set-up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	988.88
33 01 30 72-0010	EA	Move And Set-up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,265.78
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	791.11
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	1,898.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	3,164.44	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	4,746.66	

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	19.29
		For Vinylester Resin, Add	*7.69*
		For Epoxy Resin, Add	*0.91*
		For Up To >10, Add	*30.42*
		For >10 To 25, Add	*23.52*
		For >25 To 50, Add	*14.66*
		For >50 To 100, Add	*7.33*
		For >500 To 1,000, Deduct	*-1.17*
		For >1,000 To 2,000, Deduct	*-1.86*
		For >2,000 To 5,000, Deduct	*-3.40*
		For >5,000, Deduct	*-5.52*
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	25.32
		For Vinylester Resin, Add	*11.91*
		For Epoxy Resin, Add	*1.40*
		For Up To >10, Add	*33.44*
		For >10 To 25, Add	*25.03*
		For >25 To 50, Add	*15.87*
		For >50 To 100, Add	*7.93*
		For >500 To 1,000, Deduct	*-1.47*
		For >1,000 To 2,000, Deduct	*-2.31*
		For >2,000 To 5,000, Deduct	*-4.12*
		For >5,000, Deduct	*-6.73*
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	31.34
		For Vinylester Resin, Add	*16.12*
		For Epoxy Resin, Add	*1.90*
		For Up To >10, Add	*36.45*
		For >10 To 25, Add	*26.53*
		For >25 To 50, Add	*17.07*
		For >50 To 100, Add	*8.54*
		For >500 To 1,000, Deduct	*-1.77*
		For >1,000 To 2,000, Deduct	*-2.77*
		For >2,000 To 5,000, Deduct	*-4.84*
		For >5,000, Deduct	*-7.93*
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	44.18
		For Vinylester Resin, Add	*24.56*
		For Epoxy Resin, Add	*2.89*
		For Up To >10, Add	*44.84*
		For >10 To 25, Add	*31.52*
		For >25 To 50, Add	*20.67*
		For >50 To 100, Add	*10.33*
		For >500 To 1,000, Deduct	*-2.44*
		For >1,000 To 2,000, Deduct	*-3.77*
		For >2,000 To 5,000, Deduct	*-6.48*
		For >5,000, Deduct	*-10.66*
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	57.02
		For Vinylester Resin, Add	*32.99*
		For Epoxy Resin, Add	*3.89*
		For Up To >10, Add	*53.24*
		For >10 To 25, Add	*36.51*
		For >25 To 50, Add	*24.26*
		For >50 To 100, Add	*12.13*
		For >500 To 1,000, Deduct	*-3.10*
		For >1,000 To 2,000, Deduct	*-4.77*
		For >2,000 To 5,000, Deduct	*-8.13*
		For >5,000, Deduct	*-13.38*

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	30.51
		For Vinylester Resin, Add	*15.54*
		For Epoxy Resin, Add	*1.83*
		For Up To >10, Add	*36.03*
		For >10 To 25, Add	*26.33*
		For >25 To 50, Add	*16.91*
		For >50 To 100, Add	*8.45*
		For >500 To 1,000, Deduct	*-1.73*
		For >1,000 To 2,000, Deduct	*-2.70*
		For >2,000 To 5,000, Deduct	*-4.74*
		For >5,000, Deduct	*-7.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	38.54	
		For Vinylester Resin, Add	*21.16*	
		For Epoxy Resin, Add	*2.49*	
		For Up To >10, Add	*40.05*	
		For >10 To 25, Add	*28.33*	
		For >25 To 50, Add	*18.51*	
		For >50 To 100, Add	*9.26*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000 To 2,000, Deduct	*-3.31*	
		For >2,000 To 5,000, Deduct	*-5.71*	
		For >5,000, Deduct	*-9.37*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	55.40	
		For Vinylester Resin, Add	*32.41*	
		For Epoxy Resin, Add	*3.82*	
		For Up To >10, Add	*50.45*	
		For >10 To 25, Add	*34.33*	
		For >25 To 50, Add	*22.91*	
		For >50 To 100, Add	*11.46*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000 To 2,000, Deduct	*-4.61*	
		For >2,000 To 5,000, Deduct	*-7.83*	
		For >5,000, Deduct	*-12.90*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	72.25	
		For Vinylester Resin, Add	*43.65*	
		For Epoxy Resin, Add	*5.14*	
		For Up To >10, Add	*60.85*	
		For >10 To 25, Add	*40.32*	
		For >25 To 50, Add	*27.31*	
		For >50 To 100, Add	*13.65*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000 To 2,000, Deduct	*-5.91*	
		For >2,000 To 5,000, Deduct	*-9.96*	
		For >5,000, Deduct	*-16.43*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	89.19	
		For Vinylester Resin, Add	*54.90*	
		For Epoxy Resin, Add	*6.47*	
		For Up To >10, Add	*71.50*	
		For >10 To 25, Add	*46.51*	
		For >25 To 50, Add	*31.83*	
		For >50 To 100, Add	*15.91*	
		For >500 To 1,000, Deduct	*-4.73*	
		For >1,000 To 2,000, Deduct	*-7.23*	
		For >2,000 To 5,000, Deduct	*-12.10*	
		For >5,000, Deduct	*-19.99*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	106.36	
		For Vinylester Resin, Add	*66.14*	
		For Epoxy Resin, Add	*7.80*	
		For Up To >10, Add	*82.86*	
		For >10 To 25, Add	*53.30*	
		For >25 To 50, Add	*36.70*	
		For >50 To 100, Add	*18.35*	
		For >500 To 1,000, Deduct	*-5.61*	
		For >1,000 To 2,000, Deduct	*-8.57*	
		For >2,000 To 5,000, Deduct	*-14.31*	
		For >5,000, Deduct	*-23.65*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	45.51	
		For Vinylester Resin, Add	*26.04*	
		For Epoxy Resin, Add	*3.07*	
		For Up To >10, Add	*43.53*	
		For >10 To 25, Add	*30.08*	
		For >25 To 50, Add	*19.91*	
		For >50 To 100, Add	*9.95*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000 To 5,000, Deduct	*-6.54*	
		For >5,000, Deduct	*-10.76*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	66.38	
		For Vinylester Resin, Add	*40.10*	
		For Epoxy Resin, Add	*4.73*	
		For Up To >10, Add	*55.94*	
		For >10 To 25, Add	*37.07*	
		For >25 To 50, Add	*25.11*	
		For >50 To 100, Add	*12.55*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000 To 2,000, Deduct	*-5.43*	
		For >2,000 To 5,000, Deduct	*-9.15*	
		For >5,000, Deduct	*-15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	87.25	
		For Vinylester Resin, Add	*54.15*	
		For Epoxy Resin, Add	*6.38*	
		For Up To >10, Add	*68.35*	
		For >10 To 25, Add	*44.07*	
		For >25 To 50, Add	*30.31*	
		For >50 To 100, Add	*15.15*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000 To 2,000, Deduct	*-7.04*	
		For >2,000 To 5,000, Deduct	*-11.76*	
		For >5,000, Deduct	*-19.43*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	108.20	
		For Vinylester Resin, Add	*68.21*	
		For Epoxy Resin, Add	*8.04*	
		For Up To >10, Add	*81.00*	
		For >10 To 25, Add	*51.26*	
		For >25 To 50, Add	*35.63*	
		For >50 To 100, Add	*17.81*	
		For >500 To 1,000, Deduct	*-5.68*	
		For >1,000 To 2,000, Deduct	*-8.65*	
		For >2,000 To 5,000, Deduct	*-14.38*	
		For >5,000, Deduct	*-23.79*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	129.39	
		For Vinylester Resin, Add	*82.26*	
		For Epoxy Resin, Add	*9.70*	
		For Up To >10, Add	*94.37*	
		For >10 To 25, Add	*59.06*	
		For >25 To 50, Add	*41.31*	
		For >50 To 100, Add	*20.65*	
		For >500 To 1,000, Deduct	*-6.77*	
		For >1,000 To 2,000, Deduct	*-10.30*	
		For >2,000 To 5,000, Deduct	*-17.07*	
		For >5,000, Deduct	*-28.25*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	161.09	
		For Vinylester Resin, Add	*103.35*	
		For Epoxy Resin, Add	*12.18*	
		For Up To >10, Add	*114.17*	
		For >10 To 25, Add	*70.54*	
		For >25 To 50, Add	*49.70*	
		For >50 To 100, Add	*24.85*	
		For >500 To 1,000, Deduct	*-8.39*	
		For >1,000 To 2,000, Deduct	*-12.75*	
		For >2,000 To 5,000, Deduct	*-21.08*	
		For >5,000, Deduct	*-34.91*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	192.95	
		For Vinylester Resin, Add	*124.43*	
		For Epoxy Resin, Add	*14.67*	
		For Up To >10, Add	*134.45*	
		For >10 To 25, Add	*82.42*	
		For >25 To 50, Add	*58.34*	
		For >50 To 100, Add	*29.17*	
		For >500 To 1,000, Deduct	*-10.03*	
		For >1,000 To 2,000, Deduct	*-15.23*	
		For >2,000 To 5,000, Deduct	*-25.13*	
		For >5,000, Deduct	*-41.63*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	77.12	
		For Vinylester Resin, Add	*47.61*	
		For Epoxy Resin, Add	*5.61*	
		For Up To >10, Add	*61.31*	
		For >10 To 25, Add	*39.76*	
		For >25 To 50, Add	*27.25*	
		For >50 To 100, Add	*13.63*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000 To 2,000, Deduct	*-6.24*	
		For >2,000 To 5,000, Deduct	*-10.44*	
		For >5,000, Deduct	*-17.24*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	102.01	
		For Vinylester Resin, Add	*64.48*	
		For Epoxy Resin, Add	*7.60*	
		For Up To >10, Add	*75.73*	
		For >10 To 25, Add	*47.76*	
		For >25 To 50, Add	*33.26*	
		For >50 To 100, Add	*16.63*	
		For >500 To 1,000, Deduct	*-5.35*	
		For >1,000 To 2,000, Deduct	*-8.15*	
		For >2,000 To 5,000, Deduct	*-13.53*	
		For >5,000, Deduct	*-22.38*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	126.98	
		For Vinylester Resin, Add	*81.35*	
		For Epoxy Resin, Add	*9.59*	
		For Up To >10, Add	*90.39*	
		For >10 To 25, Add	*55.96*	
		For >25 To 50, Add	*39.38*	
		For >50 To 100, Add	*19.69*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000 To 2,000, Deduct	*-10.06*	
		For >2,000 To 5,000, Deduct	*-16.64*	
		For >5,000, Deduct	*-27.55*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	152.18	
		For Vinylester Resin, Add	*98.22*	
		For Epoxy Resin, Add	*11.58*	
		For Up To >10, Add	*105.77*	
		For >10 To 25, Add	*64.75*	
		For >25 To 50, Add	*45.87*	
		For >50 To 100, Add	*22.93*	
		For >500 To 1,000, Deduct	*-7.91*	
		For >1,000 To 2,000, Deduct	*-12.01*	
		For >2,000 To 5,000, Deduct	*-19.80*	
		For >5,000, Deduct	*-32.81*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	189.91	
		For Vinylester Resin, Add	*123.52*	
		For Epoxy Resin, Add	*14.56*	
		For Up To >10, Add	*128.58*	
		For >10 To 25, Add	*77.74*	
		For >25 To 50, Add	*55.47*	
		For >50 To 100, Add	*27.73*	
		For >500 To 1,000, Deduct	*-9.83*	
		For >1,000 To 2,000, Deduct	*-14.92*	
		For >2,000 To 5,000, Deduct	*-24.54*	
		For >5,000, Deduct	*-40.67*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	227.79	
		For Vinylester Resin, Add	*148.82*	
		For Epoxy Resin, Add	*17.54*	
		For Up To >10, Add	*151.87*	
		For >10 To 25, Add	*91.13*	
		For >25 To 50, Add	*65.31*	
		For >50 To 100, Add	*32.65*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000 To 2,000, Deduct	*-17.84*	
		For >2,000 To 5,000, Deduct	*-29.31*	
		For >5,000, Deduct	*-48.60*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	265.20	
		For Vinylester Resin, Add	*174.13*	
		For Epoxy Resin, Add	*20.52*	
		For Up To >10, Add	*173.73*	
		For >10 To 25, Add	*103.31*	
		For >25 To 50, Add	*74.43*	
		For >50 To 100, Add	*37.21*	
		For >500 To 1,000, Deduct	*-13.67*	
		For >1,000 To 2,000, Deduct	*-20.71*	
		For >2,000 To 5,000, Deduct	*-33.96*	
		For >5,000, Deduct	*-56.33*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	302.86	
		For Vinylester Resin, Add	*199.43*	
		For Epoxy Resin, Add	*23.50*	
		For Up To >10, Add	*196.33*	
		For >10 To 25, Add	*116.13*	
		For >25 To 50, Add	*83.92*	
		For >50 To 100, Add	*41.96*	
		For >500 To 1,000, Deduct	*-15.59*	
		For >1,000 To 2,000, Deduct	*-23.61*	
		For >2,000 To 5,000, Deduct	*-38.68*	
		For >5,000, Deduct	*-64.16*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	218.49	
		For Vinylester Resin, Add	*143.53*	
		For Epoxy Resin, Add	*16.92*	
		For Up To >10, Add	*142.87*	
		For >10 To 25, Add	*84.89*	
		For >25 To 50, Add	*61.18*	
		For >50 To 100, Add	*30.59*	
		For >500 To 1,000, Deduct	*-11.26*	
		For >1,000 To 2,000, Deduct	*-17.06*	
		For >2,000 To 5,000, Deduct	*-27.97*	
		For >5,000, Deduct	*-46.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	262.39	
		For Vinylester Resin, Add	*173.04*	
		For Epoxy Resin, Add	*20.39*	
		For Up To >10, Add	*169.17*	
		For >10 To 25, Add	*99.78*	
		For >25 To 50, Add	*72.23*	
		For >50 To 100, Add	*36.11*	
		For >500 To 1,000, Deduct	*-13.50*	
		For >1,000 To 2,000, Deduct	*-20.44*	
		For >2,000 To 5,000, Deduct	*-33.46*	
		For >5,000, Deduct	*-55.52*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	305.83	
		For Vinylester Resin, Add	*202.57*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*194.04*	
		For >10 To 25, Add	*113.47*	
		For >25 To 50, Add	*82.55*	
		For >50 To 100, Add	*41.28*	
		For >500 To 1,000, Deduct	*-15.70*	
		For >1,000 To 2,000, Deduct	*-23.76*	
		For >2,000 To 5,000, Deduct	*-38.84*	
		For >5,000, Deduct	*-64.46*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	349.51	
		For Vinylester Resin, Add	*232.09*	
		For Epoxy Resin, Add	*27.35*	
		For Up To >10, Add	*219.66*	
		For >10 To 25, Add	*127.79*	
		For >25 To 50, Add	*93.25*	
		For >50 To 100, Add	*46.63*	
		For >500 To 1,000, Deduct	*-17.92*	
		For >1,000 To 2,000, Deduct	*-27.11*	
		For >2,000 To 5,000, Deduct	*-44.28*	
		For >5,000, Deduct	*-73.49*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	393.49	
		For Vinylester Resin, Add	*261.60*	
		For Epoxy Resin, Add	*30.83*	
		For Up To >10, Add	*246.20*	
		For >10 To 25, Add	*142.88*	
		For >25 To 50, Add	*104.41*	
		For >50 To 100, Add	*52.21*	
		For >500 To 1,000, Deduct	*-20.17*	
		For >1,000 To 2,000, Deduct	*-30.50*	
		For >2,000 To 5,000, Deduct	*-49.79*	
		For >5,000, Deduct	*-82.65*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	437.88	
		For Vinylester Resin, Add	*291.12*	
		For Epoxy Resin, Add	*34.31*	
		For Up To >10, Add	*273.92*	
		For >10 To 25, Add	*158.95*	
		For >25 To 50, Add	*116.16*	
		For >50 To 100, Add	*58.08*	
		For >500 To 1,000, Deduct	*-22.44*	
		For >1,000 To 2,000, Deduct	*-33.94*	
		For >2,000 To 5,000, Deduct	*-55.40*	
		For >5,000, Deduct	*-91.97*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	524.99	
		For Vinylester Resin, Add	*350.16*	
		For Epoxy Resin, Add	*41.27*	
		For Up To >10, Add	*324.40*	
		For >10 To 25, Add	*186.96*	
		For >25 To 50, Add	*137.19*	
		For >50 To 100, Add	*68.59*	
		For >500 To 1,000, Deduct	*-26.87*	
		For >1,000 To 2,000, Deduct	*-40.61*	
		For >2,000 To 5,000, Deduct	*-66.22*	
		For >5,000, Deduct	*-109.95*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	246.83	
		For Vinylester Resin, Add	*163.37*	
		For Epoxy Resin, Add	*19.25*	
		For Up To >10, Add	*157.04*	
		For >10 To 25, Add	*91.97*	
		For >25 To 50, Add	*66.85*	
		For >50 To 100, Add	*33.43*	
		For >500 To 1,000, Deduct	*-12.68*	
		For >1,000 To 2,000, Deduct	*-19.18*	
		For >2,000 To 5,000, Deduct	*-31.37*	
		For >5,000, Deduct	*-52.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	296.77	
		For Vinylester Resin, Add	*197.11*	
		For Epoxy Resin, Add	*23.23*	
		For Up To >10, Add	*186.36*	
		For >10 To 25, Add	*108.37*	
		For >25 To 50, Add	*79.10*	
		For >50 To 100, Add	*39.55*	
		For >500 To 1,000, Deduct	*-15.22*	
		For >1,000 To 2,000, Deduct	*-23.02*	
		For >2,000 To 5,000, Deduct	*-37.59*	
		For >5,000, Deduct	*-62.39*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	346.22	
		For Vinylester Resin, Add	*230.84*	
		For Epoxy Resin, Add	*27.21*	
		For Up To >10, Add	*214.24*	
		For >10 To 25, Add	*123.57*	
		For >25 To 50, Add	*90.63*	
		For >50 To 100, Add	*45.31*	
		For >500 To 1,000, Deduct	*-17.72*	
		For >1,000 To 2,000, Deduct	*-26.79*	
		For >2,000 To 5,000, Deduct	*-43.68*	
		For >5,000, Deduct	*-72.53*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	395.92	
		For Vinylester Resin, Add	*264.57*	
		For Epoxy Resin, Add	*31.18*	
		For Up To >10, Add	*242.86*	
		For >10 To 25, Add	*139.39*	
		For >25 To 50, Add	*102.53*	
		For >50 To 100, Add	*51.27*	
		For >500 To 1,000, Deduct	*-20.25*	
		For >1,000 To 2,000, Deduct	*-30.59*	
		For >2,000 To 5,000, Deduct	*-49.85*	
		For >5,000, Deduct	*-82.78*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	445.94	
		For Vinylester Resin, Add	*298.31*	
		For Epoxy Resin, Add	*35.16*	
		For Up To >10, Add	*272.42*	
		For >10 To 25, Add	*155.99*	
		For >25 To 50, Add	*114.90*	
		For >50 To 100, Add	*57.45*	
		For >500 To 1,000, Deduct	*-22.79*	
		For >1,000 To 2,000, Deduct	*-34.43*	
		For >2,000 To 5,000, Deduct	*-56.08*	
		For >5,000, Deduct	*-93.14*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	496.34	
		For Vinylester Resin, Add	*332.05*	
		For Epoxy Resin, Add	*39.13*	
		For Up To >10, Add	*303.15*	
		For >10 To 25, Add	*173.56*	
		For >25 To 50, Add	*127.86*	
		For >50 To 100, Add	*63.93*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000 To 2,000, Deduct	*-38.33*	
		For >2,000 To 5,000, Deduct	*-62.42*	
		For >5,000, Deduct	*-103.67*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	595.50	
		For Vinylester Resin, Add	*399.52*	
		For Epoxy Resin, Add	*47.09*	
		For Up To >10, Add	*359.65*	
		For >10 To 25, Add	*204.59*	
		For >25 To 50, Add	*151.29*	
		For >50 To 100, Add	*75.64*	
		For >500 To 1,000, Deduct	*-30.39*	
		For >1,000 To 2,000, Deduct	*-45.90*	
		For >2,000 To 5,000, Deduct	*-74.68*	
		For >5,000, Deduct	*-124.05*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	695.37	
		For Vinylester Resin, Add	*466.99*	
		For Epoxy Resin, Add	*55.04*	
		For Up To >10, Add	*418.29*	
		For >10 To 25, Add	*237.38*	
		For >25 To 50, Add	*175.79*	
		For >50 To 100, Add	*87.89*	
		For >500 To 1,000, Deduct	*-35.47*	
		For >1,000 To 2,000, Deduct	*-53.56*	
		For >2,000 To 5,000, Deduct	*-87.12*	
		For >5,000, Deduct	*-144.72*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	796.50	
		For Vinylester Resin, Add	*534.46*	
		For Epoxy Resin, Add	*62.99*	
		For Up To >10, Add	*480.73*	
		For >10 To 25, Add	*273.35*	
		For >25 To 50, Add	*202.19*	
		For >50 To 100, Add	*101.09*	
		For >500 To 1,000, Deduct	*-40.65*	
		For >1,000 To 2,000, Deduct	*-61.39*	
		For >2,000 To 5,000, Deduct	*-99.87*	
		For >5,000, Deduct	*-165.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0064		13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	274.93	
		For Vinylester Resin, Add	*183.04*	
		For Epoxy Resin, Add	*21.57*	
		For Up To >10, Add	*171.09*	
		For >10 To 25, Add	*99.00*	
		For >25 To 50, Add	*72.47*	
		For >50 To 100, Add	*36.24*	
		For >500 To 1,000, Deduct	*-14.08*	
		For >1,000 To 2,000, Deduct	*-21.29*	
		For >2,000 To 5,000, Deduct	*-34.74*	
		For >5,000, Deduct	*-57.68*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	330.90	
		For Vinylester Resin, Add	*221.00*	
		For Epoxy Resin, Add	*26.05*	
		For Up To >10, Add	*203.43*	
		For >10 To 25, Add	*116.90*	
		For >25 To 50, Add	*85.93*	
		For >50 To 100, Add	*42.96*	
		For >500 To 1,000, Deduct	*-16.92*	
		For >1,000 To 2,000, Deduct	*-25.58*	
		For >2,000 To 5,000, Deduct	*-41.68*	
		For >5,000, Deduct	*-69.22*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	386.38	
		For Vinylester Resin, Add	*258.95*	
		For Epoxy Resin, Add	*30.52*	
		For Up To >10, Add	*234.32*	
		For >10 To 25, Add	*133.61*	
		For >25 To 50, Add	*98.66*	
		For >50 To 100, Add	*49.33*	
		For >500 To 1,000, Deduct	*-19.73*	
		For >1,000 To 2,000, Deduct	*-29.80*	
		For >2,000 To 5,000, Deduct	*-48.50*	
		For >5,000, Deduct	*-80.57*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	442.10	
		For Vinylester Resin, Add	*296.90*	
		For Epoxy Resin, Add	*34.99*	
		For Up To >10, Add	*265.95*	
		For >10 To 25, Add	*150.94*	
		For >25 To 50, Add	*111.77*	
		For >50 To 100, Add	*55.88*	
		For >500 To 1,000, Deduct	*-22.55*	
		For >1,000 To 2,000, Deduct	*-34.06*	
		For >2,000 To 5,000, Deduct	*-55.39*	
		For >5,000, Deduct	*-92.01*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	498.14	
		For Vinylester Resin, Add	*334.85*	
		For Epoxy Resin, Add	*39.46*	
		For Up To >10, Add	*298.52*	
		For >10 To 25, Add	*169.04*	
		For >25 To 50, Add	*125.34*	
		For >50 To 100, Add	*62.67*	
		For >500 To 1,000, Deduct	*-25.40*	
		For >1,000 To 2,000, Deduct	*-38.35*	
		For >2,000 To 5,000, Deduct	*-62.35*	
		For >5,000, Deduct	*-103.58*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	554.57	
		For Vinylester Resin, Add	*372.81*	
		For Epoxy Resin, Add	*43.94*	
		For Up To >10, Add	*332.26*	
		For >10 To 25, Add	*188.12*	
		For >25 To 50, Add	*139.50*	
		For >50 To 100, Add	*69.75*	
		For >500 To 1,000, Deduct	*-28.28*	
		For >1,000 To 2,000, Deduct	*-42.69*	
		For >2,000 To 5,000, Deduct	*-69.41*	
		For >5,000, Deduct	*-115.31*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	665.77	
		For Vinylester Resin, Add	*448.71*	
		For Epoxy Resin, Add	*52.88*	
		For Up To >10, Add	*394.79*	
		For >10 To 25, Add	*222.15*	
		For >25 To 50, Add	*165.34*	
		For >50 To 100, Add	*82.67*	
		For >500 To 1,000, Deduct	*-33.91*	
		For >1,000 To 2,000, Deduct	*-51.17*	
		For >2,000 To 5,000, Deduct	*-83.11*	
		For >5,000, Deduct	*-138.11*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	777.69	
		For Vinylester Resin, Add	*524.62*	
		For Epoxy Resin, Add	*61.83*	
		For Up To >10, Add	*459.45*	
		For >10 To 25, Add	*257.96*	
		For >25 To 50, Add	*192.25*	
		For >50 To 100, Add	*96.13*	
		For >500 To 1,000, Deduct	*-39.59*	
		For >1,000 To 2,000, Deduct	*-59.74*	
		For >2,000 To 5,000, Deduct	*-96.99*	
		For >5,000, Deduct	*-161.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	890.87	
		For Vinylester Resin, Add	*600.52*	
		For Epoxy Resin, Add	*70.78*	
		For Up To >10, Add	*527.91*	
		For >10 To 25, Add	*296.95*	
		For >25 To 50, Add	*221.06*	
		For >50 To 100, Add	*110.53*	
		For >500 To 1,000, Deduct	*-45.37*	
		For >1,000 To 2,000, Deduct	*-68.46*	
		For >2,000 To 5,000, Deduct	*-111.19*	
		For >5,000, Deduct	*-184.77*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	302.80	
		For Vinylester Resin, Add	*202.55*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*185.03*	
		For >10 To 25, Add	*105.96*	
		For >25 To 50, Add	*78.05*	
		For >50 To 100, Add	*39.02*	
		For >500 To 1,000, Deduct	*-15.48*	
		For >1,000 To 2,000, Deduct	*-23.38*	
		For >2,000 To 5,000, Deduct	*-38.08*	
		For >5,000, Deduct	*-63.25*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	364.79	
		For Vinylester Resin, Add	*244.72*	
		For Epoxy Resin, Add	*28.84*	
		For Up To >10, Add	*220.37*	
		For >10 To 25, Add	*125.38*	
		For >25 To 50, Add	*92.71*	
		For >50 To 100, Add	*46.35*	
		For >500 To 1,000, Deduct	*-18.62*	
		For >1,000 To 2,000, Deduct	*-28.12*	
		For >2,000 To 5,000, Deduct	*-45.75*	
		For >5,000, Deduct	*-76.00*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	426.29	
		For Vinylester Resin, Add	*286.89*	
		For Epoxy Resin, Add	*33.81*	
		For Up To >10, Add	*254.27*	
		For >10 To 25, Add	*143.59*	
		For >25 To 50, Add	*106.64*	
		For >50 To 100, Add	*53.32*	
		For >500 To 1,000, Deduct	*-21.73*	
		For >1,000 To 2,000, Deduct	*-32.79*	
		For >2,000 To 5,000, Deduct	*-53.29*	
		For >5,000, Deduct	*-88.55*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	488.04	
		For Vinylester Resin, Add	*329.06*	
		For Epoxy Resin, Add	*38.78*	
		For Up To >10, Add	*288.92*	
		For >10 To 25, Add	*162.42*	
		For >25 To 50, Add	*120.96*	
		For >50 To 100, Add	*60.48*	
		For >500 To 1,000, Deduct	*-24.85*	
		For >1,000 To 2,000, Deduct	*-37.50*	
		For >2,000 To 5,000, Deduct	*-60.90*	
		For >5,000, Deduct	*-101.20*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	550.10	
		For Vinylester Resin, Add	*371.22*	
		For Epoxy Resin, Add	*43.75*	
		For Up To >10, Add	*324.50*	
		For >10 To 25, Add	*182.03*	
		For >25 To 50, Add	*135.73*	
		For >50 To 100, Add	*67.87*	
		For >500 To 1,000, Deduct	*-28.00*	
		For >1,000 To 2,000, Deduct	*-42.25*	
		For >2,000 To 5,000, Deduct	*-68.58*	
		For >5,000, Deduct	*-113.98*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	612.56	
		For Vinylester Resin, Add	*413.40*	
		For Epoxy Resin, Add	*48.72*	
		For Up To >10, Add	*361.26*	
		For >10 To 25, Add	*202.62*	
		For >25 To 50, Add	*151.10*	
		For >50 To 100, Add	*75.55*	
		For >500 To 1,000, Deduct	*-31.18*	
		For >1,000 To 2,000, Deduct	*-47.04*	
		For >2,000 To 5,000, Deduct	*-76.37*	
		For >5,000, Deduct	*-126.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	735.81	
		For Vinylester Resin, Add	*497.74*	
		For Epoxy Resin, Add	*58.66*	
		For Up To >10, Add	*429.81*	
		For >10 To 25, Add	*239.66*	
		For >25 To 50, Add	*179.35*	
		For >50 To 100, Add	*89.68*	
		For >500 To 1,000, Deduct	*-37.41*	
		For >1,000 To 2,000, Deduct	*-56.42*	
		For >2,000 To 5,000, Deduct	*-91.52*	
		For >5,000, Deduct	*-152.11*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	859.78	
		For Vinylester Resin, Add	*582.08*	
		For Epoxy Resin, Add	*68.60*	
		For Up To >10, Add	*500.49*	
		For >10 To 25, Add	*278.49*	
		For >25 To 50, Add	*208.67*	
		For >50 To 100, Add	*104.33*	
		For >500 To 1,000, Deduct	*-43.70*	
		For >1,000 To 2,000, Deduct	*-65.90*	
		For >2,000 To 5,000, Deduct	*-106.84*	
		For >5,000, Deduct	*-177.60*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	985.01	
		For Vinylester Resin, Add	*666.41*	
		For Epoxy Resin, Add	*78.54*	
		For Up To >10, Add	*574.98*	
		For >10 To 25, Add	*320.48*	
		For >25 To 50, Add	*239.89*	
		For >50 To 100, Add	*119.94*	
		For >500 To 1,000, Deduct	*-50.08*	
		For >1,000 To 2,000, Deduct	*-75.53*	
		For >2,000 To 5,000, Deduct	*-122.49*	
		For >5,000, Deduct	*-203.60*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	398.44	
		For Vinylester Resin, Add	*268.28*	
		For Epoxy Resin, Add	*31.62*	
		For Up To >10, Add	*237.20*	
		For >10 To 25, Add	*133.79*	
		For >25 To 50, Add	*99.44*	
		For >50 To 100, Add	*49.72*	
		For >500 To 1,000, Deduct	*-20.30*	
		For >1,000 To 2,000, Deduct	*-30.64*	
		For >2,000 To 5,000, Deduct	*-49.79*	
		For >5,000, Deduct	*-82.73*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	465.97	
		For Vinylester Resin, Add	*314.66*	
		For Epoxy Resin, Add	*37.09*	
		For Up To >10, Add	*274.11*	
		For >10 To 25, Add	*153.51*	
		For >25 To 50, Add	*114.58*	
		For >50 To 100, Add	*57.29*	
		For >500 To 1,000, Deduct	*-23.71*	
		For >1,000 To 2,000, Deduct	*-35.77*	
		For >2,000 To 5,000, Deduct	*-58.05*	
		For >5,000, Deduct	*-96.48*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	533.74	
		For Vinylester Resin, Add	*361.05*	
		For Epoxy Resin, Add	*42.55*	
		For Up To >10, Add	*311.77*	
		For >10 To 25, Add	*173.85*	
		For >25 To 50, Add	*130.10*	
		For >50 To 100, Add	*65.05*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000 To 2,000, Deduct	*-40.93*	
		For >2,000 To 5,000, Deduct	*-66.38*	
		For >5,000, Deduct	*-110.34*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	601.83	
		For Vinylester Resin, Add	*407.44*	
		For Epoxy Resin, Add	*48.02*	
		For Up To >10, Add	*350.37*	
		For >10 To 25, Add	*194.96*	
		For >25 To 50, Add	*146.08*	
		For >50 To 100, Add	*73.04*	
		For >500 To 1,000, Deduct	*-30.59*	
		For >1,000 To 2,000, Deduct	*-46.13*	
		For >2,000 To 5,000, Deduct	*-74.79*	
		For >5,000, Deduct	*-124.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	670.31	
		For Vinylester Resin, Add	*453.82*	
		For Epoxy Resin, Add	*53.49*	
		For Up To >10, Add	*390.13*	
		For >10 To 25, Add	*217.06*	
		For >25 To 50, Add	*162.65*	
		For >50 To 100, Add	*81.32*	
		For >500 To 1,000, Deduct	*-34.07*	
		For >1,000 To 2,000, Deduct	*-51.37*	
		For >2,000 To 5,000, Deduct	*-83.30*	
		For >5,000, Deduct	*-138.46*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	805.62	
		For Vinylester Resin, Add	*546.60*	
		For Epoxy Resin, Add	*64.42*	
		For Up To >10, Add	*464.71*	
		For >10 To 25, Add	*257.12*	
		For >25 To 50, Add	*193.31*	
		For >50 To 100, Add	*96.66*	
		For >500 To 1,000, Deduct	*-40.90*	
		For >1,000 To 2,000, Deduct	*-61.66*	
		For >2,000 To 5,000, Deduct	*-99.89*	
		For >5,000, Deduct	*-166.08*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	941.62	
		For Vinylester Resin, Add	*639.37*	
		For Epoxy Resin, Add	*75.35*	
		For Up To >10, Add	*541.41*	
		For >10 To 25, Add	*298.95*	
		For >25 To 50, Add	*225.04*	
		For >50 To 100, Add	*112.52*	
		For >500 To 1,000, Deduct	*-47.79*	
		For >1,000 To 2,000, Deduct	*-72.03*	
		For >2,000 To 5,000, Deduct	*-116.67*	
		For >5,000, Deduct	*-193.97*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,078.91	
		For Vinylester Resin, Add	*732.14*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*621.93*	
		For >10 To 25, Add	*343.96*	
		For >25 To 50, Add	*258.67*	
		For >50 To 100, Add	*129.33*	
		For >500 To 1,000, Deduct	*-54.77*	
		For >1,000 To 2,000, Deduct	*-82.57*	
		For >2,000 To 5,000, Deduct	*-133.76*	
		For >5,000, Deduct	*-222.38*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,215.64	
		For Vinylester Resin, Add	*824.92*	
		For Epoxy Resin, Add	*97.22*	
		For Up To >10, Add	*700.77*	
		For >10 To 25, Add	*387.57*	
		For >25 To 50, Add	*291.46*	
		For >50 To 100, Add	*145.73*	
		For >500 To 1,000, Deduct	*-61.71*	
		For >1,000 To 2,000, Deduct	*-93.03*	
		For >2,000 To 5,000, Deduct	*-150.71*	
		For >5,000, Deduct	*-250.56*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	432.26	
		For Vinylester Resin, Add	*291.67*	
		For Epoxy Resin, Add	*34.38*	
		For Up To >10, Add	*255.11*	
		For >10 To 25, Add	*143.14*	
		For >25 To 50, Add	*106.72*	
		For >50 To 100, Add	*53.36*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000 To 2,000, Deduct	*-33.20*	
		For >2,000 To 5,000, Deduct	*-53.90*	
		For >5,000, Deduct	*-89.57*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	505.88	
		For Vinylester Resin, Add	*342.27*	
		For Epoxy Resin, Add	*40.34*	
		For Up To >10, Add	*295.24*	
		For >10 To 25, Add	*164.54*	
		For >25 To 50, Add	*123.17*	
		For >50 To 100, Add	*61.59*	
		For >500 To 1,000, Deduct	*-25.72*	
		For >1,000 To 2,000, Deduct	*-38.79*	
		For >2,000 To 5,000, Deduct	*-62.91*	
		For >5,000, Deduct	*-104.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	579.69	
		For Vinylester Resin, Add	*392.88*	
		For Epoxy Resin, Add	*46.30*	
		For Up To >10, Add	*335.95*	
		For >10 To 25, Add	*186.41*	
		For >25 To 50, Add	*139.91*	
		For >50 To 100, Add	*69.96*	
		For >500 To 1,000, Deduct	*-29.45*	
		For >1,000 To 2,000, Deduct	*-44.40*	
		For >2,000 To 5,000, Deduct	*-71.96*	
		For >5,000, Deduct	*-119.63*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	653.88	
		For Vinylester Resin, Add	*443.49*	
		For Epoxy Resin, Add	*52.27*	
		For Up To >10, Add	*377.77*	
		For >10 To 25, Add	*209.21*	
		For >25 To 50, Add	*157.21*	
		For >50 To 100, Add	*78.60*	
		For >500 To 1,000, Deduct	*-33.20*	
		For >1,000 To 2,000, Deduct	*-50.06*	
		For >2,000 To 5,000, Deduct	*-81.11*	
		For >5,000, Deduct	*-134.84*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	728.38	
		For Vinylester Resin, Add	*494.08*	
		For Epoxy Resin, Add	*58.23*	
		For Up To >10, Add	*420.57*	
		For >10 To 25, Add	*232.83*	
		For >25 To 50, Add	*174.99*	
		For >50 To 100, Add	*87.50*	
		For >500 To 1,000, Deduct	*-36.98*	
		For >1,000 To 2,000, Deduct	*-55.76*	
		For >2,000 To 5,000, Deduct	*-90.34*	
		For >5,000, Deduct	*-150.19*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	876.37	
		For Vinylester Resin, Add	*595.29*	
		For Epoxy Resin, Add	*70.16*	
		For Up To >10, Add	*503.06*	
		For >10 To 25, Add	*277.48*	
		For >25 To 50, Add	*209.01*	
		For >50 To 100, Add	*104.50*	
		For >500 To 1,000, Deduct	*-44.47*	
		For >1,000 To 2,000, Deduct	*-67.03*	
		For >2,000 To 5,000, Deduct	*-108.54*	
		For >5,000, Deduct	*-180.46*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,024.67	
		For Vinylester Resin, Add	*696.50*	
		For Epoxy Resin, Add	*82.09*	
		For Up To >10, Add	*586.51*	
		For >10 To 25, Add	*322.93*	
		For >25 To 50, Add	*243.51*	
		For >50 To 100, Add	*121.75*	
		For >500 To 1,000, Deduct	*-51.98*	
		For >1,000 To 2,000, Deduct	*-78.33*	
		For >2,000 To 5,000, Deduct	*-126.82*	
		For >5,000, Deduct	*-210.87*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,174.23	
		For Vinylester Resin, Add	*797.71*	
		For Epoxy Resin, Add	*94.02*	
		For Up To >10, Add	*673.74*	
		For >10 To 25, Add	*371.52*	
		For >25 To 50, Add	*279.89*	
		For >50 To 100, Add	*139.95*	
		For >500 To 1,000, Deduct	*-59.58*	
		For >1,000 To 2,000, Deduct	*-89.80*	
		For >2,000 To 5,000, Deduct	*-145.41*	
		For >5,000, Deduct	*-241.78*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,323.25	
		For Vinylester Resin, Add	*898.92*	
		For Epoxy Resin, Add	*105.94*	
		For Up To >10, Add	*759.33*	
		For >10 To 25, Add	*418.74*	
		For >25 To 50, Add	*315.45*	
		For >50 To 100, Add	*157.73*	
		For >500 To 1,000, Deduct	*-67.14*	
		For >1,000 To 2,000, Deduct	*-101.20*	
		For >2,000 To 5,000, Deduct	*-163.87*	
		For >5,000, Deduct	*-272.47*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,472.17	
		For Vinylester Resin, Add	*1,000.12*	
		For Epoxy Resin, Add	*117.87*	
		For Up To >10, Add	*844.66*	
		For >10 To 25, Add	*465.76*	
		For >25 To 50, Add	*350.89*	
		For >50 To 100, Add	*175.45*	
		For >500 To 1,000, Deduct	*-74.69*	
		For >1,000 To 2,000, Deduct	*-112.58*	
		For >2,000 To 5,000, Deduct	*-182.31*	
		For >5,000, Deduct	*-303.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,621.43	
		For Vinylester Resin, Add	*1,101.33*	
		For Epoxy Resin, Add	*129.80*	
		For Up To >10, Add	*930.97*	
		For >10 To 25, Add	*513.58*	
		For >25 To 50, Add	*386.82*	
		For >50 To 100, Add	*193.41*	
		For >500 To 1,000, Deduct	*-82.27*	
		For >1,000 To 2,000, Deduct	*-124.01*	
		For >2,000 To 5,000, Deduct	*-200.82*	
		For >5,000, Deduct	*-333.91*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,770.44	
		For Vinylester Resin, Add	*1,202.54*	
		For Epoxy Resin, Add	*141.73*	
		For Up To >10, Add	*1,016.55*	
		For >10 To 25, Add	*560.80*	
		For >25 To 50, Add	*422.38*	
		For >50 To 100, Add	*211.19*	
		For >500 To 1,000, Deduct	*-89.84*	
		For >1,000 To 2,000, Deduct	*-135.41*	
		For >2,000 To 5,000, Deduct	*-219.28*	
		For >5,000, Deduct	*-364.59*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	466.07	
		For Vinylester Resin, Add	*314.90*	
		For Epoxy Resin, Add	*37.11*	
		For Up To >10, Add	*273.59*	
		For >10 To 25, Add	*153.01*	
		For >25 To 50, Add	*114.30*	
		For >50 To 100, Add	*57.15*	
		For >500 To 1,000, Deduct	*-23.71*	
		For >1,000 To 2,000, Deduct	*-35.77*	
		For >2,000 To 5,000, Deduct	*-58.04*	
		For >5,000, Deduct	*-96.46*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	545.73	
		For Vinylester Resin, Add	*369.72*	
		For Epoxy Resin, Add	*43.57*	
		For Up To >10, Add	*316.77*	
		For >10 To 25, Add	*175.94*	
		For >25 To 50, Add	*131.97*	
		For >50 To 100, Add	*65.99*	
		For >500 To 1,000, Deduct	*-27.73*	
		For >1,000 To 2,000, Deduct	*-41.81*	
		For >2,000 To 5,000, Deduct	*-67.77*	
		For >5,000, Deduct	*-112.66*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	625.62	
		For Vinylester Resin, Add	*424.54*	
		For Epoxy Resin, Add	*50.03*	
		For Up To >10, Add	*360.66*	
		For >10 To 25, Add	*199.47*	
		For >25 To 50, Add	*150.01*	
		For >50 To 100, Add	*75.00*	
		For >500 To 1,000, Deduct	*-31.76*	
		For >1,000 To 2,000, Deduct	*-47.88*	
		For >2,000 To 5,000, Deduct	*-77.56*	
		For >5,000, Deduct	*-128.95*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	705.68	
		For Vinylester Resin, Add	*479.36*	
		For Epoxy Resin, Add	*56.50*	
		For Up To >10, Add	*405.04*	
		For >10 To 25, Add	*223.40*	
		For >25 To 50, Add	*168.28*	
		For >50 To 100, Add	*84.14*	
		For >500 To 1,000, Deduct	*-35.81*	
		For >1,000 To 2,000, Deduct	*-53.97*	
		For >2,000 To 5,000, Deduct	*-87.40*	
		For >5,000, Deduct	*-145.31*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	786.37	
		For Vinylester Resin, Add	*534.18*	
		For Epoxy Resin, Add	*62.96*	
		For Up To >10, Add	*451.34*	
		For >10 To 25, Add	*248.93*	
		For >25 To 50, Add	*187.51*	
		For >50 To 100, Add	*93.76*	
		For >500 To 1,000, Deduct	*-39.90*	
		For >1,000 To 2,000, Deduct	*-60.14*	
		For >2,000 To 5,000, Deduct	*-97.39*	
		For >5,000, Deduct	*-161.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	947.11	
		For Vinylester Resin, Add	*643.82*	
		For Epoxy Resin, Add	*75.88*	
		For Up To >10, Add	*541.98*	
		For >10 To 25, Add	*298.36*	
		For >25 To 50, Add	*225.00*	
		For >50 To 100, Add	*112.50*	
		For >500 To 1,000, Deduct	*-48.04*	
		For >1,000 To 2,000, Deduct	*-72.40*	
		For >2,000 To 5,000, Deduct	*-117.21*	
		For >5,000, Deduct	*-194.90*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,108.09	
		For Vinylester Resin, Add	*753.46*	
		For Epoxy Resin, Add	*88.80*	
		For Up To >10, Add	*633.35*	
		For >10 To 25, Add	*348.39*	
		For >25 To 50, Add	*262.85*	
		For >50 To 100, Add	*131.43*	
		For >500 To 1,000, Deduct	*-56.20*	
		For >1,000 To 2,000, Deduct	*-84.69*	
		For >2,000 To 5,000, Deduct	*-137.09*	
		For >5,000, Deduct	*-227.96*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,269.64	
		For Vinylester Resin, Add	*863.11*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*726.40*	
		For >10 To 25, Add	*399.83*	
		For >25 To 50, Add	*301.55*	
		For >50 To 100, Add	*150.77*	
		For >500 To 1,000, Deduct	*-64.40*	
		For >1,000 To 2,000, Deduct	*-97.05*	
		For >2,000 To 5,000, Deduct	*-157.12*	
		For >5,000, Deduct	*-261.25*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,430.92	
		For Vinylester Resin, Add	*972.74*	
		For Epoxy Resin, Add	*114.64*	
		For Up To >10, Add	*818.69*	
		For >10 To 25, Add	*450.63*	
		For >25 To 50, Add	*339.86*	
		For >50 To 100, Add	*169.93*	
		For >500 To 1,000, Deduct	*-72.58*	
		For >1,000 To 2,000, Deduct	*-109.38*	
		For >2,000 To 5,000, Deduct	*-177.08*	
		For >5,000, Deduct	*-294.44*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,592.22	
		For Vinylester Resin, Add	*1,082.38*	
		For Epoxy Resin, Add	*127.57*	
		For Up To >10, Add	*911.01*	
		For >10 To 25, Add	*501.47*	
		For >25 To 50, Add	*378.19*	
		For >50 To 100, Add	*189.10*	
		For >500 To 1,000, Deduct	*-80.76*	
		For >1,000 To 2,000, Deduct	*-121.71*	
		For >2,000 To 5,000, Deduct	*-197.04*	
		For >5,000, Deduct	*-327.64*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,754.48	
		For Vinylester Resin, Add	*1,192.03*	
		For Epoxy Resin, Add	*140.49*	
		For Up To >10, Add	*1,006.19*	
		For >10 To 25, Add	*554.68*	
		For >25 To 50, Add	*417.95*	
		For >50 To 100, Add	*208.98*	
		For >500 To 1,000, Deduct	*-89.01*	
		For >1,000 To 2,000, Deduct	*-134.17*	
		For >2,000 To 5,000, Deduct	*-217.24*	
		For >5,000, Deduct	*-361.21*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,915.85	
		For Vinylester Resin, Add	*1,301.66*	
		For Epoxy Resin, Add	*153.41*	
		For Up To >10, Add	*1,098.75*	
		For >10 To 25, Add	*605.71*	
		For >25 To 50, Add	*456.40*	
		For >50 To 100, Add	*228.20*	
		For >500 To 1,000, Deduct	*-97.20*	
		For >1,000 To 2,000, Deduct	*-146.51*	
		For >2,000 To 5,000, Deduct	*-237.22*	
		For >5,000, Deduct	*-394.44*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	499.56	
		For Vinylester Resin, Add	*337.95*	
		For Epoxy Resin, Add	*39.83*	
		For Up To >10, Add	*291.71*	
		For >10 To 25, Add	*162.62*	
		For >25 To 50, Add	*121.71*	
		For >50 To 100, Add	*60.86*	
		For >500 To 1,000, Deduct	*-25.40*	
		For >1,000 To 2,000, Deduct	*-38.31*	
		For >2,000 To 5,000, Deduct	*-62.13*	
		For >5,000, Deduct	*-103.27*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	585.32	
		For Vinylester Resin, Add	*396.99*	
		For Epoxy Resin, Add	*46.79*	
		For Up To >10, Add	*338.14*	
		For >10 To 25, Add	*187.26*	
		For >25 To 50, Add	*140.71*	
		For >50 To 100, Add	*70.36*	
		For >500 To 1,000, Deduct	*-29.72*	
		For >1,000 To 2,000, Deduct	*-44.81*	
		For >2,000 To 5,000, Deduct	*-72.60*	
		For >5,000, Deduct	*-120.70*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	671.34	
		For Vinylester Resin, Add	*456.04*	
		For Epoxy Resin, Add	*53.75*	
		For Up To >10, Add	*385.32*	
		For >10 To 25, Add	*212.52*	
		For >25 To 50, Add	*160.09*	
		For >50 To 100, Add	*80.04*	
		For >500 To 1,000, Deduct	*-34.06*	
		For >1,000 To 2,000, Deduct	*-51.34*	
		For >2,000 To 5,000, Deduct	*-83.14*	
		For >5,000, Deduct	*-138.24*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	757.25	
		For Vinylester Resin, Add	*515.07*	
		For Epoxy Resin, Add	*60.70*	
		For Up To >10, Add	*432.23*	
		For >10 To 25, Add	*237.55*	
		For >25 To 50, Add	*179.32*	
		For >50 To 100, Add	*89.66*	
		For >500 To 1,000, Deduct	*-38.40*	
		For >1,000 To 2,000, Deduct	*-57.87*	
		For >2,000 To 5,000, Deduct	*-93.66*	
		For >5,000, Deduct	*-155.74*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	844.06	
		For Vinylester Resin, Add	*574.11*	
		For Epoxy Resin, Add	*67.66*	
		For Up To >10, Add	*481.78*	
		For >10 To 25, Add	*264.79*	
		For >25 To 50, Add	*199.88*	
		For >50 To 100, Add	*99.94*	
		For >500 To 1,000, Deduct	*-42.80*	
		For >1,000 To 2,000, Deduct	*-64.50*	
		For >2,000 To 5,000, Deduct	*-104.39*	
		For >5,000, Deduct	*-173.59*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,017.62	
		For Vinylester Resin, Add	*692.18*	
		For Epoxy Resin, Add	*81.58*	
		For Up To >10, Add	*580.79*	
		For >10 To 25, Add	*319.18*	
		For >25 To 50, Add	*240.95*	
		For >50 To 100, Add	*120.48*	
		For >500 To 1,000, Deduct	*-51.60*	
		For >1,000 To 2,000, Deduct	*-77.76*	
		For >2,000 To 5,000, Deduct	*-125.86*	
		For >5,000, Deduct	*-209.28*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,191.21	
		For Vinylester Resin, Add	*810.26*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*679.86*	
		For >10 To 25, Add	*373.63*	
		For >25 To 50, Add	*282.05*	
		For >50 To 100, Add	*141.03*	
		For >500 To 1,000, Deduct	*-60.40*	
		For >1,000 To 2,000, Deduct	*-91.03*	
		For >2,000 To 5,000, Deduct	*-147.33*	
		For >5,000, Deduct	*-244.98*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,364.80	
		For Vinylester Resin, Add	*928.33*	
		For Epoxy Resin, Add	*109.41*	
		For Up To >10, Add	*778.93*	
		For >10 To 25, Add	*428.07*	
		For >25 To 50, Add	*323.15*	
		For >50 To 100, Add	*161.58*	
		For >500 To 1,000, Deduct	*-69.21*	
		For >1,000 To 2,000, Deduct	*-104.29*	
		For >2,000 To 5,000, Deduct	*-168.80*	
		For >5,000, Deduct	*-280.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,538.38	
		For Vinylester Resin, Add	*1,046.41*	
		For Epoxy Resin, Add	*123.33*	
		For Up To >10, Add	*877.97*	
		For >10 To 25, Add	*482.49*	
		For >25 To 50, Add	*364.24*	
		For >50 To 100, Add	*182.12*	
		For >500 To 1,000, Deduct	*-78.01*	
		For >1,000 To 2,000, Deduct	*-117.55*	
		For >2,000 To 5,000, Deduct	*-190.26*	
		For >5,000, Deduct	*-316.38*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,711.97	
		For Vinylester Resin, Add	*1,164.49*	
		For Epoxy Resin, Add	*137.24*	
		For Up To >10, Add	*977.04*	
		For >10 To 25, Add	*536.94*	
		For >25 To 50, Add	*405.34*	
		For >50 To 100, Add	*202.67*	
		For >500 To 1,000, Deduct	*-86.81*	
		For >1,000 To 2,000, Deduct	*-130.82*	
		For >2,000 To 5,000, Deduct	*-211.73*	
		For >5,000, Deduct	*-352.08*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,887.29	
		For Vinylester Resin, Add	*1,282.56*	
		For Epoxy Resin, Add	*151.16*	
		For Up To >10, Add	*1,081.30*	
		For >10 To 25, Add	*595.71*	
		For >25 To 50, Add	*449.04*	
		For >50 To 100, Add	*224.52*	
		For >500 To 1,000, Deduct	*-95.74*	
		For >1,000 To 2,000, Deduct	*-144.30*	
		For >2,000 To 5,000, Deduct	*-233.63*	
		For >5,000, Deduct	*-388.47*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,061.03	
		For Vinylester Resin, Add	*1,400.64*	
		For Epoxy Resin, Add	*165.08*	
		For Up To >10, Add	*1,180.82*	
		For >10 To 25, Add	*650.53*	
		For >25 To 50, Add	*490.36*	
		For >50 To 100, Add	*245.18*	
		For >500 To 1,000, Deduct	*-104.55*	
		For >1,000 To 2,000, Deduct	*-157.58*	
		For >2,000 To 5,000, Deduct	*-255.14*	
		For >5,000, Deduct	*-424.23*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	532.75	
		For Vinylester Resin, Add	*360.85*	
		For Epoxy Resin, Add	*42.53*	
		For Up To >10, Add	*309.50*	
		For >10 To 25, Add	*172.00*	
		For >25 To 50, Add	*128.98*	
		For >50 To 100, Add	*64.49*	
		For >500 To 1,000, Deduct	*-27.07*	
		For >1,000 To 2,000, Deduct	*-40.82*	
		For >2,000 To 5,000, Deduct	*-66.17*	
		For >5,000, Deduct	*-110.00*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	624.53	
		For Vinylester Resin, Add	*424.10*	
		For Epoxy Resin, Add	*49.98*	
		For Up To >10, Add	*358.94*	
		For >10 To 25, Add	*198.14*	
		For >25 To 50, Add	*149.18*	
		For >50 To 100, Add	*74.59*	
		For >500 To 1,000, Deduct	*-31.69*	
		For >1,000 To 2,000, Deduct	*-47.77*	
		For >2,000 To 5,000, Deduct	*-77.37*	
		For >5,000, Deduct	*-128.64*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	716.80	
		For Vinylester Resin, Add	*487.36*	
		For Epoxy Resin, Add	*57.44*	
		For Up To >10, Add	*409.83*	
		For >10 To 25, Add	*225.48*	
		For >25 To 50, Add	*170.10*	
		For >50 To 100, Add	*85.05*	
		For >500 To 1,000, Deduct	*-36.35*	
		For >1,000 To 2,000, Deduct	*-54.79*	
		For >2,000 To 5,000, Deduct	*-88.69*	
		For >5,000, Deduct	*-147.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	809.30	
		For Vinylester Resin, Add	*550.61*	
		For Epoxy Resin, Add	*64.89*	
		For Up To >10, Add	*461.43*	
		For >10 To 25, Add	*253.42*	
		For >25 To 50, Add	*191.38*	
		For >50 To 100, Add	*95.69*	
		For >500 To 1,000, Deduct	*-41.03*	
		For >1,000 To 2,000, Deduct	*-61.83*	
		For >2,000 To 5,000, Deduct	*-100.07*	
		For >5,000, Deduct	*-166.40*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	902.27	
		For Vinylester Resin, Add	*613.87*	
		For Epoxy Resin, Add	*72.35*	
		For Up To >10, Add	*514.44*	
		For >10 To 25, Add	*282.54*	
		For >25 To 50, Add	*213.37*	
		For >50 To 100, Add	*106.69*	
		For >500 To 1,000, Deduct	*-45.75*	
		For >1,000 To 2,000, Deduct	*-68.94*	
		For >2,000 To 5,000, Deduct	*-111.56*	
		For >5,000, Deduct	*-185.52*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,088.22	
		For Vinylester Resin, Add	*740.38*	
		For Epoxy Resin, Add	*87.26*	
		For Up To >10, Add	*620.46*	
		For >10 To 25, Add	*340.77*	
		For >25 To 50, Add	*257.35*	
		For >50 To 100, Add	*128.67*	
		For >500 To 1,000, Deduct	*-55.17*	
		For >1,000 To 2,000, Deduct	*-83.14*	
		For >2,000 To 5,000, Deduct	*-134.56*	
		For >5,000, Deduct	*-223.75*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,274.16	
		For Vinylester Resin, Add	*866.89*	
		For Epoxy Resin, Add	*102.17*	
		For Up To >10, Add	*726.46*	
		For >10 To 25, Add	*398.98*	
		For >25 To 50, Add	*301.31*	
		For >50 To 100, Add	*150.65*	
		For >500 To 1,000, Deduct	*-64.60*	
		For >1,000 To 2,000, Deduct	*-97.35*	
		For >2,000 To 5,000, Deduct	*-157.55*	
		For >5,000, Deduct	*-261.98*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,460.12	
		For Vinylester Resin, Add	*993.40*	
		For Epoxy Resin, Add	*117.08*	
		For Up To >10, Add	*832.51*	
		For >10 To 25, Add	*457.24*	
		For >25 To 50, Add	*345.30*	
		For >50 To 100, Add	*172.65*	
		For >500 To 1,000, Deduct	*-74.03*	
		For >1,000 To 2,000, Deduct	*-111.56*	
		For >2,000 To 5,000, Deduct	*-180.54*	
		For >5,000, Deduct	*-300.22*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,646.07	
		For Vinylester Resin, Add	*1,119.91*	
		For Epoxy Resin, Add	*131.99*	
		For Up To >10, Add	*938.54*	
		For >10 To 25, Add	*515.47*	
		For >25 To 50, Add	*389.27*	
		For >50 To 100, Add	*194.64*	
		For >500 To 1,000, Deduct	*-83.46*	
		For >1,000 To 2,000, Deduct	*-125.77*	
		For >2,000 To 5,000, Deduct	*-203.53*	
		For >5,000, Deduct	*-338.45*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,832.01	
		For Vinylester Resin, Add	*1,246.41*	
		For Epoxy Resin, Add	*146.90*	
		For Up To >10, Add	*1,044.56*	
		For >10 To 25, Add	*573.70*	
		For >25 To 50, Add	*433.25*	
		For >50 To 100, Add	*216.62*	
		For >500 To 1,000, Deduct	*-92.89*	
		For >1,000 To 2,000, Deduct	*-139.97*	
		For >2,000 To 5,000, Deduct	*-226.53*	
		For >5,000, Deduct	*-376.69*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,019.78	
		For Vinylester Resin, Add	*1,372.92*	
		For Epoxy Resin, Add	*161.81*	
		For Up To >10, Add	*1,156.04*	
		For >10 To 25, Add	*636.48*	
		For >25 To 50, Add	*479.95*	
		For >50 To 100, Add	*239.98*	
		For >500 To 1,000, Deduct	*-102.45*	
		For >1,000 To 2,000, Deduct	*-154.41*	
		For >2,000 To 5,000, Deduct	*-249.97*	
		For >5,000, Deduct	*-415.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,205.89	
		For Vinylester Resin, Add	*1,499.44*	
		For Epoxy Resin, Add	*176.72*	
		For Up To >10, Add	*1,262.55*	
		For >10 To 25, Add	*695.11*	
		For >25 To 50, Add	*524.17*	
		For >50 To 100, Add	*262.09*	
		For >500 To 1,000, Deduct	*-111.89*	
		For >1,000 To 2,000, Deduct	*-168.63*	
		For >2,000 To 5,000, Deduct	*-273.01*	
		For >5,000, Deduct	*-453.95*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	565.61	
		For Vinylester Resin, Add	*383.58*	
		For Epoxy Resin, Add	*45.21*	
		For Up To >10, Add	*326.91*	
		For >10 To 25, Add	*181.09*	
		For >25 To 50, Add	*136.05*	
		For >50 To 100, Add	*68.03*	
		For >500 To 1,000, Deduct	*-28.72*	
		For >1,000 To 2,000, Deduct	*-43.30*	
		For >2,000 To 5,000, Deduct	*-70.17*	
		For >5,000, Deduct	*-116.65*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	663.42	
		For Vinylester Resin, Add	*451.05*	
		For Epoxy Resin, Add	*53.16*	
		For Up To >10, Add	*379.36*	
		For >10 To 25, Add	*208.74*	
		For >25 To 50, Add	*157.46*	
		For >50 To 100, Add	*78.73*	
		For >500 To 1,000, Deduct	*-33.65*	
		For >1,000 To 2,000, Deduct	*-50.71*	
		For >2,000 To 5,000, Deduct	*-82.09*	
		For >5,000, Deduct	*-136.50*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	761.96	
		For Vinylester Resin, Add	*518.53*	
		For Epoxy Resin, Add	*61.11*	
		For Up To >10, Add	*434.01*	
		For >10 To 25, Add	*238.21*	
		For >25 To 50, Add	*179.97*	
		For >50 To 100, Add	*89.98*	
		For >500 To 1,000, Deduct	*-38.63*	
		For >1,000 To 2,000, Deduct	*-58.21*	
		For >2,000 To 5,000, Deduct	*-94.19*	
		For >5,000, Deduct	*-156.63*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	861.10	
		For Vinylester Resin, Add	*585.99*	
		For Epoxy Resin, Add	*69.06*	
		For Up To >10, Add	*490.48*	
		For >10 To 25, Add	*269.21*	
		For >25 To 50, Add	*203.38*	
		For >50 To 100, Add	*101.69*	
		For >500 To 1,000, Deduct	*-43.65*	
		For >1,000 To 2,000, Deduct	*-65.78*	
		For >2,000 To 5,000, Deduct	*-106.45*	
		For >5,000, Deduct	*-177.01*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	960.26	
		For Vinylester Resin, Add	*653.46*	
		For Epoxy Resin, Add	*77.02*	
		For Up To >10, Add	*546.98*	
		For >10 To 25, Add	*300.23*	
		For >25 To 50, Add	*226.81*	
		For >50 To 100, Add	*113.41*	
		For >500 To 1,000, Deduct	*-48.68*	
		For >1,000 To 2,000, Deduct	*-73.36*	
		For >2,000 To 5,000, Deduct	*-118.71*	
		For >5,000, Deduct	*-197.40*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,158.58	
		For Vinylester Resin, Add	*788.41*	
		For Epoxy Resin, Add	*92.92*	
		For Up To >10, Add	*659.99*	
		For >10 To 25, Add	*362.28*	
		For >25 To 50, Add	*273.68*	
		For >50 To 100, Add	*136.84*	
		For >500 To 1,000, Deduct	*-58.74*	
		For >1,000 To 2,000, Deduct	*-88.51*	
		For >2,000 To 5,000, Deduct	*-143.23*	
		For >5,000, Deduct	*-238.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,403.82	
		For Vinylester Resin, Add	*956.26*	
		For Epoxy Resin, Add	*112.70*	
		For Up To >10, Add	*796.26*	
		For >10 To 25, Add	*435.87*	
		For >25 To 50, Add	*329.83*	
		For >50 To 100, Add	*164.91*	
		For >500 To 1,000, Deduct	*-71.13*	
		For >1,000 To 2,000, Deduct	*-107.17*	
		For >2,000 To 5,000, Deduct	*-173.36*	
		For >5,000, Deduct	*-288.31*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,555.12	
		For Vinylester Resin, Add	*1,058.30*	
		For Epoxy Resin, Add	*124.73*	
		For Up To >10, Add	*885.74*	
		For >10 To 25, Add	*486.14*	
		For >25 To 50, Add	*367.28*	
		For >50 To 100, Add	*183.64*	
		For >500 To 1,000, Deduct	*-78.84*	
		For >1,000 To 2,000, Deduct	*-118.80*	
		For >2,000 To 5,000, Deduct	*-192.24*	
		For >5,000, Deduct	*-319.68*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,753.44	
		For Vinylester Resin, Add	*1,193.24*	
		For Epoxy Resin, Add	*140.63*	
		For Up To >10, Add	*998.75*	
		For >10 To 25, Add	*548.18*	
		For >25 To 50, Add	*414.14*	
		For >50 To 100, Add	*207.07*	
		For >500 To 1,000, Deduct	*-88.89*	
		For >1,000 To 2,000, Deduct	*-133.95*	
		For >2,000 To 5,000, Deduct	*-216.76*	
		For >5,000, Deduct	*-360.45*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,951.75	
		For Vinylester Resin, Add	*1,328.18*	
		For Epoxy Resin, Add	*156.54*	
		For Up To >10, Add	*1,111.75*	
		For >10 To 25, Add	*610.23*	
		For >25 To 50, Add	*461.01*	
		For >50 To 100, Add	*230.50*	
		For >500 To 1,000, Deduct	*-98.95*	
		For >1,000 To 2,000, Deduct	*-149.10*	
		For >2,000 To 5,000, Deduct	*-241.28*	
		For >5,000, Deduct	*-401.22*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,151.97	
		For Vinylester Resin, Add	*1,463.13*	
		For Epoxy Resin, Add	*172.44*	
		For Up To >10, Add	*1,230.46*	
		For >10 To 25, Add	*677.02*	
		For >25 To 50, Add	*510.72*	
		For >50 To 100, Add	*255.36*	
		For >500 To 1,000, Deduct	*-109.14*	
		For >1,000 To 2,000, Deduct	*-164.49*	
		For >2,000 To 5,000, Deduct	*-266.27*	
		For >5,000, Deduct	*-442.75*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,350.44	
		For Vinylester Resin, Add	*1,598.07*	
		For Epoxy Resin, Add	*188.34*	
		For Up To >10, Add	*1,343.92*	
		For >10 To 25, Add	*739.44*	
		For >25 To 50, Add	*557.81*	
		For >50 To 100, Add	*278.91*	
		For >500 To 1,000, Deduct	*-119.21*	
		For >1,000 To 2,000, Deduct	*-179.66*	
		For >2,000 To 5,000, Deduct	*-290.83*	
		For >5,000, Deduct	*-483.58*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,548.91	
		For Vinylester Resin, Add	*1,733.01*	
		For Epoxy Resin, Add	*204.25*	
		For Up To >10, Add	*1,457.41*	
		For >10 To 25, Add	*801.88*	
		For >25 To 50, Add	*604.92*	
		For >50 To 100, Add	*302.46*	
		For >500 To 1,000, Deduct	*-129.28*	
		For >1,000 To 2,000, Deduct	*-194.83*	
		For >2,000 To 5,000, Deduct	*-315.38*	
		For >5,000, Deduct	*-524.42*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,747.38	
		For Vinylester Resin, Add	*1,867.96*	
		For Epoxy Resin, Add	*220.15*	
		For Up To >10, Add	*1,570.87*	
		For >10 To 25, Add	*864.30*	
		For >25 To 50, Add	*652.01*	
		For >50 To 100, Add	*326.00*	
		For >500 To 1,000, Deduct	*-139.34*	
		For >1,000 To 2,000, Deduct	*-210.00*	
		For >2,000 To 5,000, Deduct	*-339.94*	
		For >5,000, Deduct	*-565.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0161		25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	702.31	
		For Vinylester Resin, Add	*477.83*	
		For Epoxy Resin, Add	*56.32*	
		For Up To >10, Add	*400.41*	
		For >10 To 25, Add	*219.90*	
		For >25 To 50, Add	*166.07*	
		For >50 To 100, Add	*83.04*	
		For >500 To 1,000, Deduct	*-35.61*	
		For >1,000 To 2,000, Deduct	*-53.66*	
		For >2,000 To 5,000, Deduct	*-86.84*	
		For >5,000, Deduct	*-144.40*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	807.32	
		For Vinylester Resin, Add	*549.51*	
		For Epoxy Resin, Add	*64.76*	
		For Up To >10, Add	*459.41*	
		For >10 To 25, Add	*252.01*	
		For >25 To 50, Add	*190.45*	
		For >50 To 100, Add	*95.23*	
		For >500 To 1,000, Deduct	*-40.92*	
		For >1,000 To 2,000, Deduct	*-61.66*	
		For >2,000 To 5,000, Deduct	*-99.78*	
		For >5,000, Deduct	*-165.92*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	912.68	
		For Vinylester Resin, Add	*621.21*	
		For Epoxy Resin, Add	*73.21*	
		For Up To >10, Add	*519.44*	
		For >10 To 25, Add	*284.96*	
		For >25 To 50, Add	*215.35*	
		For >50 To 100, Add	*107.67*	
		For >500 To 1,000, Deduct	*-46.27*	
		For >1,000 To 2,000, Deduct	*-69.71*	
		For >2,000 To 5,000, Deduct	*-112.80*	
		For >5,000, Deduct	*-187.58*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,017.94	
		For Vinylester Resin, Add	*692.90*	
		For Epoxy Resin, Add	*81.66*	
		For Up To >10, Add	*579.20*	
		For >10 To 25, Add	*317.69*	
		For >25 To 50, Add	*240.11*	
		For >50 To 100, Add	*120.05*	
		For >500 To 1,000, Deduct	*-51.60*	
		For >1,000 To 2,000, Deduct	*-77.75*	
		For >2,000 To 5,000, Deduct	*-125.80*	
		For >5,000, Deduct	*-209.21*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,228.61	
		For Vinylester Resin, Add	*836.27*	
		For Epoxy Resin, Add	*98.56*	
		For Up To >10, Add	*699.16*	
		For >10 To 25, Add	*383.52*	
		For >25 To 50, Add	*289.84*	
		For >50 To 100, Add	*144.92*	
		For >500 To 1,000, Deduct	*-62.28*	
		For >1,000 To 2,000, Deduct	*-93.84*	
		For >2,000 To 5,000, Deduct	*-151.85*	
		For >5,000, Deduct	*-252.51*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,439.21	
		For Vinylester Resin, Add	*979.65*	
		For Epoxy Resin, Add	*115.46*	
		For Up To >10, Add	*818.88*	
		For >10 To 25, Add	*449.15*	
		For >25 To 50, Add	*339.47*	
		For >50 To 100, Add	*169.73*	
		For >500 To 1,000, Deduct	*-72.95*	
		For >1,000 To 2,000, Deduct	*-109.93*	
		For >2,000 To 5,000, Deduct	*-177.87*	
		For >5,000, Deduct	*-295.78*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,649.90	
		For Vinylester Resin, Add	*1,123.03*	
		For Epoxy Resin, Add	*132.36*	
		For Up To >10, Add	*938.88*	
		For >10 To 25, Add	*515.01*	
		For >25 To 50, Add	*389.22*	
		For >50 To 100, Add	*194.61*	
		For >500 To 1,000, Deduct	*-83.63*	
		For >1,000 To 2,000, Deduct	*-126.02*	
		For >2,000 To 5,000, Deduct	*-203.91*	
		For >5,000, Deduct	*-339.09*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,860.49	
		For Vinylester Resin, Add	*1,266.41*	
		For Epoxy Resin, Add	*149.25*	
		For Up To >10, Add	*1,058.60*	
		For >10 To 25, Add	*580.64*	
		For >25 To 50, Add	*438.84*	
		For >50 To 100, Add	*219.42*	
		For >500 To 1,000, Deduct	*-94.31*	
		For >1,000 To 2,000, Deduct	*-142.10*	
		For >2,000 To 5,000, Deduct	*-229.93*	
		For >5,000, Deduct	*-382.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,071.17	
		For Vinylester Resin, Add	*1,409.79*	
		For Epoxy Resin, Add	*166.15*	
		For Up To >10, Add	*1,178.56*	
		For >10 To 25, Add	*646.47*	
		For >25 To 50, Add	*488.58*	
		For >50 To 100, Add	*244.29*	
		For >500 To 1,000, Deduct	*-104.99*	
		For >1,000 To 2,000, Deduct	*-158.20*	
		For >2,000 To 5,000, Deduct	*-255.98*	
		For >5,000, Deduct	*-425.67*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,284.38	
		For Vinylester Resin, Add	*1,553.16*	
		For Epoxy Resin, Add	*183.05*	
		For Up To >10, Add	*1,306.14*	
		For >10 To 25, Add	*718.65*	
		For >25 To 50, Add	*542.13*	
		For >50 To 100, Add	*271.07*	
		For >500 To 1,000, Deduct	*-115.86*	
		For >1,000 To 2,000, Deduct	*-174.61*	
		For >2,000 To 5,000, Deduct	*-282.65*	
		For >5,000, Deduct	*-469.99*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,495.31	
		For Vinylester Resin, Add	*1,696.54*	
		For Epoxy Resin, Add	*199.95*	
		For Up To >10, Add	*1,426.86*	
		For >10 To 25, Add	*785.11*	
		For >25 To 50, Add	*592.25*	
		For >50 To 100, Add	*296.12*	
		For >500 To 1,000, Deduct	*-126.56*	
		For >1,000 To 2,000, Deduct	*-190.73*	
		For >2,000 To 5,000, Deduct	*-308.76*	
		For >5,000, Deduct	*-513.40*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,706.13	
		For Vinylester Resin, Add	*1,839.92*	
		For Epoxy Resin, Add	*216.85*	
		For Up To >10, Add	*1,547.27*	
		For >10 To 25, Add	*851.31*	
		For >25 To 50, Add	*642.21*	
		For >50 To 100, Add	*321.11*	
		For >500 To 1,000, Deduct	*-137.25*	
		For >1,000 To 2,000, Deduct	*-206.84*	
		For >2,000 To 5,000, Deduct	*-334.83*	
		For >5,000, Deduct	*-556.76*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,917.05	
		For Vinylester Resin, Add	*1,983.29*	
		For Epoxy Resin, Add	*233.74*	
		For Up To >10, Add	*1,667.98*	
		For >10 To 25, Add	*917.77*	
		For >25 To 50, Add	*692.32*	
		For >50 To 100, Add	*346.16*	
		For >500 To 1,000, Deduct	*-147.95*	
		For >1,000 To 2,000, Deduct	*-222.97*	
		For >2,000 To 5,000, Deduct	*-360.94*	
		For >5,000, Deduct	*-600.17*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	740.88	
		For Vinylester Resin, Add	*504.44*	
		For Epoxy Resin, Add	*59.45*	
		For Up To >10, Add	*421.07*	
		For >10 To 25, Add	*230.78*	
		For >25 To 50, Add	*174.50*	
		For >50 To 100, Add	*87.25*	
		For >500 To 1,000, Deduct	*-37.55*	
		For >1,000 To 2,000, Deduct	*-56.58*	
		For >2,000 To 5,000, Deduct	*-91.54*	
		For >5,000, Deduct	*-152.23*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	852.41	
		For Vinylester Resin, Add	*580.35*	
		For Epoxy Resin, Add	*68.40*	
		For Up To >10, Add	*484.56*	
		For >10 To 25, Add	*265.62*	
		For >25 To 50, Add	*200.82*	
		For >50 To 100, Add	*100.41*	
		For >500 To 1,000, Deduct	*-43.20*	
		For >1,000 To 2,000, Deduct	*-65.10*	
		For >2,000 To 5,000, Deduct	*-105.32*	
		For >5,000, Deduct	*-175.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	963.94	
		For Vinylester Resin, Add	*656.26*	
		For Epoxy Resin, Add	*77.34*	
		For Up To >10, Add	*548.05*	
		For >10 To 25, Add	*300.45*	
		For >25 To 50, Add	*227.15*	
		For >50 To 100, Add	*113.57*	
		For >500 To 1,000, Deduct	*-48.86*	
		For >1,000 To 2,000, Deduct	*-73.62*	
		For >2,000 To 5,000, Deduct	*-119.11*	
		For >5,000, Deduct	*-198.07*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,075.38	
		For Vinylester Resin, Add	*732.17*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*611.27*	
		For >10 To 25, Add	*335.06*	
		For >25 To 50, Add	*253.34*	
		For >50 To 100, Add	*126.67*	
		For >500 To 1,000, Deduct	*-54.50*	
		For >1,000 To 2,000, Deduct	*-82.13*	
		For >2,000 To 5,000, Deduct	*-132.87*	
		For >5,000, Deduct	*-220.96*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,298.34	
		For Vinylester Resin, Add	*883.97*	
		For Epoxy Resin, Add	*104.18*	
		For Up To >10, Add	*737.97*	
		For >10 To 25, Add	*404.51*	
		For >25 To 50, Add	*305.84*	
		For >50 To 100, Add	*152.92*	
		For >500 To 1,000, Deduct	*-65.81*	
		For >1,000 To 2,000, Deduct	*-99.15*	
		For >2,000 To 5,000, Deduct	*-160.42*	
		For >5,000, Deduct	*-266.77*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,521.38	
		For Vinylester Resin, Add	*1,035.78*	
		For Epoxy Resin, Add	*122.07*	
		For Up To >10, Add	*864.92*	
		For >10 To 25, Add	*474.15*	
		For >25 To 50, Add	*358.47*	
		For >50 To 100, Add	*179.24*	
		For >500 To 1,000, Deduct	*-77.11*	
		For >1,000 To 2,000, Deduct	*-116.19*	
		For >2,000 To 5,000, Deduct	*-187.99*	
		For >5,000, Deduct	*-312.61*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,744.35	
		For Vinylester Resin, Add	*1,187.60*	
		For Epoxy Resin, Add	*139.97*	
		For Up To >10, Add	*991.63*	
		For >10 To 25, Add	*543.59*	
		For >25 To 50, Add	*410.98*	
		For >50 To 100, Add	*205.49*	
		For >500 To 1,000, Deduct	*-88.41*	
		For >1,000 To 2,000, Deduct	*-133.22*	
		For >2,000 To 5,000, Deduct	*-215.53*	
		For >5,000, Deduct	*-358.43*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,967.32	
		For Vinylester Resin, Add	*1,339.41*	
		For Epoxy Resin, Add	*157.86*	
		For Up To >10, Add	*1,118.36*	
		For >10 To 25, Add	*613.06*	
		For >25 To 50, Add	*463.51*	
		For >50 To 100, Add	*231.75*	
		For >500 To 1,000, Deduct	*-99.71*	
		For >1,000 To 2,000, Deduct	*-150.24*	
		For >2,000 To 5,000, Deduct	*-243.08*	
		For >5,000, Deduct	*-404.24*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,190.27	
		For Vinylester Resin, Add	*1,491.22*	
		For Epoxy Resin, Add	*175.75*	
		For Up To >10, Add	*1,245.04*	
		For >10 To 25, Add	*682.48*	
		For >25 To 50, Add	*516.00*	
		For >50 To 100, Add	*258.00*	
		For >500 To 1,000, Deduct	*-111.01*	
		For >1,000 To 2,000, Deduct	*-167.27*	
		For >2,000 To 5,000, Deduct	*-270.63*	
		For >5,000, Deduct	*-450.05*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,416.57	
		For Vinylester Resin, Add	*1,643.03*	
		For Epoxy Resin, Add	*193.64*	
		For Up To >10, Add	*1,381.74*	
		For >10 To 25, Add	*760.25*	
		For >25 To 50, Add	*573.51*	
		For >50 To 100, Add	*286.75*	
		For >500 To 1,000, Deduct	*-122.56*	
		For >1,000 To 2,000, Deduct	*-184.71*	
		For >2,000 To 5,000, Deduct	*-299.01*	
		For >5,000, Deduct	*-497.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,639.85	
		For Vinylester Resin, Add	*1,794.84*	
		For Epoxy Resin, Add	*211.53*	
		For Up To >10, Add	*1,509.40*	
		For >10 To 25, Add	*830.49*	
		For >25 To 50, Add	*626.50*	
		For >50 To 100, Add	*313.25*	
		For >500 To 1,000, Deduct	*-133.89*	
		For >1,000 To 2,000, Deduct	*-201.78*	
		For >2,000 To 5,000, Deduct	*-326.63*	
		For >5,000, Deduct	*-543.13*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,863.13	
		For Vinylester Resin, Add	*1,946.65*	
		For Epoxy Resin, Add	*229.43*	
		For Up To >10, Add	*1,637.07*	
		For >10 To 25, Add	*900.73*	
		For >25 To 50, Add	*679.49*	
		For >50 To 100, Add	*339.74*	
		For >500 To 1,000, Deduct	*-145.21*	
		For >1,000 To 2,000, Deduct	*-218.84*	
		For >2,000 To 5,000, Deduct	*-354.26*	
		For >5,000, Deduct	*-589.07*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,086.40	
		For Vinylester Resin, Add	*2,098.46*	
		For Epoxy Resin, Add	*247.32*	
		For Up To >10, Add	*1,764.70*	
		For >10 To 25, Add	*970.95*	
		For >25 To 50, Add	*732.46*	
		For >50 To 100, Add	*366.23*	
		For >500 To 1,000, Deduct	*-156.54*	
		For >1,000 To 2,000, Deduct	*-235.91*	
		For >2,000 To 5,000, Deduct	*-381.89*	
		For >5,000, Deduct	*-635.00*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	897.09	
		For Vinylester Resin, Add	*611.02*	
		For Epoxy Resin, Add	*72.01*	
		For Up To >10, Add	*509.07*	
		For >10 To 25, Add	*278.75*	
		For >25 To 50, Add	*210.89*	
		For >50 To 100, Add	*105.45*	
		For >500 To 1,000, Deduct	*-45.46*	
		For >1,000 To 2,000, Deduct	*-68.49*	
		For >2,000 To 5,000, Deduct	*-110.80*	
		For >5,000, Deduct	*-184.26*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,014.79	
		For Vinylester Resin, Add	*691.14*	
		For Epoxy Resin, Add	*81.46*	
		For Up To >10, Add	*576.02*	
		For >10 To 25, Add	*315.46*	
		For >25 To 50, Add	*238.64*	
		For >50 To 100, Add	*119.32*	
		For >500 To 1,000, Deduct	*-51.43*	
		For >1,000 To 2,000, Deduct	*-77.48*	
		For >2,000 To 5,000, Deduct	*-125.34*	
		For >5,000, Deduct	*-208.45*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,132.42	
		For Vinylester Resin, Add	*771.26*	
		For Epoxy Resin, Add	*90.90*	
		For Up To >10, Add	*642.76*	
		For >10 To 25, Add	*352.00*	
		For >25 To 50, Add	*266.29*	
		For >50 To 100, Add	*133.15*	
		For >500 To 1,000, Deduct	*-57.39*	
		For >1,000 To 2,000, Deduct	*-86.46*	
		For >2,000 To 5,000, Deduct	*-139.87*	
		For >5,000, Deduct	*-232.61*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,435.32	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*810.01*	
		For >10 To 25, Add	*441.95*	
		For >25 To 50, Add	*335.09*	
		For >50 To 100, Add	*167.54*	
		For >500 To 1,000, Deduct	*-72.69*	
		For >1,000 To 2,000, Deduct	*-109.50*	
		For >2,000 To 5,000, Deduct	*-177.04*	
		For >5,000, Deduct	*-294.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,602.99	
		For Vinylester Resin, Add	*1,091.75*	
		For Epoxy Resin, Add	*128.67*	
		For Up To >10, Add	*909.87*	
		For >10 To 25, Add	*498.29*	
		For >25 To 50, Add	*376.95*	
		For >50 To 100, Add	*188.48*	
		For >500 To 1,000, Deduct	*-81.23*	
		For >1,000 To 2,000, Deduct	*-122.39*	
		For >2,000 To 5,000, Deduct	*-197.99*	
		For >5,000, Deduct	*-329.27*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,838.25	
		For Vinylester Resin, Add	*1,252.00*	
		For Epoxy Resin, Add	*147.56*	
		For Up To >10, Add	*1,043.33*	
		For >10 To 25, Add	*571.34*	
		For >25 To 50, Add	*432.23*	
		For >50 To 100, Add	*216.12*	
		For >500 To 1,000, Deduct	*-93.15*	
		For >1,000 To 2,000, Deduct	*-140.35*	
		For >2,000 To 5,000, Deduct	*-227.05*	
		For >5,000, Deduct	*-377.59*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,073.50	
		For Vinylester Resin, Add	*1,412.24*	
		For Epoxy Resin, Add	*166.44*	
		For Up To >10, Add	*1,176.78*	
		For >10 To 25, Add	*644.40*	
		For >25 To 50, Add	*487.51*	
		For >50 To 100, Add	*243.76*	
		For >500 To 1,000, Deduct	*-105.08*	
		For >1,000 To 2,000, Deduct	*-158.31*	
		For >2,000 To 5,000, Deduct	*-256.10*	
		For >5,000, Deduct	*-425.90*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,308.75	
		For Vinylester Resin, Add	*1,572.49*	
		For Epoxy Resin, Add	*185.33*	
		For Up To >10, Add	*1,310.23*	
		For >10 To 25, Add	*717.45*	
		For >25 To 50, Add	*542.79*	
		For >50 To 100, Add	*271.40*	
		For >500 To 1,000, Deduct	*-117.00*	
		For >1,000 To 2,000, Deduct	*-176.27*	
		For >2,000 To 5,000, Deduct	*-285.15*	
		For >5,000, Deduct	*-474.22*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,547.48	
		For Vinylester Resin, Add	*1,732.73*	
		For Epoxy Resin, Add	*204.21*	
		For Up To >10, Add	*1,454.12*	
		For >10 To 25, Add	*799.21*	
		For >25 To 50, Add	*603.29*	
		For >50 To 100, Add	*301.65*	
		For >500 To 1,000, Deduct	*-129.18*	
		For >1,000 To 2,000, Deduct	*-194.67*	
		For >2,000 To 5,000, Deduct	*-315.08*	
		For >5,000, Deduct	*-523.93*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,783.04	
		For Vinylester Resin, Add	*1,892.98*	
		For Epoxy Resin, Add	*223.10*	
		For Up To >10, Add	*1,588.50*	
		For >10 To 25, Add	*873.04*	
		For >25 To 50, Add	*659.04*	
		For >50 To 100, Add	*329.52*	
		For >500 To 1,000, Deduct	*-141.12*	
		For >1,000 To 2,000, Deduct	*-212.67*	
		For >2,000 To 5,000, Deduct	*-344.21*	
		For >5,000, Deduct	*-572.37*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,018.69	
		For Vinylester Resin, Add	*2,053.22*	
		For Epoxy Resin, Add	*241.99*	
		For Up To >10, Add	*1,723.15*	
		For >10 To 25, Add	*947.09*	
		For >25 To 50, Add	*714.91*	
		For >50 To 100, Add	*357.46*	
		For >500 To 1,000, Deduct	*-153.07*	
		For >1,000 To 2,000, Deduct	*-230.68*	
		For >2,000 To 5,000, Deduct	*-373.36*	
		For >5,000, Deduct	*-620.84*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,254.26	
		For Vinylester Resin, Add	*2,213.47*	
		For Epoxy Resin, Add	*260.87*	
		For Up To >10, Add	*1,857.53*	
		For >10 To 25, Add	*1,020.93*	
		For >25 To 50, Add	*770.66*	
		For >50 To 100, Add	*385.33*	
		For >500 To 1,000, Deduct	*-165.02*	
		For >1,000 To 2,000, Deduct	*-248.68*	
		For >2,000 To 5,000, Deduct	*-402.49*	
		For >5,000, Deduct	*-669.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0202		30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	941.53	
		For Vinylester Resin, Add	*641.52*	
		For Epoxy Resin, Add	*75.61*	
		For Up To >10, Add	*533.47*	
		For >10 To 25, Add	*291.81*	
		For >25 To 50, Add	*220.91*	
		For >50 To 100, Add	*110.46*	
		For >500 To 1,000, Deduct	*-47.70*	
		For >1,000 To 2,000, Deduct	*-71.87*	
		For >2,000 To 5,000, Deduct	*-116.24*	
		For >5,000, Deduct	*-193.32*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,065.34	
		For Vinylester Resin, Add	*725.86*	
		For Epoxy Resin, Add	*85.55*	
		For Up To >10, Add	*603.67*	
		For >10 To 25, Add	*330.24*	
		For >25 To 50, Add	*249.99*	
		For >50 To 100, Add	*124.99*	
		For >500 To 1,000, Deduct	*-53.98*	
		For >1,000 To 2,000, Deduct	*-81.32*	
		For >2,000 To 5,000, Deduct	*-131.53*	
		For >5,000, Deduct	*-218.75*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,189.13	
		For Vinylester Resin, Add	*810.19*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*673.87*	
		For >10 To 25, Add	*368.65*	
		For >25 To 50, Add	*279.06*	
		For >50 To 100, Add	*139.53*	
		For >500 To 1,000, Deduct	*-60.25*	
		For >1,000 To 2,000, Deduct	*-90.77*	
		For >2,000 To 5,000, Deduct	*-146.82*	
		For >5,000, Deduct	*-244.17*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,436.67	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*814.06*	
		For >10 To 25, Add	*445.32*	
		For >25 To 50, Add	*337.11*	
		For >50 To 100, Add	*168.56*	
		For >500 To 1,000, Deduct	*-72.79*	
		For >1,000 To 2,000, Deduct	*-109.66*	
		For >2,000 To 5,000, Deduct	*-177.38*	
		For >5,000, Deduct	*-294.99*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,684.28	
		For Vinylester Resin, Add	*1,147.55*	
		For Epoxy Resin, Add	*135.25*	
		For Up To >10, Add	*954.47*	
		For >10 To 25, Add	*522.16*	
		For >25 To 50, Add	*395.27*	
		For >50 To 100, Add	*197.63*	
		For >500 To 1,000, Deduct	*-85.34*	
		For >1,000 To 2,000, Deduct	*-128.57*	
		For >2,000 To 5,000, Deduct	*-207.95*	
		For >5,000, Deduct	*-345.84*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,931.83	
		For Vinylester Resin, Add	*1,316.23*	
		For Epoxy Resin, Add	*155.13*	
		For Up To >10, Add	*1,094.67*	
		For >10 To 25, Add	*598.83*	
		For >25 To 50, Add	*453.32*	
		For >50 To 100, Add	*226.66*	
		For >500 To 1,000, Deduct	*-97.88*	
		For >1,000 To 2,000, Deduct	*-147.46*	
		For >2,000 To 5,000, Deduct	*-238.51*	
		For >5,000, Deduct	*-396.67*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,179.45	
		For Vinylester Resin, Add	*1,484.91*	
		For Epoxy Resin, Add	*175.01*	
		For Up To >10, Add	*1,235.10*	
		For >10 To 25, Add	*675.70*	
		For >25 To 50, Add	*511.49*	
		For >50 To 100, Add	*255.74*	
		For >500 To 1,000, Deduct	*-110.43*	
		For >1,000 To 2,000, Deduct	*-166.37*	
		For >2,000 To 5,000, Deduct	*-269.09*	
		For >5,000, Deduct	*-447.52*	
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,426.98	
		For Vinylester Resin, Add	*1,653.59*	
		For Epoxy Resin, Add	*194.89*	
		For Up To >10, Add	*1,375.27*	
		For >10 To 25, Add	*752.34*	
		For >25 To 50, Add	*569.52*	
		For >50 To 100, Add	*284.76*	
		For >500 To 1,000, Deduct	*-122.97*	
		For >1,000 To 2,000, Deduct	*-185.26*	
		For >2,000 To 5,000, Deduct	*-299.65*	
		For >5,000, Deduct	*-498.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,678.15	
		For Vinylester Resin, Add	*1,822.27*	
		For Epoxy Resin, Add	*214.77*	
		For Up To >10, Add	*1,526.35*	
		For >10 To 25, Add	*838.09*	
		For >25 To 50, Add	*633.01*	
		For >50 To 100, Add	*316.51*	
		For >500 To 1,000, Deduct	*-135.78*	
		For >1,000 To 2,000, Deduct	*-204.61*	
		For >2,000 To 5,000, Deduct	*-331.12*	
		For >5,000, Deduct	*-550.61*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,926.01	
		For Vinylester Resin, Add	*1,990.95*	
		For Epoxy Resin, Add	*234.65*	
		For Up To >10, Add	*1,667.51*	
		For >10 To 25, Add	*915.55*	
		For >25 To 50, Add	*691.54*	
		For >50 To 100, Add	*345.77*	
		For >500 To 1,000, Deduct	*-148.35*	
		For >1,000 To 2,000, Deduct	*-223.54*	
		For >2,000 To 5,000, Deduct	*-361.76*	
		For >5,000, Deduct	*-601.56*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,173.95	
		For Vinylester Resin, Add	*2,159.63*	
		For Epoxy Resin, Add	*254.53*	
		For Up To >10, Add	*1,808.90*	
		For >10 To 25, Add	*993.22*	
		For >25 To 50, Add	*750.19*	
		For >50 To 100, Add	*375.10*	
		For >500 To 1,000, Deduct	*-160.92*	
		For >1,000 To 2,000, Deduct	*-242.48*	
		For >2,000 To 5,000, Deduct	*-392.41*	
		For >5,000, Deduct	*-652.54*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,421.88	
		For Vinylester Resin, Add	*2,328.31*	
		For Epoxy Resin, Add	*274.41*	
		For Up To >10, Add	*1,950.27*	
		For >10 To 25, Add	*1,070.86*	
		For >25 To 50, Add	*808.83*	
		For >50 To 100, Add	*404.41*	
		For >500 To 1,000, Deduct	*-173.49*	
		For >1,000 To 2,000, Deduct	*-261.43*	
		For >2,000 To 5,000, Deduct	*-423.07*	
		For >5,000, Deduct	*-703.52*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,669.73	
		For Vinylester Resin, Add	*2,496.98*	
		For Epoxy Resin, Add	*294.29*	
		For Up To >10, Add	*2,091.39*	
		For >10 To 25, Add	*1,148.31*	
		For >25 To 50, Add	*867.34*	
		For >50 To 100, Add	*433.67*	
		For >500 To 1,000, Deduct	*-186.05*	
		For >1,000 To 2,000, Deduct	*-280.36*	
		For >2,000 To 5,000, Deduct	*-453.71*	
		For >5,000, Deduct	*-754.47*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,917.66	
		For Vinylester Resin, Add	*2,665.66*	
		For Epoxy Resin, Add	*314.17*	
		For Up To >10, Add	*2,232.76*	
		For >10 To 25, Add	*1,225.95*	
		For >25 To 50, Add	*925.97*	
		For >50 To 100, Add	*462.99*	
		For >500 To 1,000, Deduct	*-198.62*	
		For >1,000 To 2,000, Deduct	*-299.30*	
		For >2,000 To 5,000, Deduct	*-484.36*	
		For >5,000, Deduct	*-805.45*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	985.73	
		For Vinylester Resin, Add	*671.85*	
		For Epoxy Resin, Add	*79.18*	
		For Up To >10, Add	*557.74*	
		For >10 To 25, Add	*304.82*	
		For >25 To 50, Add	*230.88*	
		For >50 To 100, Add	*115.44*	
		For >500 To 1,000, Deduct	*-49.94*	
		For >1,000 To 2,000, Deduct	*-75.23*	
		For >2,000 To 5,000, Deduct	*-121.66*	
		For >5,000, Deduct	*-202.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,115.64	
		For Vinylester Resin, Add	*760.40*	
		For Epoxy Resin, Add	*89.62*	
		For Up To >10, Add	*631.20*	
		For >10 To 25, Add	*344.95*	
		For >25 To 50, Add	*261.28*	
		For >50 To 100, Add	*130.64*	
		For >500 To 1,000, Deduct	*-56.52*	
		For >1,000 To 2,000, Deduct	*-85.14*	
		For >2,000 To 5,000, Deduct	*-137.69*	
		For >5,000, Deduct	*-229.00*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,245.54	
		For Vinylester Resin, Add	*848.95*	
		For Epoxy Resin, Add	*100.06*	
		For Up To >10, Add	*704.65*	
		For >10 To 25, Add	*385.07*	
		For >25 To 50, Add	*291.68*	
		For >50 To 100, Add	*145.84*	
		For >500 To 1,000, Deduct	*-63.10*	
		For >1,000 To 2,000, Deduct	*-95.05*	
		For >2,000 To 5,000, Deduct	*-153.72*	
		For >5,000, Deduct	*-255.66*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,505.44	
		For Vinylester Resin, Add	*1,026.07*	
		For Epoxy Resin, Add	*120.93*	
		For Up To >10, Add	*851.80*	
		For >10 To 25, Add	*465.53*	
		For >25 To 50, Add	*352.61*	
		For >50 To 100, Add	*176.30*	
		For >500 To 1,000, Deduct	*-76.26*	
		For >1,000 To 2,000, Deduct	*-114.89*	
		For >2,000 To 5,000, Deduct	*-185.80*	
		For >5,000, Deduct	*-309.01*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,765.28	
		For Vinylester Resin, Add	*1,203.19*	
		For Epoxy Resin, Add	*141.80*	
		For Up To >10, Add	*998.74*	
		For >10 To 25, Add	*545.81*	
		For >25 To 50, Add	*413.43*	
		For >50 To 100, Add	*206.71*	
		For >500 To 1,000, Deduct	*-89.43*	
		For >1,000 To 2,000, Deduct	*-134.72*	
		For >2,000 To 5,000, Deduct	*-217.87*	
		For >5,000, Deduct	*-362.34*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,025.18	
		For Vinylester Resin, Add	*1,380.30*	
		For Epoxy Resin, Add	*162.68*	
		For Up To >10, Add	*1,145.89*	
		For >10 To 25, Add	*626.27*	
		For >25 To 50, Add	*474.35*	
		For >50 To 100, Add	*237.18*	
		For >500 To 1,000, Deduct	*-102.59*	
		For >1,000 To 2,000, Deduct	*-154.55*	
		For >2,000 To 5,000, Deduct	*-249.95*	
		For >5,000, Deduct	*-415.70*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,284.99	
		For Vinylester Resin, Add	*1,557.41*	
		For Epoxy Resin, Add	*183.55*	
		For Up To >10, Add	*1,292.80*	
		For >10 To 25, Add	*706.52*	
		For >25 To 50, Add	*535.15*	
		For >50 To 100, Add	*267.58*	
		For >500 To 1,000, Deduct	*-115.75*	
		For >1,000 To 2,000, Deduct	*-174.38*	
		For >2,000 To 5,000, Deduct	*-282.01*	
		For >5,000, Deduct	*-469.02*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,544.81	
		For Vinylester Resin, Add	*1,734.52*	
		For Epoxy Resin, Add	*204.43*	
		For Up To >10, Add	*1,439.71*	
		For >10 To 25, Add	*786.77*	
		For >25 To 50, Add	*595.96*	
		For >50 To 100, Add	*297.98*	
		For >500 To 1,000, Deduct	*-128.91*	
		For >1,000 To 2,000, Deduct	*-194.21*	
		For >2,000 To 5,000, Deduct	*-314.08*	
		For >5,000, Deduct	*-522.35*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,808.44	
		For Vinylester Resin, Add	*1,911.64*	
		For Epoxy Resin, Add	*225.30*	
		For Up To >10, Add	*1,598.05*	
		For >10 To 25, Add	*876.55*	
		For >25 To 50, Add	*662.48*	
		For >50 To 100, Add	*331.24*	
		For >500 To 1,000, Deduct	*-142.36*	
		For >1,000 To 2,000, Deduct	*-214.51*	
		For >2,000 To 5,000, Deduct	*-347.09*	
		For >5,000, Deduct	*-577.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,089.12	
		For Vinylester Resin, Add	*2,103.02*	
		For Epoxy Resin, Add	*247.86*	
		For Up To >10, Add	*1,756.59*	
		For >10 To 25, Add	*963.10*	
		For >25 To 50, Add	*728.08*	
		For >50 To 100, Add	*364.04*	
		For >500 To 1,000, Deduct	*-156.58*	
		For >1,000 To 2,000, Deduct	*-235.92*	
		For >2,000 To 5,000, Deduct	*-381.72*	
		For >5,000, Deduct	*-634.79*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,328.80	
		For Vinylester Resin, Add	*2,265.87*	
		For Epoxy Resin, Add	*267.05*	
		For Up To >10, Add	*1,894.03*	
		For >10 To 25, Add	*1,038.86*	
		For >25 To 50, Add	*785.17*	
		For >50 To 100, Add	*392.58*	
		For >500 To 1,000, Deduct	*-168.74*	
		For >1,000 To 2,000, Deduct	*-254.25*	
		For >2,000 To 5,000, Deduct	*-411.40*	
		For >5,000, Deduct	*-684.13*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,589.02	
		For Vinylester Resin, Add	*2,442.98*	
		For Epoxy Resin, Add	*287.92*	
		For Up To >10, Add	*2,042.14*	
		For >10 To 25, Add	*1,120.12*	
		For >25 To 50, Add	*846.57*	
		For >50 To 100, Add	*423.28*	
		For >500 To 1,000, Deduct	*-181.93*	
		For >1,000 To 2,000, Deduct	*-274.13*	
		For >2,000 To 5,000, Deduct	*-443.56*	
		For >5,000, Deduct	*-737.61*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,849.15	
		For Vinylester Resin, Add	*2,620.09*	
		For Epoxy Resin, Add	*308.80*	
		For Up To >10, Add	*2,189.98*	
		For >10 To 25, Add	*1,201.15*	
		For >25 To 50, Add	*907.84*	
		For >50 To 100, Add	*453.92*	
		For >500 To 1,000, Deduct	*-195.11*	
		For >1,000 To 2,000, Deduct	*-293.99*	
		For >2,000 To 5,000, Deduct	*-475.70*	
		For >5,000, Deduct	*-791.06*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,109.37	
		For Vinylester Resin, Add	*2,797.20*	
		For Epoxy Resin, Add	*329.67*	
		For Up To >10, Add	*2,338.11*	
		For >10 To 25, Add	*1,282.43*	
		For >25 To 50, Add	*969.26*	
		For >50 To 100, Add	*484.63*	
		For >500 To 1,000, Deduct	*-208.30*	
		For >1,000 To 2,000, Deduct	*-313.87*	
		For >2,000 To 5,000, Deduct	*-507.86*	
		For >5,000, Deduct	*-844.55*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,029.62	
		For Vinylester Resin, Add	*702.02*	
		For Epoxy Resin, Add	*82.74*	
		For Up To >10, Add	*581.66*	
		For >10 To 25, Add	*317.57*	
		For >25 To 50, Add	*240.69*	
		For >50 To 100, Add	*120.34*	
		For >500 To 1,000, Deduct	*-52.15*	
		For >1,000 To 2,000, Deduct	*-78.56*	
		For >2,000 To 5,000, Deduct	*-127.03*	
		For >5,000, Deduct	*-211.27*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,165.70	
		For Vinylester Resin, Add	*794.78*	
		For Epoxy Resin, Add	*93.67*	
		For Up To >10, Add	*658.60*	
		For >10 To 25, Add	*359.60*	
		For >25 To 50, Add	*272.53*	
		For >50 To 100, Add	*136.27*	
		For >500 To 1,000, Deduct	*-59.04*	
		For >1,000 To 2,000, Deduct	*-88.94*	
		For >2,000 To 5,000, Deduct	*-143.82*	
		For >5,000, Deduct	*-239.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,301.72	
		For Vinylester Resin, Add	*887.56*	
		For Epoxy Resin, Add	*104.61*	
		For Up To >10, Add	*735.31*	
		For >10 To 25, Add	*401.44*	
		For >25 To 50, Add	*304.26*	
		For >50 To 100, Add	*152.13*	
		For >500 To 1,000, Deduct	*-65.93*	
		For >1,000 To 2,000, Deduct	*-99.32*	
		For >2,000 To 5,000, Deduct	*-160.60*	
		For >5,000, Deduct	*-267.10*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,573.91	
		For Vinylester Resin, Add	*1,073.11*	
		For Epoxy Resin, Add	*126.47*	
		For Up To >10, Add	*889.21*	
		For >10 To 25, Add	*485.50*	
		For >25 To 50, Add	*367.95*	
		For >50 To 100, Add	*183.98*	
		For >500 To 1,000, Deduct	*-79.72*	
		For >1,000 To 2,000, Deduct	*-120.09*	
		For >2,000 To 5,000, Deduct	*-194.19*	
		For >5,000, Deduct	*-322.96*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,846.01	
		For Vinylester Resin, Add	*1,258.65*	
		For Epoxy Resin, Add	*148.34*	
		For Up To >10, Add	*1,042.86*	
		For >10 To 25, Add	*569.37*	
		For >25 To 50, Add	*431.52*	
		For >50 To 100, Add	*215.76*	
		For >500 To 1,000, Deduct	*-93.50*	
		For >1,000 To 2,000, Deduct	*-140.85*	
		For >2,000 To 5,000, Deduct	*-227.75*	
		For >5,000, Deduct	*-378.79*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,118.21	
		For Vinylester Resin, Add	*1,444.21*	
		For Epoxy Resin, Add	*170.21*	
		For Up To >10, Add	*1,196.76*	
		For >10 To 25, Add	*653.44*	
		For >25 To 50, Add	*495.22*	
		For >50 To 100, Add	*247.61*	
		For >500 To 1,000, Deduct	*-107.29*	
		For >1,000 To 2,000, Deduct	*-161.62*	
		For >2,000 To 5,000, Deduct	*-261.34*	
		For >5,000, Deduct	*-434.65*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,390.31	
		For Vinylester Resin, Add	*1,629.75*	
		For Epoxy Resin, Add	*192.08*	
		For Up To >10, Add	*1,350.41*	
		For >10 To 25, Add	*737.30*	
		For >25 To 50, Add	*558.79*	
		For >50 To 100, Add	*279.40*	
		For >500 To 1,000, Deduct	*-121.07*	
		For >1,000 To 2,000, Deduct	*-182.38*	
		For >2,000 To 5,000, Deduct	*-294.91*	
		For >5,000, Deduct	*-490.48*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,662.42	
		For Vinylester Resin, Add	*1,815.30*	
		For Epoxy Resin, Add	*213.95*	
		For Up To >10, Add	*1,504.06*	
		For >10 To 25, Add	*821.17*	
		For >25 To 50, Add	*622.37*	
		For >50 To 100, Add	*311.18*	
		For >500 To 1,000, Deduct	*-134.85*	
		For >1,000 To 2,000, Deduct	*-203.14*	
		For >2,000 To 5,000, Deduct	*-328.48*	
		For >5,000, Deduct	*-546.31*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,938.40	
		For Vinylester Resin, Add	*2,000.84*	
		For Epoxy Resin, Add	*235.81*	
		For Up To >10, Add	*1,669.35*	
		For >10 To 25, Add	*914.74*	
		For >25 To 50, Add	*691.76*	
		For >50 To 100, Add	*345.88*	
		For >500 To 1,000, Deduct	*-148.92*	
		For >1,000 To 2,000, Deduct	*-224.38*	
		For >2,000 To 5,000, Deduct	*-363.02*	
		For >5,000, Deduct	*-603.69*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,211.16	
		For Vinylester Resin, Add	*2,186.39*	
		For Epoxy Resin, Add	*257.68*	
		For Up To >10, Add	*1,824.93*	
		For >10 To 25, Add	*1,000.21*	
		For >25 To 50, Add	*756.29*	
		For >50 To 100, Add	*378.15*	
		For >500 To 1,000, Deduct	*-162.75*	
		For >1,000 To 2,000, Deduct	*-245.22*	
		For >2,000 To 5,000, Deduct	*-396.75*	
		For >5,000, Deduct	*-659.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,483.33	
		For Vinylester Resin, Add	*2,371.94*	
		For Epoxy Resin, Add	*279.55*	
		For Up To >10, Add	*1,978.79*	
		For >10 To 25, Add	*1,084.25*	
		For >25 To 50, Add	*819.97*	
		For >50 To 100, Add	*409.99*	
		For >500 To 1,000, Deduct	*-176.54*	
		For >1,000 To 2,000, Deduct	*-265.99*	
		For >2,000 To 5,000, Deduct	*-430.33*	
		For >5,000, Deduct	*-715.64*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,755.85	
		For Vinylester Resin, Add	*2,557.49*	
		For Epoxy Resin, Add	*301.42*	
		For Up To >10, Add	*2,133.68*	
		For >10 To 25, Add	*1,169.14*	
		For >25 To 50, Add	*884.16*	
		For >50 To 100, Add	*442.08*	
		For >500 To 1,000, Deduct	*-190.35*	
		For >1,000 To 2,000, Deduct	*-286.80*	
		For >2,000 To 5,000, Deduct	*-464.00*	
		For >5,000, Deduct	*-771.63*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,028.34	
		For Vinylester Resin, Add	*2,743.03*	
		For Epoxy Resin, Add	*323.29*	
		For Up To >10, Add	*2,288.50*	
		For >10 To 25, Add	*1,253.98*	
		For >25 To 50, Add	*948.32*	
		For >50 To 100, Add	*474.16*	
		For >500 To 1,000, Deduct	*-204.16*	
		For >1,000 To 2,000, Deduct	*-307.61*	
		For >2,000 To 5,000, Deduct	*-497.67*	
		For >5,000, Deduct	*-827.61*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,300.85	
		For Vinylester Resin, Add	*2,928.58*	
		For Epoxy Resin, Add	*345.15*	
		For Up To >10, Add	*2,443.35*	
		For >10 To 25, Add	*1,338.85*	
		For >25 To 50, Add	*1,012.49*	
		For >50 To 100, Add	*506.25*	
		For >500 To 1,000, Deduct	*-217.97*	
		For >1,000 To 2,000, Deduct	*-328.42*	
		For >2,000 To 5,000, Deduct	*-531.33*	
		For >5,000, Deduct	*-883.60*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,215.30	
		For Vinylester Resin, Add	*829.00*	
		For Epoxy Resin, Add	*97.70*	
		For Up To >10, Add	*685.18*	
		For >10 To 25, Add	*373.60*	
		For >25 To 50, Add	*283.37*	
		For >50 To 100, Add	*141.69*	
		For >500 To 1,000, Deduct	*-61.54*	
		For >1,000 To 2,000, Deduct	*-92.70*	
		For >2,000 To 5,000, Deduct	*-149.87*	
		For >5,000, Deduct	*-249.26*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,357.49	
		For Vinylester Resin, Add	*925.99*	
		For Epoxy Resin, Add	*109.13*	
		For Up To >10, Add	*765.37*	
		For >10 To 25, Add	*417.34*	
		For >25 To 50, Add	*316.54*	
		For >50 To 100, Add	*158.27*	
		For >500 To 1,000, Deduct	*-68.74*	
		For >1,000 To 2,000, Deduct	*-103.54*	
		For >2,000 To 5,000, Deduct	*-167.40*	
		For >5,000, Deduct	*-278.43*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,641.90	
		For Vinylester Resin, Add	*1,119.98*	
		For Epoxy Resin, Add	*132.00*	
		For Up To >10, Add	*925.78*	
		For >10 To 25, Add	*504.82*	
		For >25 To 50, Add	*382.89*	
		For >50 To 100, Add	*191.44*	
		For >500 To 1,000, Deduct	*-83.14*	
		For >1,000 To 2,000, Deduct	*-125.24*	
		For >2,000 To 5,000, Deduct	*-202.48*	
		For >5,000, Deduct	*-336.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,926.21	
		For Vinylester Resin, Add	*1,313.96*	
		For Epoxy Resin, Add	*154.86*	
		For Up To >10, Add	*1,085.93*	
		For >10 To 25, Add	*592.10*	
		For >25 To 50, Add	*449.11*	
		For >50 To 100, Add	*224.56*	
		For >500 To 1,000, Deduct	*-97.54*	
		For >1,000 To 2,000, Deduct	*-146.92*	
		For >2,000 To 5,000, Deduct	*-237.53*	
		For >5,000, Deduct	*-395.07*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,210.60	
		For Vinylester Resin, Add	*1,507.93*	
		For Epoxy Resin, Add	*177.72*	
		For Up To >10, Add	*1,246.33*	
		For >10 To 25, Add	*679.57*	
		For >25 To 50, Add	*515.45*	
		For >50 To 100, Add	*257.73*	
		For >500 To 1,000, Deduct	*-111.94*	
		For >1,000 To 2,000, Deduct	*-168.62*	
		For >2,000 To 5,000, Deduct	*-272.61*	
		For >5,000, Deduct	*-453.40*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,494.92	
		For Vinylester Resin, Add	*1,701.92*	
		For Epoxy Resin, Add	*200.58*	
		For Up To >10, Add	*1,406.49*	
		For >10 To 25, Add	*766.85*	
		For >25 To 50, Add	*581.68*	
		For >50 To 100, Add	*290.84*	
		For >500 To 1,000, Deduct	*-126.34*	
		For >1,000 To 2,000, Deduct	*-190.30*	
		For >2,000 To 5,000, Deduct	*-307.66*	
		For >5,000, Deduct	*-511.71*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,779.31	
		For Vinylester Resin, Add	*1,895.90*	
		For Epoxy Resin, Add	*223.45*	
		For Up To >10, Add	*1,566.86*	
		For >10 To 25, Add	*854.31*	
		For >25 To 50, Add	*648.01*	
		For >50 To 100, Add	*324.00*	
		For >500 To 1,000, Deduct	*-140.74*	
		For >1,000 To 2,000, Deduct	*-211.99*	
		For >2,000 To 5,000, Deduct	*-342.73*	
		For >5,000, Deduct	*-570.04*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,067.58	
		For Vinylester Resin, Add	*2,089.88*	
		For Epoxy Resin, Add	*246.31*	
		For Up To >10, Add	*1,738.89*	
		For >10 To 25, Add	*951.49*	
		For >25 To 50, Add	*720.17*	
		For >50 To 100, Add	*360.08*	
		For >500 To 1,000, Deduct	*-155.43*	
		For >1,000 To 2,000, Deduct	*-234.17*	
		For >2,000 To 5,000, Deduct	*-378.77*	
		For >5,000, Deduct	*-629.92*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,352.44	
		For Vinylester Resin, Add	*2,283.86*	
		For Epoxy Resin, Add	*269.17*	
		For Up To >10, Add	*1,900.70*	
		For >10 To 25, Add	*1,040.14*	
		For >25 To 50, Add	*787.22*	
		For >50 To 100, Add	*393.61*	
		For >500 To 1,000, Deduct	*-169.87*	
		For >1,000 To 2,000, Deduct	*-255.92*	
		For >2,000 To 5,000, Deduct	*-413.97*	
		For >5,000, Deduct	*-688.45*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,635.73	
		For Vinylester Resin, Add	*2,477.84*	
		For Epoxy Resin, Add	*292.03*	
		For Up To >10, Add	*2,057.77*	
		For >10 To 25, Add	*1,124.84*	
		For >25 To 50, Add	*851.89*	
		For >50 To 100, Add	*425.95*	
		For >500 To 1,000, Deduct	*-184.19*	
		For >1,000 To 2,000, Deduct	*-277.48*	
		For >2,000 To 5,000, Deduct	*-448.76*	
		For >5,000, Deduct	*-746.34*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,921.79	
		For Vinylester Resin, Add	*2,671.82*	
		For Epoxy Resin, Add	*314.89*	
		For Up To >10, Add	*2,223.15*	
		For >10 To 25, Add	*1,216.47*	
		For >25 To 50, Add	*920.73*	
		For >50 To 100, Add	*460.36*	
		For >500 To 1,000, Deduct	*-198.71*	
		For >1,000 To 2,000, Deduct	*-299.38*	
		For >2,000 To 5,000, Deduct	*-484.25*	
		For >5,000, Deduct	*-805.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,206.50	
		For Vinylester Resin, Add	*2,865.81*	
		For Epoxy Resin, Add	*337.76*	
		For Up To >10, Add	*2,384.48*	
		For >10 To 25, Add	*1,304.73*	
		For >25 To 50, Add	*987.54*	
		For >50 To 100, Add	*493.77*	
		For >500 To 1,000, Deduct	*-213.14*	
		For >1,000 To 2,000, Deduct	*-321.11*	
		For >2,000 To 5,000, Deduct	*-519.40*	
		For >5,000, Deduct	*-863.80*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,491.21	
		For Vinylester Resin, Add	*3,059.78*	
		For Epoxy Resin, Add	*360.62*	
		For Up To >10, Add	*2,545.83*	
		For >10 To 25, Add	*1,393.01*	
		For >25 To 50, Add	*1,054.36*	
		For >50 To 100, Add	*527.18*	
		For >500 To 1,000, Deduct	*-227.56*	
		For >1,000 To 2,000, Deduct	*-342.85*	
		For >2,000 To 5,000, Deduct	*-554.56*	
		For >5,000, Deduct	*-922.26*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,264.65	
		For Vinylester Resin, Add	*863.05*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*711.63*	
		For >10 To 25, Add	*387.53*	
		For >25 To 50, Add	*294.17*	
		For >50 To 100, Add	*147.08*	
		For >500 To 1,000, Deduct	*-64.03*	
		For >1,000 To 2,000, Deduct	*-96.43*	
		For >2,000 To 5,000, Deduct	*-155.88*	
		For >5,000, Deduct	*-259.27*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,412.95	
		For Vinylester Resin, Add	*964.26*	
		For Epoxy Resin, Add	*113.64*	
		For Up To >10, Add	*795.08*	
		For >10 To 25, Add	*432.98*	
		For >25 To 50, Add	*328.66*	
		For >50 To 100, Add	*164.33*	
		For >500 To 1,000, Deduct	*-71.53*	
		For >1,000 To 2,000, Deduct	*-107.74*	
		For >2,000 To 5,000, Deduct	*-174.16*	
		For >5,000, Deduct	*-289.68*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,709.56	
		For Vinylester Resin, Add	*1,166.68*	
		For Epoxy Resin, Add	*137.50*	
		For Up To >10, Add	*961.98*	
		For >10 To 25, Add	*523.87*	
		For >25 To 50, Add	*397.66*	
		For >50 To 100, Add	*198.83*	
		For >500 To 1,000, Deduct	*-86.55*	
		For >1,000 To 2,000, Deduct	*-130.36*	
		For >2,000 To 5,000, Deduct	*-210.72*	
		For >5,000, Deduct	*-350.49*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,006.16	
		For Vinylester Resin, Add	*1,369.10*	
		For Epoxy Resin, Add	*161.36*	
		For Up To >10, Add	*1,128.86*	
		For >10 To 25, Add	*614.74*	
		For >25 To 50, Add	*466.64*	
		For >50 To 100, Add	*233.32*	
		For >500 To 1,000, Deduct	*-101.57*	
		For >1,000 To 2,000, Deduct	*-152.98*	
		For >2,000 To 5,000, Deduct	*-247.28*	
		For >5,000, Deduct	*-411.29*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,302.69	
		For Vinylester Resin, Add	*1,571.51*	
		For Epoxy Resin, Add	*185.21*	
		For Up To >10, Add	*1,295.55*	
		For >10 To 25, Add	*705.45*	
		For >25 To 50, Add	*535.52*	
		For >50 To 100, Add	*267.76*	
		For >500 To 1,000, Deduct	*-116.58*	
		For >1,000 To 2,000, Deduct	*-175.59*	
		For >2,000 To 5,000, Deduct	*-283.82*	
		For >5,000, Deduct	*-472.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,599.29	
		For Vinylester Resin, Add	*1,773.93*	
		For Epoxy Resin, Add	*209.07*	
		For Up To >10, Add	*1,462.42*	
		For >10 To 25, Add	*796.32*	
		For >25 To 50, Add	*604.50*	
		For >50 To 100, Add	*302.25*	
		For >500 To 1,000, Deduct	*-131.59*	
		For >1,000 To 2,000, Deduct	*-198.20*	
		For >2,000 To 5,000, Deduct	*-320.38*	
		For >5,000, Deduct	*-532.88*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,895.89	
		For Vinylester Resin, Add	*1,976.34*	
		For Epoxy Resin, Add	*232.93*	
		For Up To >10, Add	*1,629.32*	
		For >10 To 25, Add	*887.21*	
		For >25 To 50, Add	*673.49*	
		For >50 To 100, Add	*336.75*	
		For >500 To 1,000, Deduct	*-146.61*	
		For >1,000 To 2,000, Deduct	*-220.82*	
		For >2,000 To 5,000, Deduct	*-356.94*	
		For >5,000, Deduct	*-593.69*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,196.52	
		For Vinylester Resin, Add	*2,178.75*	
		For Epoxy Resin, Add	*256.78*	
		For Up To >10, Add	*1,808.31*	
		For >10 To 25, Add	*988.18*	
		For >25 To 50, Add	*748.53*	
		For >50 To 100, Add	*374.27*	
		For >500 To 1,000, Deduct	*-161.93*	
		For >1,000 To 2,000, Deduct	*-243.94*	
		For >2,000 To 5,000, Deduct	*-394.51*	
		For >5,000, Deduct	*-656.11*	
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,493.52	
		For Vinylester Resin, Add	*2,381.17*	
		For Epoxy Resin, Add	*280.64*	
		For Up To >10, Add	*1,976.39*	
		For >10 To 25, Add	*1,080.04*	
		For >25 To 50, Add	*818.11*	
		For >50 To 100, Add	*409.05*	
		For >500 To 1,000, Deduct	*-176.97*	
		For >1,000 To 2,000, Deduct	*-266.61*	
		For >2,000 To 5,000, Deduct	*-431.16*	
		For >5,000, Deduct	*-717.07*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,787.82	
		For Vinylester Resin, Add	*2,583.58*	
		For Epoxy Resin, Add	*304.49*	
		For Up To >10, Add	*2,136.39*	
		For >10 To 25, Add	*1,165.18*	
		For >25 To 50, Add	*883.65*	
		For >50 To 100, Add	*441.83*	
		For >500 To 1,000, Deduct	*-191.82*	
		For >1,000 To 2,000, Deduct	*-288.94*	
		For >2,000 To 5,000, Deduct	*-467.15*	
		For >5,000, Deduct	*-776.96*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,087.42	
		For Vinylester Resin, Add	*2,785.99*	
		For Epoxy Resin, Add	*328.35*	
		For Up To >10, Add	*2,312.29*	
		For >10 To 25, Add	*1,263.57*	
		For >25 To 50, Add	*957.14*	
		For >50 To 100, Add	*478.57*	
		For >500 To 1,000, Deduct	*-207.06*	
		For >1,000 To 2,000, Deduct	*-311.93*	
		For >2,000 To 5,000, Deduct	*-504.46*	
		For >5,000, Deduct	*-838.97*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,384.42	
		For Vinylester Resin, Add	*2,988.41*	
		For Epoxy Resin, Add	*352.21*	
		For Up To >10, Add	*2,480.36*	
		For >10 To 25, Add	*1,355.44*	
		For >25 To 50, Add	*1,026.72*	
		For >50 To 100, Add	*513.36*	
		For >500 To 1,000, Deduct	*-222.10*	
		For >1,000 To 2,000, Deduct	*-334.59*	
		For >2,000 To 5,000, Deduct	*-541.11*	
		For >5,000, Deduct	*-899.94*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,681.42	
		For Vinylester Resin, Add	*3,190.82*	
		For Epoxy Resin, Add	*376.06*	
		For Up To >10, Add	*2,648.46*	
		For >10 To 25, Add	*1,447.33*	
		For >25 To 50, Add	*1,096.31*	
		For >50 To 100, Add	*548.16*	
		For >500 To 1,000, Deduct	*-237.15*	
		For >1,000 To 2,000, Deduct	*-357.26*	
		For >2,000 To 5,000, Deduct	*-577.77*	
		For >5,000, Deduct	*-960.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,978.34	
		For Vinylester Resin, Add	*3,393.24*	
		For Epoxy Resin, Add	*399.92*	
		For Up To >10, Add	*2,816.30*	
		For >10 To 25, Add	*1,539.00*	
		For >25 To 50, Add	*1,165.77*	
		For >50 To 100, Add	*582.89*	
		For >500 To 1,000, Deduct	*-252.19*	
		For >1,000 To 2,000, Deduct	*-379.92*	
		For >2,000 To 5,000, Deduct	*-614.41*	
		For >5,000, Deduct	*-1,021.84*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,275.33	
		For Vinylester Resin, Add	*3,595.66*	
		For Epoxy Resin, Add	*423.77*	
		For Up To >10, Add	*2,984.37*	
		For >10 To 25, Add	*1,630.86*	
		For >25 To 50, Add	*1,235.35*	
		For >50 To 100, Add	*617.68*	
		For >500 To 1,000, Deduct	*-267.23*	
		For >1,000 To 2,000, Deduct	*-402.58*	
		For >2,000 To 5,000, Deduct	*-651.07*	
		For >5,000, Deduct	*-1,082.80*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,468.11	
		For Vinylester Resin, Add	*1,002.37*	
		For Epoxy Resin, Add	*118.14*	
		For Up To >10, Add	*824.46*	
		For >10 To 25, Add	*448.39*	
		For >25 To 50, Add	*340.63*	
		For >50 To 100, Add	*170.32*	
		For >500 To 1,000, Deduct	*-74.31*	
		For >1,000 To 2,000, Deduct	*-111.92*	
		For >2,000 To 5,000, Deduct	*-180.87*	
		For >5,000, Deduct	*-300.85*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,776.91	
		For Vinylester Resin, Add	*1,213.21*	
		For Epoxy Resin, Add	*142.99*	
		For Up To >10, Add	*997.83*	
		For >10 To 25, Add	*542.67*	
		For >25 To 50, Add	*412.26*	
		For >50 To 100, Add	*206.13*	
		For >500 To 1,000, Deduct	*-89.94*	
		For >1,000 To 2,000, Deduct	*-135.46*	
		For >2,000 To 5,000, Deduct	*-218.92*	
		For >5,000, Deduct	*-364.13*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,085.71	
		For Vinylester Resin, Add	*1,424.06*	
		For Epoxy Resin, Add	*167.84*	
		For Up To >10, Add	*1,171.21*	
		For >10 To 25, Add	*636.94*	
		For >25 To 50, Add	*483.88*	
		For >50 To 100, Add	*241.94*	
		For >500 To 1,000, Deduct	*-105.57*	
		For >1,000 To 2,000, Deduct	*-159.00*	
		For >2,000 To 5,000, Deduct	*-256.96*	
		For >5,000, Deduct	*-427.41*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,394.53	
		For Vinylester Resin, Add	*1,634.91*	
		For Epoxy Resin, Add	*192.69*	
		For Up To >10, Add	*1,344.62*	
		For >10 To 25, Add	*731.25*	
		For >25 To 50, Add	*555.53*	
		For >50 To 100, Add	*277.76*	
		For >500 To 1,000, Deduct	*-121.20*	
		For >1,000 To 2,000, Deduct	*-182.54*	
		For >2,000 To 5,000, Deduct	*-295.01*	
		For >5,000, Deduct	*-490.69*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,703.33	
		For Vinylester Resin, Add	*1,845.76*	
		For Epoxy Resin, Add	*217.54*	
		For Up To >10, Add	*1,517.99*	
		For >10 To 25, Add	*825.53*	
		For >25 To 50, Add	*627.16*	
		For >50 To 100, Add	*313.58*	
		For >500 To 1,000, Deduct	*-136.83*	
		For >1,000 To 2,000, Deduct	*-206.08*	
		For >2,000 To 5,000, Deduct	*-333.05*	
		For >5,000, Deduct	*-553.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,012.15	
		For Vinylester Resin, Add	*2,056.61*	
		For Epoxy Resin, Add	*242.39*	
		For Up To >10, Add	*1,691.40*	
		For >10 To 25, Add	*919.83*	
		For >25 To 50, Add	*698.80*	
		For >50 To 100, Add	*349.40*	
		For >500 To 1,000, Deduct	*-152.46*	
		For >1,000 To 2,000, Deduct	*-229.62*	
		For >2,000 To 5,000, Deduct	*-371.09*	
		For >5,000, Deduct	*-617.26*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,325.05	
		For Vinylester Resin, Add	*2,267.45*	
		For Epoxy Resin, Add	*267.24*	
		For Up To >10, Add	*1,877.10*	
		For >10 To 25, Add	*1,024.38*	
		For >25 To 50, Add	*776.59*	
		For >50 To 100, Add	*388.29*	
		For >500 To 1,000, Deduct	*-168.40*	
		For >1,000 To 2,000, Deduct	*-253.67*	
		For >2,000 To 5,000, Deduct	*-410.16*	
		For >5,000, Deduct	*-682.18*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,634.25	
		For Vinylester Resin, Add	*2,478.30*	
		For Epoxy Resin, Add	*292.09*	
		For Up To >10, Add	*2,051.68*	
		For >10 To 25, Add	*1,119.66*	
		For >25 To 50, Add	*848.82*	
		For >50 To 100, Add	*424.41*	
		For >500 To 1,000, Deduct	*-184.06*	
		For >1,000 To 2,000, Deduct	*-277.26*	
		For >2,000 To 5,000, Deduct	*-448.31*	
		For >5,000, Deduct	*-745.61*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,942.12	
		For Vinylester Resin, Add	*2,689.16*	
		For Epoxy Resin, Add	*316.94*	
		For Up To >10, Add	*2,222.24*	
		For >10 To 25, Add	*1,211.59*	
		For >25 To 50, Add	*919.04*	
		For >50 To 100, Add	*459.52*	
		For >500 To 1,000, Deduct	*-199.62*	
		For >1,000 To 2,000, Deduct	*-300.68*	
		For >2,000 To 5,000, Deduct	*-486.12*	
		For >5,000, Deduct	*-808.52*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,252.67	
		For Vinylester Resin, Add	*2,900.00*	
		For Epoxy Resin, Add	*341.79*	
		For Up To >10, Add	*2,400.86*	
		For >10 To 25, Add	*1,310.24*	
		For >25 To 50, Add	*993.29*	
		For >50 To 100, Add	*496.64*	
		For >500 To 1,000, Deduct	*-215.38*	
		For >1,000 To 2,000, Deduct	*-324.44*	
		For >2,000 To 5,000, Deduct	*-524.60*	
		For >5,000, Deduct	*-872.50*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,561.88	
		For Vinylester Resin, Add	*3,110.86*	
		For Epoxy Resin, Add	*366.64*	
		For Up To >10, Add	*2,575.44*	
		For >10 To 25, Add	*1,405.52*	
		For >25 To 50, Add	*1,065.52*	
		For >50 To 100, Add	*532.76*	
		For >500 To 1,000, Deduct	*-231.04*	
		For >1,000 To 2,000, Deduct	*-348.03*	
		For >2,000 To 5,000, Deduct	*-562.74*	
		For >5,000, Deduct	*-935.94*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,871.00	
		For Vinylester Resin, Add	*3,321.70*	
		For Epoxy Resin, Add	*391.49*	
		For Up To >10, Add	*2,749.78*	
		For >10 To 25, Add	*1,500.60*	
		For >25 To 50, Add	*1,137.62*	
		For >50 To 100, Add	*568.81*	
		For >500 To 1,000, Deduct	*-246.69*	
		For >1,000 To 2,000, Deduct	*-371.61*	
		For >2,000 To 5,000, Deduct	*-600.86*	
		For >5,000, Deduct	*-999.34*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,180.20	
		For Vinylester Resin, Add	*3,532.55*	
		For Epoxy Resin, Add	*416.34*	
		For Up To >10, Add	*2,924.35*	
		For >10 To 25, Add	*1,595.88*	
		For >25 To 50, Add	*1,209.85*	
		For >50 To 100, Add	*604.93*	
		For >500 To 1,000, Deduct	*-262.35*	
		For >1,000 To 2,000, Deduct	*-395.20*	
		For >2,000 To 5,000, Deduct	*-639.01*	
		For >5,000, Deduct	*-1,062.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,489.40	
		For Vinylester Resin, Add	*3,743.40*	
		For Epoxy Resin, Add	*441.19*	
		For Up To >10, Add	*3,098.93*	
		For >10 To 25, Add	*1,691.15*	
		For >25 To 50, Add	*1,282.08*	
		For >50 To 100, Add	*641.04*	
		For >500 To 1,000, Deduct	*-278.01*	
		For >1,000 To 2,000, Deduct	*-418.79*	
		For >2,000 To 5,000, Deduct	*-677.15*	
		For >5,000, Deduct	*-1,126.22*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,844.02	
		For Vinylester Resin, Add	*1,259.58*	
		For Epoxy Resin, Add	*148.45*	
		For Up To >10, Add	*1,033.56*	
		For >10 To 25, Add	*561.40*	
		For >25 To 50, Add	*426.81*	
		For >50 To 100, Add	*213.41*	
		For >500 To 1,000, Deduct	*-93.32*	
		For >1,000 To 2,000, Deduct	*-140.53*	
		For >2,000 To 5,000, Deduct	*-227.08*	
		For >5,000, Deduct	*-377.73*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,165.03	
		For Vinylester Resin, Add	*1,478.86*	
		For Epoxy Resin, Add	*174.29*	
		For Up To >10, Add	*1,213.44*	
		For >10 To 25, Add	*659.09*	
		For >25 To 50, Add	*501.09*	
		For >50 To 100, Add	*250.54*	
		For >500 To 1,000, Deduct	*-109.56*	
		For >1,000 To 2,000, Deduct	*-165.00*	
		For >2,000 To 5,000, Deduct	*-266.61*	
		For >5,000, Deduct	*-443.48*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,486.05	
		For Vinylester Resin, Add	*1,698.15*	
		For Epoxy Resin, Add	*200.14*	
		For Up To >10, Add	*1,393.33*	
		For >10 To 25, Add	*756.78*	
		For >25 To 50, Add	*575.37*	
		For >50 To 100, Add	*287.68*	
		For >500 To 1,000, Deduct	*-125.81*	
		For >1,000 To 2,000, Deduct	*-189.46*	
		For >2,000 To 5,000, Deduct	*-306.14*	
		For >5,000, Deduct	*-509.23*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,807.06	
		For Vinylester Resin, Add	*1,917.43*	
		For Epoxy Resin, Add	*225.98*	
		For Up To >10, Add	*1,573.23*	
		For >10 To 25, Add	*854.50*	
		For >25 To 50, Add	*649.66*	
		For >50 To 100, Add	*324.83*	
		For >500 To 1,000, Deduct	*-142.05*	
		For >1,000 To 2,000, Deduct	*-213.92*	
		For >2,000 To 5,000, Deduct	*-345.67*	
		For >5,000, Deduct	*-574.99*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,128.16	
		For Vinylester Resin, Add	*2,136.72*	
		For Epoxy Resin, Add	*251.83*	
		For Up To >10, Add	*1,753.36*	
		For >10 To 25, Add	*952.39*	
		For >25 To 50, Add	*724.06*	
		For >50 To 100, Add	*362.03*	
		For >500 To 1,000, Deduct	*-158.30*	
		For >1,000 To 2,000, Deduct	*-238.40*	
		For >2,000 To 5,000, Deduct	*-385.22*	
		For >5,000, Deduct	*-640.77*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,453.29	
		For Vinylester Resin, Add	*2,356.00*	
		For Epoxy Resin, Add	*277.67*	
		For Up To >10, Add	*1,945.60*	
		For >10 To 25, Add	*1,060.38*	
		For >25 To 50, Add	*804.51*	
		For >50 To 100, Add	*402.26*	
		For >500 To 1,000, Deduct	*-174.85*	
		For >1,000 To 2,000, Deduct	*-263.38*	
		For >2,000 To 5,000, Deduct	*-425.78*	
		For >5,000, Deduct	*-708.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,774.70	
		For Vinylester Resin, Add	*2,575.28*	
		For Epoxy Resin, Add	*303.52*	
		For Up To >10, Add	*2,126.68*	
		For >10 To 25, Add	*1,159.07*	
		For >25 To 50, Add	*879.39*	
		For >50 To 100, Add	*439.69*	
		For >500 To 1,000, Deduct	*-191.13*	
		For >1,000 To 2,000, Deduct	*-287.89*	
		For >2,000 To 5,000, Deduct	*-465.41*	
		For >5,000, Deduct	*-774.09*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,096.11	
		For Vinylester Resin, Add	*2,794.56*	
		For Epoxy Resin, Add	*329.36*	
		For Up To >10, Add	*2,307.76*	
		For >10 To 25, Add	*1,257.76*	
		For >25 To 50, Add	*954.27*	
		For >50 To 100, Add	*477.13*	
		For >500 To 1,000, Deduct	*-207.40*	
		For >1,000 To 2,000, Deduct	*-312.40*	
		For >2,000 To 5,000, Deduct	*-505.04*	
		For >5,000, Deduct	*-840.00*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,417.59	
		For Vinylester Resin, Add	*3,013.84*	
		For Epoxy Resin, Add	*355.20*	
		For Up To >10, Add	*2,489.05*	
		For >10 To 25, Add	*1,356.62*	
		For >25 To 50, Add	*1,029.25*	
		For >50 To 100, Add	*514.62*	
		For >500 To 1,000, Deduct	*-223.68*	
		For >1,000 To 2,000, Deduct	*-336.92*	
		For >2,000 To 5,000, Deduct	*-544.68*	
		For >5,000, Deduct	*-905.94*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,739.01	
		For Vinylester Resin, Add	*3,233.13*	
		For Epoxy Resin, Add	*381.05*	
		For Up To >10, Add	*2,670.13*	
		For >10 To 25, Add	*1,455.32*	
		For >25 To 50, Add	*1,104.13*	
		For >50 To 100, Add	*552.06*	
		For >500 To 1,000, Deduct	*-239.96*	
		For >1,000 To 2,000, Deduct	*-361.44*	
		For >2,000 To 5,000, Deduct	*-584.31*	
		For >5,000, Deduct	*-971.85*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,060.42	
		For Vinylester Resin, Add	*3,452.41*	
		For Epoxy Resin, Add	*406.89*	
		For Up To >10, Add	*2,851.21*	
		For >10 To 25, Add	*1,554.01*	
		For >25 To 50, Add	*1,179.00*	
		For >50 To 100, Add	*589.50*	
		For >500 To 1,000, Deduct	*-256.23*	
		For >1,000 To 2,000, Deduct	*-385.95*	
		For >2,000 To 5,000, Deduct	*-623.94*	
		For >5,000, Deduct	*-1,037.76*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,381.83	
		For Vinylester Resin, Add	*3,671.70*	
		For Epoxy Resin, Add	*432.74*	
		For Up To >10, Add	*3,032.29*	
		For >10 To 25, Add	*1,652.70*	
		For >25 To 50, Add	*1,253.88*	
		For >50 To 100, Add	*626.94*	
		For >500 To 1,000, Deduct	*-272.51*	
		For >1,000 To 2,000, Deduct	*-410.46*	
		For >2,000 To 5,000, Deduct	*-663.57*	
		For >5,000, Deduct	*-1,103.68*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,703.24	
		For Vinylester Resin, Add	*3,890.98*	
		For Epoxy Resin, Add	*458.58*	
		For Up To >10, Add	*3,213.37*	
		For >10 To 25, Add	*1,751.39*	
		For >25 To 50, Add	*1,328.76*	
		For >50 To 100, Add	*664.38*	
		For >500 To 1,000, Deduct	*-288.78*	
		For >1,000 To 2,000, Deduct	*-434.98*	
		For >2,000 To 5,000, Deduct	*-703.20*	
		For >5,000, Deduct	*-1,169.59*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,024.64	
		For Vinylester Resin, Add	*4,110.26*	
		For Epoxy Resin, Add	*484.42*	
		For Up To >10, Add	*3,394.42*	
		For >10 To 25, Add	*1,850.05*	
		For >25 To 50, Add	*1,403.62*	
		For >50 To 100, Add	*701.81*	
		For >500 To 1,000, Deduct	*-305.05*	
		For >1,000 To 2,000, Deduct	*-459.49*	
		For >2,000 To 5,000, Deduct	*-742.83*	
		For >5,000, Deduct	*-1,235.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,346.05	
		For Vinylester Resin, Add	*4,329.54*	
		For Epoxy Resin, Add	*510.27*	
		For Up To >10, Add	*3,575.50*	
		For >10 To 25, Add	*1,948.74*	
		For >25 To 50, Add	*1,478.50*	
		For >50 To 100, Add	*739.25*	
		For >500 To 1,000, Deduct	*-321.33*	
		For >1,000 To 2,000, Deduct	*-484.00*	
		For >2,000 To 5,000, Deduct	*-782.45*	
		For >5,000, Deduct	*-1,301.41*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,244.04	
		For Vinylester Resin, Add	*1,533.50*	
		For Epoxy Resin, Add	*180.73*	
		For Up To >10, Add	*1,255.32*	
		For >10 To 25, Add	*680.98*	
		For >25 To 50, Add	*518.12*	
		For >50 To 100, Add	*259.06*	
		For >500 To 1,000, Deduct	*-113.54*	
		For >1,000 To 2,000, Deduct	*-170.97*	
		For >2,000 To 5,000, Deduct	*-276.22*	
		For >5,000, Deduct	*-459.47*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,577.26	
		For Vinylester Resin, Add	*1,761.22*	
		For Epoxy Resin, Add	*207.57*	
		For Up To >10, Add	*1,441.71*	
		For >10 To 25, Add	*782.08*	
		For >25 To 50, Add	*595.05*	
		For >50 To 100, Add	*297.53*	
		For >500 To 1,000, Deduct	*-130.39*	
		For >1,000 To 2,000, Deduct	*-196.36*	
		For >2,000 To 5,000, Deduct	*-317.23*	
		For >5,000, Deduct	*-527.70*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,910.48	
		For Vinylester Resin, Add	*1,988.94*	
		For Epoxy Resin, Add	*234.41*	
		For Up To >10, Add	*1,628.09*	
		For >10 To 25, Add	*883.19*	
		For >25 To 50, Add	*671.98*	
		For >50 To 100, Add	*335.99*	
		For >500 To 1,000, Deduct	*-147.25*	
		For >1,000 To 2,000, Deduct	*-221.74*	
		For >2,000 To 5,000, Deduct	*-358.25*	
		For >5,000, Deduct	*-595.92*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,243.70	
		For Vinylester Resin, Add	*2,216.66*	
		For Epoxy Resin, Add	*261.25*	
		For Up To >10, Add	*1,814.48*	
		For >10 To 25, Add	*984.29*	
		For >25 To 50, Add	*748.91*	
		For >50 To 100, Add	*374.45*	
		For >500 To 1,000, Deduct	*-164.11*	
		For >1,000 To 2,000, Deduct	*-247.13*	
		For >2,000 To 5,000, Deduct	*-399.26*	
		For >5,000, Deduct	*-664.15*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,581.20	
		For Vinylester Resin, Add	*2,444.37*	
		For Epoxy Resin, Add	*288.09*	
		For Up To >10, Add	*2,013.70*	
		For >10 To 25, Add	*1,096.09*	
		For >25 To 50, Add	*832.25*	
		For >50 To 100, Add	*416.13*	
		For >500 To 1,000, Deduct	*-181.29*	
		For >1,000 To 2,000, Deduct	*-273.05*	
		For >2,000 To 5,000, Deduct	*-441.35*	
		For >5,000, Deduct	*-734.09*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,914.81	
		For Vinylester Resin, Add	*2,672.09*	
		For Epoxy Resin, Add	*314.92*	
		For Up To >10, Add	*2,201.26*	
		For >10 To 25, Add	*1,198.17*	
		For >25 To 50, Add	*909.76*	
		For >50 To 100, Add	*454.88*	
		For >500 To 1,000, Deduct	*-198.18*	
		For >1,000 To 2,000, Deduct	*-298.49*	
		For >2,000 To 5,000, Deduct	*-482.46*	
		For >5,000, Deduct	*-802.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,248.43	
		For Vinylester Resin, Add	*2,899.81*	
		For Epoxy Resin, Add	*341.76*	
		For Up To >10, Add	*2,388.84*	
		For >10 To 25, Add	*1,300.27*	
		For >25 To 50, Add	*987.29*	
		For >50 To 100, Add	*493.65*	
		For >500 To 1,000, Deduct	*-215.07*	
		For >1,000 To 2,000, Deduct	*-323.92*	
		For >2,000 To 5,000, Deduct	*-523.57*	
		For >5,000, Deduct	*-870.86*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,582.04	
		For Vinylester Resin, Add	*3,127.52*	
		For Epoxy Resin, Add	*368.60*	
		For Up To >10, Add	*2,576.40*	
		For >10 To 25, Add	*1,402.35*	
		For >25 To 50, Add	*1,064.80*	
		For >50 To 100, Add	*532.40*	
		For >500 To 1,000, Deduct	*-231.96*	
		For >1,000 To 2,000, Deduct	*-349.36*	
		For >2,000 To 5,000, Deduct	*-564.68*	
		For >5,000, Deduct	*-939.24*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,915.66	
		For Vinylester Resin, Add	*3,355.24*	
		For Epoxy Resin, Add	*395.44*	
		For Up To >10, Add	*2,763.98*	
		For >10 To 25, Add	*1,504.45*	
		For >25 To 50, Add	*1,142.33*	
		For >50 To 100, Add	*571.17*	
		For >500 To 1,000, Deduct	*-248.84*	
		For >1,000 To 2,000, Deduct	*-374.80*	
		For >2,000 To 5,000, Deduct	*-605.80*	
		For >5,000, Deduct	*-1,007.62*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,249.28	
		For Vinylester Resin, Add	*3,582.96*	
		For Epoxy Resin, Add	*422.28*	
		For Up To >10, Add	*2,951.57*	
		For >10 To 25, Add	*1,606.55*	
		For >25 To 50, Add	*1,219.86*	
		For >50 To 100, Add	*609.93*	
		For >500 To 1,000, Deduct	*-265.73*	
		For >1,000 To 2,000, Deduct	*-400.23*	
		For >2,000 To 5,000, Deduct	*-646.91*	
		For >5,000, Deduct	*-1,076.01*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,582.90	
		For Vinylester Resin, Add	*3,810.67*	
		For Epoxy Resin, Add	*449.12*	
		For Up To >10, Add	*3,139.15*	
		For >10 To 25, Add	*1,708.66*	
		For >25 To 50, Add	*1,297.38*	
		For >50 To 100, Add	*648.69*	
		For >500 To 1,000, Deduct	*-282.62*	
		For >1,000 To 2,000, Deduct	*-425.67*	
		For >2,000 To 5,000, Deduct	*-688.03*	
		For >5,000, Deduct	*-1,144.40*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,916.52	
		For Vinylester Resin, Add	*4,038.39*	
		For Epoxy Resin, Add	*475.95*	
		For Up To >10, Add	*3,326.74*	
		For >10 To 25, Add	*1,810.76*	
		For >25 To 50, Add	*1,374.91*	
		For >50 To 100, Add	*687.46*	
		For >500 To 1,000, Deduct	*-299.51*	
		For >1,000 To 2,000, Deduct	*-451.11*	
		For >2,000 To 5,000, Deduct	*-729.14*	
		For >5,000, Deduct	*-1,212.78*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,250.13	
		For Vinylester Resin, Add	*4,266.11*	
		For Epoxy Resin, Add	*502.79*	
		For Up To >10, Add	*3,514.29*	
		For >10 To 25, Add	*1,912.84*	
		For >25 To 50, Add	*1,452.42*	
		For >50 To 100, Add	*726.21*	
		For >500 To 1,000, Deduct	*-316.40*	
		For >1,000 To 2,000, Deduct	*-476.54*	
		For >2,000 To 5,000, Deduct	*-770.26*	
		For >5,000, Deduct	*-1,281.16*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,583.75	
		For Vinylester Resin, Add	*4,493.83*	
		For Epoxy Resin, Add	*529.63*	
		For Up To >10, Add	*3,701.88*	
		For >10 To 25, Add	*2,014.94*	
		For >25 To 50, Add	*1,529.95*	
		For >50 To 100, Add	*764.98*	
		For >500 To 1,000, Deduct	*-333.29*	
		For >1,000 To 2,000, Deduct	*-501.98*	
		For >2,000 To 5,000, Deduct	*-811.37*	
		For >5,000, Deduct	*-1,349.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0323		42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,668.15	
		For Vinylester Resin, Add	*1,824.12*	
		For Epoxy Resin, Add	*214.99*	
		For Up To >10, Add	*1,489.73*	
		For >10 To 25, Add	*807.12*	
		For >25 To 50, Add	*614.57*	
		For >50 To 100, Add	*307.28*	
		For >500 To 1,000, Deduct	*-134.96*	
		For >1,000 To 2,000, Deduct	*-203.22*	
		For >2,000 To 5,000, Deduct	*-328.27*	
		For >5,000, Deduct	*-546.08*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,013.59	
		For Vinylester Resin, Add	*2,060.28*	
		For Epoxy Resin, Add	*242.82*	
		For Up To >10, Add	*1,682.62*	
		For >10 To 25, Add	*911.64*	
		For >25 To 50, Add	*694.15*	
		For >50 To 100, Add	*347.07*	
		For >500 To 1,000, Deduct	*-152.44*	
		For >1,000 To 2,000, Deduct	*-229.54*	
		For >2,000 To 5,000, Deduct	*-370.77*	
		For >5,000, Deduct	*-616.78*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,359.01	
		For Vinylester Resin, Add	*2,296.43*	
		For Epoxy Resin, Add	*270.65*	
		For Up To >10, Add	*1,875.51*	
		For >10 To 25, Add	*1,016.15*	
		For >25 To 50, Add	*773.72*	
		For >50 To 100, Add	*386.86*	
		For >500 To 1,000, Deduct	*-169.91*	
		For >1,000 To 2,000, Deduct	*-255.85*	
		For >2,000 To 5,000, Deduct	*-413.27*	
		For >5,000, Deduct	*-687.48*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,708.79	
		For Vinylester Resin, Add	*2,532.58*	
		For Epoxy Resin, Add	*298.48*	
		For Up To >10, Add	*2,081.45*	
		For >10 To 25, Add	*1,131.54*	
		For >25 To 50, Add	*859.82*	
		For >50 To 100, Add	*429.91*	
		For >500 To 1,000, Deduct	*-187.71*	
		For >1,000 To 2,000, Deduct	*-282.70*	
		For >2,000 To 5,000, Deduct	*-456.86*	
		For >5,000, Deduct	*-759.92*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,054.61	
		For Vinylester Resin, Add	*2,768.73*	
		For Epoxy Resin, Add	*326.31*	
		For Up To >10, Add	*2,275.51*	
		For >10 To 25, Add	*1,237.03*	
		For >25 To 50, Add	*939.99*	
		For >50 To 100, Add	*469.99*	
		For >500 To 1,000, Deduct	*-205.21*	
		For >1,000 To 2,000, Deduct	*-309.06*	
		For >2,000 To 5,000, Deduct	*-499.46*	
		For >5,000, Deduct	*-830.78*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,400.44	
		For Vinylester Resin, Add	*3,004.88*	
		For Epoxy Resin, Add	*354.15*	
		For Up To >10, Add	*2,469.60*	
		For >10 To 25, Add	*1,342.55*	
		For >25 To 50, Add	*1,020.16*	
		For >50 To 100, Add	*510.08*	
		For >500 To 1,000, Deduct	*-222.72*	
		For >1,000 To 2,000, Deduct	*-335.42*	
		For >2,000 To 5,000, Deduct	*-542.06*	
		For >5,000, Deduct	*-901.64*	
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,746.27	
		For Vinylester Resin, Add	*3,241.04*	
		For Epoxy Resin, Add	*381.98*	
		For Up To >10, Add	*2,663.69*	
		For >10 To 25, Add	*1,448.06*	
		For >25 To 50, Add	*1,100.34*	
		For >50 To 100, Add	*550.17*	
		For >500 To 1,000, Deduct	*-240.22*	
		For >1,000 To 2,000, Deduct	*-361.78*	
		For >2,000 To 5,000, Deduct	*-584.66*	
		For >5,000, Deduct	*-972.50*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,092.08	
		For Vinylester Resin, Add	*3,477.18*	
		For Epoxy Resin, Add	*409.81*	
		For Up To >10, Add	*2,857.74*	
		For >10 To 25, Add	*1,553.55*	
		For >25 To 50, Add	*1,180.50*	
		For >50 To 100, Add	*590.25*	
		For >500 To 1,000, Deduct	*-257.72*	
		For >1,000 To 2,000, Deduct	*-388.14*	
		For >2,000 To 5,000, Deduct	*-627.26*	
		For >5,000, Deduct	*-1,043.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,437.90	
		For Vinylester Resin, Add	*3,713.33*	
		For Epoxy Resin, Add	*437.64*	
		For Up To >10, Add	*3,051.80*	
		For >10 To 25, Add	*1,659.04*	
		For >25 To 50, Add	*1,260.66*	
		For >50 To 100, Add	*630.33*	
		For >500 To 1,000, Deduct	*-275.22*	
		For >1,000 To 2,000, Deduct	*-414.50*	
		For >2,000 To 5,000, Deduct	*-669.86*	
		For >5,000, Deduct	*-1,114.21*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,783.73	
		For Vinylester Resin, Add	*3,949.48*	
		For Epoxy Resin, Add	*465.47*	
		For Up To >10, Add	*3,245.89*	
		For >10 To 25, Add	*1,764.56*	
		For >25 To 50, Add	*1,340.84*	
		For >50 To 100, Add	*670.42*	
		For >500 To 1,000, Deduct	*-292.73*	
		For >1,000 To 2,000, Deduct	*-440.86*	
		For >2,000 To 5,000, Deduct	*-712.46*	
		For >5,000, Deduct	*-1,185.07*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,129.56	
		For Vinylester Resin, Add	*4,185.64*	
		For Epoxy Resin, Add	*493.31*	
		For Up To >10, Add	*3,439.98*	
		For >10 To 25, Add	*1,870.07*	
		For >25 To 50, Add	*1,421.02*	
		For >50 To 100, Add	*710.51*	
		For >500 To 1,000, Deduct	*-310.23*	
		For >1,000 To 2,000, Deduct	*-467.22*	
		For >2,000 To 5,000, Deduct	*-755.06*	
		For >5,000, Deduct	*-1,255.93*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,475.38	
		For Vinylester Resin, Add	*4,421.79*	
		For Epoxy Resin, Add	*521.14*	
		For Up To >10, Add	*3,634.04*	
		For >10 To 25, Add	*1,975.56*	
		For >25 To 50, Add	*1,501.18*	
		For >50 To 100, Add	*750.59*	
		For >500 To 1,000, Deduct	*-327.73*	
		For >1,000 To 2,000, Deduct	*-493.58*	
		For >2,000 To 5,000, Deduct	*-797.66*	
		For >5,000, Deduct	*-1,326.78*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,821.20	
		For Vinylester Resin, Add	*4,657.94*	
		For Epoxy Resin, Add	*548.97*	
		For Up To >10, Add	*3,828.10*	
		For >10 To 25, Add	*2,081.05*	
		For >25 To 50, Add	*1,581.34*	
		For >50 To 100, Add	*790.67*	
		For >500 To 1,000, Deduct	*-345.24*	
		For >1,000 To 2,000, Deduct	*-519.94*	
		For >2,000 To 5,000, Deduct	*-840.25*	
		For >5,000, Deduct	*-1,397.64*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	323.69
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	349.93
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	371.81
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	393.68
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	415.55

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	368.10
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	428.42
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	488.74

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	407.80
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	447.49

33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	542.61
33 01 30 74-0018	EA	6" Lateral T-Liner	622.61
33 01 30 74-0019	EA	8" Lateral T-Liner	735.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0020		Lining Lateral Pipe *(33 01 30 74-0001)*		
33 01 30 74-0021		Lining Lateral Pipe *(33 01 30 74-0020)*		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	34.66	
		For 7.5mm, Add	*5.27*	
		For 9 mm, Add	*10.42*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	43.29	
		For 7.5mm, Add	*7.17*	
		For 9 mm, Add	*14.18*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	59.95	
		For 7.5mm, Add	*10.98*	
		For 9 mm, Add	*21.72*	
33 01 30 79		**Fold-and-Form Pipe Lining** *(33 01 30)*		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines *(33 01 30 79)*		
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Set-Up And Reinsertion For Fold-And-Form Relining Underground Pipelines *(33 01 30 79-0001)*		
33 01 30 79-0003	EA	Initial Set-up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	3,164.44	
33 01 30 79-0004	EA	Move And Set-up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	1,265.78	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	34.24	
		For DR 26 Pipe Liner, Add	*6.86*	
		For Up To 75, Add	*15.68*	
		For >75 To 150, Add	*7.84*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-2.04*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	44.59	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
		For Up To 75, Add	*18.41*	
		For >75 To 150, Add	*9.20*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 2,000, Deduct	*-1.10*	
		For >2,000, Deduct	*-2.19*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	45.89	
		For DR 26 Pipe Liner, Add	*9.50*	
		For DR 35 Pipe Liner, Deduct	*-4.75*	
		For Up To 75, Add	*19.46*	
		For >75 To 150, Add	*9.73*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-1.19*	
		For >2,000, Deduct	*-2.37*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	65.61	
		For DR 26 Pipe Liner, Add	*14.25*	
		For DR 35 Pipe Liner, Deduct	*-7.12*	
		For DR 41 Pipe Liner, Deduct	*-14.25*	
		For Up To 75, Add	*24.34*	
		For >75 To 150, Add	*12.17*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-2.59*	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	92.88	
		For DR 26 Pipe Liner, Add	*20.85*	
		For DR 35 Pipe Liner, Deduct	*-10.42*	
		For DR 41 Pipe Liner, Deduct	*-20.85*	
		For Up To 75, Add	*30.91*	
		For >75 To 150, Add	*15.46*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000, Deduct	*-2.85*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	128.20	
		For DR 35 Pipe Liner, Deduct	*-14.68*	
		For DR 41 Pipe Liner, Deduct	*-29.35*	
		For Up To 75, Add	*39.67*	
		For >75 To 150, Add	*19.83*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000, Deduct	*-3.24*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	182.41	
		For DR 41 Pipe Liner, Deduct	*-17.02*	
		For DR 50 Pipe Liner, Deduct	*-34.05*	
		For Up To 75, Add	*52.30*	
		For >75 To 150, Add	*26.15*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.83*	
		For >2,000, Deduct	*-3.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	206.55	
		For DR 50 Pipe Liner, Deduct	*-29.01*	
		For DR 55 Pipe Liner, Deduct	*-48.34*	
		For Up To 75, Add	*58.44*	
		For >75 To 150, Add	*29.22*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.98*	
		For >2,000, Deduct	*-3.95*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	252.66	
		For DR 60 Pipe Liner, Deduct	*-35.74*	
		For Up To 75, Add	*69.24*	
		For >75 To 150, Add	*34.62*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-2.16*	
		For >2,000, Deduct	*-4.32*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	36.83	
		For Up To 75, Add	*16.19*	
		For >75 To 150, Add	*8.10*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000 To 2,000, Deduct	*-1.02*	
		For >2,000, Deduct	*-2.04*	
		For DR 26 Pipe Liner, Add	*7.51*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	44.59	
		For Up To 75, Add	*18.41*	
		For >75 To 150, Add	*9.20*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 2,000, Deduct	*-1.10*	
		For >2,000, Deduct	*-2.19*	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	49.35	
		For Up To 75, Add	*20.15*	
		For >75 To 150, Add	*10.08*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-1.19*	
		For >2,000, Deduct	*-2.37*	
		For DR 26 Pipe Liner, Add	*10.36*	
		For DR 35 Pipe Liner, Deduct	*-5.18*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	70.79	
		For Up To 75, Add	*25.38*	
		For >75 To 150, Add	*12.69*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-1.29*	
		For >2,000, Deduct	*-2.59*	
		For DR 26 Pipe Liner, Add	*15.54*	
		For DR 35 Pipe Liner, Deduct	*-7.77*	
		For DR 41 Pipe Liner, Deduct	*-15.54*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	100.65	
		For Up To 75, Add	*32.47*	
		For >75 To 150, Add	*16.23*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000, Deduct	*-2.85*	
		For DR 26 Pipe Liner, Add	*22.79*	
		For DR 35 Pipe Liner, Deduct	*-11.40*	
		For DR 41 Pipe Liner, Deduct	*-22.79*	
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	139.25	
		For Up To 75, Add	*41.88*	
		For >75 To 150, Add	*20.94*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000, Deduct	*-3.24*	
		For DR 35 Pipe Liner, Deduct	*-16.06*	
		For DR 41 Pipe Liner, Deduct	*-32.12*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	198.64	
		For Up To 75, Add	*55.55*	
		For >75 To 150, Add	*27.77*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.83*	
		For >2,000, Deduct	*-3.65*	
		For DR 41 Pipe Liner, Deduct	*-18.65*	
		For DR 50 Pipe Liner, Deduct	*-37.29*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	224.51	
		For Up To 75, Add	*62.04*	
		For >75 To 150, Add	*31.02*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.98*	
		For >2,000, Deduct	*-3.95*	
		For DR 50 Pipe Liner, Deduct	*-31.70*	
		For DR 55 Pipe Liner, Deduct	*-52.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	275.45	
		For Up To 75, Add	*73.80*	
		For >75 To 150, Add	*36.90*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-2.16*	
		For >2,000, Deduct	*-4.32*	
		For DR 60 Pipe Liner, Deduct	*-39.16*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*
Note: Work is in confined spaces.

33 01 30 81-0002 Set-up For Inspection And Ventilation System *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	93.65
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	14,066.88
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	20,104.80

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*
Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	399.26
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	420.85
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	431.63
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	496.39
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	561.13
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	625.87
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	755.36

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*
Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	582.70
33 01 30 81-0017	EA	30" External Manhole Encapsulation	615.08
33 01 30 81-0018	EA	36" External Manhole Encapsulation	658.25
33 01 30 81-0019	EA	42" External Manhole Encapsulation	712.20
33 01 30 81-0020	EA	48" External Manhole Encapsulation	787.74
33 01 30 81-0021	EA	54" External Manhole Encapsulation	874.06
33 01 30 81-0022	EA	60" External Manhole Encapsulation	981.98

33 01 30 81-0023 Manhole Crack Repair *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	31.58
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	42.91
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	29.37
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	40.36

33 01 30 81-0028 Manhole Patching *(33 01 30 81-0001)*
Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	11.07
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	36.94

33 01 30 81-0031 Manhole Joint Restoration *(33 01 30 81-0001)*
Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,158.97
		For Grouting Each Additional Manhole Joint Section, Add	*166.61*
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,520.59
		For Grouting Each Additional Manhole Joint Section, Add	*181.88*
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,878.61
		For Grouting Each Additional Manhole Joint Section, Add	*197.15*
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,485.56
		For Grouting Each Additional Manhole Joint Section, Add	*204.78*
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,090.69
		For Grouting Each Additional Manhole Joint Section, Add	*212.42*

33 01 30 81-0037 Step Installation In Existing Manholes *(33 01 30 81-0001)*
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.

33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	113.06	11.54
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	89.77	11.54
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	99.87	11.54
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	140.45	11.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	49.73	9.23

33 01 30 81-0043 Manhole Penetration Sealing *(33 01 30 81-0001)*

Note: At new pipe connection to manhole.

33 01 30 81-0044	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	257.16
33 01 30 81-0045	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	409.57
33 01 30 81-0046	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	577.88

33 01 30 81-0047 Invert Restoration *(33 01 30 81-0001)*

Note: Includes removal of existing defective material and installation of new material.

33 01 30 81-0048 Concrete Invert Restoration *(33 01 30 81-0047)*

33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration	215.41
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration	238.82
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration	262.23
33 01 30 81-0052	EA	5' Diameter, Concrete Invert Restoration	285.64
33 01 30 81-0053	EA	6' Diameter, Concrete Invert Restoration	355.88
33 01 30 81-0054	SF	Square Or Rectangular, Concrete Invert Restoration	20.86

33 01 30 81-0055 Brick Invert Restoration *(33 01 30 81-0047)*

33 01 30 81-0056	EA	2' Diameter, Brick Invert Restoration	386.84
33 01 30 81-0057	EA	3' Diameter, Brick Invert Restoration	410.25
33 01 30 81-0058	EA	4' Diameter, Brick Invert Restoration	433.66
33 01 30 81-0059	EA	5' Diameter, Brick Invert Restoration	457.07
33 01 30 81-0060	EA	6' Diameter, Brick Invert Restoration	480.48
33 01 30 81-0061	SF	Square Or Rectangular, Brick Invert Restoration	28.33

33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	236.64
		For 80 Mil Material, Add	*34.51*
		For 100 Mil Material, Add	*69.01*
		For 125 Mil Material, Add	*108.92*
		For 150 Mil Material, Add	*148.84*
		For 200 Mil Material, Add	*220.07*
		For 2 To 5 Manholes, Deduct	*-16.13*
		For 6 To 10 Manholes, Deduct	*-26.34*
		For >10 Manholes, Deduct	*-52.67*
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	285.69
		For 80 Mil Material, Add	*41.00*
		For 100 Mil Material, Add	*81.99*
		For 125 Mil Material, Add	*129.30*
		For 150 Mil Material, Add	*176.61*
		For 200 Mil Material, Add	*260.73*
		For 2 To 5 Manholes, Deduct	*-19.53*
		For 6 To 10 Manholes, Deduct	*-31.92*
		For >10 Manholes, Deduct	*-63.85*
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	315.52
		For 80 Mil Material, Add	*46.01*
		For 100 Mil Material, Add	*92.01*
		For 125 Mil Material, Add	*145.23*
		For 150 Mil Material, Add	*198.44*
		For 200 Mil Material, Add	*293.42*
		For 2 To 5 Manholes, Deduct	*-21.50*
		For 6 To 10 Manholes, Deduct	*-35.12*
		For >10 Manholes, Deduct	*-70.23*
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	394.48
		For 80 Mil Material, Add	*57.53*
		For 100 Mil Material, Add	*115.07*
		For 125 Mil Material, Add	*181.62*
		For 150 Mil Material, Add	*248.17*
		For 200 Mil Material, Add	*366.96*
		For 2 To 5 Manholes, Deduct	*-26.88*
		For 6 To 10 Manholes, Deduct	*-43.90*
		For >10 Manholes, Deduct	*-87.80*
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	473.36
		For 80 Mil Material, Add	*69.04*
		For 100 Mil Material, Add	*138.07*
		For 125 Mil Material, Add	*217.93*
		For 150 Mil Material, Add	*297.78*
		For 200 Mil Material, Add	*440.31*
		For 2 To 5 Manholes, Deduct	*-32.26*
		For 6 To 10 Manholes, Deduct	*-52.68*
		For >10 Manholes, Deduct	*-105.36*

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	95.33	
		For Each Additional 1/2" Thick Material, Add	*27.77*	
		For 2 To 5 Manholes, Deduct	*-6.58*	
		For 6 To 10 Manholes, Deduct	*-10.78*	
		For >10 Manholes, Deduct	*-21.55*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	110.58	
		For Each Additional 1/2" Thick Material, Add	*32.34*	
		For 2 To 5 Manholes, Deduct	*-7.63*	
		For 6 To 10 Manholes, Deduct	*-12.49*	
		For >10 Manholes, Deduct	*-24.99*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	125.83	
		For Each Additional 1/2" Thick Material, Add	*36.90*	
		For 2 To 5 Manholes, Deduct	*-8.68*	
		For 6 To 10 Manholes, Deduct	*-14.21*	
		For >10 Manholes, Deduct	*-28.42*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	148.88	
		For Each Additional 1/2" Thick Material, Add	*45.43*	
		For 2 To 5 Manholes, Deduct	*-10.21*	
		For 6 To 10 Manholes, Deduct	*-16.70*	
		For >10 Manholes, Deduct	*-33.40*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	163.93	
		For Each Additional 1/2" Thick Material, Add	*52.87*	
		For 2 To 5 Manholes, Deduct	*-11.15*	
		For 6 To 10 Manholes, Deduct	*-18.21*	
		For >10 Manholes, Deduct	*-36.42*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	194.42	
		For 80 Mil Material, Add	*20.43*	
		For 100 Mil Material, Add	*40.87*	
		For 125 Mil Material, Add	*63.19*	
		For 150 Mil Material, Add	*85.51*	
		For 200 Mil Material, Add	*121.56*	
		For 2 To 5 Manholes, Deduct	*-14.02*	
		For 6 To 10 Manholes, Deduct	*-23.17*	
		For >10 Manholes, Deduct	*-46.34*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	236.36	
		For 80 Mil Material, Add	*24.55*	
		For 100 Mil Material, Add	*49.10*	
		For 125 Mil Material, Add	*75.86*	
		For 150 Mil Material, Add	*102.61*	
		For 200 Mil Material, Add	*145.62*	
		For 2 To 5 Manholes, Deduct	*-17.07*	
		For 6 To 10 Manholes, Deduct	*-28.22*	
		For >10 Manholes, Deduct	*-56.45*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	259.23	
		For 80 Mil Material, Add	*27.24*	
		For 100 Mil Material, Add	*54.49*	
		For 125 Mil Material, Add	*84.25*	
		For 150 Mil Material, Add	*114.01*	
		For 200 Mil Material, Add	*162.08*	
		For 2 To 5 Manholes, Deduct	*-18.69*	
		For 6 To 10 Manholes, Deduct	*-30.89*	
		For >10 Manholes, Deduct	*-61.79*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	324.04	
		For 80 Mil Material, Add	*34.05*	
		For 100 Mil Material, Add	*68.11*	
		For 125 Mil Material, Add	*105.31*	
		For 150 Mil Material, Add	*142.51*	
		For 200 Mil Material, Add	*202.60*	
		For 2 To 5 Manholes, Deduct	*-23.36*	
		For 6 To 10 Manholes, Deduct	*-38.62*	
		For >10 Manholes, Deduct	*-77.24*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	388.85	
		For 80 Mil Material, Add	*40.87*	
		For 100 Mil Material, Add	*81.73*	
		For 125 Mil Material, Add	*126.37*	
		For 150 Mil Material, Add	*171.02*	
		For 200 Mil Material, Add	*243.12*	
		For 2 To 5 Manholes, Deduct	*-28.03*	
		For 6 To 10 Manholes, Deduct	*-46.34*	
		For >10 Manholes, Deduct	*-92.68*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	513.47	
		For 2 To 5 Manholes, Deduct	*-28.34*	
		For 6 To 10 Manholes, Deduct	*-43.85*	
		For >10 Manholes, Deduct	*-87.70*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	629.03	
		For 2 To 5 Manholes, Deduct	*-34.71*	
		For 6 To 10 Manholes, Deduct	*-53.70*	
		For >10 Manholes, Deduct	*-107.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	750.74	
		For 2 To 5 Manholes, Deduct	*-41.10*	
		For 6 To 10 Manholes, Deduct	*-63.43*	
		For >10 Manholes, Deduct	*-126.85*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	941.96	
		For 2 To 5 Manholes, Deduct	*-51.55*	
		For 6 To 10 Manholes, Deduct	*-79.55*	
		For >10 Manholes, Deduct	*-159.09*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,133.19	
		For 2 To 5 Manholes, Deduct	*-62.00*	
		For 6 To 10 Manholes, Deduct	*-95.67*	
		For >10 Manholes, Deduct	*-191.34*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt See CSI section 02 41 13 13-0038 for breakup and removal of pavement, 02 41 19 13-0057 for sawcutting pavement if required, 32 12 16 13-0019 for hand placed hot mix asphalt.

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	443.03
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	502.56
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	556.00
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	616.71
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	665.23

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	540.88
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	590.97
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	655.02
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	716.92
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	775.46

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	614.59
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	650.24
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	688.25

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	751.88
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	820.06
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	888.82
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	942.06
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,026.54
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,101.59
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,175.08
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,249.73

33 01 30 86-0027 >12" Rise, Solid Manhole Risers *(33 01 30 86)*

33 01 30 86-0028 Precast Concrete Manhole Riser *(33 01 30 86-0027)*

33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	82.01
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	97.42
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	175.51
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	378.20
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	550.44

33 01 30 89 By-Pass Piping and Pumping of Water and Sewer Utilities *(33 01 30)*

33 01 30 89-0001 Set-Up For By-Pass Pumping Unit *(33 01 30 89)*

Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1205 for pump rental, 01 22 23 00-1238 for suction hose, 01 22 23 00-1257 for discharge hose.

33 01 30 89-0002	EA	Set-up For By-Pass Pumping Unit	1,159.59
33 01 30 89-0003	EA	Move And Set-up At Different Access/Location For By-Pass Pumping Unit	579.79

33 01 30 89-0004 By-Pass Pumping *(33 01 30 89)*

Note: Excludes pump rental. See CSI section 01 22 23 00-1205 for pump rental.

33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	289.90
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	1,449.48
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	6,087.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0008		**Temporary Bypass And Service Lines** *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009		**Temporary Water Service Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	1.92	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.	2.43	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.	2.83	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.	3.39	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.	4.18	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	208.34	
33 01 30 89-0016		**Temporary Bypass Water Main Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	4.65	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.96*	
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	8.50	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.24*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	13.08	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.45*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	16.81	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 5,000, Deduct	*-1.04*	
		For >5,000, Deduct	*-1.74*	
33 01 30 89-0021		**Piping Protection For Temporary Water Line** *(33 01 30 89-0008)*		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	2.26	
33 01 30 89-0023		**Drill Meter Cover For Temporary Water Line** *(33 01 30 89-0008)*		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	9.25	
33 01 30 89-0025		**Temporary By-Pass Plug** *(33 01 30 89)*		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	673.77	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,069.74	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	1,846.81	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,258.16	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,104.14	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001		**Pump Out Septic Tanks** *(33 01 34 13)*		
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.51	

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001		**Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System** *(33 01 40)* Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning.		
33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	52.78	
		For Profile Wall (Corrugated), Deduct	*-9.97*	
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	81.74	
		For Profile Wall (Corrugated), Deduct	*-15.62*	
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	73.51	
		For Profile Wall (Corrugated), Deduct	*-13.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	98.78	
		For Profile Wall (Corrugated), Deduct	*-18.72*	
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	111.23	
		For Profile Wall (Corrugated), Deduct	*-20.97*	
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	137.40	
		For Profile Wall (Corrugated), Deduct	*-26.12*	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	172.88	
		For Profile Wall (Corrugated), Deduct	*-32.87*	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	214.79	
		For Profile Wall (Corrugated), Deduct	*-41.01*	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	248.78	
		For Profile Wall (Corrugated), Deduct	*-47.57*	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	286.05	
		For Profile Wall (Corrugated), Deduct	*-54.78*	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	328.34	
		For Profile Wall (Corrugated), Deduct	*-63.00*	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	372.26	
		For Profile Wall (Corrugated), Deduct	*-71.54*	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	435.24	
		For Profile Wall (Corrugated), Deduct	*-83.89*	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	501.51	
		For Profile Wall (Corrugated), Deduct	*-96.90*	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	556.47	
		For Profile Wall (Corrugated), Deduct	*-107.65*	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	611.41	
		For Profile Wall (Corrugated), Deduct	*-118.40*	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	704.73	
		For Profile Wall (Corrugated), Deduct	*-136.82*	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	798.05	
		For Profile Wall (Corrugated), Deduct	*-155.24*	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,045.50	
		For Profile Wall (Corrugated), Deduct	*-204.48*	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,289.71	
		For Profile Wall (Corrugated), Deduct	*-253.08*	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,434.13	
		For Profile Wall (Corrugated), Deduct	*-281.72*	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,577.17	
		For Profile Wall (Corrugated), Deduct	*-310.09*	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,723.02	
		For Profile Wall (Corrugated), Deduct	*-339.02*	
33 01 40 00-0025	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	288.56	
		For Profile Wall (Corrugated), Deduct	*-55.26*	
33 01 40 00-0026	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	320.48	
		For Profile Wall (Corrugated), Deduct	*-61.19*	
33 01 40 00-0027	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	354.37	
33 01 40 00-0028	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	410.80	
		For Profile Wall (Corrugated), Deduct	*-78.61*	
33 01 40 00-0029	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	451.04	
		For Profile Wall (Corrugated), Deduct	*-86.33*	
33 01 40 00-0030	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	508.55	
		For Profile Wall (Corrugated), Deduct	*-97.51*	
33 01 40 00-0031	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	569.46	
		For Profile Wall (Corrugated), Deduct	*-109.37*	
33 01 40 00-0032	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	686.79	
		For Profile Wall (Corrugated), Deduct	*-132.19*	
33 01 40 00-0033	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	776.32	
33 01 40 00-0034	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	865.31	
		For Profile Wall (Corrugated), Deduct	*-167.25*	
33 01 40 00-0035	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,089.72	
		For Profile Wall (Corrugated), Deduct	*-211.80*	
33 01 40 00-0036	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,324.15	
		For Profile Wall (Corrugated), Deduct	*-258.37*	
33 01 40 00-0037	LF	48" x 75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,725.86	
		For Profile Wall (Corrugated), Deduct	*-338.71*	
33 01 40 00-0038	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,730.71	
		For Profile Wall (Corrugated), Deduct	*-338.71*	
33 01 40 00-0039	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,730.71	
		For Profile Wall (Corrugated), Deduct	*-338.71*	

33 01 60 Operation and Maintenance of Hydronic and Steam Energy Utilities *(33 01)*

33 01 60 00-0001 Remove Steel Pipe Coatings *(33 01 60)*

Note: Excludes sand blasting. See CSI section 09 01 90 52-0016 for sand blasting.

33 01 60 00-0002	SF	Removal Of Coating From Steel Pipe	1.61	
		For Work In Restricted Working Space, Add	*0.48*	
		For PPE And Bagging Removed Coating (Includes Respirator And Disposable Suit), Add	*0.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Set-up For Video Camera *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	167.83
33 01 70 51-0004	EA	Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe	188.81
33 01 70 51-0005	EA	Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	41.96
33 01 70 51-0006	EA	Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	62.93

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	0.64
		For >1,000 To 5,000, Deduct	*-0.03*
		For >5,000, Deduct	*-0.06*
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.00
		For >1,000 To 5,000, Deduct	*-0.05*
		For >5,000, Deduct	*-0.10*

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	6.34
		For Up To >10, Add	*9.50*
		For >10 To 25, Add	*7.28*
		For >25 To 50, Add	*4.56*
		For >50 To 100, Add	*2.28*
		For >500 To 1,000, Deduct	*-0.38*
		For >1,000 To 2,000, Deduct	*-0.60*
		For >2,000 To 5,000, Deduct	*-1.09*
		For >5,000, Deduct	*-1.77*
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	7.99
		For Up To >10, Add	*11.12*
		For >10 To 25, Add	*8.41*
		For >25 To 50, Add	*5.30*
		For >50 To 100, Add	*2.65*
		For >500 To 1,000, Deduct	*-0.47*
		For >1,000 To 2,000, Deduct	*-0.74*
		For >2,000 To 5,000, Deduct	*-1.33*
		For >5,000, Deduct	*-2.17*
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.04
		For Up To >10, Add	*13.92*
		For >10 To 25, Add	*10.52*
		For >25 To 50, Add	*6.64*
		For >50 To 100, Add	*3.32*
		For >500 To 1,000, Deduct	*-0.59*
		For >1,000 To 2,000, Deduct	*-0.93*
		For >2,000 To 5,000, Deduct	*-1.67*
		For >5,000, Deduct	*-2.72*
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	11.93
		For Up To >10, Add	*16.24*
		For >10 To 25, Add	*12.23*
		For >25 To 50, Add	*7.73*
		For >50 To 100, Add	*3.86*
		For >500 To 1,000, Deduct	*-0.70*
		For >1,000 To 2,000, Deduct	*-1.10*
		For >2,000 To 5,000, Deduct	*-1.97*
		For >5,000, Deduct	*-3.21*
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.59
		For Up To >10, Add	*17.87*
		For >10 To 25, Add	*13.37*
		For >25 To 50, Add	*8.48*
		For >50 To 100, Add	*4.24*
		For >500 To 1,000, Deduct	*-0.79*
		For >1,000 To 2,000, Deduct	*-1.24*
		For >2,000 To 5,000, Deduct	*-2.21*
		For >5,000, Deduct	*-3.60*
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.41
		For Up To >10, Add	*19.98*
		For >10 To 25, Add	*14.90*
		For >25 To 50, Add	*9.47*
		For >50 To 100, Add	*4.73*
		For >500 To 1,000, Deduct	*-0.89*
		For >1,000 To 2,000, Deduct	*-1.40*
		For >2,000 To 5,000, Deduct	*-2.49*
		For >5,000, Deduct	*-4.06*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	18.56	
		For Up To >10, Add	*22.73*	
		For >10 To 25, Add	*16.75*	
		For >25 To 50, Add	*10.71*	
		For >50 To 100, Add	*5.35*	
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-2.93*	
		For >5,000, Deduct	*-4.79*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	21.70	
		For Up To >10, Add	*25.48*	
		For >10 To 25, Add	*18.59*	
		For >25 To 50, Add	*11.95*	
		For >50 To 100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-1.92*	
		For >2,000 To 5,000, Deduct	*-3.36*	
		For >5,000, Deduct	*-5.51*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	8.24	
		For Up To >10, Add	*10.85*	
		For >10 To 25, Add	*8.11*	
		For >25 To 50, Add	*5.15*	
		For >50 To 100, Add	*2.57*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 5,000, Deduct	*-1.34*	
		For >5,000, Deduct	*-2.19*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.88	
		For Up To >10, Add	*13.74*	
		For >10 To 25, Add	*10.19*	
		For >25 To 50, Add	*6.49*	
		For >50 To 100, Add	*3.25*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-0.98*	
		For >2,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.84*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.53	
		For Up To >10, Add	*16.67*	
		For >10 To 25, Add	*12.29*	
		For >25 To 50, Add	*7.85*	
		For >50 To 100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000 To 5,000, Deduct	*-2.14*	
		For >5,000, Deduct	*-3.50*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	16.00	
		For Up To >10, Add	*19.08*	
		For >10 To 25, Add	*13.97*	
		For >25 To 50, Add	*8.96*	
		For >50 To 100, Add	*4.48*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.42*	
		For >2,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-4.09*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	18.41	
		For Up To >10, Add	*21.28*	
		For >10 To 25, Add	*15.47*	
		For >25 To 50, Add	*9.96*	
		For >50 To 100, Add	*4.98*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.62*	
		For >2,000 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-4.65*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.89	
		For Up To >10, Add	*23.70*	
		For >10 To 25, Add	*17.15*	
		For >25 To 50, Add	*11.07*	
		For >50 To 100, Add	*5.53*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-1.83*	
		For >2,000 To 5,000, Deduct	*-3.20*	
		For >5,000, Deduct	*-5.24*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	25.79	
		For Up To >10, Add	*28.35*	
		For >10 To 25, Add	*20.35*	
		For >25 To 50, Add	*13.19*	
		For >50 To 100, Add	*6.60*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.24*	
		For >2,000 To 5,000, Deduct	*-3.90*	
		For >5,000, Deduct	*-6.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	30.42	
		For Up To >10, Add	*32.21*	
		For >10 To 25, Add	*22.91*	
		For >25 To 50, Add	*14.92*	
		For >50 To 100, Add	*7.46*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-2.62*	
		For >2,000 To 5,000, Deduct	*-4.53*	
		For >5,000, Deduct	*-7.44*	

33 05 Common Work Results for Utilities *(33)*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	13.38
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	16.14
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	22.15
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	28.60
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	57.74
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	84.23
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	101.21
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	120.90
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	209.21
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	278.16
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	343.09
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	391.99
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	579.89
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	624.84
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	679.54
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	712.42
33 05 07 13-0018	EA	Minimum Set-up Charge For 8" To 20" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,901.87
33 05 07 13-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,885.80
33 05 07 13-0020	EA	Minimum Set-up Charge For >36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,262.02

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	7.92
		For Horizontal Boring Through Rock, Add	*5.54*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	11.87
		For Horizontal Boring Through Rock, Add	*8.31*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	16.49
		For Horizontal Boring Through Rock, Add	*11.54*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	20.45
		For Horizontal Boring Through Rock, Add	*14.32*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	24.41
		For Horizontal Boring Through Rock, Add	*17.09*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	28.37
		For Horizontal Boring Through Rock, Add	*19.86*
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	32.99
		For Horizontal Boring Through Rock, Add	*23.09*
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	40.76
		For Horizontal Boring Through Rock, Add	*28.53*
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	44.15
		For Horizontal Boring Through Rock, Add	*30.91*
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	47.55
		For Horizontal Boring Through Rock, Add	*33.29*
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	98.49
		For Horizontal Boring Through Rock, Add	*68.94*
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	164.33
		For Horizontal Boring Through Rock, Add	*115.03*
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	250.50
		For Horizontal Boring Through Rock, Add	*175.35*
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	400.81
		For Horizontal Boring Through Rock, Add	*280.57*
33 05 07 13-0036	EA	Minimum Set-up Charge For Up To 6" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,451.56
33 05 07 13-0037	EA	Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,901.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0038	EA	Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,885.80	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	54.91	
		For Horizontal Jacking Through Rock, Add	*22.26*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	65.69	
		For Horizontal Jacking Through Rock, Add	*26.86*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	88.34	
		For Horizontal Jacking Through Rock, Add	*36.83*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	114.20	
		For Horizontal Jacking Through Rock, Add	*47.58*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	154.11	
		For Horizontal Jacking Through Rock, Add	*65.22*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	226.30	
		For Horizontal Jacking Through Rock, Add	*95.16*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	272.61	
		For Horizontal Jacking Through Rock, Add	*114.34*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	325.42	
		For Horizontal Jacking Through Rock, Add	*136.60*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	487.93	
		For Horizontal Jacking Through Rock, Add	*237.11*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	905.49	
		For Horizontal Jacking Through Rock, Add	*266.11*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,036.77	
		For Horizontal Jacking Through Rock, Add	*328.59*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,167.13	
		For Horizontal Jacking Through Rock, Add	*375.71*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,252.03	
		For Horizontal Jacking Through Rock, Add	*405.72*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,359.98	
		For Horizontal Jacking Through Rock, Add	*437.16*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,446.45	
		For Horizontal Jacking Through Rock, Add	*475.76*	
33 05 07 23-0017	EA	Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,451.56	
33 05 07 23-0018	EA	Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,901.87	
33 05 07 23-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,885.80	
33 05 07 23-0020	EA	Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,262.02	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	20.06	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	21.21	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.97	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.79	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	31.74	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	36.09	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	40.43	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

Note: Includes detectable tracer wire.

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.24	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.70	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.19	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.07	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.60	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.14	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.04	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.20	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.38	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	16.43	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.80	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 13 Couplings for Utility Piping *(33 05 09)*
See CSI section 33 42 11 00-0060 for couplings.

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0566 for mechanical restraints, 33 14 13 13-0601 for flanged restraints, 33 14 13 13-1186 for slip-on restraints, 33 14 13 13-1202 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0533 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0084 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0877 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0285 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0274 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0296 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001		ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)* Note: Excludes boring.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	2.90	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.27	
		For Up To 250, Add	*0.16*	
		For >250 To 500, Add	*0.11*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.58	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.97	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.74	
		For Up To 250, Add	*0.45*	
		For >250 To 500, Add	*0.30*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.55	
		For Up To 250, Add	*0.69*	
		For >250 To 500, Add	*0.46*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	2.99	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.44	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.72	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.31	
		For Up To 250, Add	*0.27*	
		For >250 To 500, Add	*0.18*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.50	
		For Up To 250, Add	*0.56*	
		For >250 To 500, Add	*0.38*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.51	
		For Up To 250, Add	*0.83*	
		For >250 To 500, Add	*0.55*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0400 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,493.78	162.06
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,011.48	232.78
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	2,629.39	353.60
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	270.65	41.25
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	298.24	41.25
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	527.92	41.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	404.58	41.25
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	614.65	41.25
33 05 61 00-0012		**4' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,146.53	185.64
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	2,853.87	253.42
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	3,679.56	383.06
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	380.93	48.62
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	422.76	48.62
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	770.85	48.62
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	583.93	48.62
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	902.34	48.62
33 05 61 00-0021		**5' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	4,306.57	206.27
		For Bitumastic Coating, Add	*108.37*	
		For Epoxy Coating, Add	*259.10*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	5,722.05	282.88
		For Bitumastic Coating, Add	*162.55*	
		For Epoxy Coating, Add	*388.65*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	7,268.73	424.32
		For Bitumastic Coating, Add	*216.74*	
		For Epoxy Coating, Add	*518.21*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	738.14	53.04
		For Bitumastic Coating, Add	*27.09*	
		For Epoxy Coating, Add	*64.78*	
33 05 61 00-0026		**6' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	5,869.76	229.84
		For Bitumastic Coating, Add	*124.07*	
		For Epoxy Coating, Add	*303.34*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	7,616.82	312.35
		For Bitumastic Coating, Add	*186.10*	
		For Epoxy Coating, Add	*455.01*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	9,510.73	471.46
		For Bitumastic Coating, Add	*248.13*	
		For Epoxy Coating, Add	*606.68*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	907.06	58.93
		For Bitumastic Coating, Add	*31.02*	
		For Epoxy Coating, Add	*75.84*	
33 05 61 00-0031		**7' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	9,461.36	253.42
		For Bitumastic Coating, Add	*263.83*	
		For Epoxy Coating, Add	*530.07*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	12,200.67	345.64
		For Bitumastic Coating, Add	*395.74*	
		For Epoxy Coating, Add	*795.10*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	15,101.44	518.61
		For Bitumastic Coating, Add	*527.66*	
		For Epoxy Coating, Add	*1,060.14*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,407.08	64.83
		For Bitumastic Coating, Add	*65.96*	
		For Epoxy Coating, Add	*132.52*	
33 05 61 00-0036		**8' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	13,835.83	291.72
		For Bitumastic Coating, Add	*311.90*	
		For Epoxy Coating, Add	*646.11*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	17,902.79	397.80
		For Bitumastic Coating, Add	*467.86*	
		For Epoxy Coating, Add	*969.16*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	22,155.38	596.70
		For Bitumastic Coating, Add	*623.81*	
		For Epoxy Coating, Add	*1,292.21*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,074.74	73.66
		For Bitumastic Coating, Add	*77.98*	
		For Epoxy Coating, Add	*161.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0012 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,067.01
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,997.78
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,595.07
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,615.39
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,108.79
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,219.21
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,330.24
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,590.64
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	10,590.64
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,335.38
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,510.52
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,801.22
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,580.49
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,159.08

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	2,841.85
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,690.10
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,391.70
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,174.07
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,271.95
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,690.09
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,760.03
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,690.07
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,517.03
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,467.69
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,128.29
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,496.00
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,610.16
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,290.79
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,815.78

33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,684.79
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,770.14
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,753.06
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,927.95
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,035.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,300.21	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,565.26	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,443.39	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,600.03	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,745.49	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,190.79	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,639.22	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,423.13	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,845.14	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,498.39	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,840.39	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,874.16	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,961.56	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,381.19	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,206.65	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	4,438.41	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	5,702.90	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	7,141.17	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	10,129.00	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	4,946.74	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	7,141.17	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	9,326.45	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	11,630.05	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	17,085.27	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	314.06	12.00
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	242.63	26.62
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	371.69	39.93
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	443.41	39.93
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	419.71	39.93
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	523.16	39.93
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	507.55	39.93
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	717.01	39.93
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,024.48	53.24
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,475.27	53.24
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	886.48	73.20
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,027.65	73.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,762.02	73.20
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	943.69	79.86
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,406.10	79.86
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,784.25	79.86
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,678.63	79.86
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,384.22	143.25
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,080.17	143.25
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	407.76	12.00
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	483.29	39.93
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	598.74	39.93
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	547.06	39.93
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	635.48	39.93
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	658.66	39.93
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	869.43	39.93
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,123.79	73.20
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,264.96	73.20
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,999.36	73.20
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,661.53	143.25
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,362.78	143.25
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	528.34	12.00
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	443.54	12.00
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.10	39.93
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.14	39.93
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	108.54	12.00
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	179.46	12.00
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	302.55	12.00
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.44	12.00
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.43	26.62
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	260.28	26.62
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	176.41	12.00
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	204.32	12.00
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.90	26.62
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.32	26.62
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.46	26.62
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.43	39.93
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	349.11	39.93
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	377.13	39.93
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	419.33	39.93
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.49	39.93
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	554.54	39.93
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.41	39.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	645.53	39.93
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	759.69	53.24
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	733.55	73.20
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	978.21	73.20
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,204.12	73.20
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,346.79	73.20
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,488.69	73.20
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,655.73	143.25
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,155.60	143.25
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,336.80	143.25
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,683.28	143.25
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,679.72	143.25
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,809.06	143.25
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,057.80	143.25
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,864.97	153.48
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,040.58	153.48
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,264.79	153.48
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,354.50	153.48
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,385.68	153.48
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,727.31	153.48
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,063.86	153.48
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,783.70	153.48
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,144.84	163.72
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,928.05	163.72
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,095.26	163.72

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.02	39.93
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.26	39.93
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	197.51	12.00
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	294.44	12.00
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.58	12.00
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	416.50	12.00
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	334.98	26.62
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	350.89	26.62
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	372.15	26.62
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.43	12.00
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	326.79	12.00
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	371.63	26.62
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.05	26.62
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.39	26.62
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	438.31	39.93
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	476.45	39.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	528.54	39.93
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	570.47	39.93
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	654.38	39.93
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	705.66	39.93
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	761.28	39.93
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	796.65	39.93
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	968.44	53.24
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	970.89	73.20
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,215.25	73.20
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,440.91	73.20
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,583.36	73.20
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,725.73	73.20
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,430.29	143.25
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,611.76	143.25
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,957.98	143.25
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	397.54	39.93
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	473.83	39.93
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	140.80	12.00
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	244.64	12.00
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.14	12.00
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	375.33	12.00
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	307.70	26.62
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	351.92	26.62
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	211.58	12.00
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	329.43	26.62
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	384.51	26.62
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	343.74	26.62
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	432.46	39.93
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.77	39.93
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.81	39.93
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	592.44	39.93
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	647.30	39.93
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	699.09	39.93
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	791.83	39.93
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	804.76	39.93
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	984.61	53.24
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	991.85	73.20
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,261.73	73.20
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,528.63	73.20
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,705.91	73.20
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,883.19	73.20
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,986.03	143.25
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,485.91	143.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,681.25	143.25
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,027.49	143.25
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,180.22	143.25
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,228.04	143.25
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,692.00	143.25
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,472.11	153.48
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,562.85	153.48
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,820.25	153.48
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,015.07	153.48
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,754.66	153.48
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,451.41	153.48
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,971.59	153.48
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,284.21	153.48
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,004.74	163.72
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,788.27	163.72
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,527.03	163.72

33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	527.44	39.93
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	628.24	39.93
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	229.05	12.00
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.40	12.00
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	458.97	12.00
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	474.36	12.00
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	421.43	26.62
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	465.38	26.62
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	337.69	12.00
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	442.64	26.62
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	497.72	26.62
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	426.22	26.62
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	559.85	39.93
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	635.16	39.93
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	683.93	39.93
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	743.58	39.93
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	798.42	39.93
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	850.23	39.93
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	942.99	39.93
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	955.87	39.93
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,193.09	53.24
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,229.16	73.20
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,498.80	73.20
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,765.41	73.20
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,942.82	73.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,120.23	73.20
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,760.86	143.25
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,956.46	143.25
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,302.45	143.25
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	429.21	39.93
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	290.50	26.62
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	332.97	26.62
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	374.09	39.93
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	304.41	26.62
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	345.09	26.62
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	295.01	39.93
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	339.27	39.93
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	376.60	53.24
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	420.05	53.24
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	480.14	73.20
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	897.81	143.25
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	850.30	143.25
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	860.67	143.25
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,208.54	153.48
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,013.77	163.72
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,703.93	163.72
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	527.26	39.93
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	554.30	39.93
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	574.71	53.24
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	618.63	53.24
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	697.42	73.20
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,157.37	143.25
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	395.07	39.93
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	448.41	39.93
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	556.66	73.20
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,157.67	153.48
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	120.52	5.33
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	122.23	5.33
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	112.48	5.33
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	122.56	5.33
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	123.85	5.32
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	143.70	5.32
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	168.25	5.32
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,148.05	18.42
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,001.67	18.42
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,511.55	18.42
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,528.93	18.42
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,735.24	18.42
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,892.82	18.42
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,056.30	18.42
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.65	5.32
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	150.37	5.32
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	152.64	5.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	194.86	5.32
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	144.33	5.32
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	232.52	5.32
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	180.21	5.32
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	381.32	5.32
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	327.32	7.99
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	414.37	7.99
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	536.06	9.31
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	758.52	14.32
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	786.19	27.29
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	197.39	5.32
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	286.10	5.32
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	327.05	5.32
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	551.05	5.32
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	446.98	7.99
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	763.98	9.31
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,005.42	14.32
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,357.92	18.42
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,204.55	18.42
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,692.27	18.42
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,210.98	18.42
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,116.36	18.42
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,225.22	18.42
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	4,995.08	18.42
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	263.11	5.32
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	288.74	5.32
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	383.65	5.32
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	438.73	5.32
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	766.29	5.32
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	548.41	7.99
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	755.79	7.99
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,178.10	9.31
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,349.11	14.32
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,401.55	27.29
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,621.98	18.42
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,274.08	18.42
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,191.28	18.42
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,845.13	18.42
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	4,731.04	18.42
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	7,315.71	18.42

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.03	5.33
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	148.61	5.33
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	151.40	5.32
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	152.46	5.32
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	177.61	5.32
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	109.56	5.32
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	158.48	5.32
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	160.05	5.32
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	203.22	5.32
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	153.42	5.32
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	189.82	5.32
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	241.36	5.32
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	333.25	7.99
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	423.48	7.99
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	795.56	27.29
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	89.45	5.33
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	145.93	5.33
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	163.53	5.33
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	155.71	5.33
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	126.38	5.32
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	205.48	5.32
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	223.76	5.32
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	294.70	5.32
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	336.39	5.32
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	455.34	7.99
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	572.56	7.99
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,054.57	27.29

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	70.03	5.33
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	85.22	5.33
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	105.67	5.33
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	114.77	5.33
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	114.51	5.32
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	137.81	5.32
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	160.70	5.32
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	399.45	7.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	752.10	27.29
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,135.26	18.42
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	987.22	18.42
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,487.78	18.42
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,434.85	18.42
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,721.44	18.42
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,841.84	18.42
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,958.32	18.42
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.33	5.32
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	94.80	5.32
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	144.91	5.32
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	160.25	5.32
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.74	5.32
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	136.49	5.32
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	153.42	5.32
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	221.90	5.32
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	320.44	7.99
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	404.17	7.99
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	399.20	7.99
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	727.43	14.32
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	752.10	16.37

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,182.95	18.42
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,723.21	18.42
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	991.38	27.29
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,321.18	27.29
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,409.80	18.42
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,929.76	18.42

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	455.49	7.99
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	855.83	14.32
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	893.11	27.29
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	65.80	5.33
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	115.57	5.33
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	128.16	5.33
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	136.50	5.33
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	118.54	5.32
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	216.34	5.32
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	615.39	7.99
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,144.19	14.32
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,197.37	27.29

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	861.65	142.06
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,527.41	213.09
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*76.94*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,772.69	284.12
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*127.30*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,875.45	284.12
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*156.59*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,140.44	355.14
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*184.89*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,310.01	355.14
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*213.22*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,619.23	426.17
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*245.83*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,983.74	497.20
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*371.89*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,125.93	426.17
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*435.15*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,169.52	426.17
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*264.95*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	582.45	142.06
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	709.73	159.82
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	928.77	177.57
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	79.02	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	55.73	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	106.41	

33 05 81 00-0006 Inlet shields *(33 05 81 00-0001)*

33 05 81 00-0007	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes Note: Includes installing hook in concrete.	573.33	
33 05 81 00-0008	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Flush Mount With Plate And Hook Note: Includes bolting plate to concrete.	711.94	
33 05 81 00-0009	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Riser Mount With Plate And Hook Note: Includes bolting plate to concrete.	757.01	
33 05 81 00-0010	EA	Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Flush Mount Note: Includes bolting plate to concrete.	772.03	
33 05 81 00-0011	EA	Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Riser Mount Note: Includes bolting plate to concrete.	802.07	

33 05 81 00-0012 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0013 Regular Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0014	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,604.34	50.69
		For Ductile Iron Castings, Add	*2,415.78*	
33 05 81 00-0015	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,828.39	50.69
		For Ductile Iron Castings, Add	*1,172.61*	
33 05 81 00-0016	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,113.63	58.93
		For Ductile Iron Castings, Add	*1,355.78*	
33 05 81 00-0017	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,561.71	65.41
		For Ductile Iron Castings, Add	*2,355.68*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,882.72	70.72
		For Ductile Iron Castings, Add	*1,868.80*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,011.06	73.66
		For Ductile Iron Castings, Add	*1,953.05*	

33 05 81 00-0020 Watertight Type Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0021	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,977.45	41.84
		For Ductile Iron Castings, Add	*2,667.63*	
33 05 81 00-0022	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,003.65	41.84
		For Ductile Iron Castings, Add	*2,676.37*	
33 05 81 00-0023	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,045.05	48.92
		For Ductile Iron Castings, Add	*2,694.02*	
33 05 81 00-0024	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,880.04	54.81
		For Ductile Iron Castings, Add	*3,266.92*	
33 05 81 00-0025	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,730.51	55.98
		For Ductile Iron Castings, Add	*3,856.66*	
33 05 81 00-0026	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,057.68	57.17
		For Ductile Iron Castings, Add	*4,083.65*	
33 05 81 00-0027	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,349.59	58.93
		For Ductile Iron Castings, Add	*4,285.89*	

33 05 81 00-0028 Aluminum Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0029	EA	12" Square Aluminum Manhole Cover With Frame	1,509.72	13.88
33 05 81 00-0030	EA	18" Square Aluminum Manhole Cover With Frame	2,856.39	15.37
33 05 81 00-0031	EA	24" Square Aluminum Manhole Cover With Frame	4,141.23	17.85

33 05 81 00-0032 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0012)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0033	EA	Removal And Reinstallation Of Manhole Cover And Frame	236.29	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	38.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0004		Rainguard Inflow Protectors *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	96.78	11.54
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	121.61	11.54
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	145.14	13.83
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	160.83	13.83
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	205.00	16.14
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	224.27	16.14

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001		Manhole Accessories *(33 05 84)*		
33 05 84 00-0002		Precast Concrete Manhole Tops *(33 05 84 00-0001)*		
33 05 84 00-0003		Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*		
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	483.22	44.20
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	736.05	47.73
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,055.25	51.27
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,291.37	54.81
33 05 84 00-0008		Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*		
33 05 84 00-0009	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	833.84	55.25
33 05 84 00-0010	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	944.81	57.46
33 05 84 00-0011	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,055.81	59.67
33 05 84 00-0012	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,274.81	63.35
33 05 84 00-0013	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,496.78	67.77
33 05 84 00-0014	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,524.12	72.20
33 05 84 00-0015	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,218.12	79.56
33 05 84 00-0016		Pipe To Manhole Connector *(33 05 84 00-0001)*		
33 05 84 00-0017		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0016)*		
33 05 84 00-0018	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	72.95	
33 05 84 00-0019	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	114.00	
33 05 84 00-0020	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	128.20	
33 05 84 00-0021	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	204.19	
33 05 84 00-0022	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	289.58	
33 05 84 00-0023	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	379.35	
33 05 84 00-0024	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	707.42	
33 05 84 00-0025	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	988.23	
33 05 84 00-0026	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,587.45	
33 05 84 00-0027	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,860.43	
33 05 84 00-0028		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0016)* Note: Fernco CMA.		
33 05 84 00-0029	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	81.72	
33 05 84 00-0030	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	115.88	
33 05 84 00-0031	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	147.17	
33 05 84 00-0032	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	178.24	
33 05 84 00-0033	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	206.25	
33 05 84 00-0034		Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0016)*		
33 05 84 00-0035	EA	Seal Gap Between Pipe And Structure With Brick And Grout	193.81	
33 05 84 00-0036		Inverts For Manholes *(33 05 84 00-0001)*		
33 05 84 00-0037	EA	Single Channel Concrete Invert For Manholes	282.47	
33 05 84 00-0038	EA	Double Channel Concrete Invert For Manholes	403.46	
33 05 84 00-0039	EA	Triple Channel Concrete Invert For Manholes	544.75	
33 05 84 00-0040	EA	Quad Channel Concrete Invert For Manholes	686.01	
33 05 84 00-0041	EA	Single Channel Brick Invert For Manholes	458.25	
33 05 84 00-0042	EA	Double Channel Brick Invert For Manholes	685.21	
33 05 84 00-0043	EA	Triple Channel Brick Invert For Manholes	915.86	
33 05 84 00-0044	EA	Quad Channel Brick Invert For Manholes	1,144.91	
33 05 84 00-0045		Protective Coating For New Manholes *(33 05 84 00-0001)*		
33 05 84 00-0046		Polyurethane Protective Coating For New Manholes *(33 05 84 00-0045)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0047	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	150.76	
		For 80 Mil Material, Add	*28.06*	
		For 100 Mil Material, Add	*56.13*	
		For 125 Mil Material, Add	*89.60*	
		For 150 Mil Material, Add	*123.07*	
		For 200 Mil Material, Add	*185.72*	
		For 2 To 5 Manholes, Deduct	*-9.69*	
		For 6 To 10 Manholes, Deduct	*-15.60*	
		For >10 Manholes, Deduct	*-31.20*	
33 05 84 00-0048	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	180.72	
		For 80 Mil Material, Add	*33.12*	
		For 100 Mil Material, Add	*66.24*	
		For 125 Mil Material, Add	*105.68*	
		For 150 Mil Material, Add	*145.12*	
		For 200 Mil Material, Add	*218.74*	
		For 2 To 5 Manholes, Deduct	*-11.66*	
		For 6 To 10 Manholes, Deduct	*-18.80*	
		For >10 Manholes, Deduct	*-37.61*	
33 05 84 00-0049	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	201.01	
		For 80 Mil Material, Add	*37.42*	
		For 100 Mil Material, Add	*74.84*	
		For 125 Mil Material, Add	*119.46*	
		For 150 Mil Material, Add	*164.09*	
		For 200 Mil Material, Add	*247.62*	
		For 2 To 5 Manholes, Deduct	*-12.91*	
		For 6 To 10 Manholes, Deduct	*-20.80*	
		For >10 Manholes, Deduct	*-41.60*	
33 05 84 00-0050	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	251.33	
		For 80 Mil Material, Add	*46.80*	
		For 100 Mil Material, Add	*93.60*	
		For 125 Mil Material, Add	*149.41*	
		For 150 Mil Material, Add	*205.23*	
		For 200 Mil Material, Add	*309.70*	
		For 2 To 5 Manholes, Deduct	*-16.15*	
		For 6 To 10 Manholes, Deduct	*-26.01*	
		For >10 Manholes, Deduct	*-52.01*	
33 05 84 00-0051	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	293.95	
		For 80 Mil Material, Add	*55.58*	
		For 100 Mil Material, Add	*111.16*	
		For 125 Mil Material, Add	*177.56*	
		For 150 Mil Material, Add	*243.96*	
		For 200 Mil Material, Add	*368.55*	
		For 2 To 5 Manholes, Deduct	*-18.80*	
		For 6 To 10 Manholes, Deduct	*-30.25*	
		For >10 Manholes, Deduct	*-60.51*	

33 05 84 00-0052 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0045)*

Note: For new manholes and shop applied.

33 05 84 00-0053	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	305.01
33 05 84 00-0054	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	373.88
33 05 84 00-0055	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	456.26
33 05 84 00-0056	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	572.97
33 05 84 00-0057	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	689.69
33 05 84 00-0058	SF	Polyvinyl Chloride (PVC) Liner At Structures	45.21

33 05 84 00-0059 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0060 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0059)*

33 05 84 00-0061	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	73.65
33 05 84 00-0062	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	83.07
33 05 84 00-0063	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	92.49
33 05 84 00-0064	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	101.91

33 05 84 00-0065 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0059)*

33 05 84 00-0066	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	83.01
33 05 84 00-0067	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	93.72
33 05 84 00-0068	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	104.43
33 05 84 00-0069	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	115.14

33 05 84 00-0070 30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0059)*

33 05 84 00-0071	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	92.11
33 05 84 00-0072	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	104.05
33 05 84 00-0073	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	115.99
33 05 84 00-0074	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	127.93

33 05 84 00-0075 Bentonite Collar *(33 05 84 00-0001)*

33 05 84 00-0076 Bentonite Collar At Manhole Connections *(33 05 84 00-0075)*

33 05 84 00-0077	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	117.72
33 05 84 00-0078	EA	>12" To 21", Bentonite Collar At Manhole Connection	186.02
33 05 84 00-0079	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	289.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0080	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	672.15	
33 05 84 00-0081	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,082.68	
33 05 84 00-0082	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,976.44	

33 05 84 00-0083 Waste Water Collection System Taps *(33 05 84)*

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0084 Brick Manhole Taps *(33 05 84 00-0083)*

33 05 84 00-0085	EA	4" Tap In 6" Brick Manhole	317.99	
33 05 84 00-0086	EA	6" Tap In 6" Brick Manhole	352.68	
33 05 84 00-0087	EA	8" Tap In 6" Brick Manhole	386.75	
33 05 84 00-0088	EA	10" Tap In 6" Brick Manhole	420.77	
33 05 84 00-0089	EA	12" Tap In 6" Brick Manhole	468.72	
33 05 84 00-0090	EA	15" Tap In 6" Brick Manhole	502.66	

33 05 84 00-0091 Precast Concrete Manhole Tap *(33 05 84 00-0083)*

33 05 84 00-0092	EA	4" Tap In Existing Precast Concrete Manhole	455.53	
33 05 84 00-0093	EA	6" Tap In Existing Precast Concrete Manhole	507.58	
33 05 84 00-0094	EA	8" Tap In Existing Precast Concrete Manhole	571.89	
33 05 84 00-0095	EA	10" Tap In Existing Precast Concrete Manhole	622.91	
33 05 84 00-0096	EA	12" Tap In Existing Precast Concrete Manhole	673.82	
33 05 84 00-0097	EA	15" Tap In Existing Precast Concrete Manhole	725.97	
33 05 84 00-0098	EA	18" Tap In Existing Precast Concrete Manhole	851.87	
33 05 84 00-0099	EA	24" Tap In Existing Precast Concrete Manhole	1,105.87	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

33 05 97 16-0001 Reflective Sheeting Delineators *(33 05 97 16)*

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square	29.39	
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square	33.03	
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square	40.30	
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square	43.94	
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square	47.58	
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square	37.58	
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	30.30	
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	33.94	
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	33.94	
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	37.58	
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	41.21	
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	44.85	
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	77.60	
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	43.94	
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	82.15	
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	77.60	
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	81.24	
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	82.15	
33 05 97 16-0020	EA	Relocate Delineator	31.07	

33 05 97 16-0021 Reference Markers *(33 05 97 16)*

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height	90.09	
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height	120.22	
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted	111.43	
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only	129.30	
33 05 97 16-0026	EA	Relocate Reference Marker	31.07	

33 05 97 16-0027 Object Markers *(33 05 97 16)*

33 05 97 16-0028	EA	Object Marker, Type L-1	77.80	
33 05 97 16-0029	EA	Object Marker, Type L-2	69.85	
33 05 97 16-0030	EA	Object Marker, Type K-1	84.15	
33 05 97 16-0031	EA	Object Marker, Type K-2	76.21	
33 05 97 16-0032	EA	Object Marker, Type Q	44.42	

33 05 97 16-0033 Snowplowing Marker *(33 05 97 16)*

33 05 97 16-0034	EA	Snowplowing Marker, Single Unit	88.92	
33 05 97 16-0035	EA	Snowplowing Marker, Double Unit	93.94	
33 05 97 16-0036	EA	Supplementary Snowplowing Marker	93.94	
33 05 97 16-0037	EA	Relocate Snowplowing Marker	31.37	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	5.87
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	9.22

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*
Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	6.28
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	9.22
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	16.25

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*
Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	716.12
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	855.89
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,283.84

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*
Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	16.58
		For >100 To 250, Add	*0.41*
		For >250 To 400, Add	*0.83*
		For >400 To 600, Add	*1.24*
		For >600 To 750, Add	*1.66*
		For >750, Add	*2.07*
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	19.69
		For >100 To 250, Add	*0.49*
		For >250 To 400, Add	*0.98*
		For >400 To 600, Add	*1.48*
		For >600 To 750, Add	*1.97*
		For >750, Add	*2.46*
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	26.32
		For >100 To 250, Add	*0.66*
		For >250 To 400, Add	*1.32*
		For >400 To 600, Add	*1.97*
		For >600 To 750, Add	*2.63*
		For >750, Add	*3.29*
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	41.19
		For >100 To 250, Add	*1.03*
		For >250 To 400, Add	*2.06*
		For >400 To 600, Add	*3.09*
		For >600 To 750, Add	*4.12*
		For >750, Add	*5.15*
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	59.27
		For >100 To 250, Add	*1.48*
		For >250 To 400, Add	*2.96*
		For >400 To 600, Add	*4.45*
		For >600 To 750, Add	*5.93*
		For >750, Add	*7.41*
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	77.46
		For >100 To 250, Add	*1.94*
		For >250 To 400, Add	*3.87*
		For >400 To 600, Add	*5.81*
		For >600 To 750, Add	*7.75*
		For >750, Add	*9.68*
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	92.01
		For >100 To 250, Add	*2.30*
		For >250 To 400, Add	*4.60*
		For >400 To 600, Add	*6.90*
		For >600 To 750, Add	*9.20*
		For >750, Add	*11.50*
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	106.98
		For >100 To 250, Add	*2.67*
		For >250 To 400, Add	*5.35*
		For >400 To 600, Add	*8.02*
		For >600 To 750, Add	*10.70*
		For >750, Add	*13.37*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	125.71	
		For >100 To 250, Add	*3.14*	
		For >250 To 400, Add	*6.29*	
		For >400 To 600, Add	*9.43*	
		For >600 To 750, Add	*12.57*	
		For >750, Add	*15.71*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	148.18	
		For >100 To 250, Add	*3.70*	
		For >250 To 400, Add	*7.41*	
		For >400 To 600, Add	*11.11*	
		For >600 To 750, Add	*14.82*	
		For >750, Add	*18.52*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	160.16	
		For >100 To 250, Add	*4.00*	
		For >250 To 400, Add	*8.01*	
		For >400 To 600, Add	*12.01*	
		For >600 To 750, Add	*16.02*	
		For >750, Add	*20.02*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	176.20	
		For >100 To 250, Add	*4.41*	
		For >250 To 400, Add	*8.81*	
		For >400 To 600, Add	*13.22*	
		For >600 To 750, Add	*17.62*	
		For >750, Add	*22.03*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	193.01	
		For >100 To 250, Add	*4.83*	
		For >250 To 400, Add	*9.65*	
		For >400 To 600, Add	*14.48*	
		For >600 To 750, Add	*19.30*	
		For >750, Add	*24.13*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	240.07	
		For >100 To 250, Add	*6.00*	
		For >250 To 400, Add	*12.00*	
		For >400 To 600, Add	*18.01*	
		For >600 To 750, Add	*24.01*	
		For >750, Add	*30.01*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	33.80	
		For >100 To 250, Add	*0.85*	
		For >250 To 400, Add	*1.69*	
		For >400 To 600, Add	*2.54*	
		For >600 To 750, Add	*3.38*	
		For >750, Add	*4.23*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	39.37	
		For >100 To 250, Add	*0.98*	
		For >250 To 400, Add	*1.97*	
		For >400 To 600, Add	*2.95*	
		For >600 To 750, Add	*3.94*	
		For >750, Add	*4.92*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	63.04	
		For >100 To 250, Add	*1.58*	
		For >250 To 400, Add	*3.15*	
		For >400 To 600, Add	*4.73*	
		For >600 To 750, Add	*6.30*	
		For >750, Add	*7.88*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	82.43	
		For >100 To 250, Add	*2.06*	
		For >250 To 400, Add	*4.12*	
		For >400 To 600, Add	*6.18*	
		For >600 To 750, Add	*8.24*	
		For >750, Add	*10.30*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	118.63	
		For >100 To 250, Add	*2.97*	
		For >250 To 400, Add	*5.93*	
		For >400 To 600, Add	*8.90*	
		For >600 To 750, Add	*11.86*	
		For >750, Add	*14.83*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	154.83	
		For >100 To 250, Add	*3.87*	
		For >250 To 400, Add	*7.74*	
		For >400 To 600, Add	*11.61*	
		For >600 To 750, Add	*15.48*	
		For >750, Add	*19.35*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	184.11	
		For >100 To 250, Add	*4.60*	
		For >250 To 400, Add	*9.21*	
		For >400 To 600, Add	*13.81*	
		For >600 To 750, Add	*18.41*	
		For >750, Add	*23.01*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	213.63	
		For >100 To 250, Add	*5.34*	
		For >250 To 400, Add	*10.68*	
		For >400 To 600, Add	*16.02*	
		For >600 To 750, Add	*21.36*	
		For >750, Add	*26.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	251.63	
		For >100 To 250, Add	*6.29*	
		For >250 To 400, Add	*12.58*	
		For >400 To 600, Add	*18.87*	
		For >600 To 750, Add	*25.16*	
		For >750, Add	*31.45*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	290.66	
		For >100 To 250, Add	*7.27*	
		For >250 To 400, Add	*14.53*	
		For >400 To 600, Add	*21.80*	
		For >600 To 750, Add	*29.07*	
		For >750, Add	*36.33*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	320.32	
		For >100 To 250, Add	*8.01*	
		For >250 To 400, Add	*16.02*	
		For >400 To 600, Add	*24.02*	
		For >600 To 750, Add	*32.03*	
		For >750, Add	*40.04*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	352.41	
		For >100 To 250, Add	*8.81*	
		For >250 To 400, Add	*17.62*	
		For >400 To 600, Add	*26.43*	
		For >600 To 750, Add	*35.24*	
		For >750, Add	*44.05*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	386.00	
		For >100 To 250, Add	*9.65*	
		For >250 To 400, Add	*19.30*	
		For >400 To 600, Add	*28.95*	
		For >600 To 750, Add	*38.60*	
		For >750, Add	*48.25*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	480.16	
		For >100 To 250, Add	*12.00*	
		For >250 To 400, Add	*24.01*	
		For >400 To 600, Add	*36.01*	
		For >600 To 750, Add	*48.02*	
		For >750, Add	*60.02*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	69.54	
		For >100 To 250, Add	*1.74*	
		For >250 To 400, Add	*3.48*	
		For >400 To 600, Add	*5.22*	
		For >600 To 750, Add	*6.95*	
		For >750, Add	*8.69*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	80.24	
		For >100 To 250, Add	*2.01*	
		For >250 To 400, Add	*4.01*	
		For >400 To 600, Add	*6.02*	
		For >600 To 750, Add	*8.02*	
		For >750, Add	*10.03*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	92.01	
		For >100 To 250, Add	*2.30*	
		For >250 To 400, Add	*4.60*	
		For >400 To 600, Add	*6.90*	
		For >600 To 750, Add	*9.20*	
		For >750, Add	*11.50*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	116.62	
		For >100 To 250, Add	*2.92*	
		For >250 To 400, Add	*5.83*	
		For >400 To 600, Add	*8.75*	
		For >600 To 750, Add	*11.66*	
		For >750, Add	*14.58*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	150.85	
		For >100 To 250, Add	*3.77*	
		For >250 To 400, Add	*7.54*	
		For >400 To 600, Add	*11.31*	
		For >600 To 750, Add	*15.09*	
		For >750, Add	*18.86*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	219.33	
		For >100 To 250, Add	*5.48*	
		For >250 To 400, Add	*10.97*	
		For >400 To 600, Add	*16.45*	
		For >600 To 750, Add	*21.93*	
		For >750, Add	*27.42*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	261.05	
		For >100 To 250, Add	*6.53*	
		For >250 To 400, Add	*13.05*	
		For >400 To 600, Add	*19.58*	
		For >600 To 750, Add	*26.11*	
		For >750, Add	*32.63*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	302.77	
		For >100 To 250, Add	*7.57*	
		For >250 To 400, Add	*15.14*	
		For >400 To 600, Add	*22.71*	
		For >600 To 750, Add	*30.28*	
		For >750, Add	*37.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	356.26	
		For >100 To 250, Add	*8.91*	
		For >250 To 400, Add	*17.81*	
		For >400 To 600, Add	*26.72*	
		For >600 To 750, Add	*35.63*	
		For >750, Add	*44.53*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	411.90	
		For >100 To 250, Add	*10.30*	
		For >250 To 400, Add	*20.60*	
		For >400 To 600, Add	*30.89*	
		For >600 To 750, Add	*41.19*	
		For >750, Add	*51.49*	
33 11 13 00-0048		Furnish And Install Casing *(33 11 13 00-0001)*		
		Note: Excludes drilling of hole.		
33 11 13 00-0049		Steel Well Casing *(33 11 13 00-0048)*		
33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	42.64	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 400, Deduct	*-2.24*	
		For >400 To 600, Deduct	*-3.36*	
		For >600 To 750, Deduct	*-4.49*	
		For >750, Deduct	*-5.75*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	52.96	
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 400, Deduct	*-2.79*	
		For >400 To 600, Deduct	*-4.18*	
		For >600 To 750, Deduct	*-5.57*	
		For >750, Deduct	*-7.15*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	80.25	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 400, Deduct	*-4.18*	
		For >400 To 600, Deduct	*-6.27*	
		For >600 To 750, Deduct	*-8.36*	
		For >750, Deduct	*-10.66*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	138.39	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 400, Deduct	*-7.12*	
		For >400 To 600, Deduct	*-10.68*	
		For >600 To 750, Deduct	*-14.24*	
		For >750, Deduct	*-18.06*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	152.70	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 400, Deduct	*-7.91*	
		For >400 To 600, Deduct	*-11.87*	
		For >600 To 750, Deduct	*-15.82*	
		For >750, Deduct	*-20.14*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	178.42	
		For >100 To 250, Deduct	*-4.80*	
		For >250 To 400, Deduct	*-9.26*	
		For >400 To 600, Deduct	*-13.90*	
		For >600 To 750, Deduct	*-18.53*	
		For >750, Deduct	*-23.61*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	201.68	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 400, Deduct	*-10.52*	
		For >400 To 600, Deduct	*-15.77*	
		For >600 To 750, Deduct	*-21.03*	
		For >750, Deduct	*-26.85*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	228.08	
		For >100 To 250, Deduct	*-6.23*	
		For >250 To 400, Deduct	*-11.94*	
		For >400 To 600, Deduct	*-17.90*	
		For >600 To 750, Deduct	*-23.87*	
		For >750, Deduct	*-30.53*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	267.68	
		For >100 To 250, Deduct	*-7.29*	
		For >250 To 400, Deduct	*-13.98*	
		For >400 To 600, Deduct	*-20.97*	
		For >600 To 750, Deduct	*-27.97*	
		For >750, Deduct	*-35.74*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.19	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.10*	
		For >600 To 750, Deduct	*-0.13*	
		For >750, Deduct	*-0.18*	
33 11 13 00-0060		Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*		
33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	68.71	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 400, Deduct	*-3.55*	
		For >400 To 600, Deduct	*-5.32*	
		For >600 To 750, Deduct	*-7.09*	
		For >750, Deduct	*-9.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	103.95	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 400, Deduct	*-5.34*	
		For >400 To 600, Deduct	*-8.00*	
		For >600 To 750, Deduct	*-10.67*	
		For >750, Deduct	*-13.52*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	145.69	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 400, Deduct	*-7.46*	
		For >400 To 600, Deduct	*-11.19*	
		For >600 To 750, Deduct	*-14.92*	
		For >750, Deduct	*-18.89*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	169.30	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 400, Deduct	*-8.68*	
		For >400 To 600, Deduct	*-13.01*	
		For >600 To 750, Deduct	*-17.35*	
		For >750, Deduct	*-21.96*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	151.01	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 400, Deduct	*-7.86*	
		For >400 To 600, Deduct	*-11.79*	
		For >600 To 750, Deduct	*-15.72*	
		For >750, Deduct	*-20.06*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	175.08	
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 400, Deduct	*-9.11*	
		For >400 To 600, Deduct	*-13.66*	
		For >600 To 750, Deduct	*-18.22*	
		For >750, Deduct	*-23.23*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	211.15	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 400, Deduct	*-10.96*	
		For >400 To 600, Deduct	*-16.44*	
		For >600 To 750, Deduct	*-21.91*	
		For >750, Deduct	*-27.91*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	241.83	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 400, Deduct	*-12.55*	
		For >400 To 600, Deduct	*-18.82*	
		For >600 To 750, Deduct	*-25.09*	
		For >750, Deduct	*-31.96*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	266.52	
		For >100 To 250, Deduct	*-7.18*	
		For >250 To 400, Deduct	*-13.85*	
		For >400 To 600, Deduct	*-20.77*	
		For >600 To 750, Deduct	*-27.69*	
		For >750, Deduct	*-35.30*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	350.95	
		For >100 To 250, Deduct	*-9.39*	
		For >250 To 400, Deduct	*-18.17*	
		For >400 To 600, Deduct	*-27.25*	
		For >600 To 750, Deduct	*-36.34*	
		For >750, Deduct	*-46.23*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	463.55	
		For >100 To 250, Deduct	*-12.37*	
		For >250 To 400, Deduct	*-23.95*	
		For >400 To 600, Deduct	*-35.93*	
		For >600 To 750, Deduct	*-47.91*	
		For >750, Deduct	*-60.89*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	44.49	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 400, Deduct	*-2.31*	
		For >400 To 600, Deduct	*-3.47*	
		For >600 To 750, Deduct	*-4.63*	
		For >750, Deduct	*-5.90*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	70.74	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 400, Deduct	*-3.68*	
		For >400 To 600, Deduct	*-5.51*	
		For >600 To 750, Deduct	*-7.35*	
		For >750, Deduct	*-9.37*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	106.87	
		For >100 To 250, Deduct	*-2.88*	
		For >250 To 400, Deduct	*-5.55*	
		For >400 To 600, Deduct	*-8.33*	
		For >600 To 750, Deduct	*-11.11*	
		For >750, Deduct	*-14.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	125.82	
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 400, Deduct	*-6.55*	
		For >400 To 600, Deduct	*-9.82*	
		For >600 To 750, Deduct	*-13.09*	
		For >750, Deduct	*-16.70*	
33 11 13 00-0078		Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*		
33 11 13 00-0079		Stainless Steel Well Screen *(33 11 13 00-0078)*		
33 11 13 00-0080	LF	2" Stainless Steel Well Screen	19.10	0.89
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.60*	
		For >600 To 750, Deduct	*-2.14*	
		For >750, Deduct	*-2.82*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	31.99	0.89
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 400, Deduct	*-1.72*	
		For >400 To 600, Deduct	*-2.58*	
		For >600 To 750, Deduct	*-3.44*	
		For >750, Deduct	*-4.47*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	40.15	1.34
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 400, Deduct	*-2.16*	
		For >400 To 600, Deduct	*-3.24*	
		For >600 To 750, Deduct	*-4.33*	
		For >750, Deduct	*-5.61*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	51.10	1.34
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 400, Deduct	*-2.74*	
		For >400 To 600, Deduct	*-4.11*	
		For >600 To 750, Deduct	*-5.48*	
		For >750, Deduct	*-7.09*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	60.57	1.77
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 400, Deduct	*-3.28*	
		For >400 To 600, Deduct	*-4.91*	
		For >600 To 750, Deduct	*-6.55*	
		For >750, Deduct	*-8.51*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	79.24	2.21
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 400, Deduct	*-4.28*	
		For >400 To 600, Deduct	*-6.42*	
		For >600 To 750, Deduct	*-8.55*	
		For >750, Deduct	*-11.10*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	99.80	3.55
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 400, Deduct	*-5.42*	
		For >400 To 600, Deduct	*-8.12*	
		For >600 To 750, Deduct	*-10.83*	
		For >750, Deduct	*-14.09*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	117.16	4.44
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 400, Deduct	*-6.35*	
		For >400 To 600, Deduct	*-9.53*	
		For >600 To 750, Deduct	*-12.71*	
		For >750, Deduct	*-16.53*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	127.85	4.88
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 400, Deduct	*-6.96*	
		For >400 To 600, Deduct	*-10.45*	
		For >600 To 750, Deduct	*-13.93*	
		For >750, Deduct	*-18.15*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	137.70	5.76
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 400, Deduct	*-7.53*	
		For >400 To 600, Deduct	*-11.29*	
		For >600 To 750, Deduct	*-15.06*	
		For >750, Deduct	*-19.66*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	164.67	6.65
		For >100 To 250, Deduct	*-4.91*	
		For >250 To 400, Deduct	*-9.03*	
		For >400 To 600, Deduct	*-13.54*	
		For >600 To 750, Deduct	*-18.05*	
		For >750, Deduct	*-23.59*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	207.81	8.42
		For >100 To 250, Deduct	*-6.19*	
		For >250 To 400, Deduct	*-11.39*	
		For >400 To 600, Deduct	*-17.08*	
		For >600 To 750, Deduct	*-22.77*	
		For >750, Deduct	*-29.76*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	269.17	11.09
		For >100 To 250, Deduct	*-8.03*	
		For >250 To 400, Deduct	*-14.76*	
		For >400 To 600, Deduct	*-22.14*	
		For >600 To 750, Deduct	*-29.53*	
		For >750, Deduct	*-38.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	311.14	12.86
		For >100 To 250, Deduct	*-9.26*	
		For >250 To 400, Deduct	*-17.04*	
		For >400 To 600, Deduct	*-25.55*	
		For >600 To 750, Deduct	*-34.07*	
		For >750, Deduct	*-44.51*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	12.73	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 750, Deduct	*-1.50*	
		For >750, Deduct	*-2.03*	
		For Schedule 80, Add	*3.26*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.66	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.28*	
		For >600 To 750, Deduct	*-1.71*	
		For >750, Deduct	*-2.30*	
		For Schedule 80, Add	*3.91*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	20.14	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.84*	
		For >600 To 750, Deduct	*-2.45*	
		For >750, Deduct	*-3.35*	
		For Schedule 80, Add	*4.56*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	30.61	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 400, Deduct	*-1.77*	
		For >400 To 600, Deduct	*-2.65*	
		For >600 To 750, Deduct	*-3.53*	
		For >750, Deduct	*-4.72*	
		For Schedule 80, Add	*8.47*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	38.49	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 400, Deduct	*-2.22*	
		For >400 To 600, Deduct	*-3.33*	
		For >600 To 750, Deduct	*-4.45*	
		For >750, Deduct	*-5.94*	
		For Schedule 80, Add	*10.62*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	48.41	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 400, Deduct	*-2.78*	
		For >400 To 600, Deduct	*-4.16*	
		For >600 To 750, Deduct	*-5.55*	
		For >750, Deduct	*-7.40*	
		For Schedule 80, Add	*13.68*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	52.34	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 400, Deduct	*-3.09*	
		For >400 To 600, Deduct	*-4.64*	
		For >600 To 750, Deduct	*-6.18*	
		For >750, Deduct	*-8.34*	
		For Schedule 80, Add	*13.36*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	76.36	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 400, Deduct	*-4.42*	
		For >400 To 600, Deduct	*-6.64*	
		For >600 To 750, Deduct	*-8.85*	
		For >750, Deduct	*-11.85*	
		For Schedule 80, Add	*20.85*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	14.19	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 750, Deduct	*-1.67*	
		For >750, Deduct	*-2.26*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	20.42	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 400, Deduct	*-1.22*	
		For >400 To 600, Deduct	*-1.83*	
		For >600 To 750, Deduct	*-2.44*	
		For >750, Deduct	*-3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	27.57	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 400, Deduct	*-1.68*	
		For >400 To 600, Deduct	*-2.52*	
		For >600 To 750, Deduct	*-3.35*	
		For >750, Deduct	*-4.58*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	35.89	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 400, Deduct	*-2.16*	
		For >400 To 600, Deduct	*-3.25*	
		For >600 To 750, Deduct	*-4.33*	
		For >750, Deduct	*-5.89*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	44.89	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 400, Deduct	*-2.69*	
		For >400 To 600, Deduct	*-4.03*	
		For >600 To 750, Deduct	*-5.37*	
		For >750, Deduct	*-7.29*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	59.36	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 400, Deduct	*-3.51*	
		For >400 To 600, Deduct	*-5.27*	
		For >600 To 750, Deduct	*-7.03*	
		For >750, Deduct	*-9.49*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	68.47	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 400, Deduct	*-4.04*	
		For >400 To 600, Deduct	*-6.06*	
		For >600 To 750, Deduct	*-8.08*	
		For >750, Deduct	*-10.90*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	80.41	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 400, Deduct	*-4.77*	
		For >400 To 600, Deduct	*-7.16*	
		For >600 To 750, Deduct	*-9.55*	
		For >750, Deduct	*-12.91*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	90.39	
		For >100 To 250, Deduct	*-3.12*	
		For >250 To 400, Deduct	*-5.38*	
		For >400 To 600, Deduct	*-8.08*	
		For >600 To 750, Deduct	*-10.77*	
		For >750, Deduct	*-14.58*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	98.67	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 400, Deduct	*-5.84*	
		For >400 To 600, Deduct	*-8.75*	
		For >600 To 750, Deduct	*-11.67*	
		For >750, Deduct	*-15.76*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	116.12	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 400, Deduct	*-6.92*	
		For >400 To 600, Deduct	*-10.37*	
		For >600 To 750, Deduct	*-13.83*	
		For >750, Deduct	*-18.73*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	131.17	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 400, Deduct	*-7.91*	
		For >400 To 600, Deduct	*-11.87*	
		For >600 To 750, Deduct	*-15.83*	
		For >750, Deduct	*-21.54*	

33 11 13 00-0117 Develop Well *(33 11 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

33 11 13 00-0118	HR	Develop Well	411.05	

33 11 13 00-0119 Pump Test *(33 11 13 00-0001)*

Note: To determine water level and GPM flow rate.

33 11 13 00-0120	HR	Pump Test Well	355.95	

33 11 13 00-0121 Test Well *(33 11 13 00-0001)*

33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	72.48	

33 11 13 00-0123 Surface Seal, Concrete Filled *(33 11 13)*

33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	24.42	

33 11 13 00-0125 Other Water Well *(33 11 13)*

33 11 13 00-0126	SF	Patch Hole In Well Casing	56.83	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	1.71	
33 11 13 00-0128	SF	1" Pressure Grout Well	2.90	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	2.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0130		Sterilization Of Well *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	905.98	
33 11 13 00-0132		Submersible Well Pumps *(33 11 13)* Note: Includes pump end, motor and control box.		
33 11 13 00-0133		4" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0134		Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,038.61	302.35
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,188.85	335.11
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,318.99	372.35
33 11 13 00-0138		Stainless Steel Case And Ends *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,211.49	297.88
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,386.61	335.11
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,558.18	372.35
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,803.16	409.59
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,058.79	446.82
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,562.96	521.29
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,288.56	595.76
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,019.26	744.70
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,524.61	819.17
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,052.46	893.64
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,050.40	1,042.58

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001		Ductile Iron Piping *(33 14 13 13)*		
33 14 13 13-0002		Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)* Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0003		Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)* Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	89.51	7.77
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*54.43*	
		For Cement Mortar Lining (CML), Add	*7.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*41.99*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.83*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.48*	
		For Class 52, Add	*23.24*	
		For Class 53, Add	*42.11*	
		For Class 54, Add	*60.18*	
		For Class 55, Add	*69.04*	
		For Class 56, Add	*77.74*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	97.95	8.27
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*59.79*	
		For Cement Mortar Lining (CML), Add	*8.54*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*46.13*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.41*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.90*	
		For Class 51, Add	*11.80*	
		For Class 52, Add	*25.52*	
		For Class 53, Add	*46.25*	
		For Class 54, Add	*66.09*	
		For Class 55, Add	*75.82*	
		For Class 56, Add	*85.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	105.85	8.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*64.91*	
		For Cement Mortar Lining (CML), Add	*9.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*50.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.29*	
		For Class 51, Add	*12.80*	
		For Class 52, Add	*27.69*	
		For Class 53, Add	*50.19*	
		For Class 54, Add	*71.72*	
		For Class 55, Add	*82.28*	
		For Class 56, Add	*92.65*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	132.28	9.03
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*83.03*	
		For Cement Mortar Lining (CML), Add	*11.86*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*64.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.90*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.61*	
		For Class 51, Add	*16.34*	
		For Class 52, Add	*35.34*	
		For Class 53, Add	*64.08*	
		For Class 54, Add	*91.59*	
		For Class 55, Add	*105.05*	
		For Class 56, Add	*118.27*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	173.62	12.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*92.59*	
		For Cement Mortar Lining (CML), Add	*15.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*77.16*	
		For Fusion Bonded Epoxy Lining (206N), Add	*27.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.57*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.68*	
		For Class 51, Add	*21.27*	
		For Class 52, Add	*46.02*	
		For Class 53, Add	*83.42*	
		For Class 54, Add	*119.23*	
		For Class 55, Add	*136.77*	
		For Class 56, Add	*153.98*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	218.54	14.16
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*98.54*	
		For Cement Mortar Lining (CML), Add	*19.71*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*78.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*35.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.78*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.93*	
		For Class 51, Add	*27.13*	
		For Class 52, Add	*58.69*	
		For Class 53, Add	*106.42*	
		For Class 54, Add	*152.12*	
		For Class 55, Add	*174.48*	
		For Class 56, Add	*196.42*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	268.54	15.90
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*107.54*	
		For Cement Mortar Lining (CML), Add	*24.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*83.10*	
		For Fusion Bonded Epoxy Lining (206N), Add	*43.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.33*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.43*	
		For Class 51, Add	*33.61*	
		For Class 52, Add	*72.73*	
		For Class 53, Add	*131.88*	
		For Class 54, Add	*188.52*	
		For Class 55, Add	*216.21*	
		For Class 56, Add	*243.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	301.59	18.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*112.34*	
		For Cement Mortar Lining (CML), Add	*27.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*84.94*	
		For Fusion Bonded Epoxy Lining (206N), Add	*49.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.08*	
		For Class 51, Add	*37.69*	
		For Class 52, Add	*81.55*	
		For Class 53, Add	*147.87*	
		For Class 54, Add	*211.37*	
		For Class 55, Add	*242.43*	
		For Class 56, Add	*272.92*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	383.58	21.24
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*144.07*	
		For Cement Mortar Lining (CML), Add	*35.14*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.93*	
		For Fusion Bonded Epoxy Lining (206N), Add	*63.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.18*	
		For Class 51, Add	*48.30*	
		For Class 52, Add	*104.50*	
		For Class 53, Add	*189.52*	
		For Class 54, Add	*270.91*	
		For Class 55, Add	*310.71*	
		For Class 56, Add	*349.76*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	425.60	25.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*147.05*	
		For Cement Mortar Lining (CML), Add	*38.70*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*69.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.02*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.28*	
		For Class 51, Add	*53.23*	
		For Class 52, Add	*115.16*	
		For Class 53, Add	*208.83*	
		For Class 54, Add	*298.51*	
		For Class 55, Add	*342.37*	
		For Class 56, Add	*385.42*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	567.64	31.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*161.00*	
		For Cement Mortar Lining (CML), Add	*51.94*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*109.07*	
		For Fusion Bonded Epoxy Lining (206N), Add	*93.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.95*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-28.38*	
		For Class 51, Add	*71.39*	
		For Class 52, Add	*154.47*	
		For Class 53, Add	*280.14*	
		For Class 54, Add	*400.45*	
		For Class 55, Add	*459.28*	
		For Class 56, Add	*517.01*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	783.87	34.31
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*227.03*	
		For Cement Mortar Lining (CML), Add	*73.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.93*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-39.19*	
		For Class 51, Add	*100.47*	
		For Class 52, Add	*217.41*	
		For Class 53, Add	*394.41*	
		For Class 54, Add	*563.86*	
		For Class 55, Add	*646.61*	
		For Class 56, Add	*727.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	970.52	36.44
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*283.90*	
		For Cement Mortar Lining (CML), Add	*91.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*164.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-48.53*	
		For Class 51, Add	*125.51*	
		For Class 52, Add	*271.62*	
		For Class 53, Add	*492.83*	
		For Class 54, Add	*704.61*	
		For Class 55, Add	*807.95*	
		For Class 56, Add	*909.37*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,237.66	38.57
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*365.72*	
		For Cement Mortar Lining (CML), Add	*117.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.48*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-61.88*	
		For Class 51, Add	*161.52*	
		For Class 52, Add	*349.59*	
		For Class 53, Add	*634.39*	
		For Class 54, Add	*907.04*	
		For Class 55, Add	*1,040.01*	
		For Class 56, Add	*1,170.51*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,564.85	40.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*466.14*	
		For Cement Mortar Lining (CML), Add	*150.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*270.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.78*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-78.24*	
		For Class 51, Add	*205.72*	
		For Class 52, Add	*445.27*	
		For Class 53, Add	*808.12*	
		For Class 54, Add	*1,155.49*	
		For Class 55, Add	*1,324.81*	
		For Class 56, Add	*1,490.98*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	170.70	24.54
		For Cement Mortar Lining (CML), Add	*13.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	189.74	29.33
		For Cement Mortar Lining (CML), Add	*14.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	303.22	43.34
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	423.51	51.40
		For Cement Mortar Lining (CML), Add	*34.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*62.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	635.44	56.52
		For Cement Mortar Lining (CML), Add	*54.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	840.70	66.31
		For Cement Mortar Lining (CML), Add	*74.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,351.68	74.36
		For Cement Mortar Lining (CML), Add	*123.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*223.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,811.56	84.98
		For Cement Mortar Lining (CML), Add	*168.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*302.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,206.66	118.97
		For Cement Mortar Lining (CML), Add	*202.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,050.92	148.71
		For Cement Mortar Lining (CML), Add	*282.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*508.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,517.88	198.02
		For Cement Mortar Lining (CML), Add	*421.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,090.41	212.44
		For Cement Mortar Lining (CML), Add	*676.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,915.97	220.55
		For Cement Mortar Lining (CML), Add	*1,058.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,904.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,531.89	254.93
		For Cement Mortar Lining (CML), Add	*1,814.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,266.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,360.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,606.39	271.22
		For Cement Mortar Lining (CML), Add	*2,419.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,355.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,814.66*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	156.96	24.54
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	164.21	29.33
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	258.05	43.34
		For Cement Mortar Lining (CML), Add	*19.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	358.71	51.40
		For Cement Mortar Lining (CML), Add	*28.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	496.02	56.52
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	713.06	66.31
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,076.78	74.36
		For Cement Mortar Lining (CML), Add	*96.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,330.47	84.98
		For Cement Mortar Lining (CML), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,904.26	118.97
		For Cement Mortar Lining (CML), Add	*172.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,067.16	148.71
		For Cement Mortar Lining (CML), Add	*184.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,098.20	198.02
		For Cement Mortar Lining (CML), Add	*279.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*503.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,006.50	212.44
		For Cement Mortar Lining (CML), Add	*568.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,023.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,646.05	220.55
		For Cement Mortar Lining (CML), Add	*831.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,496.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,157.51	254.93
		For Cement Mortar Lining (CML), Add	*1,277.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,298.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*957.84*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	17,146.67	271.22
		For Cement Mortar Lining (CML), Add	*1,673.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,012.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,255.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		**Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	131.43	24.54
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	158.32	29.33
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	242.34	43.34
		For Cement Mortar Lining (CML), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	352.82	51.40
		For Cement Mortar Lining (CML), Add	*27.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	494.06	56.52
		For Cement Mortar Lining (CML), Add	*40.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	636.48	66.31
		For Cement Mortar Lining (CML), Add	*53.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*96.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,088.56	74.36
		For Cement Mortar Lining (CML), Add	*97.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,281.38	84.98
		For Cement Mortar Lining (CML), Add	*115.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,595.98	118.97
		For Cement Mortar Lining (CML), Add	*141.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,149.63	148.71
		For Cement Mortar Lining (CML), Add	*192.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,882.20	198.02
		For Cement Mortar Lining (CML), Add	*258.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*464.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,085.57	212.44
		For Cement Mortar Lining (CML), Add	*476.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*857.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*357.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,316.69	220.55
		For Cement Mortar Lining (CML), Add	*698.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,256.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*523.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,928.83	254.93
		For Cement Mortar Lining (CML), Add	*1,054.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,897.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*790.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,138.44	271.22
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	131.43	24.54
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	152.43	29.33
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	248.23	43.34
		For Cement Mortar Lining (CML), Add	*18.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	327.30	51.40
		For Cement Mortar Lining (CML), Add	*24.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	490.13	56.52
		For Cement Mortar Lining (CML), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	603.10	66.31
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,226.01	74.36
		For Cement Mortar Lining (CML), Add	*111.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,348.15	84.98
		For Cement Mortar Lining (CML), Add	*121.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,969.06	118.97
		For Cement Mortar Lining (CML), Add	*178.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,037.70	148.71
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,717.26	198.02
		For Cement Mortar Lining (CML), Add	*241.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,171.97	212.44
		For Cement Mortar Lining (CML), Add	*485.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*873.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*363.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,963.24	220.55
		For Cement Mortar Lining (CML), Add	*662.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,447.75	254.93
		For Cement Mortar Lining (CML), Add	*1,006.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,044.18	271.22
		For Cement Mortar Lining (CML), Add	*1,363.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,453.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,022.50*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	176.60	24.54
		For Cement Mortar Lining (CML), Add	*13.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	217.23	29.33
		For Cement Mortar Lining (CML), Add	*17.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	352.31	43.34
		For Cement Mortar Lining (CML), Add	*28.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	488.31	51.40
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	729.69	56.52
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	942.80	66.31
		For Cement Mortar Lining (CML), Add	*84.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,679.60	74.36
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,610.74	84.98
		For Cement Mortar Lining (CML), Add	*248.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*446.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,999.95	118.97
		For Cement Mortar Lining (CML), Add	*281.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,095.56	148.71
		For Cement Mortar Lining (CML), Add	*387.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,949.87	198.02
		For Cement Mortar Lining (CML), Add	*464.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*836.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,478.15	212.44
		For Cement Mortar Lining (CML), Add	*915.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,648.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*686.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	17,207.34	220.55
		For Cement Mortar Lining (CML), Add	*1,687.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,037.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,265.49*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	158.92	24.54
		For Cement Mortar Lining (CML), Add	*12.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	170.10	29.33
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	279.65	43.34
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	421.55	51.40
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	596.17	56.52
		For Cement Mortar Lining (CML), Add	*51.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	826.95	66.31
		For Cement Mortar Lining (CML), Add	*72.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,473.42	74.36
		For Cement Mortar Lining (CML), Add	*136.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,286.75	84.98
		For Cement Mortar Lining (CML), Add	*215.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*388.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,672.03	118.97
		For Cement Mortar Lining (CML), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,478.99	148.71
		For Cement Mortar Lining (CML), Add	*325.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*585.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,354.90	198.02
		For Cement Mortar Lining (CML), Add	*405.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*729.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*304.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,286.24	212.44
		For Cement Mortar Lining (CML), Add	*796.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,433.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*597.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	15,014.00	220.55
		For Cement Mortar Lining (CML), Add	*1,467.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,642.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,100.99*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	283.56	36.82
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	290.12	41.14
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	256.09	43.34
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	345.83	54.59
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	406.19	56.84
		For Cement Mortar Lining (CML), Add	*32.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	440.00	63.64
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	470.93	65.87
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	538.12	72.64
		For Cement Mortar Lining (CML), Add	*42.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	633.33	77.17
		For Cement Mortar Lining (CML), Add	*51.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	675.87	70.24
		For Cement Mortar Lining (CML), Add	*56.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	667.86	76.62
		For Cement Mortar Lining (CML), Add	*55.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	768.55	80.87
		For Cement Mortar Lining (CML), Add	*64.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	867.06	84.98
		For Cement Mortar Lining (CML), Add	*73.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	816.39	78.75
		For Cement Mortar Lining (CML), Add	*69.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	934.03	85.11
		For Cement Mortar Lining (CML), Add	*80.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,170.22	89.37
		For Cement Mortar Lining (CML), Add	*103.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*186.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,256.94	93.47
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,178.95	97.72
		For Cement Mortar Lining (CML), Add	*103.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,265.59	99.18
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,419.30	103.44
		For Cement Mortar Lining (CML), Add	*126.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,849.66	107.53
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	1,981.76	111.79
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,896.21	118.83
		For Cement Mortar Lining (CML), Add	*171.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*308.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,619.51	118.96
		For Cement Mortar Lining (CML), Add	*143.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*259.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,749.72	123.21
		For Cement Mortar Lining (CML), Add	*156.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,062.26	127.31
		For Cement Mortar Lining (CML), Add	*186.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,268.98	131.56
		For Cement Mortar Lining (CML), Add	*206.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.22*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,760.72	138.61
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,583.27	148.51
		For Cement Mortar Lining (CML), Add	*235.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*424.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,268.90	152.25
		For Cement Mortar Lining (CML), Add	*203.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*366.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,444.22	156.50
		For Cement Mortar Lining (CML), Add	*220.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*397.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,658.58	160.61
		For Cement Mortar Lining (CML), Add	*241.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*434.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	2,871.19	164.85
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	2,950.56	171.89
		For Cement Mortar Lining (CML), Add	*269.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,152.09	181.78
		For Cement Mortar Lining (CML), Add	*287.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*517.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,713.38	198.41
		For Cement Mortar Lining (CML), Add	*341.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*614.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,624.27	218.32
		For Cement Mortar Lining (CML), Add	*229.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*412.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,681.78	222.58
		For Cement Mortar Lining (CML), Add	*234.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*422.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	2,945.23	226.68
		For Cement Mortar Lining (CML), Add	*260.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.13*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,206.94	230.93
		For Cement Mortar Lining (CML), Add	*285.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,239.19	237.96
		For Cement Mortar Lining (CML), Add	*287.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*518.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,277.74	247.86
		For Cement Mortar Lining (CML), Add	*290.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*522.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,190.51	264.50
		For Cement Mortar Lining (CML), Add	*378.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*682.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,596.50	297.55
		For Cement Mortar Lining (CML), Add	*314.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*566.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,189.47	284.20
		For Cement Mortar Lining (CML), Add	*275.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,231.25	288.85
		For Cement Mortar Lining (CML), Add	*279.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*502.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,598.78	292.56
		For Cement Mortar Lining (CML), Add	*315.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*567.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*236.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	3,693.57	296.81
		For Cement Mortar Lining (CML), Add	*324.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,202.97	303.84
		For Cement Mortar Lining (CML), Add	*374.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,561.59	313.72
		For Cement Mortar Lining (CML), Add	*408.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*735.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,223.02	330.37
		For Cement Mortar Lining (CML), Add	*472.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*850.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	5,793.43	363.41
		For Cement Mortar Lining (CML), Add	*524.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*943.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*393.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,269.97	396.37
		For Cement Mortar Lining (CML), Add	*466.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*840.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*350.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	5,776.32	335.27
		For Cement Mortar Lining (CML), Add	*526.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*948.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*395.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,106.53	339.37
		For Cement Mortar Lining (CML), Add	*559.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,006.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*419.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,436.96	343.62
		For Cement Mortar Lining (CML), Add	*591.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,064.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*443.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	6,907.09	350.65
		For Cement Mortar Lining (CML), Add	*637.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,147.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*478.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,412.98	466.54
		For Cement Mortar Lining (CML), Add	*686.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,236.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*515.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	7,603.13	377.18
		For Cement Mortar Lining (CML), Add	*703.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,265.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*527.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	7,882.94	410.22
		For Cement Mortar Lining (CML), Add	*726.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,307.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*544.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,264.69	443.16
		For Cement Mortar Lining (CML), Add	*759.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,366.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*569.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,495.46	466.54
		For Cement Mortar Lining (CML), Add	*978.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,761.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,068.34	331.01
		For Cement Mortar Lining (CML), Add	*556.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,002.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*417.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,118.01	371.92
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	7,976.43	376.02
		For Cement Mortar Lining (CML), Add	*740.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,333.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*555.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,438.41	380.27
		For Cement Mortar Lining (CML), Add	*786.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,415.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	8,765.21	387.30
		For Cement Mortar Lining (CML), Add	*817.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,472.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*613.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,092.42	397.19
		For Cement Mortar Lining (CML), Add	*849.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,528.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*636.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	9,722.42	413.83
		For Cement Mortar Lining (CML), Add	*909.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,637.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,379.24	446.87
		For Cement Mortar Lining (CML), Add	*970.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,505.19	479.81
		For Cement Mortar Lining (CML), Add	*1,077.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,940.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*808.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	12,760.05	521.58
		For Cement Mortar Lining (CML), Add	*1,199.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,159.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*899.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	14,996.86	521.58
		For Cement Mortar Lining (CML), Add	*1,420.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,557.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,065.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	17,132.86	400.76
		For Cement Mortar Lining (CML), Add	*1,652.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,477.33	407.79
		For Cement Mortar Lining (CML), Add	*1,685.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,034.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,264.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,477.52	417.67
		For Cement Mortar Lining (CML), Add	*1,884.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,392.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,413.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	18,147.86	434.32
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	18,197.92	467.36
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	18,567.88	500.30
		For Cement Mortar Lining (CML), Add	*1,780.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,205.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,335.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	22,640.50	523.71
		For Cement Mortar Lining (CML), Add	*2,184.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,932.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,638.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	23,585.27	542.03
		For Cement Mortar Lining (CML), Add	*2,276.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,097.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,707.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	24,981.21	552.28
		For Cement Mortar Lining (CML), Add	*2,414.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,346.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,810.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	20,243.59	433.40
		For Cement Mortar Lining (CML), Add	*1,958.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,525.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,469.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	20,607.69	440.44
		For Cement Mortar Lining (CML), Add	*1,994.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,589.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,495.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	21,123.39	450.33
		For Cement Mortar Lining (CML), Add	*2,044.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,679.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	21,647.36	466.97
		For Cement Mortar Lining (CML), Add	*2,093.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,769.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,570.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	22,198.14	500.01
		For Cement Mortar Lining (CML), Add	*2,144.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,859.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,608.04*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	22,314.81	532.94
		For Cement Mortar Lining (CML), Add	*2,150.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,871.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,613.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	27,296.59	556.35
		For Cement Mortar Lining (CML), Add	*2,645.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,761.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,984.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	31,212.28	574.68
		For Cement Mortar Lining (CML), Add	*3,034.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,461.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,275.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	32,767.26	584.92
		For Cement Mortar Lining (CML), Add	*3,188.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,738.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,391.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	33,304.49	601.27
		For Cement Mortar Lining (CML), Add	*3,239.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,830.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,429.51*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	229.25	41.14
		For Cement Mortar Lining (CML), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	377.83	43.31
		For Cement Mortar Lining (CML), Add	*31.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	345.83	54.59
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	408.15	56.84
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	567.63	63.60
		For Cement Mortar Lining (CML), Add	*47.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	749.76	65.87
		For Cement Mortar Lining (CML), Add	*65.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	653.98	72.64
		For Cement Mortar Lining (CML), Add	*54.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.79*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	804.16	77.16
		For Cement Mortar Lining (CML), Add	*68.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,200.16	70.24
		For Cement Mortar Lining (CML), Add	*109.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,266.76	76.62
		For Cement Mortar Lining (CML), Add	*115.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,465.63	80.87
		For Cement Mortar Lining (CML), Add	*134.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,658.39	84.98
		For Cement Mortar Lining (CML), Add	*152.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,546.85	78.75
		For Cement Mortar Lining (CML), Add	*142.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,754.81	85.11
		For Cement Mortar Lining (CML), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,132.38	89.37
		For Cement Mortar Lining (CML), Add	*199.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,191.62	93.47
		For Cement Mortar Lining (CML), Add	*205.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,968.32	97.72
		For Cement Mortar Lining (CML), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*327.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,341.65	99.18
		For Cement Mortar Lining (CML), Add	*219.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,693.68	103.44
		For Cement Mortar Lining (CML), Add	*253.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.27*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,554.07	107.53
		For Cement Mortar Lining (CML), Add	*339.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,811.84	111.79
		For Cement Mortar Lining (CML), Add	*364.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*655.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,712.54	118.81
		For Cement Mortar Lining (CML), Add	*353.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,383.41	118.96
		For Cement Mortar Lining (CML), Add	*220.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,633.34	123.21
		For Cement Mortar Lining (CML), Add	*244.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,128.49	127.31
		For Cement Mortar Lining (CML), Add	*293.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*528.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*220.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,513.91	131.56
		For Cement Mortar Lining (CML), Add	*331.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*596.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,431.74	138.61
		For Cement Mortar Lining (CML), Add	*422.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,254.30	148.49
		For Cement Mortar Lining (CML), Add	*402.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,798.54	152.25
		For Cement Mortar Lining (CML), Add	*356.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*642.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,099.53	156.50
		For Cement Mortar Lining (CML), Add	*386.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*695.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,390.47	160.61
		For Cement Mortar Lining (CML), Add	*414.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*746.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*311.03*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,707.15	164.85
		For Cement Mortar Lining (CML), Add	*445.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,753.15	171.89
		For Cement Mortar Lining (CML), Add	*449.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*808.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,791.70	181.78
		For Cement Mortar Lining (CML), Add	*451.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*812.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,341.73	198.42
		For Cement Mortar Lining (CML), Add	*404.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*727.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,458.28	218.32
		For Cement Mortar Lining (CML), Add	*412.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*742.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*309.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,557.02	222.58
		For Cement Mortar Lining (CML), Add	*421.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,026.65	226.68
		For Cement Mortar Lining (CML), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*842.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,492.57	230.93
		For Cement Mortar Lining (CML), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,542.49	237.96
		For Cement Mortar Lining (CML), Add	*518.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*932.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*388.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,598.72	247.86
		For Cement Mortar Lining (CML), Add	*522.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,515.41	264.50
		For Cement Mortar Lining (CML), Add	*611.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,100.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*458.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,113.83	297.54
		For Cement Mortar Lining (CML), Add	*566.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,019.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*424.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,396.55	284.20
		For Cement Mortar Lining (CML), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*893.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,465.83	288.45
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,122.00	292.56
		For Cement Mortar Lining (CML), Add	*567.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,022.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,419.04	296.81
		For Cement Mortar Lining (CML), Add	*596.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,458.62	303.84
		For Cement Mortar Lining (CML), Add	*699.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,259.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,315.99	313.72
		For Cement Mortar Lining (CML), Add	*784.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,411.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*588.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,330.87	330.37
		For Cement Mortar Lining (CML), Add	*883.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,589.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,250.80	363.41
		For Cement Mortar Lining (CML), Add	*970.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,004.74	396.35
		For Cement Mortar Lining (CML), Add	*840.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,512.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*630.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,456.45	331.01
		For Cement Mortar Lining (CML), Add	*1,095.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,971.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*821.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,888.48	335.27
		For Cement Mortar Lining (CML), Add	*1,238.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,228.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*928.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,656.57	339.37
		For Cement Mortar Lining (CML), Add	*1,314.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,365.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.68*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,424.88	343.62
		For Cement Mortar Lining (CML), Add	*1,390.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,502.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,042.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,513.55	350.65
		For Cement Mortar Lining (CML), Add	*1,498.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,696.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,123.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	16,683.13	360.54
		For Cement Mortar Lining (CML), Add	*1,613.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,904.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,210.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,095.17	377.18
		For Cement Mortar Lining (CML), Add	*1,652.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	17,685.23	410.22
		For Cement Mortar Lining (CML), Add	*1,706.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,071.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,279.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,514.68	443.16
		For Cement Mortar Lining (CML), Add	*1,784.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,211.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,338.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	20,083.72	466.56
		For Cement Mortar Lining (CML), Add	*1,937.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,487.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,453.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	22,197.36	380.27
		For Cement Mortar Lining (CML), Add	*2,162.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,891.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,621.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	23,077.89	387.30
		For Cement Mortar Lining (CML), Add	*2,249.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,048.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	23,950.98	397.19
		For Cement Mortar Lining (CML), Add	*2,334.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,751.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	25,639.36	413.83
		For Cement Mortar Lining (CML), Add	*2,501.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,502.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,875.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	27,358.49	446.87
		For Cement Mortar Lining (CML), Add	*2,668.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,802.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,001.11*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	30,367.53	479.81
		For Cement Mortar Lining (CML), Add	*2,964.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,335.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,223.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	34,061.18	503.22
		For Cement Mortar Lining (CML), Add	*3,329.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,993.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,497.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	40,747.51	521.54
		For Cement Mortar Lining (CML), Add	*3,995.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,192.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,996.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,844.79	467.36
		For Cement Mortar Lining (CML), Add	*3,513.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,324.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,635.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	36,713.51	500.30
		For Cement Mortar Lining (CML), Add	*3,595.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,471.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,696.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,230.96	523.71
		For Cement Mortar Lining (CML), Add	*3,843.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,918.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,882.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	44,933.53	542.03
		For Cement Mortar Lining (CML), Add	*4,411.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,940.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,308.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	53,105.85	552.27
		For Cement Mortar Lining (CML), Add	*5,226.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,408.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,920.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,313.02	500.01
		For Cement Mortar Lining (CML), Add	*3,455.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,219.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,591.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	40,036.30	532.94
		For Cement Mortar Lining (CML), Add	*3,922.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,061.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,942.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	42,685.32	556.35
		For Cement Mortar Lining (CML), Add	*4,184.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,531.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,138.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	48,731.52	574.68
		For Cement Mortar Lining (CML), Add	*4,786.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,614.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,589.56*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	63,925.66	584.92
		For Cement Mortar Lining (CML), Add	*6,303.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,347.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,727.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	70,233.91	601.25
		For Cement Mortar Lining (CML), Add	*6,932.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12,478.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5,199.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	493.02	63.64
		For Cement Mortar Lining (CML), Add	*39.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*29.75*	
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	589.18	72.64
		For Cement Mortar Lining (CML), Add	*47.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.93*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*35.93*	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	932.95	76.62
		For Cement Mortar Lining (CML), Add	*81.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.26*	
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,049.88	85.11
		For Cement Mortar Lining (CML), Add	*92.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.07*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*69.07*	
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,454.10	99.18
		For Cement Mortar Lining (CML), Add	*130.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*234.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.79*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*97.79*	
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,866.98	118.96
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*126.50*	
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,284.61	152.25
		For Cement Mortar Lining (CML), Add	*205.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*154.04*	
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,195.68	218.32
		For Cement Mortar Lining (CML), Add	*286.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*515.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*214.87*	
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,693.15	284.20
		For Cement Mortar Lining (CML), Add	*328.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*246.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,474.27	331.01
		For Cement Mortar Lining (CML), Add	*697.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,255.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*522.96*	
33 14 13 13-0297		**Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee** *(33 14 13 13-0002)*		
33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	434.11	63.64
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*33.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.33*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*25.33*	
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	510.63	72.64
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*40.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*30.04*	
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	760.15	76.62
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*48.30*	
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	953.66	85.11
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*82.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.85*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.85*	
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,210.61	99.18
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*106.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*190.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*79.53*	
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,537.10	118.96
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*135.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.76*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*101.76*	
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,988.10	152.25
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*175.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.81*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*131.81*	
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,101.96	218.32
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*132.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,960.73	284.20
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*191.30*	

33 14 13 13-0307 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross	327.67	49.09
		For Cement Mortar Lining (CML), Add	*25.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross	404.92	53.41
		For Cement Mortar Lining (CML), Add	*32.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross	492.42	54.14
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross	584.49	66.92
		For Cement Mortar Lining (CML), Add	*48.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross	557.07	72.19
		For Cement Mortar Lining (CML), Add	*44.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross	639.39	90.23
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	565.37	78.96
		For Cement Mortar Lining (CML), Add	*44.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	667.32	97.00
		For Cement Mortar Lining (CML), Add	*52.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	705.08	103.76
		For Cement Mortar Lining (CML), Add	*54.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	705.71	82.16
		For Cement Mortar Lining (CML), Add	*58.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	802.15	99.15
		For Cement Mortar Lining (CML), Add	*65.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.89*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	968.89	105.53
		For Cement Mortar Lining (CML), Add	*80.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,049.44	113.31
		For Cement Mortar Lining (CML), Add	*87.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	869.58	89.23
		For Cement Mortar Lining (CML), Add	*73.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,007.25	106.22
		For Cement Mortar Lining (CML), Add	*84.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*152.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,505.86	112.60
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,517.66	120.40
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,734.56	127.47
		For Cement Mortar Lining (CML), Add	*154.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,795.04	116.84
		For Cement Mortar Lining (CML), Add	*161.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*291.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,130.65	123.21
		For Cement Mortar Lining (CML), Add	*194.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*349.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,181.74	131.01
		For Cement Mortar Lining (CML), Add	*198.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,302.42	138.08
		For Cement Mortar Lining (CML), Add	*209.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,552.17	148.71
		For Cement Mortar Lining (CML), Add	*232.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*418.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.52*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,055.14	131.70
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,353.46	138.08
		For Cement Mortar Lining (CML), Add	*214.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,841.61	145.87
		For Cement Mortar Lining (CML), Add	*262.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,179.09	152.95
		For Cement Mortar Lining (CML), Add	*294.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,866.73	163.56
		For Cement Mortar Lining (CML), Add	*361.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,543.13	178.45
		For Cement Mortar Lining (CML), Add	*427.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*769.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,477.85	155.74
		For Cement Mortar Lining (CML), Add	*324.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,679.96	162.11
		For Cement Mortar Lining (CML), Add	*343.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*618.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross	3,852.78	169.90
		For Cement Mortar Lining (CML), Add	*359.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*647.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,185.52	176.98
		For Cement Mortar Lining (CML), Add	*391.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*705.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,906.53	187.59
		For Cement Mortar Lining (CML), Add	*462.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*832.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*346.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,219.68	202.45
		For Cement Mortar Lining (CML), Add	*491.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*884.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.47*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,448.52	226.48
		For Cement Mortar Lining (CML), Add	*510.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*918.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*382.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,372.49	195.39
		For Cement Mortar Lining (CML), Add	*407.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,576.55	201.78
		For Cement Mortar Lining (CML), Add	*427.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,715.99	209.57
		For Cement Mortar Lining (CML), Add	*439.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*791.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*329.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,046.77	216.64
		For Cement Mortar Lining (CML), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*849.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*353.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,127.66	227.26
		For Cement Mortar Lining (CML), Add	*478.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*861.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*358.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,241.94	242.12
		For Cement Mortar Lining (CML), Add	*587.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,057.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*440.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,470.78	266.15
		For Cement Mortar Lining (CML), Add	*606.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,092.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*455.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	6,980.55	305.79
		For Cement Mortar Lining (CML), Add	*651.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,173.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	5,988.21	244.43
		For Cement Mortar Lining (CML), Add	*561.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,011.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,127.67	250.81
		For Cement Mortar Lining (CML), Add	*574.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,034.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*431.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,363.13	258.60
		For Cement Mortar Lining (CML), Add	*597.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,566.28	265.67
		For Cement Mortar Lining (CML), Add	*616.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,109.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*462.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,678.58	276.29
		For Cement Mortar Lining (CML), Add	*626.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,926.91	291.15
		For Cement Mortar Lining (CML), Add	*648.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,167.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*486.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,243.06	315.18
		For Cement Mortar Lining (CML), Add	*876.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,719.44	354.85
		For Cement Mortar Lining (CML), Add	*918.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,652.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*688.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,693.06	403.89
		For Cement Mortar Lining (CML), Add	*1,008.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,814.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,628.02	325.00
		For Cement Mortar Lining (CML), Add	*1,113.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,004.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*835.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,857.78	332.80
		For Cement Mortar Lining (CML), Add	*1,135.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,043.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*851.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross	12,084.49	339.87
		For Cement Mortar Lining (CML), Add	*1,156.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,082.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*867.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,349.95	350.49
		For Cement Mortar Lining (CML), Add	*1,181.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	30" x 16" Mechanical Joint Ductile Iron Cross	12,651.29	365.35
		For Cement Mortar Lining (CML), Add	*1,209.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,177.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*907.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	12,997.96	389.38
		For Cement Mortar Lining (CML), Add	*1,240.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,233.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*930.60*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,429.19	429.05
		For Cement Mortar Lining (CML), Add	*1,277.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,300.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*958.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,354.09	478.08
		For Cement Mortar Lining (CML), Add	*1,662.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,993.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,247.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	19,952.43	552.28
		For Cement Mortar Lining (CML), Add	*1,911.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,440.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,433.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,354.60	352.36
		For Cement Mortar Lining (CML), Add	*1,582.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,847.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,186.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,582.40	360.15
		For Cement Mortar Lining (CML), Add	*1,603.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,886.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,202.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	16,777.70	367.22
		For Cement Mortar Lining (CML), Add	*1,622.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,919.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	17,009.78	377.84
		For Cement Mortar Lining (CML), Add	*1,643.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,958.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,232.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,279.71	392.70
		For Cement Mortar Lining (CML), Add	*1,668.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,003.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,251.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,592.98	416.73
		For Cement Mortar Lining (CML), Add	*1,696.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,053.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,272.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	17,992.79	456.40
		For Cement Mortar Lining (CML), Add	*1,730.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,114.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,297.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,715.07	505.43
		For Cement Mortar Lining (CML), Add	*1,794.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,230.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,346.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	25,334.86	579.62
		For Cement Mortar Lining (CML), Add	*2,445.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,402.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,834.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,874.00	607.00
		For Cement Mortar Lining (CML), Add	*2,695.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,851.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,021.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	22,064.11	383.03
		For Cement Mortar Lining (CML), Add	*2,148.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,867.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,611.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,997.61	393.65
		For Cement Mortar Lining (CML), Add	*2,440.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,392.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,830.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,544.52	408.51
		For Cement Mortar Lining (CML), Add	*2,192.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,946.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,644.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,818.51	432.54
		For Cement Mortar Lining (CML), Add	*2,216.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,989.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,662.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,202.62	472.21
		For Cement Mortar Lining (CML), Add	*2,248.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,047.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,867.95	521.24
		For Cement Mortar Lining (CML), Add	*2,307.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,154.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,730.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	30,648.76	595.44
		For Cement Mortar Lining (CML), Add	*2,974.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,354.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,230.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	40,223.47	622.79
		For Cement Mortar Lining (CML), Add	*3,927.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,070.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,945.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	43,137.85	638.62
		For Cement Mortar Lining (CML), Add	*4,217.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,590.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,162.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,921.34	445.82
		For Cement Mortar Lining (CML), Add	*2,924.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,264.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,193.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	30,114.15	456.44
		For Cement Mortar Lining (CML), Add	*2,942.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,296.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,206.69*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	30,372.31	471.30
		For Cement Mortar Lining (CML), Add	*2,965.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,338.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,224.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	30,644.35	495.33
		For Cement Mortar Lining (CML), Add	*2,989.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,380.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,242.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	31,000.96	535.00
		For Cement Mortar Lining (CML), Add	*3,019.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,434.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,264.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	31,634.88	584.03
		For Cement Mortar Lining (CML), Add	*3,075.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,535.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,306.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	33,430.10	658.22
		For Cement Mortar Lining (CML), Add	*3,243.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,837.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,432.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	41,113.86	685.58
		For Cement Mortar Lining (CML), Add	*4,007.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,213.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,005.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	53,090.26	701.39
		For Cement Mortar Lining (CML), Add	*5,202.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,364.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,902.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	56,519.59	764.15
		For Cement Mortar Lining (CML), Add	*5,536.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,965.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,152.13*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	154.35	26.71
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	176.39	33.47
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	191.45	35.64
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	249.41	40.16
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	271.38	46.92
		For Cement Mortar Lining (CML), Add	*20.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	308.97	41.93
		For Cement Mortar Lining (CML), Add	*24.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	332.37	48.29
		For Cement Mortar Lining (CML), Add	*25.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	364.33	52.54
		For Cement Mortar Lining (CML), Add	*28.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	380.20	46.17
		For Cement Mortar Lining (CML), Add	*31.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	421.28	52.54
		For Cement Mortar Lining (CML), Add	*34.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	437.54	56.80
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	481.06	60.90
		For Cement Mortar Lining (CML), Add	*38.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	848.22	59.57
		For Cement Mortar Lining (CML), Add	*75.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*136.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	815.38	63.83
		For Cement Mortar Lining (CML), Add	*71.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	715.56	67.93
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	751.46	72.18
		For Cement Mortar Lining (CML), Add	*64.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	996.71	69.46
		For Cement Mortar Lining (CML), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*160.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	969.78	73.71
		For Cement Mortar Lining (CML), Add	*85.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	944.59	77.83
		For Cement Mortar Lining (CML), Add	*82.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,027.61	82.07
		For Cement Mortar Lining (CML), Add	*90.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,146.26	89.11
		For Cement Mortar Lining (CML), Add	*101.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,238.49	90.36
		For Cement Mortar Lining (CML), Add	*110.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,397.87	94.47
		For Cement Mortar Lining (CML), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,337.54	98.71
		For Cement Mortar Lining (CML), Add	*118.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,416.92	105.75
		For Cement Mortar Lining (CML), Add	*125.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,486.89	115.64
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,753.92	123.40
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,669.82	127.51
		For Cement Mortar Lining (CML), Add	*147.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,521.13	131.75
		For Cement Mortar Lining (CML), Add	*132.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,521.96	138.79
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,564.44	148.68
		For Cement Mortar Lining (CML), Add	*133.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,894.01	165.32
		For Cement Mortar Lining (CML), Add	*164.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*295.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,274.00	164.68
		For Cement Mortar Lining (CML), Add	*202.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,335.71	171.72
		For Cement Mortar Lining (CML), Add	*207.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*373.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,378.19	181.61
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,311.11	198.25
		For Cement Mortar Lining (CML), Add	*201.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,840.29	231.30
		For Cement Mortar Lining (CML), Add	*248.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,876.01	205.02
		For Cement Mortar Lining (CML), Add	*456.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,081.87	221.66
		For Cement Mortar Lining (CML), Add	*474.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*854.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,868.81	254.70
		For Cement Mortar Lining (CML), Add	*448.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*806.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.22*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0440	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,704.68	287.64
		For Cement Mortar Lining (CML), Add	*426.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,358.93	273.03
		For Cement Mortar Lining (CML), Add	*694.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,250.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*520.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,977.37	305.96
		For Cement Mortar Lining (CML), Add	*551.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*992.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*413.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,495.87	329.37
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,732.08	233.59
		For Cement Mortar Lining (CML), Add	*937.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,688.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*703.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,670.89	250.23
		For Cement Mortar Lining (CML), Add	*929.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,672.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,689.53	283.27
		For Cement Mortar Lining (CML), Add	*926.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,813.53	316.21
		For Cement Mortar Lining (CML), Add	*1,033.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,860.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*775.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,810.78	339.61
		For Cement Mortar Lining (CML), Add	*829.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,493.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*622.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,219.48	357.93
		For Cement Mortar Lining (CML), Add	*867.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,561.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*650.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,200.96	249.92
		For Cement Mortar Lining (CML), Add	*1,282.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,308.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*961.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,766.70	266.55
		For Cement Mortar Lining (CML), Add	*1,236.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,225.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*927.21*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,109.86	299.59
		For Cement Mortar Lining (CML), Add	*1,165.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,098.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*874.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,456.27	332.53
		For Cement Mortar Lining (CML), Add	*1,195.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,151.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,940.33	355.94
		For Cement Mortar Lining (CML), Add	*1,440.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,592.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,080.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,002.55	374.26
		For Cement Mortar Lining (CML), Add	*1,243.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,238.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*932.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,310.12	384.50
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	136.50	56.39
		For Cement Mortar Lining (CML), Add	*5.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	153.28	66.17
		For Cement Mortar Lining (CML), Add	*5.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	219.56	82.71
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	300.31	94.54
		For Cement Mortar Lining (CML), Add	*15.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	412.91	141.63
		For Cement Mortar Lining (CML), Add	*19.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	530.60	154.50
		For Cement Mortar Lining (CML), Add	*29.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	707.16	169.95
		For Cement Mortar Lining (CML), Add	*44.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.72*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	888.94	188.81
		For Cement Mortar Lining (CML), Add	*60.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps	1,058.23	212.44
		For Cement Mortar Lining (CML), Add	*73.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps	1,320.21	242.76
		For Cement Mortar Lining (CML), Add	*95.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps	1,736.93	283.25
		For Cement Mortar Lining (CML), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps	3,505.57	339.91
		For Cement Mortar Lining (CML), Add	*299.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*538.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps	6,082.93	424.89
		For Cement Mortar Lining (CML), Add	*543.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*979.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps	9,021.59	509.86
		For Cement Mortar Lining (CML), Add	*824.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,484.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*618.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps	10,798.09	566.51
		For Cement Mortar Lining (CML), Add	*993.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,789.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*745.48*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0473 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug	144.36	56.39
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug	165.06	66.17
		For Cement Mortar Lining (CML), Add	*6.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug	250.98	82.71
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug	331.73	94.54
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug	540.55	141.63
		For Cement Mortar Lining (CML), Add	*32.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug	565.95	154.50
		For Cement Mortar Lining (CML), Add	*33.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug	932.98	169.95
		For Cement Mortar Lining (CML), Add	*67.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug	372.51	188.81
		For Cement Mortar Lining (CML), Add	*8.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug	1,394.01	212.44
		For Cement Mortar Lining (CML), Add	*107.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*192.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug	1,777.72	242.76
		For Cement Mortar Lining (CML), Add	*140.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug	2,384.92	283.25
		For Cement Mortar Lining (CML), Add	*195.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug	4,397.05	339.91
		For Cement Mortar Lining (CML), Add	*388.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug	6,640.59	424.89
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug	9,092.28	509.86
		For Cement Mortar Lining (CML), Add	*831.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,497.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug	11,948.76	566.51
		For Cement Mortar Lining (CML), Add	*1,109.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,996.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*831.78*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0489 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	257.50	85.72
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	287.83	99.26
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	378.45	124.06
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	503.48	141.77
		For Cement Mortar Lining (CML), Add	*28.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	824.56	212.44
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	995.20	231.76
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,409.30	254.93
		For Cement Mortar Lining (CML), Add	*102.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,597.51	283.25
		For Cement Mortar Lining (CML), Add	*116.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,269.70	318.66
		For Cement Mortar Lining (CML), Add	*178.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,680.33	364.18
		For Cement Mortar Lining (CML), Add	*212.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*383.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,265.17	424.89
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,597.08	509.86
		For Cement Mortar Lining (CML), Add	*482.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*868.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	7,879.48	637.32
		For Cement Mortar Lining (CML), Add	*691.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,244.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*518.54*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,742.90	728.36
		For Cement Mortar Lining (CML), Add	*963.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,735.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*722.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,359.73	849.76
		For Cement Mortar Lining (CML), Add	*1,207.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*905.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0505		**Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)*		
33 14 13 13-0506	EA	3" Mechanical Joint Ductile Iron Long Sleeves	237.87	85.72
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA	4" Mechanical Joint Ductile Iron Long Sleeves	278.01	99.26
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	6" Mechanical Joint Ductile Iron Long Sleeves	402.01	124.06
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA	8" Mechanical Joint Ductile Iron Long Sleeves	566.31	141.77
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA	10" Mechanical Joint Ductile Iron Long Sleeves	740.13	212.44
		For Cement Mortar Lining (CML), Add	*41.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA	12" Mechanical Joint Ductile Iron Long Sleeves	916.66	231.76
		For Cement Mortar Lining (CML), Add	*56.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,240.43	254.93
		For Cement Mortar Lining (CML), Add	*85.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,511.11	283.25
		For Cement Mortar Lining (CML), Add	*108.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	18" Mechanical Joint Ductile Iron Long Sleeves	1,867.16	318.66
		For Cement Mortar Lining (CML), Add	*138.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,222.81	364.18
		For Cement Mortar Lining (CML), Add	*167.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*300.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.33*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0516	EA	24" Mechanical Joint Ductile Iron Long Sleeves	2,844.96	424.89
		For Cement Mortar Lining (CML), Add	*220.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,383.04	509.86
		For Cement Mortar Lining (CML), Add	*461.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*829.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves	7,439.63	637.32
		For Cement Mortar Lining (CML), Add	*647.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,165.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*485.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves	9,761.81	727.52
		For Cement Mortar Lining (CML), Add	*865.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,558.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*649.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves	13,452.02	849.76
		For Cement Mortar Lining (CML), Add	*1,216.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,189.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*912.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0521 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0522 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0523	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27
33 14 13 13-0524	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	37.66
33 14 13 13-0525	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	45.51
33 14 13 13-0526	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	53.35
33 14 13 13-0527	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	73.75
33 14 13 13-0528	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	78.46
33 14 13 13-0529	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	128.67
33 14 13 13-0530	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	136.52
33 14 13 13-0531	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	182.03
33 14 13 13-0532	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	235.38
33 14 13 13-0533	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	327.96
33 14 13 13-0534	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	783.03
33 14 13 13-0535	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,688.46
33 14 13 13-0536	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,465.21
33 14 13 13-0537	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,025.42

33 14 13 13-0538 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0539	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	66.76
33 14 13 13-0540	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	53.35
33 14 13 13-0541	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	67.48
33 14 13 13-0542	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	73.75
33 14 13 13-0543	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	102.00
33 14 13 13-0544	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	106.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0545	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	161.63	
33 14 13 13-0546	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	177.32	
33 14 13 13-0547	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	235.38	
33 14 13 13-0548	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	304.42	
33 14 13 13-0549	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	425.25	
33 14 13 13-0550		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0551	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	43.20	
33 14 13 13-0552	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	40.80	
33 14 13 13-0553	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.65	
33 14 13 13-0554	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	58.06	
33 14 13 13-0555	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	80.03	
33 14 13 13-0556	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	84.74	
33 14 13 13-0557	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	139.66	
33 14 13 13-0558	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	147.50	
33 14 13 13-0559	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	199.29	
33 14 13 13-0560	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	255.78	
33 14 13 13-0561	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	357.78	
33 14 13 13-0562	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	856.78	
33 14 13 13-0563	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,898.73	
33 14 13 13-0564	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,749.24	
33 14 13 13-0565	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,383.20	
33 14 13 13-0566		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0567	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	161.59	43.00
33 14 13 13-0568	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	181.91	50.93
33 14 13 13-0569	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	225.82	63.02
33 14 13 13-0570	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	288.29	73.55
33 14 13 13-0571	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	413.70	106.22
33 14 13 13-0572	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	522.76	121.42
33 14 13 13-0573	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	622.93	130.69
33 14 13 13-0574	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	793.57	141.63
33 14 13 13-0575	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,033.96	169.95
33 14 13 13-0576	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,236.13	188.75
33 14 13 13-0577	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,641.71	217.78
33 14 13 13-0578	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,402.47	261.17
33 14 13 13-0579	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,195.99	326.83
33 14 13 13-0580	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,332.82	377.12
33 14 13 13-0581	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,107.09	485.01
33 14 13 13-0582		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*		
33 14 13 13-0583	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,595.30	35.18
33 14 13 13-0584	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,775.19	43.99
33 14 13 13-0585	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	6,928.51	65.01
33 14 13 13-0586	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,429.23	77.11
33 14 13 13-0587	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	11,900.15	84.79
33 14 13 13-0588	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	15,890.67	99.47
33 14 13 13-0589	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,590.16	111.54
33 14 13 13-0590	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,182.14	127.47
33 14 13 13-0591	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,088.91	178.45
33 14 13 13-0592	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,120.70	223.06
33 14 13 13-0593	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	48,679.60	297.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0594		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0595	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	160.03	43.00
33 14 13 13-0596	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	210.76	50.93
33 14 13 13-0597	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	275.87	63.02
33 14 13 13-0598	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	312.84	73.55
33 14 13 13-0599	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	570.02	112.79
33 14 13 13-0600	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	643.54	128.92
33 14 13 13-0601		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0602	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	258.08	43.00
33 14 13 13-0603	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	324.21	50.93
33 14 13 13-0604	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	458.26	63.02
33 14 13 13-0605	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	684.75	73.55
33 14 13 13-0606	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	984.10	112.79
33 14 13 13-0607	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,237.87	128.92
33 14 13 13-0608	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,982.81	138.76
33 14 13 13-0609	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,834.48	150.38
33 14 13 13-0610	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,192.91	180.46
33 14 13 13-0611	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,525.59	200.42
33 14 13 13-0612	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,279.26	231.25
33 14 13 13-0613	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,531.02	277.32
33 14 13 13-0614	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,346.07	347.04
33 14 13 13-0615	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,406.70	400.42
33 14 13 13-0616	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	28,697.10	514.99
33 14 13 13-0617		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)* Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0618	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,228.89	66.17
33 14 13 13-0619	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,981.45	82.71
33 14 13 13-0620	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,646.88	94.54
33 14 13 13-0621	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,639.45	141.63
33 14 13 13-0622	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,799.20	154.50
33 14 13 13-0623	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,570.12	169.95
33 14 13 13-0624	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,191.49	188.81
33 14 13 13-0625	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,933.05	212.44
33 14 13 13-0626	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,093.78	242.76
33 14 13 13-0627	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	16,073.29	283.25
33 14 13 13-0628	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	57,113.55	339.91
33 14 13 13-0629	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	81,165.65	424.89
33 14 13 13-0630		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0631		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	455.43	24.54
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	545.15	29.39
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	849.10	43.06
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,171.65	51.26
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,625.08	56.65
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,067.95	66.31
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,967.72	74.68
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,608.25	84.98
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,337.16	119.10
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,405.29	148.71
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,659.64	198.27
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,411.77	212.44
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,411.03	220.81
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	30,486.28	254.93
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	39,967.63	271.03
33 14 13 13-0647		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	433.83	24.54
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	507.84	29.39
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	784.30	43.06
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,071.50	51.26
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,413.01	56.65
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,877.48	66.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,559.30	74.68
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,070.22	84.98
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,604.74	119.10
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,370.47	148.71
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,756.91	198.27
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,807.50	212.44
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,047.38	220.81
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,463.01	254.93
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	28,834.02	271.03
33 14 13 13-0663		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	329.76	24.54
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	501.95	29.39
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	760.73	43.06
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,063.65	51.26
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,411.05	56.65
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,763.59	66.31
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,575.00	74.68
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,999.53	84.98
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,587.07	119.10
33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,533.45	148.71
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,627.32	198.27
33 14 13 13-0675	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,584.18	212.44
33 14 13 13-0676	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,181.96	220.81
33 14 13 13-0677	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,950.13	254.93
33 14 13 13-0678	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	24,343.27	271.03
33 14 13 13-0679		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0680	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	329.76	24.54
33 14 13 13-0681	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	609.95	29.39
33 14 13 13-0682	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	768.59	43.06
33 14 13 13-0683	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,028.30	51.26
33 14 13 13-0684	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,407.12	56.65
33 14 13 13-0685	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,710.57	66.31
33 14 13 13-0686	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,781.18	74.68
33 14 13 13-0687	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,095.75	84.98
33 14 13 13-0688	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,144.73	119.10
33 14 13 13-0689	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,364.58	148.71
33 14 13 13-0690	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,629.28	198.27
33 14 13 13-0691	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,713.78	212.44
33 14 13 13-0692	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,810.84	220.81
33 14 13 13-0693	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,419.96	254.93
33 14 13 13-0694	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	24,201.89	271.03
33 14 13 13-0695		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0696	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	394.56	24.54
33 14 13 13-0697	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	590.31	29.39
33 14 13 13-0698	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	923.71	43.06
33 14 13 13-0699	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,265.90	51.26
33 14 13 13-0700	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,762.53	56.65
33 14 13 13-0701	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,219.14	66.31
33 14 13 13-0702	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,053.60	74.68
33 14 13 13-0703	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,371.03	84.98
33 14 13 13-0704	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,249.18	119.10
33 14 13 13-0705	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,338.91	148.71
33 14 13 13-0706	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,963.47	198.27
33 14 13 13-0707		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0630)*		
33 14 13 13-0708	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	394.56	24.54
33 14 13 13-0709	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	515.69	29.39
33 14 13 13-0710	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	815.72	43.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0711	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,167.72	51.26
33 14 13 13-0712	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,564.22	56.65
33 14 13 13-0713	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,046.35	66.31
33 14 13 13-0714	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,747.80	74.68
33 14 13 13-0715	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,307.82	84.98
33 14 13 13-0716	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,247.74	119.10
33 14 13 13-0717	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,520.60	148.71
33 14 13 13-0718	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,728.90	198.27

33 14 13 13-0719 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0630)*

33 14 13 13-0720	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	552.57	36.82
33 14 13 13-0721	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	600.92	41.50
33 14 13 13-0722	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	635.06	43.06
33 14 13 13-0723	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	915.28	54.59
33 14 13 13-0724	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	995.27	56.73
33 14 13 13-0725	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,044.79	63.57
33 14 13 13-0726	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,226.92	65.62
33 14 13 13-0727	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,325.53	72.45
33 14 13 13-0728	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,461.97	77.24
33 14 13 13-0729	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,671.42	70.17
33 14 13 13-0730	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,659.48	76.61
33 14 13 13-0731	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,801.41	81.12
33 14 13 13-0732	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,947.04	84.98
33 14 13 13-0733	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,020.07	78.54
33 14 13 13-0734	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,029.71	84.98
33 14 13 13-0735	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,199.14	89.48
33 14 13 13-0736	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,548.99	93.34
33 14 13 13-0737	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,549.54	97.85
33 14 13 13-0738	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,905.20	99.14
33 14 13 13-0739	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,149.24	103.64
33 14 13 13-0740	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,848.61	107.51
33 14 13 13-0741	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,065.14	112.01
33 14 13 13-0742	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,743.95	119.10
33 14 13 13-0743	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,475.11	119.10
33 14 13 13-0744	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,666.19	122.96
33 14 13 13-0745	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,428.40	127.47
33 14 13 13-0746	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,136.37	131.32
33 14 13 13-0747	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,444.96	138.40
33 14 13 13-0748	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,892.47	148.71
33 14 13 13-0749	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,568.27	152.57
33 14 13 13-0750	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,824.10	156.43
33 14 13 13-0751	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,150.39	160.29
33 14 13 13-0752	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,451.36	164.80
33 14 13 13-0753	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,597.49	171.89
33 14 13 13-0754	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,983.61	181.54
33 14 13 13-0755	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,686.27	198.27
33 14 13 13-0756	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,188.74	218.24
33 14 13 13-0757	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,275.69	222.74
33 14 13 13-0758	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,823.87	226.60
33 14 13 13-0759	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,120.92	231.11
33 14 13 13-0760	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,174.77	238.19
33 14 13 13-0761	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,077.83	247.85
33 14 13 13-0762	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,846.73	264.58
33 14 13 13-0763	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,585.10	297.42
33 14 13 13-0764	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,270.36	283.90
33 14 13 13-0765	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,327.85	289.04
33 14 13 13-0766	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,444.03	292.27
33 14 13 13-0767	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,619.33	296.77
33 14 13 13-0768	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,578.40	303.85
33 14 13 13-0769	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,909.53	313.51
33 14 13 13-0770	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,815.88	330.25
33 14 13 13-0771	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,101.57	363.72
33 14 13 13-0772	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,395.49	396.56
33 14 13 13-0773	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,218.86	330.90
33 14 13 13-0774	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,651.94	335.40
33 14 13 13-0775	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,280.62	339.26
33 14 13 13-0776	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,911.47	343.77
33 14 13 13-0777	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,805.74	350.85
33 14 13 13-0778	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,767.19	466.73
33 14 13 13-0779	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,678.51	377.24
33 14 13 13-0780	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,612.73	410.08
33 14 13 13-0781	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,159.42	442.91
33 14 13 13-0782	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,994.98	466.73
33 14 13 13-0783	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,534.14	372.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0784	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,965.94	375.96
33 14 13 13-0785	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,736.21	380.46
33 14 13 13-0786	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,275.08	387.54
33 14 13 13-0787	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,812.38	397.21
33 14 13 13-0788	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,850.81	413.94
33 14 13 13-0789	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,916.06	446.77
33 14 13 13-0790	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,766.58	479.60
33 14 13 13-0791	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,252.62	521.45
33 14 13 13-0792	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	24,575.30	521.45
33 14 13 13-0793	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,274.32	401.06
33 14 13 13-0794	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,844.61	407.51
33 14 13 13-0795	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,769.66	417.80
33 14 13 13-0796	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,275.81	434.54
33 14 13 13-0797	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,325.87	467.38
33 14 13 13-0798	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,876.25	500.20
33 14 13 13-0799	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,388.87	524.02
33 14 13 13-0800	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,811.56	542.05
33 14 13 13-0801	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,884.93	552.35
33 14 13 13-0802	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,024.66	433.25
33 14 13 13-0803	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,618.50	440.33
33 14 13 13-0804	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,462.12	450.63
33 14 13 13-0805	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,310.09	466.73
33 14 13 13-0806	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,188.79	500.20
33 14 13 13-0807	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,348.66	533.04
33 14 13 13-0808	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,052.66	556.21
33 14 13 13-0809	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,212.28	574.88
33 14 13 13-0810	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,349.25	585.18
33 14 13 13-0811	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	52,697.00	601.27

33 14 13 13-0812 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0630)*

33 14 13 13-0813	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	620.00	41.14
33 14 13 13-0814	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	688.73	41.14
33 14 13 13-0815	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	815.72	43.06
33 14 13 13-0816	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	889.75	54.59
33 14 13 13-0817	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	999.19	56.73
33 14 13 13-0818	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,231.33	63.57
33 14 13 13-0819	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,645.16	65.62
33 14 13 13-0820	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,498.33	72.45
33 14 13 13-0821	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,691.71	77.24
33 14 13 13-0822	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,454.90	70.17
33 14 13 13-0823	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,550.95	76.61
33 14 13 13-0824	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,861.75	81.12
33 14 13 13-0825	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,129.13	84.98
33 14 13 13-0826	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,007.77	78.54
33 14 13 13-0827	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,417.98	84.98
33 14 13 13-0828	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,064.56	89.48
33 14 13 13-0829	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,060.97	93.34
33 14 13 13-0830	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,727.70	97.85
33 14 13 13-0831	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,460.37	99.14
33 14 13 13-0832	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,146.22	103.64
33 14 13 13-0833	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,831.32	107.51
33 14 13 13-0834	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,332.57	112.01
33 14 13 13-0835	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,127.24	119.10
33 14 13 13-0836	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,616.02	119.10
33 14 13 13-0837	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,113.36	122.96
33 14 13 13-0838	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,103.35	127.47
33 14 13 13-0839	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,296.33	131.32
33 14 13 13-0840	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,842.51	138.40
33 14 13 13-0841	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,386.24	148.71
33 14 13 13-0842	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,571.14	152.57
33 14 13 13-0843	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,101.88	156.43
33 14 13 13-0844	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,614.70	160.29
33 14 13 13-0845	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,170.94	164.80
33 14 13 13-0846	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,244.43	171.89
33 14 13 13-0847	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,324.22	181.54
33 14 13 13-0848	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,483.49	198.27
33 14 13 13-0849	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,666.80	218.24
33 14 13 13-0850	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,836.23	222.74
33 14 13 13-0851	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,667.16	226.60
33 14 13 13-0852	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,490.46	231.11
33 14 13 13-0853	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,569.83	238.19
33 14 13 13-0854	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,659.44	247.85
33 14 13 13-0855	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,267.32	264.58
33 14 13 13-0856	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,516.22	297.42
33 14 13 13-0857	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,256.99	283.90
33 14 13 13-0858	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,375.36	288.41
33 14 13 13-0859	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,536.17	292.27
33 14 13 13-0860	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,059.03	296.77
33 14 13 13-0861	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,897.79	303.85
33 14 13 13-0862	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,411.01	313.51
33 14 13 13-0863	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,193.65	330.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0864	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,791.03	363.72
33 14 13 13-0865	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,537.64	396.56
33 14 13 13-0866	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,972.59	330.90
33 14 13 13-0867	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,512.08	335.40
33 14 13 13-0868	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,871.22	339.26
33 14 13 13-0869	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,232.54	343.77
33 14 13 13-0870	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,159.66	350.85
33 14 13 13-0871	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,226.61	360.51
33 14 13 13-0872	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,939.08	377.24
33 14 13 13-0873	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,949.35	410.08
33 14 13 13-0874	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,383.59	442.91
33 14 13 13-0875	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,144.54	466.73
33 14 13 13-0876	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,003.81	380.46
33 14 13 13-0877	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,559.83	387.54
33 14 13 13-0878	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,100.53	397.21
33 14 13 13-0879	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	45,080.96	413.94
33 14 13 13-0880	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,098.03	446.77
33 14 13 13-0881	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	53,406.45	479.60
33 14 13 13-0882	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,943.39	503.42
33 14 13 13-0883	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	71,805.77	521.45
33 14 13 13-0884	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,156.50	467.38
33 14 13 13-0885	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	64,661.43	500.20
33 14 13 13-0886	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,107.13	524.02
33 14 13 13-0887	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	79,221.92	542.05
33 14 13 13-0888	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	93,734.70	552.35
33 14 13 13-0889	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,173.11	500.20
33 14 13 13-0890	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	70,529.05	533.04
33 14 13 13-0891	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,208.43	556.21
33 14 13 13-0892	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	85,933.88	574.88
33 14 13 13-0893	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	112,925.34	585.18
33 14 13 13-0894	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	124,117.06	601.27

33 14 13 13-0895 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0630)*

33 14 13 13-0896	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,117.44	63.57
33 14 13 13-0897	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,400.15	72.45
33 14 13 13-0898	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,052.20	76.61
33 14 13 13-0899	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,367.45	84.98
33 14 13 13-0900	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,154.58	99.14
33 14 13 13-0901	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,846.29	119.10
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,519.18	152.57
33 14 13 13-0903	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,050.76	218.24
33 14 13 13-0904	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,033.23	283.90
33 14 13 13-0905	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,062.68	330.90

33 14 13 13-0906 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0630)*

33 14 13 13-0907	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	602.58	49.09
33 14 13 13-0908	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	766.23	53.41
33 14 13 13-0909	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	979.40	54.00
33 14 13 13-0910	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,022.37	66.95
33 14 13 13-0911	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,207.02	72.45
33 14 13 13-0912	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,314.87	90.23
33 14 13 13-0913	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,278.15	79.29
33 14 13 13-0914	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,499.89	97.06
33 14 13 13-0915	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,470.89	103.90
33 14 13 13-0916	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,518.64	82.40
33 14 13 13-0917	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,689.69	99.14
33 14 13 13-0918	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,029.24	105.58
33 14 13 13-0919	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,200.11	113.31
33 14 13 13-0920	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,980.97	89.48
33 14 13 13-0921	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,287.52	106.22
33 14 13 13-0922	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,487.66	112.66
33 14 13 13-0923	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,921.63	120.39
33 14 13 13-0924	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,354.53	127.47
33 14 13 13-0925	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,495.51	116.52
33 14 13 13-0926	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,172.80	122.96
33 14 13 13-0927	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,265.12	131.32
33 14 13 13-0928	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,501.65	137.77
33 14 13 13-0929	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,996.85	148.71
33 14 13 13-0930	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,910.74	131.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0931	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,497.71	137.77
33 14 13 13-0932	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,461.86	146.13
33 14 13 13-0933	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,126.46	153.21
33 14 13 13-0934	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,483.69	163.51
33 14 13 13-0935	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,796.82	178.32
33 14 13 13-0936	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,884.70	155.80
33 14 13 13-0937	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,289.05	162.23
33 14 13 13-0938	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,630.75	169.95
33 14 13 13-0939	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,303.19	177.03
33 14 13 13-0940	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,764.48	187.34
33 14 13 13-0941	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,381.98	202.14
33 14 13 13-0942	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,813.08	226.60
33 14 13 13-0943	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,657.07	195.70
33 14 13 13-0944	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,065.34	201.49
33 14 13 13-0945	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,338.31	209.87
33 14 13 13-0946	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,004.86	216.95
33 14 13 13-0947	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,154.48	227.25
33 14 13 13-0948	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,415.50	242.06
33 14 13 13-0949	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,846.59	265.87
33 14 13 13-0950	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,829.59	305.79
33 14 13 13-0951	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,892.75	244.63
33 14 13 13-0952	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,167.70	251.06
33 14 13 13-0953	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,638.79	258.79
33 14 13 13-0954	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,044.20	265.87
33 14 13 13-0955	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,256.64	276.17
33 14 13 13-0956	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,742.57	290.98
33 14 13 13-0957	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,454.31	315.44
33 14 13 13-0958	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,368.57	354.72
33 14 13 13-0959	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,288.65	403.64
33 14 13 13-0960	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,553.63	325.10
33 14 13 13-0961	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,918.88	332.83
33 14 13 13-0962	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,279.12	339.91
33 14 13 13-0963	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,699.70	350.21
33 14 13 13-0964	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,175.80	365.66
33 14 13 13-0965	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,714.91	389.48
33 14 13 13-0966	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,375.88	428.75
33 14 13 13-0967	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,696.37	478.31
33 14 13 13-0968	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,840.06	552.35
33 14 13 13-0969	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,194.19	352.13
33 14 13 13-0970	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,555.53	359.86
33 14 13 13-0971	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,866.68	366.94
33 14 13 13-0972	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,232.28	377.89
33 14 13 13-0973	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,655.37	392.70
33 14 13 13-0974	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,141.44	416.51
33 14 13 13-0975	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,753.32	456.43
33 14 13 13-0976	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,878.13	505.36
33 14 13 13-0977	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,544.90	579.39
33 14 13 13-0978	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,637.25	607.07
33 14 13 13-0979	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,424.44	383.04
33 14 13 13-0980	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,157.24	393.34
33 14 13 13-0981	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,566.59	408.79
33 14 13 13-0982	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,127.27	432.60
33 14 13 13-0983	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,145.61	472.52
33 14 13 13-0984	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,366.12	521.45
33 14 13 13-0985	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,147.83	595.48
33 14 13 13-0986	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	64,652.62	622.52
33 14 13 13-0987	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	69,363.70	638.62
33 14 13 13-0988	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,110.17	446.13
33 14 13 13-0989	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,412.94	456.43
33 14 13 13-0990	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,816.41	471.23
33 14 13 13-0991	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,235.71	495.06
33 14 13 13-0992	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,776.90	534.96
33 14 13 13-0993	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,758.38	583.89
33 14 13 13-0994	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	53,600.20	657.92
33 14 13 13-0995	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,037.84	685.60
33 14 13 13-0996	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	85,446.46	701.70
33 14 13 13-0997	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	90,949.35	764.15

33 14 13 13-0998 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0630)*

33 14 13 13-0999	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	443.00	26.71
33 14 13 13-1000	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	626.05	33.47
33 14 13 13-1001	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	690.21	35.55
33 14 13 13-1002	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	917.03	40.33
33 14 13 13-1003	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	944.89	47.17
33 14 13 13-1004	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,133.68	41.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1005	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,178.68	48.28
33 14 13 13-1006	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,222.43	52.79
33 14 13 13-1007	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,314.87	46.35
33 14 13 13-1008	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,452.17	52.79
33 14 13 13-1009	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,470.40	56.65
33 14 13 13-1010	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,533.55	61.16
33 14 13 13-1011	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,311.10	59.87
33 14 13 13-1012	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,317.53	63.73
33 14 13 13-1013	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,995.83	68.24
33 14 13 13-1014	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,031.72	72.10
33 14 13 13-1015	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,773.77	69.52
33 14 13 13-1016	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,680.08	74.03
33 14 13 13-1017	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,501.72	77.90
33 14 13 13-1018	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,463.00	81.76
33 14 13 13-1019	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,791.76	88.84
33 14 13 13-1020	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,990.02	90.12
33 14 13 13-1021	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,385.03	94.63
33 14 13 13-1022	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,218.67	98.50
33 14 13 13-1023	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,869.46	105.58
33 14 13 13-1024	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,348.39	115.88
33 14 13 13-1025	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,976.72	123.61
33 14 13 13-1026	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,002.57	127.47
33 14 13 13-1027	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,608.44	131.97
33 14 13 13-1028	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,593.56	139.05
33 14 13 13-1029	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,482.87	148.71
33 14 13 13-1030	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,138.41	165.45
33 14 13 13-1031	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,993.59	164.80
33 14 13 13-1032	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,059.22	171.89
33 14 13 13-1033	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,137.04	181.54
33 14 13 13-1034	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,024.80	198.27
33 14 13 13-1035	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,791.59	231.11
33 14 13 13-1036	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,276.44	204.72
33 14 13 13-1037	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,657.06	221.46
33 14 13 13-1038	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,231.93	254.93
33 14 13 13-1039	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,699.17	287.76
33 14 13 13-1040	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,230.62	272.95
33 14 13 13-1041	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,277.13	305.79
33 14 13 13-1042	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,035.19	329.61
33 14 13 13-1043	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,393.52	233.68
33 14 13 13-1044	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,253.78	250.42
33 14 13 13-1045	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,242.97	283.25
33 14 13 13-1046	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,919.27	316.09
33 14 13 13-1047	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,318.15	339.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1048	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,025.32	357.93
33 14 13 13-1049	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,258.52	249.78
33 14 13 13-1050	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,462.95	266.52
33 14 13 13-1051	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,252.38	299.35
33 14 13 13-1052	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,830.50	332.83
33 14 13 13-1053	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	26,234.96	356.00
33 14 13 13-1054	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,571.17	374.02
33 14 13 13-1055	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,872.32	384.32

33 14 13 13-1056 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0630)*

33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	354.46	56.39
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	430.14	66.31
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	651.55	82.71
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	899.21	94.33
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,166.94	141.63
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,510.44	154.50
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,726.27	169.95
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,129.93	188.62
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,509.33	212.44
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,048.17	242.70
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,953.83	283.25
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,456.34	339.91
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,437.14	424.89
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,091.46	509.86
33 14 13 13-1071	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	21,607.71	566.51

33 14 13 13-1072 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0630)*

33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	356.43	56.39
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	449.78	66.31
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	702.61	82.71
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	950.26	94.33
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,459.51	141.63
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,577.20	154.50
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,152.37	169.95
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,622.79	188.62
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,139.65	212.44
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,900.38	242.70
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,167.34	283.25
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,133.25	339.91
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,479.81	424.89
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,223.02	509.86
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	24,397.99	566.51

33 14 13 13-1088 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0630)*

33 14 13 13-1089	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	469.57	85.72
33 14 13 13-1090	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	643.24	99.12
33 14 13 13-1091	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	904.69	124.40
33 14 13 13-1092	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,222.16	141.49
33 14 13 13-1093	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,790.65	212.44
33 14 13 13-1094	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,173.36	231.76
33 14 13 13-1095	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,919.30	254.93
33 14 13 13-1096	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,323.52	283.25
33 14 13 13-1097	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,445.36	318.66
33 14 13 13-1098	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,164.29	364.37
33 14 13 13-1099	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,277.33	424.89
33 14 13 13-1100	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,129.06	509.86
33 14 13 13-1101	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,868.46	637.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1102	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,092.14	728.09
33 14 13 13-1103	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	23,817.87	849.76

33 14 13 13-1104 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0630)*

33 14 13 13-1105	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	493.14	85.72
33 14 13 13-1106	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	613.79	99.12
33 14 13 13-1107	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	938.08	124.40
33 14 13 13-1108	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,312.48	141.49
33 14 13 13-1109	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,664.98	212.44
33 14 13 13-1110	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,055.54	231.76
33 14 13 13-1111	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,667.96	254.93
33 14 13 13-1112	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,189.99	283.25
33 14 13 13-1113	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,840.58	318.66
33 14 13 13-1114	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,482.92	364.37
33 14 13 13-1115	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,652.90	424.89
33 14 13 13-1116	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,805.07	509.86
33 14 13 13-1117	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,786.51	637.32
33 14 13 13-1118	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,809.17	727.45
33 14 13 13-1119	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	25,339.66	849.76

33 14 13 13-1120 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1121 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1120)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1122	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	31.46	5.64
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.04*	
		For Cement Mortar Lining (CML), Add	*2.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.72*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.89*	
		For >1,000, Deduct	*-1.57*	
		For Class 51, Add	*3.23*	
		For Class 52, Add	*6.98*	
		For Class 53, Add	*12.60*	
		For Class 54, Add	*17.99*	
		For Class 55, Add	*20.67*	
		For Class 56, Add	*23.30*	
33 14 13 13-1123	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	34.51	6.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.61*	
		For Cement Mortar Lining (CML), Add	*2.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.89*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.95*	
		For >1,000, Deduct	*-1.73*	
		For Class 51, Add	*3.54*	
		For Class 52, Add	*7.66*	
		For Class 53, Add	*13.83*	
		For Class 54, Add	*19.74*	
		For Class 55, Add	*22.68*	
		For Class 56, Add	*25.56*	
33 14 13 13-1124	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	44.62	6.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.06*	
		For Cement Mortar Lining (CML), Add	*3.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.56*	
		For Fusion Bonded Epoxy Lining (206N), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*16.33*	
		For >1,000, Deduct	*-2.23*	
		For Class 51, Add	*4.81*	
		For Class 52, Add	*10.40*	
		For Class 53, Add	*18.80*	
		For Class 54, Add	*26.85*	
		For Class 55, Add	*30.83*	
		For Class 56, Add	*34.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1125	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	62.98	9.59
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.09*	
		For Cement Mortar Lining (CML), Add	*4.85*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.64*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*23.03*	
		For >1,000, Deduct	*-3.15*	
		For Class 51, Add	*6.79*	
		For Class 52, Add	*14.67*	
		For Class 53, Add	*26.53*	
		For Class 54, Add	*37.89*	
		For Class 55, Add	*43.50*	
		For Class 56, Add	*49.02*	
33 14 13 13-1126	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	73.90	10.62
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.91*	
		For Cement Mortar Lining (CML), Add	*5.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*27.46*	
		For >1,000, Deduct	*-3.70*	
		For Class 51, Add	*8.08*	
		For Class 52, Add	*17.46*	
		For Class 53, Add	*31.58*	
		For Class 54, Add	*45.11*	
		For Class 55, Add	*51.79*	
		For Class 56, Add	*58.35*	
33 14 13 13-1127	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	91.78	11.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*32.42*	
		For Cement Mortar Lining (CML), Add	*7.37*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*25.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*35.00*	
		For >1,000, Deduct	*-4.59*	
		For Class 51, Add	*10.27*	
		For Class 52, Add	*22.20*	
		For Class 53, Add	*40.17*	
		For Class 54, Add	*57.38*	
		For Class 55, Add	*65.87*	
		For Class 56, Add	*74.20*	
33 14 13 13-1128	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	109.64	13.65
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*36.48*	
		For Cement Mortar Lining (CML), Add	*8.90*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*27.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.67*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*42.26*	
		For >1,000, Deduct	*-5.48*	
		For Class 51, Add	*12.38*	
		For Class 52, Add	*26.77*	
		For Class 53, Add	*48.45*	
		For Class 54, Add	*69.22*	
		For Class 55, Add	*79.45*	
		For Class 56, Add	*89.50*	
33 14 13 13-1129	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	127.47	15.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.37*	
		For Cement Mortar Lining (CML), Add	*10.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.03*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*49.08*	
		For >1,000, Deduct	*-6.37*	
		For Class 51, Add	*14.39*	
		For Class 52, Add	*31.10*	
		For Class 53, Add	*56.28*	
		For Class 54, Add	*80.40*	
		For Class 55, Add	*92.28*	
		For Class 56, Add	*103.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1130	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	145.86	19.12
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.42*	
		For Cement Mortar Lining (CML), Add	*11.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*55.52*	
		For >1,000, Deduct	*-7.29*	
		For Class 51, Add	*16.29*	
		For Class 52, Add	*35.22*	
		For Class 53, Add	*63.73*	
		For Class 54, Add	*91.03*	
		For Class 55, Add	*104.50*	
		For Class 56, Add	*117.72*	
33 14 13 13-1131	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	184.97	23.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*46.10*	
		For Cement Mortar Lining (CML), Add	*14.87*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.15*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*70.64*	
		For >1,000, Deduct	*-9.25*	
		For Class 51, Add	*20.72*	
		For Class 52, Add	*44.79*	
		For Class 53, Add	*81.06*	
		For Class 54, Add	*115.79*	
		For Class 55, Add	*132.92*	
		For Class 56, Add	*149.73*	
33 14 13 13-1132	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	223.73	25.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*57.38*	
		For Cement Mortar Lining (CML), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.88*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.19*	
		For Class 51, Add	*25.71*	
		For Class 52, Add	*55.59*	
		For Class 53, Add	*100.64*	
		For Class 54, Add	*143.79*	
		For Class 55, Add	*165.02*	
		For Class 56, Add	*185.87*	
33 14 13 13-1133	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	284.74	27.11
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*75.54*	
		For Cement Mortar Lining (CML), Add	*24.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.28*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.24*	
		For Class 51, Add	*33.73*	
		For Class 52, Add	*72.93*	
		For Class 53, Add	*132.12*	
		For Class 54, Add	*188.80*	
		For Class 55, Add	*216.63*	
		For Class 56, Add	*243.95*	
33 14 13 13-1134	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	354.17	28.71
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*96.32*	
		For Cement Mortar Lining (CML), Add	*31.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.30*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-17.71*	
		For Class 51, Add	*42.89*	
		For Class 52, Add	*92.78*	
		For Class 53, Add	*168.14*	
		For Class 54, Add	*240.30*	
		For Class 55, Add	*275.67*	
		For Class 56, Add	*310.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1135	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	433.25	30.25
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*120.08*	
		For Cement Mortar Lining (CML), Add	*38.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.66*	
		For Class 51, Add	*53.37*	
		For Class 52, Add	*115.45*	
		For Class 53, Add	*209.30*	
		For Class 54, Add	*299.16*	
		For Class 55, Add	*343.16*	
		For Class 56, Add	*386.34*	
33 14 13 13-1136	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	559.95	31.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*158.62*	
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-28.00*	
		For Class 51, Add	*70.34*	
		For Class 52, Add	*152.20*	
		For Class 53, Add	*276.01*	
		For Class 54, Add	*394.56*	
		For Class 55, Add	*452.52*	
		For Class 56, Add	*509.41*	

33 14 13 13-1137 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1120)*

33 14 13 13-1138	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	270.98	22.01
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1139	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	391.76	32.47
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1140	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	533.57	38.55
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1141	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	805.90	42.36
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1142	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,053.03	49.70
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1143	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,199.44	55.74
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1144	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,484.60	63.73
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1145	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	3,897.46	89.23
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	
33 14 13 13-1146	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,360.93	112.47
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1147	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,444.90	140.59
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1148 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1120)*

33 14 13 13-1149	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	216.94	22.01
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1150	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	319.10	32.47
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1151	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	455.40	38.55
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1152	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	697.98	42.36
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1153	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	915.50	49.70
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1154	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,340.71	55.74
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1155	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,034.95	63.73
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1156	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,297.85	89.23
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1157	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,265.74	112.47
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1158	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,050.00	140.59
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	

33 14 13 13-1159 Push-On Joint Ductile Iron Tee *(33 14 13 13-1120)*

33 14 13 13-1160	EA	4" Tee, Push-On Joint Ductile Iron	416.64	32.47
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1161	EA	6" Tee, Push-On Joint Ductile Iron	575.07	47.72
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1162	EA	8" Tee, Push-On Joint Ductile Iron	800.45	57.83
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1163	EA	10" Tee, Push-On Joint Ductile Iron	1,218.12	64.38
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1164	EA	12" Tee, Push-On Joint Ductile Iron	1,527.04	74.23
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1165	EA	14" Tee, Push-On Joint Ductile Iron	2,521.02	89.23
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1166	EA	16" Tee, Push-On Joint Ductile Iron	3,679.17	111.56
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1167	EA	18" Tee, Push-On Joint Ductile Iron	4,606.85	148.83
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1168	EA	20" Tee, Push-On Joint Ductile Iron	5,416.24	181.61
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1169	EA	24" Tee, Push-On Joint Ductile Iron	7,115.93	226.99
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1170 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1120)*

33 14 13 13-1171	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	367.11	76.36
		For Cement Mortar Lining (CML), Add	*25.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1172	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	447.98	94.54
		For Cement Mortar Lining (CML), Add	*30.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1173	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	605.19	110.26
		For Cement Mortar Lining (CML), Add	*43.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	812.84	159.34
		For Cement Mortar Lining (CML), Add	*57.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	999.71	182.12
		For Cement Mortar Lining (CML), Add	*72.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1176	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,173.32	196.09
		For Cement Mortar Lining (CML), Add	*87.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1177	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,426.65	212.44
		For Cement Mortar Lining (CML), Add	*110.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1178	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,681.50	254.93
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1179	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,972.04	283.25
		For Cement Mortar Lining (CML), Add	*154.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1180	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,514.26	326.83
		For Cement Mortar Lining (CML), Add	*201.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*363.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1181	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,217.88	392.18
		For Cement Mortar Lining (CML), Add	*362.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*652.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1182	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	5,913.13	490.22
		For Cement Mortar Lining (CML), Add	*517.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*930.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1183	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	7,553.24	566.51
		For Cement Mortar Lining (CML), Add	*669.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,205.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*502.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1184	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	9,632.40	728.36
		For Cement Mortar Lining (CML), Add	*852.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,535.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*639.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1185	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	11,754.99	849.95
		For Cement Mortar Lining (CML), Add	*1,046.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,884.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*785.03*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1186 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1120)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1187	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	48.48	11.89
33 14 13 13-1188	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	61.80	15.51
33 14 13 13-1189	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	79.72	15.75
33 14 13 13-1190	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	97.46	16.73
33 14 13 13-1191	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.10	18.59
33 14 13 13-1192	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	153.37	20.91
33 14 13 13-1193	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	182.21	23.90
33 14 13 13-1194	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	207.13	25.89
33 14 13 13-1195	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	240.06	31.07
33 14 13 13-1196	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	297.02	32.26
33 14 13 13-1197	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	390.36	35.85
33 14 13 13-1198	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	522.95	38.83
33 14 13 13-1199	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	655.10	42.49
33 14 13 13-1200	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	776.94	47.80
33 14 13 13-1201	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,098.03	51.83

33 14 13 13-1202 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1120)*

33 14 13 13-1203	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	192.40	43.46
33 14 13 13-1204	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	260.19	53.04
33 14 13 13-1205	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	339.91	64.70
33 14 13 13-1206	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	537.16	78.93
33 14 13 13-1207	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	668.37	96.25
33 14 13 13-1208	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,217.75	117.42
33 14 13 13-1209	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,377.74	143.30
33 14 13 13-1210	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,547.37	174.78
33 14 13 13-1211	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,136.78	213.28
33 14 13 13-1212	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,741.05	260.14
33 14 13 13-1213	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	4,909.52	317.44
33 14 13 13-1214	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,051.36	387.22
33 14 13 13-1215	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,122.20	472.46
33 14 13 13-1216	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,023.25	576.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1217		**Ductile Iron Pipe Repair** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1218		**Ductile Iron Pipe Repair** *(33 14 13 13-1217)* Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1219	EA	30" Diameter Mechanical Ductile Iron Push Joint	3,825.80	
33 14 13 13-1220	EA	36" Diameter Mechanical Ductile Iron Push Joint	4,944.23	
33 14 13 13-1221	EA	42" Diameter Mechanical Ductile Iron Push Joint	6,492.25	
33 14 13 13-1222	EA	48" Diameter Mechanical Ductile Iron Push Joint	8,215.68	
33 14 13 13-1223	EA	54" Diameter Mechanical Ductile Iron Push Joint	12,162.04	
33 14 13 13-1224		**WEKO Seals** *(33 14 13 13-1217)* Note: Internal joint seal.		
33 14 13 13-1225	EA	16" WEKO Internal Joint Seal	2,506.26	137.50
		For Extra Wide Seals, Add	*80.42*	
33 14 13 13-1226	EA	18" WEKO Internal Joint Seal	2,672.26	145.19
		For Extra Wide Seals, Add	*81.00*	
33 14 13 13-1227	EA	20" WEKO Internal Joint Seal	2,838.14	152.88
		For Extra Wide Seals, Add	*81.58*	
33 14 13 13-1228	EA	24" WEKO Internal Joint Seal	3,001.48	165.11
		For Extra Wide Seals, Add	*82.51*	
33 14 13 13-1229	EA	30" WEKO Internal Joint Seal	3,086.54	177.34
		For Extra Wide Seals, Add	*83.44*	
33 14 13 13-1230	EA	36" WEKO Internal Joint Seal	3,227.10	192.62
		For Extra Wide Seals, Add	*84.59*	
33 14 13 13-1231	EA	42" WEKO Internal Joint Seal	3,431.02	210.97
		For Extra Wide Seals, Add	*85.98*	
33 14 13 13-1232	EA	48" WEKO Internal Joint Seal	3,708.57	226.26
		For Extra Wide Seals, Add	*87.14*	
33 14 13 13-1233	EA	54" WEKO Internal Joint Seal	3,840.61	238.49
		For Extra Wide Seals, Add	*88.07*	
33 14 13 13-1234	EA	60" WEKO Internal Joint Seal	3,989.73	256.84
		For Extra Wide Seals, Add	*89.46*	
33 14 13 23		**Plastic Public Water Utility Distribution Piping** *(33 14 13)* Note: Includes detectable tracer wire.		
33 14 13 23-0001		**Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping** *(33 14 13 23)*		
33 14 13 23-0002		**Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe** *(33 14 13 23-0001)*		
33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.55	0.50
		For >1,000, Deduct	*-0.08*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.74	0.54
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.12	0.58
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.51	0.64
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.46	0.72
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.25*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.69	0.82
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.40*	
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.78	0.88
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.54*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.58	1.08
		For >1,000, Deduct	*-0.43*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.88*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	16.24	1.37
		For >1,000, Deduct	*-0.81*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.92*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	26.86	2.06
		For >1,000, Deduct	*-1.34*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.26*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	40.65	2.75
		For >1,000, Deduct	*-2.03*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.06*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	56.83	3.71
		For >1,000, Deduct	*-2.84*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*7.13*	
33 14 13 23-0015		**Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0001)*		
33 14 13 23-0016	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	15.24	5.95
33 14 13 23-0017	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	19.39	7.44
33 14 13 23-0018	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	24.57	9.30
33 14 13 23-0019	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	44.38	10.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0020	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	47.35	11.53
33 14 13 23-0021	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	57.09	13.08
33 14 13 23-0022	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	62.52	14.05
33 14 13 23-0023	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	91.63	17.26
33 14 13 23-0024	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	138.37	21.93
33 14 13 23-0025	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	238.97	28.79
33 14 13 23-0026	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	287.03	38.51
33 14 13 23-0027	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	377.41	51.84
33 14 13 23-0028		**Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0001)*		
33 14 13 23-0029	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	15.74	5.95
33 14 13 23-0030	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	19.75	7.44
33 14 13 23-0031	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	24.79	9.30
33 14 13 23-0032	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	37.82	10.29
33 14 13 23-0033	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	47.96	11.53
33 14 13 23-0034	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	59.57	13.08
33 14 13 23-0035	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	61.47	14.05
33 14 13 23-0036	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	89.37	17.26
33 14 13 23-0037	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	133.82	21.93
33 14 13 23-0038	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	230.29	28.79
33 14 13 23-0039	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	251.07	38.51
33 14 13 23-0040	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	327.65	51.84
33 14 13 23-0041		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes** *(33 14 13 23-0001)*		
33 14 13 23-0042	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	22.82	8.93
33 14 13 23-0043	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	28.94	11.22
33 14 13 23-0044	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	36.42	14.02
33 14 13 23-0045	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	58.50	15.50
33 14 13 23-0046	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	67.30	17.24
33 14 13 23-0047	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	79.24	19.66
33 14 13 23-0048	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	96.55	21.03
33 14 13 23-0049	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	130.75	25.93
33 14 13 23-0050	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	239.00	32.95
33 14 13 23-0051	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	371.83	43.19
33 14 13 23-0052	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	431.43	66.11
33 14 13 23-0053	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	527.97	88.96
33 14 13 23-0054		**Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings** *(33 14 13 23-0001)*		
33 14 13 23-0055	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	10.24	3.97
33 14 13 23-0056	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	13.87	5.33
33 14 13 23-0057	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	18.78	7.01
33 14 13 23-0058	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	30.29	7.75
33 14 13 23-0059	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	33.20	8.62
33 14 13 23-0060	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	37.76	9.80
33 14 13 23-0061	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	42.80	10.52
33 14 13 23-0062	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	62.07	12.94
33 14 13 23-0063	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	93.33	16.47
33 14 13 23-0064	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	172.83	21.59
33 14 13 23-0065	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	201.62	33.09
33 14 13 23-0066	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	252.60	44.48
33 14 13 23-0067		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0068		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)*		
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.81	0.50
		For >1,000, Deduct	*-0.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.09*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.23	0.54
		For >1,000, Deduct	*-0.11*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.96	0.64
		For >1,000, Deduct	*-0.15*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.63	0.72
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.95	0.82
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.44*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.95	0.88
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.56*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.12	1.08
		For >1,000, Deduct	*-0.41*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.81*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	12.89	1.37
		For >1,000, Deduct	*-0.64*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0077		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0078	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	15.42	5.95
33 14 13 23-0079	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	19.49	7.44
33 14 13 23-0080	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.24	10.29
33 14 13 23-0081	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	31.07	11.53
33 14 13 23-0082	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	38.81	13.08
33 14 13 23-0083	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	42.51	14.05
33 14 13 23-0084	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	58.14	17.26
33 14 13 23-0085	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	102.51	21.93
33 14 13 23-0086		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0087	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	15.38	5.95
33 14 13 23-0088	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	19.45	7.44
33 14 13 23-0089	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	27.26	10.29
33 14 13 23-0090	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	30.90	11.53
33 14 13 23-0091	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	38.34	13.08
33 14 13 23-0092	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	41.96	14.05
33 14 13 23-0093	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	57.03	17.26
33 14 13 23-0094	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	98.99	21.93
33 14 13 23-0095		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0067)*		
33 14 13 23-0096	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	23.01	8.93
33 14 13 23-0097	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	29.08	11.22
33 14 13 23-0098	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	40.65	15.50
33 14 13 23-0099	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	46.00	17.24
33 14 13 23-0100	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	58.48	19.66
33 14 13 23-0101	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	66.00	21.03
33 14 13 23-0102	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	82.70	25.93
33 14 13 23-0103	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	157.17	32.95
33 14 13 23-0104		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	10.33	3.97
33 14 13 23-0106	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	13.94	5.33
33 14 13 23-0107	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	20.21	7.75
33 14 13 23-0108	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	22.98	8.62
33 14 13 23-0109	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	27.62	9.80
33 14 13 23-0110	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	31.04	10.52
33 14 13 23-0111	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	38.65	12.94
33 14 13 23-0112	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	62.88	16.47
33 14 13 23-0113		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	30.87	11.91
33 14 13 23-0115	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	38.72	14.95
33 14 13 23-0116	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	54.17	20.65
33 14 13 23-0117	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	61.32	23.01
33 14 13 23-0118	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	77.92	26.18
33 14 13 23-0119	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	87.92	28.06
33 14 13 23-0120	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	110.16	34.53
33 14 13 23-0121	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	209.12	43.92
33 14 13 23-0122		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0123		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.50	0.54
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.18*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.51	0.64
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.29*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.56	0.72
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.16	0.82
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.65	0.88
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.82*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.71	1.08
		For >1,000, Deduct	*-0.54*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.20*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	18.66	1.37
		For >1,000, Deduct	*-0.93*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.28*	
33 14 13 23-0131		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	20.93	7.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0133	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.24	10.29
33 14 13 23-0134	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	32.51	11.53
33 14 13 23-0135	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	41.86	13.08
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	45.34	14.05
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	58.82	17.26
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.29	21.93
33 14 13 23-0139		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	26.81	7.44
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	32.91	10.29
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	37.96	11.53
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.07	13.08
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	58.64	14.05
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	85.56	17.26
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	97.49	21.93
33 14 13 23-0147		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	32.09	11.22
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	49.79	15.50
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	56.90	17.24
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	64.25	19.66
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	71.52	21.03
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	86.68	25.93
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	157.03	32.95
33 14 13 23-0155		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	16.09	5.33
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	23.90	7.75
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.46	8.62
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	36.54	9.80
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.04	10.52
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	49.59	12.94
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	78.16	16.47
33 14 13 23-0163		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	42.72	14.95
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	66.30	20.65
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	75.79	23.01
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	85.58	26.18
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	95.25	28.06
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	115.45	34.53
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	208.93	43.92
33 14 13 23-0171		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0172		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0173	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	54.91	1.91
33 14 13 23-0174	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	79.55	2.06
33 14 13 23-0175	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	108.25	2.38
33 14 13 23-0176	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	147.85	3.05
33 14 13 23-0177	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	168.72	3.72
33 14 13 23-0178		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0171)*		
33 14 13 23-0179	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	688.62	27.71
33 14 13 23-0180	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,472.98	46.45
33 14 13 23-0181	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,624.68	50.70
33 14 13 23-0182	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,351.27	54.86
33 14 13 23-0183	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,630.87	59.02
33 14 13 23-0184		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0171)*		
33 14 13 23-0185	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	988.94	27.71
33 14 13 23-0186	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,170.01	46.45
33 14 13 23-0187	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,606.49	50.70
33 14 13 23-0188	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,232.57	54.86
33 14 13 23-0189	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,665.55	59.02
33 14 13 23-0190		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0171)*		
33 14 13 23-0191	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,354.85	44.33
33 14 13 23-0192	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,995.73	66.25
33 14 13 23-0193	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,674.31	70.65
33 14 13 23-0194	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,712.26	74.81
33 14 13 23-0195	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,519.15	78.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0196		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0171)*		
33 14 13 23-0197	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,334.61	42.11
33 14 13 23-0198	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,425.75	59.79
33 14 13 23-0199	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,637.71	62.94
33 14 13 23-0200	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,880.22	60.58
33 14 13 23-0201	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,094.78	63.76
33 14 13 23-0202	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,401.44	67.12
33 14 13 23-0203	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,813.45	60.94
33 14 13 23-0204	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,189.09	64.14
33 14 13 23-0205	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,669.24	67.51
33 14 13 23-0206	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,224.73	71.07
33 14 13 23-0207	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,873.21	61.10
33 14 13 23-0208	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,555.42	64.32
33 14 13 23-0209	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,090.94	67.70
33 14 13 23-0210	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,919.99	71.26
33 14 13 23-0211	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,788.80	75.01
33 14 13 23-0212		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0171)*		
33 14 13 23-0213	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,369.24	44.33
33 14 13 23-0214	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,327.44	66.25
33 14 13 23-0215	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,187.74	70.65
33 14 13 23-0216	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,655.84	74.81
33 14 13 23-0217	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,328.69	78.96
33 14 13 23-0218		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0171)*		
33 14 13 23-0219	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,185.00	42.11
33 14 13 23-0220	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,647.49	59.79
33 14 13 23-0221	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,921.38	62.94
33 14 13 23-0222	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,237.33	60.58
33 14 13 23-0223	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,361.08	63.76
33 14 13 23-0224	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,878.47	67.12
33 14 13 23-0225	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,081.92	60.94
33 14 13 23-0226	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,492.90	64.14
33 14 13 23-0227	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,673.95	71.07
33 14 13 23-0228	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,099.14	61.10
33 14 13 23-0229	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,065.45	64.32
33 14 13 23-0230	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,929.10	67.70
33 14 13 23-0231	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,594.07	71.26
33 14 13 23-0232	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,774.51	75.01
33 14 13 23-0233		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0234	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	619.86	27.71
33 14 13 23-0235	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	822.15	46.45
33 14 13 23-0236	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,167.17	50.70
33 14 13 23-0237	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,414.14	54.86
33 14 13 23-0238	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,644.03	59.02
33 14 13 23-0239		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0240	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	867.04	26.31
33 14 13 23-0241	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	625.64	25.00
33 14 13 23-0242	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	848.20	44.13
33 14 13 23-0243	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,732.64	41.92
33 14 13 23-0244	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,613.52	39.82
33 14 13 23-0245	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,253.14	37.84
33 14 13 23-0246	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	738.21	48.16
33 14 13 23-0247	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,346.30	45.76
33 14 13 23-0248	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,966.83	43.47
33 14 13 23-0249	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,693.64	41.29
33 14 13 23-0250	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,521.55	52.11
33 14 13 23-0251	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,120.10	49.51
33 14 13 23-0252	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,542.40	47.03
33 14 13 23-0253	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,392.18	44.68
33 14 13 23-0254	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,215.20	42.45
33 14 13 23-0255	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,902.45	56.07
33 14 13 23-0256		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0257	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	717.81	47.03
33 14 13 23-0258	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,343.44	44.68
33 14 13 23-0259	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	996.63	44.68
33 14 13 23-0260	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,693.93	42.45
33 14 13 23-0261	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,791.80	40.32
33 14 13 23-0262	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,708.52	38.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0263	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,549.37	42.45
33 14 13 23-0264	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,900.23	40.32
33 14 13 23-0265	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,840.54	38.30
33 14 13 23-0266	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,047.53	36.39
33 14 13 23-0267	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,887.07	40.32
33 14 13 23-0268	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,209.05	38.30
33 14 13 23-0269	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,034.84	36.39
33 14 13 23-0270	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,939.54	34.57
33 14 13 23-0271	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,744.44	32.85
33 14 13 23-0272	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,422.59	53.26
33 14 13 23-0273		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges** *(33 14 13 23-0171)*		
33 14 13 23-0274	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	841.66	27.71
33 14 13 23-0275	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	1,975.55	46.45
33 14 13 23-0276	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,916.86	50.70
33 14 13 23-0277	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,281.12	54.86
33 14 13 23-0278	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,077.54	59.02
33 14 13 23-0279	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0280	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0281	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0282	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0283	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0284	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0285		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0286		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0287	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	7.97	2.21
33 14 13 23-0288	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	12.58	2.68
33 14 13 23-0289	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	18.49	3.01
33 14 13 23-0290	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	25.51	3.34
33 14 13 23-0291	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	34.20	3.75
33 14 13 23-0292		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0293	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	9.24	2.21
33 14 13 23-0294	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	15.22	2.68
33 14 13 23-0295	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	22.94	3.01
33 14 13 23-0296	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	32.42	3.34
33 14 13 23-0297	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	43.85	3.75
33 14 13 23-0298		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0299	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	10.50	2.21
33 14 13 23-0300	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	17.84	2.68
33 14 13 23-0301	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	27.38	3.01
33 14 13 23-0302	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	39.17	3.34
33 14 13 23-0303	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	53.49	3.75
33 14 13 23-0304		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0305	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	54.04	5.62
33 14 13 23-0306	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	66.25	6.69
33 14 13 23-0307	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	90.73	8.03
33 14 13 23-0308	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	135.43	9.37
33 14 13 23-0309	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	191.28	10.70
33 14 13 23-0310	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	246.64	11.37
33 14 13 23-0311	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	316.66	12.24
33 14 13 23-0312		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0313	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	39.86	4.21
33 14 13 23-0314	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	51.10	4.68
33 14 13 23-0315	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	63.70	5.62
33 14 13 23-0316	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	78.79	6.69
33 14 13 23-0317	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	110.07	8.03
33 14 13 23-0318	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	163.17	9.37
33 14 13 23-0319	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	228.43	10.70
33 14 13 23-0320	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	308.42	11.37
33 14 13 23-0321	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	396.82	12.24
33 14 13 23-0322		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0323	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	47.29	4.21
33 14 13 23-0324	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	61.42	4.68
33 14 13 23-0325	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	76.52	5.62
33 14 13 23-0326	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	95.42	6.69
33 14 13 23-0327	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	133.94	8.03
33 14 13 23-0328	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	199.03	9.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0329	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	280.78	10.70
33 14 13 23-0330	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	370.43	11.37
33 14 13 23-0331	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	477.74	12.24
33 14 13 23-0332		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0333	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	60.00	4.21
33 14 13 23-0334	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	76.51	4.68
33 14 13 23-0335	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	95.94	5.62
33 14 13 23-0336	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	118.88	6.69
33 14 13 23-0337	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	167.77	8.03
33 14 13 23-0338	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	252.12	9.37
33 14 13 23-0339	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	362.41	10.70
33 14 13 23-0340	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	490.14	11.37
33 14 13 23-0341	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	638.39	12.24
33 14 13 23-0342		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0343	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	69.54	4.21
33 14 13 23-0344	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	88.93	4.68
33 14 13 23-0345	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	111.61	5.62
33 14 13 23-0346	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	138.38	6.69
33 14 13 23-0347	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	195.84	8.03
33 14 13 23-0348	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	295.30	9.37
33 14 13 23-0349	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	425.48	10.70
33 14 13 23-0350	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.59	11.37
33 14 13 23-0351		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0352	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	78.85	4.21
33 14 13 23-0353	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	101.01	4.68
33 14 13 23-0354	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	126.83	5.62
33 14 13 23-0355	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	157.37	6.69
33 14 13 23-0356	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	223.14	8.03
33 14 13 23-0357	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	337.31	9.37
33 14 13 23-0358	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	486.86	10.70
33 14 13 23-0359		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)* Note: Includes rubber gaskets.		
33 14 13 23-0360		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0359)*		
33 14 13 23-0361	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	206.24	7.44
		For DR 25, Deduct	*-11.48*	
33 14 13 23-0362	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	434.45	8.37
		For DR 25, Deduct	*-25.06*	
33 14 13 23-0363	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	658.40	9.30
		For DR 25, Deduct	*-38.39*	
33 14 13 23-0364	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,005.79	15.45
		For DR 25, Deduct	*-58.49*	
33 14 13 23-0365	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,299.81	25.75
		For DR 25, Deduct	*-74.90*	
33 14 13 23-0366	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,962.46	32.18
		For DR 25, Deduct	*-113.89*	
33 14 13 23-0367	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,341.59	38.62
		For DR 25, Deduct	*-135.86*	
33 14 13 23-0368	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,041.98	51.50
		For DR 25, Deduct	*-236.34*	
33 14 13 23-0369	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,974.24	64.37
		For DR 25, Deduct	*-290.73*	
33 14 13 23-0370	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,289.43	86.90
		For DR 25, Deduct	*-486.94*	
33 14 13 23-0371		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0359)*		
33 14 13 23-0372	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	181.26	7.44
		For DR 25, Deduct	*-9.98*	
33 14 13 23-0373	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	321.13	8.37
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0374	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	409.27	9.30
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0375	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	577.35	15.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0376	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	763.67	25.75
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0377	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,496.09	32.18
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0378	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,899.79	38.62
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0379	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,303.33	51.50
		For DR 25, Deduct	*-192.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0380	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,102.23	64.37
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0381	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,795.41	86.90
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0382 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0383	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	178.22	7.44
		For DR 25, Deduct	*-9.80*	
33 14 13 23-0384	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	321.13	8.37
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0385	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	409.27	9.30
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0386	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	577.36	15.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0387	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	763.68	25.75
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0388	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,493.51	30.90
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0389	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,899.78	38.62
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0390	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,303.33	51.50
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0391	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,102.23	64.37
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0392	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,795.41	86.90
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0393 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0394	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	155.84	7.44
		For DR 25, Deduct	*-8.46*	
33 14 13 23-0395	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	321.13	8.37
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0396	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	409.27	9.30
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0397	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	577.36	15.45
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0398	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	763.68	25.75
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0399	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,493.51	30.90
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0400	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,899.78	38.62
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0401	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,303.33	51.50
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0402	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,102.23	64.37
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0403	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,795.41	86.90
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0404 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0359)*

33 14 13 23-0405	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	245.95	8.37
		For DR 25, Deduct	*-13.75*	
33 14 13 23-0406	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	487.18	9.30
		For DR 25, Deduct	*-28.11*	
33 14 13 23-0407	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	684.17	10.54
		For DR 25, Deduct	*-39.79*	
33 14 13 23-0408	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,418.12	19.31
		For DR 25, Deduct	*-82.77*	
33 14 13 23-0409	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,706.70	38.62
		For DR 25, Deduct	*-97.77*	
33 14 13 23-0410	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,116.88	48.27
		For DR 25, Deduct	*-181.22*	
33 14 13 23-0411	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,863.53	57.93
		For DR 25, Deduct	*-224.86*	
33 14 13 23-0412	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	4,868.21	77.25
		For DR 25, Deduct	*-282.82*	
33 14 13 23-0413	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	5,840.01	96.56
		For DR 25, Deduct	*-338.81*	
33 14 13 23-0414	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,119.78	65.66
		For DR 25, Deduct	*-479.31*	

33 14 13 23-0415 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes *(33 14 13 23-0359)*

33 14 13 23-0416	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	480.10	12.09
		For DR 25, Deduct	*-27.35*	
33 14 13 23-0417	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	659.11	13.02
		For DR 25, Deduct	*-37.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0418	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	675.37	13.49
		For DR 25, Deduct	*-38.90*	
33 14 13 23-0419	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	876.34	19.31
		For DR 25, Deduct	*-50.26*	
33 14 13 23-0420	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,197.10	19.79
		For DR 25, Deduct	*-69.45*	
33 14 13 23-0421	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,282.07	20.28
		For DR 25, Deduct	*-74.49*	
33 14 13 23-0422	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,346.16	29.61
		For DR 25, Deduct	*-77.22*	
33 14 13 23-0423	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,551.54	30.09
		For DR 25, Deduct	*-89.48*	
33 14 13 23-0424	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,648.18	30.57
		For DR 25, Deduct	*-95.22*	
33 14 13 23-0425	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,675.50	33.48
		For DR 25, Deduct	*-96.51*	
33 14 13 23-0426	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,570.43	34.76
		For DR 25, Deduct	*-150.05*	
33 14 13 23-0427	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,675.28	35.25
		For DR 25, Deduct	*-156.29*	
33 14 13 23-0428	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,780.41	35.72
		For DR 25, Deduct	*-162.54*	
33 14 13 23-0429	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,889.77	38.62
		For DR 25, Deduct	*-168.75*	
33 14 13 23-0430	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,004.01	43.77
		For DR 25, Deduct	*-174.99*	
33 14 13 23-0431	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,209.24	42.49
		For DR 25, Deduct	*-187.46*	
33 14 13 23-0432	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,313.11	42.49
		For DR 25, Deduct	*-193.69*	
33 14 13 23-0433	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,417.99	42.96
		For DR 25, Deduct	*-199.92*	
33 14 13 23-0434	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,522.86	43.45
		For DR 25, Deduct	*-206.16*	
33 14 13 23-0435	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,642.81	51.50
		For DR 25, Deduct	*-212.39*	
33 14 13 23-0436	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,751.87	54.07
		For DR 25, Deduct	*-218.62*	
33 14 13 23-0437	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,961.50	55.36
		For DR 25, Deduct	*-231.05*	
33 14 13 23-0438	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,067.10	55.84
		For DR 25, Deduct	*-237.32*	
33 14 13 23-0439	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,171.96	56.32
		For DR 25, Deduct	*-243.56*	
33 14 13 23-0440	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,281.64	59.22
		For DR 25, Deduct	*-249.79*	
33 14 13 23-0441	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,395.79	64.37
		For DR 25, Deduct	*-256.02*	
33 14 13 23-0442	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,504.13	66.94
		For DR 25, Deduct	*-262.21*	
33 14 13 23-0443	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,640.86	70.81
		For DR 25, Deduct	*-269.96*	
33 14 13 23-0444	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,027.59	68.23
		For DR 25, Deduct	*-293.47*	
33 14 13 23-0445	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,205.97	68.71
		For DR 25, Deduct	*-304.11*	
33 14 13 23-0446	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,275.71	69.20
		For DR 25, Deduct	*-308.24*	
33 14 13 23-0447	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,350.37	72.09
		For DR 25, Deduct	*-312.37*	
33 14 13 23-0448	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,429.47	77.25
		For DR 25, Deduct	*-316.50*	
33 14 13 23-0449	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,546.16	79.82
		For DR 25, Deduct	*-323.19*	
33 14 13 23-0450	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,665.45	83.68
		For DR 25, Deduct	*-329.89*	
33 14 13 23-0451	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,752.73	90.11
		For DR 25, Deduct	*-334.35*	
33 14 13 23-0452	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,902.80	90.76
		For DR 25, Deduct	*-343.28*	
33 14 13 23-0453	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,978.21	91.25
		For DR 25, Deduct	*-347.74*	
33 14 13 23-0454	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,053.59	91.73
		For DR 25, Deduct	*-352.21*	
33 14 13 23-0455	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,362.00	94.62
		For DR 25, Deduct	*-370.37*	
33 14 13 23-0456	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,674.88	99.77
		For DR 25, Deduct	*-388.52*	
33 14 13 23-0457	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,982.65	102.35
		For DR 25, Deduct	*-406.68*	
33 14 13 23-0458	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,293.01	106.21
		For DR 25, Deduct	*-424.84*	
33 14 13 23-0459	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,608.50	112.65
		For DR 25, Deduct	*-442.99*	
33 14 13 23-0460	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,923.99	119.09
		For DR 25, Deduct	*-461.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0461		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0359)*		
33 14 13 23-0462	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	335.40	14.88
		For DR 25, Deduct	*-18.34*	
33 14 13 23-0463	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	620.04	16.74
		For DR 25, Deduct	*-35.19*	
33 14 13 23-0464	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	866.48	18.60
		For DR 25, Deduct	*-49.76*	
33 14 13 23-0465	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,785.45	30.90
		For DR 25, Deduct	*-103.42*	
33 14 13 23-0466	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,114.45	38.62
		For DR 25, Deduct	*-122.23*	
33 14 13 23-0467	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,878.59	51.50
		For DR 25, Deduct	*-226.54*	
33 14 13 23-0468	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,812.64	64.37
		For DR 25, Deduct	*-281.04*	
33 14 13 23-0469	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,099.03	102.99
		For DR 25, Deduct	*-353.58*	
33 14 13 23-0470	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,316.21	128.74
		For DR 25, Deduct	*-423.52*	
33 14 13 23-0471	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,332.57	173.79
		For DR 25, Deduct	*-599.10*	
33 14 13 23-0472		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0359)*		
33 14 13 23-0473	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	601.98	15.81
		For DR 25, Deduct	*-34.22*	
33 14 13 23-0474	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	825.79	16.74
		For DR 25, Deduct	*-47.54*	
33 14 13 23-0475	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	846.01	17.67
		For DR 25, Deduct	*-48.64*	
33 14 13 23-0476	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,278.45	23.17
		For DR 25, Deduct	*-73.93*	
33 14 13 23-0477	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,495.34	24.14
		For DR 25, Deduct	*-86.82*	
33 14 13 23-0478	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,644.96	25.10
		For DR 25, Deduct	*-95.69*	
33 14 13 23-0479	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,676.15	33.48
		For DR 25, Deduct	*-96.55*	
33 14 13 23-0480	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,932.98	34.44
		For DR 25, Deduct	*-111.85*	
33 14 13 23-0481	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,054.54	35.41
		For DR 25, Deduct	*-119.02*	
33 14 13 23-0482	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,092.93	41.19
		For DR 25, Deduct	*-120.63*	
33 14 13 23-0483	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,203.37	38.62
		For DR 25, Deduct	*-187.57*	
33 14 13 23-0484	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,334.77	39.59
		For DR 25, Deduct	*-195.34*	
33 14 13 23-0485	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,467.61	40.56
		For DR 25, Deduct	*-203.19*	
33 14 13 23-0486	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,609.57	46.35
		For DR 25, Deduct	*-211.01*	
33 14 13 23-0487	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,759.54	56.65
		For DR 25, Deduct	*-218.78*	
33 14 13 23-0488	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,997.40	46.35
		For DR 25, Deduct	*-234.28*	
33 14 13 23-0489	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,130.57	47.31
		For DR 25, Deduct	*-242.16*	
33 14 13 23-0490	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,262.30	48.27
		For DR 25, Deduct	*-249.94*	
33 14 13 23-0491	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,404.14	54.07
		For DR 25, Deduct	*-257.76*	
33 14 13 23-0492	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,461.62	64.37
		For DR 25, Deduct	*-259.97*	
33 14 13 23-0493	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,694.08	69.52
		For DR 25, Deduct	*-273.30*	
33 14 13 23-0494	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,932.57	59.22
		For DR 25, Deduct	*-288.85*	
33 14 13 23-0495	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,065.42	60.19
		For DR 25, Deduct	*-296.70*	
33 14 13 23-0496	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,197.35	61.15
		For DR 25, Deduct	*-304.50*	
33 14 13 23-0497	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,337.23	66.94
		For DR 25, Deduct	*-312.20*	
33 14 13 23-0498	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,488.76	77.25
		For DR 25, Deduct	*-320.06*	
33 14 13 23-0499	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,628.44	82.40
		For DR 25, Deduct	*-327.82*	
33 14 13 23-0500	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,804.92	90.11
		For DR 25, Deduct	*-337.48*	
33 14 13 23-0501	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,258.72	72.09
		For DR 25, Deduct	*-366.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0502	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,482.03	73.06
		For DR 25, Deduct	*-380.15*	
33 14 13 23-0503	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,570.59	74.02
		For DR 25, Deduct	*-385.35*	
33 14 13 23-0504	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,667.86	79.82
		For DR 25, Deduct	*-390.49*	
33 14 13 23-0505	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,774.16	90.11
		For DR 25, Deduct	*-395.64*	
33 14 13 23-0506	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,922.91	95.27
		For DR 25, Deduct	*-403.94*	
33 14 13 23-0507	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,079.61	102.99
		For DR 25, Deduct	*-412.42*	
33 14 13 23-0508	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,198.10	115.86
		For DR 25, Deduct	*-417.98*	
33 14 13 23-0509	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,299.56	94.62
		For DR 25, Deduct	*-426.62*	
33 14 13 23-0510	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,436.28	95.59
		For DR 25, Deduct	*-434.71*	
33 14 13 23-0511	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,531.61	96.56
		For DR 25, Deduct	*-440.31*	
33 14 13 23-0512	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,921.02	102.35
		For DR 25, Deduct	*-462.98*	
33 14 13 23-0513	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,319.59	112.65
		For DR 25, Deduct	*-485.66*	
33 14 13 23-0514	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,707.78	117.79
		For DR 25, Deduct	*-508.33*	
33 14 13 23-0515	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,102.75	125.52
		For DR 25, Deduct	*-531.10*	
33 14 13 23-0516	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,505.58	138.40
		For DR 25, Deduct	*-553.73*	
33 14 13 23-0517	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,910.03	151.27
		For DR 25, Deduct	*-576.45*	

33 14 13 23-0518 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0359)*

33 14 13 23-0519	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	117.94	7.44
		For DR 25, Deduct	*-6.18*	
33 14 13 23-0520	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	229.47	8.37
		For DR 25, Deduct	*-12.76*	
33 14 13 23-0521	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	277.56	9.30
		For DR 25, Deduct	*-15.54*	
33 14 13 23-0522	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	393.12	15.45
		For DR 25, Deduct	*-21.73*	
33 14 13 23-0523	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	633.79	19.31
		For DR 25, Deduct	*-35.71*	
33 14 13 23-0524	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,112.07	25.75
		For DR 25, Deduct	*-63.63*	
33 14 13 23-0525	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,314.67	32.18
		For DR 25, Deduct	*-75.02*	
33 14 13 23-0526	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,188.38	51.50
		For DR 25, Deduct	*-185.12*	
33 14 13 23-0527	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,563.74	64.37
		For DR 25, Deduct	*-206.10*	
33 14 13 23-0528	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,023.81	86.90
		For DR 25, Deduct	*-291.00*	

33 14 13 23-0529 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0359)*

33 14 13 23-0530	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	149.32	7.44
		For DR 25, Deduct	*-8.07*	
33 14 13 23-0531	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	205.91	8.37
		For DR 25, Deduct	*-11.35*	
33 14 13 23-0532	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	304.37	9.30
		For DR 25, Deduct	*-17.15*	
33 14 13 23-0533	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	414.05	15.45
		For DR 25, Deduct	*-22.99*	
33 14 13 23-0534	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	661.93	25.75
		For DR 25, Deduct	*-36.63*	
33 14 13 23-0535	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,817.15	30.90
		For DR 25, Deduct	*-105.32*	
33 14 13 23-0536	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,464.94	38.62
		For DR 25, Deduct	*-143.26*	
33 14 13 23-0537	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,030.87	51.50
		For DR 25, Deduct	*-175.67*	
33 14 13 23-0538	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,616.49	64.37
		For DR 25, Deduct	*-209.27*	
33 14 13 23-0539	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	4,913.75	86.90
		For DR 25, Deduct	*-284.40*	

33 14 13 23-0540 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0541 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0540)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	5.33	1.74
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.40*	
		For SDR 15.5, Add	*0.59*	
		For SDR 13.5, Add	*0.92*	
		For SDR 11, Add	*1.49*	
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.63	2.21
		For SDR 26, Deduct	*-0.77*	
		For SDR 19, Add	*0.38*	
		For SDR 17, Add	*0.94*	
		For SDR 15.5, Add	*1.37*	
		For SDR 13.5, Add	*2.14*	
		For SDR 11, Add	*3.44*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	14.42	2.68
		For SDR 26, Deduct	*-1.66*	
		For SDR 19, Add	*0.82*	
		For SDR 17, Add	*2.02*	
		For SDR 15.5, Add	*2.95*	
		For SDR 13.5, Add	*4.61*	
		For SDR 11, Add	*7.41*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.43	3.01
		For SDR 26, Deduct	*-2.82*	
		For SDR 19, Add	*1.39*	
		For SDR 17, Add	*3.42*	
		For SDR 15.5, Add	*5.01*	
		For SDR 13.5, Add	*7.83*	
		For SDR 11, Add	*12.60*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.64	3.34
		For SDR 26, Deduct	*-4.39*	
		For SDR 19, Add	*2.16*	
		For SDR 17, Add	*5.32*	
		For SDR 15.5, Add	*7.79*	
		For SDR 13.5, Add	*12.16*	
		For SDR 11, Add	*19.58*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	41.96	3.75
		For SDR 26, Deduct	*-6.33*	
		For SDR 19, Add	*3.11*	
		For SDR 17, Add	*7.67*	
		For SDR 15.5, Add	*11.24*	
		For SDR 13.5, Add	*17.54*	
		For SDR 11, Add	*28.23*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	48.95	4.21
		For SDR 26, Deduct	*-7.44*	
		For SDR 19, Add	*3.65*	
		For SDR 17, Add	*9.02*	
		For SDR 15.5, Add	*13.21*	
		For SDR 13.5, Add	*20.62*	
		For SDR 11, Add	*33.18*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	62.40	4.68
		For SDR 26, Deduct	*-9.72*	
		For SDR 19, Add	*4.77*	
		For SDR 17, Add	*11.78*	
		For SDR 15.5, Add	*17.26*	
		For SDR 13.5, Add	*26.93*	
		For SDR 11, Add	*43.35*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	78.29	5.62
		For SDR 26, Deduct	*-12.28*	
		For SDR 19, Add	*6.03*	
		For SDR 17, Add	*14.89*	
		For SDR 15.5, Add	*21.81*	
		For SDR 13.5, Add	*34.04*	
		For SDR 11, Add	*54.79*	
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	72.09	6.69
		For SDR 26, Deduct	*-10.76*	
		For SDR 19, Add	*5.28*	
		For SDR 17, Add	*13.05*	
		For SDR 15.5, Add	*19.10*	
		For SDR 13.5, Add	*29.82*	
		For SDR 11, Add	*48.00*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	135.33	8.03
		For SDR 26, Deduct	*-21.86*	
		For SDR 19, Add	*10.73*	
		For SDR 17, Add	*26.50*	
		For SDR 15.5, Add	*38.81*	
		For SDR 13.5, Add	*60.57*	
		For SDR 11, Add	*97.50*	

33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*

33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	42.14	9.30
		For SDR 26, Deduct	*-2.61*	
		For SDR 19, Add	*1.28*	
		For SDR 17, Add	*3.16*	
		For SDR 15.5, Add	*4.63*	
		For SDR 13.5, Add	*7.22*	
		For SDR 11, Add	*11.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	47.96	10.35
		For SDR 26, Deduct	*-3.11*	
		For SDR 19, Add	*1.52*	
		For SDR 17, Add	*3.76*	
		For SDR 15.5, Add	*5.51*	
		For SDR 13.5, Add	*8.60*	
		For SDR 11, Add	*13.85*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	80.47	11.81
		For SDR 26, Deduct	*-8.26*	
		For SDR 19, Add	*4.05*	
		For SDR 17, Add	*10.01*	
		For SDR 15.5, Add	*14.66*	
		For SDR 13.5, Add	*22.88*	
		For SDR 11, Add	*36.83*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	135.53	13.80
		For SDR 26, Deduct	*-17.26*	
		For SDR 19, Add	*8.48*	
		For SDR 17, Add	*20.92*	
		For SDR 15.5, Add	*30.64*	
		For SDR 13.5, Add	*47.83*	
		For SDR 11, Add	*76.98*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	212.32	18.42
		For SDR 26, Deduct	*-28.81*	
		For SDR 19, Add	*14.15*	
		For SDR 17, Add	*34.93*	
		For SDR 15.5, Add	*51.15*	
		For SDR 13.5, Add	*79.83*	
		For SDR 11, Add	*128.49*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	312.84	27.57
		For SDR 26, Deduct	*-42.19*	
		For SDR 19, Add	*20.72*	
		For SDR 17, Add	*51.14*	
		For SDR 15.5, Add	*74.90*	
		For SDR 13.5, Add	*116.90*	
		For SDR 11, Add	*188.16*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	384.70	36.79
		For SDR 26, Deduct	*-50.29*	
		For SDR 19, Add	*24.69*	
		For SDR 17, Add	*60.97*	
		For SDR 15.5, Add	*89.28*	
		For SDR 13.5, Add	*139.36*	
		For SDR 11, Add	*224.31*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	493.94	55.14
		For SDR 26, Deduct	*-60.23*	
		For SDR 19, Add	*29.57*	
		For SDR 17, Add	*73.01*	
		For SDR 15.5, Add	*106.92*	
		For SDR 13.5, Add	*166.89*	
		For SDR 11, Add	*268.61*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	633.23	62.02
		For SDR 26, Deduct	*-81.96*	
		For SDR 19, Add	*40.24*	
		For SDR 17, Add	*99.35*	
		For SDR 15.5, Add	*145.50*	
		For SDR 13.5, Add	*227.10*	
		For SDR 11, Add	*365.54*	
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	885.76	70.39
		For SDR 26, Deduct	*-123.25*	
		For SDR 19, Add	*60.52*	
		For SDR 17, Add	*149.41*	
		For SDR 15.5, Add	*218.80*	
		For SDR 13.5, Add	*341.52*	
		For SDR 11, Add	*549.70*	
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,145.77	82.75
		For SDR 26, Deduct	*-164.54*	
		For SDR 19, Add	*80.79*	
		For SDR 17, Add	*199.46*	
		For SDR 15.5, Add	*292.10*	
		For SDR 13.5, Add	*455.93*	
		For SDR 11, Add	*733.85*	

33 14 13 23-0565 Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*

33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	47.75	9.74
		For SDR 26, Deduct	*-3.41*	
		For SDR 19, Add	*1.67*	
		For SDR 17, Add	*4.13*	
		For SDR 15.5, Add	*6.05*	
		For SDR 13.5, Add	*9.44*	
		For SDR 11, Add	*15.20*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	54.94	11.03
		For SDR 26, Deduct	*-4.01*	
		For SDR 19, Add	*1.97*	
		For SDR 17, Add	*4.86*	
		For SDR 15.5, Add	*7.12*	
		For SDR 13.5, Add	*11.11*	
		For SDR 11, Add	*17.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	95.35	12.72
		For SDR 26, Deduct	*-10.48*	
		For SDR 19, Add	*5.15*	
		For SDR 17, Add	*12.71*	
		For SDR 15.5, Add	*18.61*	
		For SDR 13.5, Add	*29.05*	
		For SDR 11, Add	*46.76*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	190.21	15.04
		For SDR 26, Deduct	*-26.60*	
		For SDR 19, Add	*13.06*	
		For SDR 17, Add	*32.25*	
		For SDR 15.5, Add	*47.22*	
		For SDR 13.5, Add	*73.71*	
		For SDR 11, Add	*118.64*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	257.37	22.08
		For SDR 26, Deduct	*-35.05*	
		For SDR 19, Add	*17.21*	
		For SDR 17, Add	*42.48*	
		For SDR 15.5, Add	*62.21*	
		For SDR 13.5, Add	*97.11*	
		For SDR 11, Add	*156.30*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	360.32	33.13
		For SDR 26, Deduct	*-47.85*	
		For SDR 19, Add	*23.50*	
		For SDR 17, Add	*58.01*	
		For SDR 15.5, Add	*84.95*	
		For SDR 13.5, Add	*132.59*	
		For SDR 11, Add	*213.42*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	431.19	41.37
		For SDR 26, Deduct	*-56.30*	
		For SDR 19, Add	*27.64*	
		For SDR 17, Add	*68.24*	
		For SDR 15.5, Add	*99.94*	
		For SDR 13.5, Add	*155.99*	
		For SDR 11, Add	*251.08*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	550.88	62.02
		For SDR 26, Deduct	*-66.85*	
		For SDR 19, Add	*32.82*	
		For SDR 17, Add	*81.04*	
		For SDR 15.5, Add	*118.68*	
		For SDR 13.5, Add	*185.24*	
		For SDR 11, Add	*298.16*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	723.50	72.27
		For SDR 26, Deduct	*-92.89*	
		For SDR 19, Add	*45.61*	
		For SDR 17, Add	*112.60*	
		For SDR 15.5, Add	*164.90*	
		For SDR 13.5, Add	*257.38*	
		For SDR 11, Add	*414.28*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,040.17	85.35
		For SDR 26, Deduct	*-143.20*	
		For SDR 19, Add	*70.31*	
		For SDR 17, Add	*173.60*	
		For SDR 15.5, Add	*254.22*	
		For SDR 13.5, Add	*396.80*	
		For SDR 11, Add	*638.68*	
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,365.89	103.46
		For SDR 26, Deduct	*-193.52*	
		For SDR 19, Add	*95.02*	
		For SDR 17, Add	*234.59*	
		For SDR 15.5, Add	*343.54*	
		For SDR 13.5, Add	*536.22*	
		For SDR 11, Add	*863.08*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated, Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	106.58	16.87
		For <100, Add	*9.16*	
		For >1,000, Deduct	*-5.33*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.38	16.87
		For <100, Add	*10.45*	
		For >1,000, Deduct	*-6.62*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	129.35	18.40
		For <100, Add	*10.65*	
		For >1,000, Deduct	*-6.47*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	161.96	18.40
		For <100, Add	*12.28*	
		For >1,000, Deduct	*-8.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	161.10	19.28
		For <100, Add	*12.44*	
		For >1,000, Deduct	*-8.06*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.47	19.28
		For <100, Add	*13.71*	
		For >1,000, Deduct	*-9.32*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	198.27	21.31
		For <100, Add	*14.76*	
		For >1,000, Deduct	*-9.91*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	218.54	21.31
		For <100, Add	*15.77*	
		For >1,000, Deduct	*-10.93*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	210.63	22.50
		For <100, Add	*15.65*	
		For >1,000, Deduct	*-10.53*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	226.28	22.50
		For <100, Add	*16.43*	
		For >1,000, Deduct	*-11.31*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	264.89	25.31
		For <100, Add	*19.00*	
		For >1,000, Deduct	*-13.24*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	290.54	25.31
		For <100, Add	*20.28*	
		For >1,000, Deduct	*-14.53*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	231.89	37.06
		For <100, Add	*17.42*	
		For >1,000, Deduct	*-11.59*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	277.72	40.77
		For <100, Add	*20.32*	
		For >1,000, Deduct	*-13.89*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	310.38	42.62
		For <100, Add	*22.31*	
		For >1,000, Deduct	*-15.52*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	350.26	48.18
		For <100, Add	*25.16*	
		For >1,000, Deduct	*-17.51*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	367.65	48.18
		For <100, Add	*26.03*	
		For >1,000, Deduct	*-18.38*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	383.74	48.18
		For <100, Add	*26.83*	
		For >1,000, Deduct	*-19.19*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	402.29	48.18
		For <100, Add	*27.76*	
		For >1,000, Deduct	*-20.11*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	466.97	55.59
		For <100, Add	*32.08*	
		For >1,000, Deduct	*-23.35*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	524.36	55.59
		For <100, Add	*34.95*	
		For >1,000, Deduct	*-26.22*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	665.24	55.59
		For <100, Add	*42.00*	
		For >1,000, Deduct	*-33.26*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	583.93	64.86
		For <100, Add	*39.39*	
		For >1,000, Deduct	*-29.20*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	607.41	64.86
		For <100, Add	*40.56*	
		For >1,000, Deduct	*-30.37*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	828.88	64.86
		For <100, Add	*51.64*	
		For >1,000, Deduct	*-41.44*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	705.68	64.86
		For <100, Add	*45.48*	
		For >1,000, Deduct	*-35.28*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	825.93	77.82
		For <100, Add	*53.53*	
		For >1,000, Deduct	*-41.30*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	997.69	77.82
		For <100, Add	*62.11*	
		For >1,000, Deduct	*-49.88*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	954.79	77.82
		For <100, Add	*59.97*	
		For >1,000, Deduct	*-47.74*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,489.26	87.09
		For <100, Add	*88.05*	
		For >1,000, Deduct	*-74.46*	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	876.75	87.09
		For <100, Add	*57.43*	
		For >1,000, Deduct	*-43.84*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,709.29	98.22
		For <100, Add	*100.75*	
		For >1,000, Deduct	*-85.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	959.96	98.22
		For <100, Add	*63.29*	
		For >1,000, Deduct	*-48.00*	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,783.27	111.19
		For <100, Add	*106.64*	
		For >1,000, Deduct	*-89.16*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,978.94	111.19
		For <100, Add	*116.42*	
		For >1,000, Deduct	*-98.95*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,208.51	129.71
		For <100, Add	*130.81*	
		For >1,000, Deduct	*-110.43*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,512.81	129.71
		For <100, Add	*96.02*	
		For >1,000, Deduct	*-75.64*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,631.33	108.36
		For <100, Add	*114.08*	
		For >1,000, Deduct	*-81.57*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	3,202.46	108.36
		For <100, Add	*192.63*	
		For >1,000, Deduct	*-160.12*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	138.87	18.05
		For 7" Length, Add	*10.41*	
33 14 13 36-0046	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	178.18	34.73
		For 7" Length, Add	*10.87*	
33 14 13 36-0047	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	236.86	45.83
		For 7" Length, Add	*14.43*	
33 14 13 36-0048	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	390.35	69.45
		For 7" Length, Add	*25.15*	
33 14 13 36-0049	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	522.78	87.51
		For 7" Length, Add	*34.92*	
33 14 13 36-0050	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	737.09	96.56
		For 7" Length, Add	*54.40*	
33 14 13 36-0051	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	855.51	121.02
		For 7" Length, Add	*61.41*	
33 14 13 36-0052	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	924.89	121.02
		For 10" Length, Add	*40.04*	
33 14 13 36-0053	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	971.16	138.40
		For 10" Length, Add	*41.72*	
33 14 13 36-0054	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,074.09	148.07
		For 10" Length, Add	*46.68*	
33 14 13 36-0055	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,173.34	167.38
		For 10" Length, Add	*51.09*	
33 14 13 36-0056	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,563.88	177.03
		For 10" Length, Add	*72.59*	
33 14 13 36-0057	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,936.05	193.13
		For 10" Length, Add	*92.99*	
33 14 13 36-0058	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,299.80	217.27
		For 10" Length, Add	*111.92*	
33 14 13 36-0059	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,684.99	244.63
		For 10" Length, Add	*132.13*	
33 14 13 36-0060	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,120.74	281.65
		For 10" Length, Add	*153.45*	
33 14 13 36-0061	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,430.93	321.88
		For 10" Length, Add	*167.23*	
33 14 13 36-0062	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,849.14	402.35
		For 10" Length, Add	*182.67*	
33 14 13 36-0063	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,374.56	489.26
		For 12" Length, Add	*170.45*	
33 14 13 36-0064	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,201.69	579.39
		For 12" Length, Add	*202.15*	

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	6.59	1.21
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	8.99	1.36
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	12.18	1.52
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	15.66	1.82
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	19.66	2.43
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	30.19	3.03
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	37.20	3.64
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	47.95	4.00
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	64.04	5.04
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	85.24	6.38
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	143.26	7.95
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	186.68	9.59
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	335.96	10.74

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	7.22	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	11.19	1.36
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	14.36	1.52
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	17.02	1.82
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	21.67	2.43
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	32.89	3.03
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	44.67	3.64
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	59.15	4.00
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	77.21	5.04
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	105.22	6.38
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	184.61	7.95
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	261.03	9.59
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	473.18	10.74
33 14 13 39-0029		Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15405		
33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	29.11	
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	42.21	
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	108.94	
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	138.80	
33 14 13 39-0034		Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15450		
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	35.76	
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	29.27	
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	40.83	
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	61.67	
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	81.12	
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	133.93	
33 14 13 39-0041		Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*		
		Note: Mueller H-15425		
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	30.10	
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	29.37	
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.61	
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	61.67	
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	85.53	
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	139.39	
33 14 13 39-0048		Brass Fittings *(33 14 13 39)*		
33 14 13 39-0049		Brass Compression Reducer Coupling *(33 14 13 39-0048)*		
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	39.60	10.17
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	28.29	10.17
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	68.00	15.44
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	83.55	19.59
33 14 13 39-0054		Copper Compression x Male NPT Brass Coupling *(33 14 13 39-0048)*		
		Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	40.20	11.30
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	45.60	13.19
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	47.23	13.19
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	45.87	13.19
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	66.61	15.07
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	64.13	15.07
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	89.89	18.84
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	121.32	22.61
33 14 13 39-0063		Brass Nipples *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	31.42	4.71
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	42.23	5.09
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	67.28	5.47
33 14 13 39-0067		Brass "H" Style Meter Insetters *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	259.73	20.83
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	155.93	20.83
33 14 13 39-0070		Meter Setters - Resetter, Brass *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	736.94	20.83
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0002		**Epoxy Wrap And Pipe Coating** *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.53	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.01	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.55	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.72	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.39	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.66	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.10	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.10	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.33	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	14.74	
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	31.77	
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	36.30	
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	40.84	
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	45.38	
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	49.92	
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	54.43	
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.99	
33 14 13 43-0020		**Cement Coating With Fiberglass Or Wire Mesh Reinforcing** *(33 14 13 43-0001)* Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	7.51	
33 14 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.24	
33 14 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.55	
33 14 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	12.87	
33 14 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.53	
33 14 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	17.01	
33 14 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	19.32	
33 14 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.80	
33 14 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.23	
33 14 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	29.06	
33 14 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.33	
33 14 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.60	
33 14 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	50.86	
33 14 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	58.13	
33 14 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	65.40	
33 14 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.66	
33 14 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	79.93	
33 14 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	87.19	
33 14 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	94.46	
33 14 13 43-0040	LF	84" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	101.73	
33 14 13 43-0041	LF	90" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	108.99	
33 14 13 43-0042	LF	96" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	116.26	
33 14 13 43-0043	LF	102" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	123.53	
33 14 13 43-0044	LF	108" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	130.79	
33 14 13 43-0045	LF	114" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	138.06	
33 14 13 43-0046	LF	120" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	145.32	
33 14 13 43-0047	LF	126" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	152.59	
33 14 13 43-0048	LF	132" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	159.86	
33 14 13 43-0049	LF	138" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	167.12	
33 14 13 43-0050	LF	144" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	174.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0051		**Epoxy Wrap And Fitting Coating** *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0052	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	5.88	
		For 1/2" Thick, Add	*0.39*	
33 14 13 43-0053	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	7.42	
		For 1/2" Thick, Add	*0.51*	
33 14 13 43-0054	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	10.63	
		For 1/2" Thick, Add	*0.66*	
33 14 13 43-0055	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	17.54	
		For 1/2" Thick, Add	*0.96*	
33 14 13 43-0056	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	26.67	
		For 1/2" Thick, Add	*1.42*	
33 14 13 43-0057	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	41.69	
		For 1/2" Thick, Add	*2.17*	
33 14 13 43-0058	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	62.92	
		For 1/2" Thick, Add	*2.80*	
33 14 13 43-0059	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	84.50	
		For 1/2" Thick, Add	*2.89*	
33 14 13 43-0060	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	114.04	
		For 1/2" Thick, Add	*3.45*	
33 14 13 43-0061	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	165.41	
		For 1/2" Thick, Add	*4.83*	
33 14 13 43-0062		**8 Mil Polyethylene Encasement Tubing** *(33 14 13 43)* Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0063	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.97	
33 14 13 43-0064	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.58	
33 14 13 43-0065	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.92	
33 14 13 43-0066	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.40	
33 14 13 43-0067	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.25	
33 14 13 43-0068	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	4.17	
33 14 13 43-0069	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	5.33	
33 14 13 43-0070	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	6.34	
33 14 13 43-0071	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	7.49	
33 14 13 43-0072	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	8.07	
33 14 13 53		**Public Water Utility Distribution Piping Saddles And Adapters** *(33 14 13)*		
33 14 13 53-0001		**Double Stud Stainless Steel Service Saddles** *(33 14 13 53)* Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	197.86	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	298.35	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	305.98	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	244.63	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	315.65	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	254.19	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	329.68	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	290.69	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	347.13	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	301.96	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	358.48	
33 14 13 53-0013		**Double Bale Epoxy Coated Ductile Iron Body Service Saddles** *(33 14 13 53)* Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	151.25	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	151.40	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	160.89	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	155.01	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	166.05	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	186.68	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	198.89	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	179.58	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	200.42	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.22	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	189.21	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	210.84	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	220.58	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	199.31	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	220.20	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.76	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	373.53	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	381.17	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	218.28	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	244.41	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	252.96	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	450.92	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	250.29	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	282.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	511.13	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	275.86	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	310.15	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.51	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	578.51	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	333.28	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.23	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	390.35	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	731.93	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	340.92	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	397.97	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	414.71	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	790.95	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	356.54	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	415.85	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	433.14	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	823.67	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	401.70	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	473.15	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	468.89	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	522.79	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	490.53	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	560.56	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	225.13	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	248.62	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	257.33	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	281.08	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	291.69	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	306.65	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	275.92	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	294.88	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	369.54	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	402.95	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	598.28	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	684.18	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	703.12	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	792.82	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	240.20	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	267.64	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	275.13	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	301.41	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	313.69	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	329.83	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	359.79	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	387.03	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	389.70	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	425.71	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	648.24	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	754.83	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	762.40	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	835.84	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,858.75	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,858.75	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,924.75	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,924.75	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,067.00	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,067.00	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,173.87	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,412.22	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,699.37	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,808.17	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,884.84	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,040.48	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,102.42	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,999.39	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,154.37	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,544.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,636.71	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,352.18	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,528.38	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,602.98	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,630.27	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,875.26	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,850.95	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,866.24	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,064.13	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,104.37	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,149.50	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,259.09	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,492.93	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,662.94	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,120.37	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,226.41	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,573.05	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,915.65	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,553.36	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,722.64	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,783.61	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,120.84	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,584.98	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,810.88	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,828.79	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,972.65	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,010.31	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,558.92	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,753.42	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,783.98	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,224.38	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,424.77	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	971.36	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,009.97	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,116.06	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,130.65	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,179.21	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,384.84	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,223.99	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,271.04	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,450.76	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,111.73	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,361.89	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,434.93	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,611.64	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,202.87	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,426.64	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,846.75	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,905.68	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,294.79	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,779.31	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,091.35	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,215.92	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,277.03	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,531.69	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,228.41	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,386.45	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,309.03	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,426.77	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,593.72	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,415.09	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,572.93	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,824.84	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,885.79	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,271.23	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,928.98	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,203.07	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,027.03	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,170.94	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,368.32	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,305.51	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,470.46	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,152.41	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,238.64	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,315.32	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,321.93	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,411.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,696.56	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,520.12	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,620.46	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,875.01	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,619.06	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,725.43	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,865.35	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,204.40	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,648.76	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,986.45	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,966.53	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,140.14	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,522.99	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,967.80	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,198.97	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,433.50	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,674.01	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,855.21	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,334.13	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,656.22	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,660.22	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,023.98	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,213.48	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,633.27	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,191.45	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,845.58	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,208.37	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,360.71	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,149.37	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,584.48	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,410.04	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,454.21	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,638.62	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,581.67	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,080.96	
33 14 13 53-0222		**Ductile Iron Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	290.38	40.55
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	363.50	51.13
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	474.69	70.52
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	623.69	82.86
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,015.95	93.44
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,133.58	105.78
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	442.24	40.55
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	519.76	51.13
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	691.75	70.52
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	849.60	82.86
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,044.93	93.44
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,220.73	105.78
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,459.59	116.36
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,739.47	126.94
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,064.49	139.63
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,451.00	153.59
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	373.66	51.13
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	499.76	70.52
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	548.67	82.86
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	828.39	93.44
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,068.19	105.78
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,200.36	116.36
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,420.75	126.94
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,597.21	139.63
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,933.60	153.59
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,345.23	168.96
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,048.95	185.82
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,859.82	204.44
33 14 13 53-0253		**Ductile Iron Body, Omni Coupling System** *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	121.50	28.21
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	151.16	33.49
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	188.05	40.55
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	235.94	51.13
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	312.50	70.52
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	382.47	82.86
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	487.81	93.44
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	573.92	105.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	838.91	116.36
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,064.54	126.94

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Accessories For Valves *(33 14 19)*

33 14 19 00-0002	EA	1' Valve Extension Stem	91.63	
		For Each Additional LF, Add	*7.94*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,652.50	69.45
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,877.76	76.40

33 14 19 00-0005 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0006 Angle Valves *(33 14 19 00-0005)*

Note: For connecting meters to water service.

33 14 19 00-0007 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0006)*

Note: NIBCO T-335Y

33 14 19 00-0008	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	91.03	12.06
33 14 19 00-0009	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	122.80	16.20
33 14 19 00-0010	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	167.83	19.96
33 14 19 00-0011	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	216.53	25.10
33 14 19 00-0012	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	272.98	29.01
33 14 19 00-0013	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	416.99	33.90
33 14 19 00-0014	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	677.30	46.32
33 14 19 00-0015	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,046.38	53.47

33 14 19 00-0016 Ball Meter Valves *(33 14 19 00-0005)*

33 14 19 00-0017	EA	3/4" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	125.21	18.84
33 14 19 00-0018	EA	1" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	173.77	19.96
33 14 19 00-0019	EA	1-1/2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	316.00	33.90
33 14 19 00-0020	EA	2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	429.85	34.28

33 14 19 00-0021 Butterfly Valves *(33 14 19 00-0005)*

33 14 19 00-0022 Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0021)*

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0023	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,084.92	128.10
33 14 19 00-0024	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,345.63	128.10
33 14 19 00-0025	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,301.01	198.42
33 14 19 00-0026	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,559.49	198.42
33 14 19 00-0027	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,621.95	225.01
33 14 19 00-0028	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,880.43	225.01
33 14 19 00-0029	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,933.03	287.51
33 14 19 00-0030	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,190.03	287.51
33 14 19 00-0031	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,686.33	350.01
33 14 19 00-0032	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,686.33	350.01
33 14 19 00-0033	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,196.57	424.25
33 14 19 00-0034	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,455.05	424.25
33 14 19 00-0035	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	5,627.06	621.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0036	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,302.97	621.48
33 14 19 00-0037	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	6,591.60	683.63
33 14 19 00-0038	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,420.52	683.63
33 14 19 00-0039	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,354.54	758.21
33 14 19 00-0040	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,232.48	758.21
33 14 19 00-0041	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,587.61	854.54
33 14 19 00-0042	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,464.06	854.54
33 14 19 00-0043		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0021)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0044	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,369.44	1,048.76
33 14 19 00-0045	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	26,920.31	1,048.76
33 14 19 00-0046	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,317.30	1,048.76
33 14 19 00-0047	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	26,836.03	1,638.34
33 14 19 00-0048	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,035.58	2,184.46
33 14 19 00-0049	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	63,254.54	3,276.69
33 14 19 00-0050	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	80,301.04	4,095.85
33 14 19 00-0051	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	112,940.18	4,915.02
33 14 19 00-0052	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	141,762.26	5,898.03
33 14 19 00-0053	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	204,690.85	7,077.63
33 14 19 00-0054	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.48	
33 14 19 00-0055	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.25	
33 14 19 00-0056		**Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge** *(33 14 19 00-0021)* Note: AWWA C-504.		
33 14 19 00-0057		**Aboveground Service** *(33 14 19 00-0056)*		
33 14 19 00-0058		**Valve** *(33 14 19 00-0057)*		
33 14 19 00-0059	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	1,902.00	118.06
33 14 19 00-0060	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,017.61	197.93
33 14 19 00-0061	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,655.34	225.01
33 14 19 00-0062	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	3,103.58	287.51
33 14 19 00-0063	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,544.37	350.01
33 14 19 00-0064	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,749.70	425.01
33 14 19 00-0065	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	7,778.46	621.48
33 14 19 00-0066	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	9,114.30	683.63
33 14 19 00-0067	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	11,431.16	610.01
33 14 19 00-0068	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	13,562.69	687.52
33 14 19 00-0069	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	19,011.37	843.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0070		**Valve With 120 Volt AC Electric Motor Operator** *(33 14 19 00-0057)*		
33 14 19 00-0071	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,416.94	118.06
33 14 19 00-0072	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,553.01	197.93
33 14 19 00-0073	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	14,612.81	225.01
33 14 19 00-0074	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,015.02	287.51
33 14 19 00-0075	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,765.37	350.01
33 14 19 00-0076	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	18,062.48	425.01
33 14 19 00-0077	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	19,285.86	621.48
33 14 19 00-0078	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	21,030.85	683.63
33 14 19 00-0079	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	30,018.01	758.21
33 14 19 00-0080	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	32,900.21	854.54
33 14 19 00-0081		**Valve With Pneumatic Or Hydraulic Motor Operator** *(33 14 19 00-0057)*		
33 14 19 00-0082	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,198.10	118.06
33 14 19 00-0083	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,334.17	197.93
33 14 19 00-0084	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	6,552.51	225.01
33 14 19 00-0085	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	6,949.61	287.51
33 14 19 00-0086	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	9,582.06	350.01
33 14 19 00-0087	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	10,216.99	425.01
33 14 19 00-0088	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	11,230.68	621.48
33 14 19 00-0089	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	12,627.89	683.63
33 14 19 00-0090	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	13,605.90	758.21
33 14 19 00-0091	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	19,705.05	854.54
33 14 19 00-0092	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	32,774.22	843.77
33 14 19 00-0093		**Buried Service** *(33 14 19 00-0056)*		
33 14 19 00-0094	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service	3,756.51	197.93
33 14 19 00-0095	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	3,944.17	225.01
33 14 19 00-0096	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	5,297.66	287.51
33 14 19 00-0097	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	7,996.59	350.01
33 14 19 00-0098	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,304.21	425.01
33 14 19 00-0099	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	13,562.85	621.48
33 14 19 00-0100	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	16,064.77	683.63
33 14 19 00-0101	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	20,443.85	758.21
33 14 19 00-0102	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	24,031.84	854.54
33 14 19 00-0103	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	34,840.96	1,048.76
33 14 19 00-0104		**Check Valves** *(33 14 19 00-0005)*		
33 14 19 00-0105		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0104)*		
		Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0106	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,728.97	100.70
33 14 19 00-0107	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,750.46	118.06
33 14 19 00-0108	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,275.69	149.32
33 14 19 00-0109	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,376.22	224.67
33 14 19 00-0110	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,472.09	250.91
33 14 19 00-0111	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,287.15	250.01
33 14 19 00-0112	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,382.22	284.19
33 14 19 00-0113	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,532.10	319.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0114	EA	8" Flanged, Swing Type Gravity Operated Check Valve	4,749.15	319.47
33 14 19 00-0115	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,295.42	388.91
33 14 19 00-0116	EA	12" Flanged, Swing Type Gravity Operated Check Valve	12,807.65	291.69
33 14 19 00-0117	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,066.85	621.48
33 14 19 00-0118	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,288.06	683.63
33 14 19 00-0119	EA	18" Flanged, Swing Type Gravity Operated Check Valve	35,655.41	758.21
33 14 19 00-0120	EA	20" Flanged, Swing Type Gravity Operated Check Valve	41,563.03	854.54
33 14 19 00-0121		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0104)*		
		Note: Class 125. Watts WCV-2, NIBCO T-413.		
33 14 19 00-0122	EA	1/4" Diameter Threaded, Bronze, Swing Type Check Valve	40.01	12.13
33 14 19 00-0123	EA	3/8" Diameter Threaded, Bronze, Swing Type Check Valve	41.15	12.13
33 14 19 00-0124	EA	1/2" Diameter Threaded, Bronze, Swing Type Check Valve	37.50	12.13
33 14 19 00-0125	EA	3/4" Diameter Threaded, Bronze, Swing Type Check Valve	49.61	16.39
33 14 19 00-0126	EA	1" Diameter Threaded, Bronze, Swing Type Check Valve	57.47	19.81
33 14 19 00-0127	EA	1-1/4" Diameter Threaded, Bronze, Swing Type Check Valve	83.53	25.10
33 14 19 00-0128	EA	1-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	103.44	29.01
33 14 19 00-0129	EA	2" Diameter Threaded, Bronze, Swing Type Check Valve	138.74	33.90
33 14 19 00-0130	EA	2-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	214.27	46.32
33 14 19 00-0131		**Combination Air Release Valves** *(33 14 19 00-0005)*		
33 14 19 00-0132	EA	1" Combination Air Release Valve	611.72	14.59
33 14 19 00-0133	EA	2" Combination Air Release Valve	985.07	25.00
33 14 19 00-0134		**Corporation Stop And Curb Valve** *(33 14 19 00-0005)*		
		Note: AWWA C800		
33 14 19 00-0135		**Ball Corporation Valves** *(33 14 19 00-0134)*		
		Note: Mueller B-25000.		
33 14 19 00-0136	EA	3/4" Ball Corporation Valve (Mueller B-25000)	65.42	14.59
33 14 19 00-0137	EA	1" Ball Corporation Valve (Mueller B-25000)	82.46	18.05
33 14 19 00-0138	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	152.26	26.39
33 14 19 00-0139	EA	2" Ball Corporation Valve (Mueller B-25000)	235.76	31.25
33 14 19 00-0140		**Ground Key Corporation Valves** *(33 14 19 00-0134)*		
		Note: Mueller B-15000.		
33 14 19 00-0141	EA	1/2" Ground Key Corporation Valve	48.33	12.50
33 14 19 00-0142	EA	3/4" Ground Key Corporation Valve	52.81	14.59
33 14 19 00-0143	EA	1" Ground Key Corporation Valve	72.89	18.05
33 14 19 00-0144	EA	1-1/4" Ground Key Corporation Valve	143.73	22.22
33 14 19 00-0145	EA	1-1/2" Ground Key Corporation Valve	147.48	26.39
33 14 19 00-0146	EA	2" Ground Key Corporation Valve	235.70	31.25
33 14 19 00-0147		**Ball Curb Valves** *(33 14 19 00-0134)*		
		Note: Mueller B-25204.		
33 14 19 00-0148	EA	3/4" Ball Curb Valve	81.75	14.59
33 14 19 00-0149	EA	1" Ball Curb Valve	109.44	18.05
33 14 19 00-0150	EA	1-1/2" Ball Curb Valve	214.71	26.39
33 14 19 00-0151	EA	2" Ball Curb Valve	327.21	31.25
33 14 19 00-0152		**O Ring Seal Curb Valves** *(33 14 19 00-0134)*		
		Note: Mueller H-15204.		
33 14 19 00-0153	EA	3/4" O Ring Seal Curb Valve	81.75	14.59
33 14 19 00-0154	EA	1" O Ring Seal Curb Valve	116.68	18.05
33 14 19 00-0155	EA	1-1/4" O Ring Seal Curb Valve	158.11	22.22
33 14 19 00-0156	EA	1-1/2" O Ring Seal Curb Valve	214.71	26.39
33 14 19 00-0157	EA	2" O Ring Seal Curb Valve	327.13	31.25
33 14 19 00-0158		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0005)*		
33 14 19 00-0159		**Gate Valve, Flanged** *(33 14 19 00-0158)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0160	EA	2" Gate Valve, Flanged	1,019.98	92.57
33 14 19 00-0161	EA	2-1/2" Gate Valve, Flanged	1,205.97	100.70
33 14 19 00-0162	EA	3" Gate Valve, Flanged	1,429.07	118.06
33 14 19 00-0163	EA	4" Gate Valve, Flanged	1,727.68	147.92
33 14 19 00-0164	EA	6" Gate Valve, Flanged	2,227.70	250.01
33 14 19 00-0165	EA	8" Gate Valve, Flanged	3,387.90	319.47
33 14 19 00-0166	EA	10" Gate Valve, Flanged	5,239.26	388.91
33 14 19 00-0167	EA	12" Gate Valve, Flanged	6,322.07	291.69
33 14 19 00-0168	EA	14" Gate Valve, Flanged	14,482.37	621.48
33 14 19 00-0169	EA	16" Gate Valve, Flanged	19,169.16	683.63
33 14 19 00-0170	EA	18" Gate Valve, Flanged	30,925.61	758.21
33 14 19 00-0171	EA	20" Gate Valve, Flanged	37,072.18	854.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0172		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0158)* Note: Mueller A-2360-6.		
33 14 19 00-0173	EA	2" Resilient Wedge Gate Valve, Flanged	968.83	92.57
33 14 19 00-0174	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,144.85	100.70
33 14 19 00-0175	EA	3" Resilient Wedge Gate Valve, Flanged	1,356.55	118.06
33 14 19 00-0176	EA	4" Resilient Wedge Gate Valve, Flanged	1,646.61	147.92
33 14 19 00-0177	EA	6" Resilient Wedge Gate Valve, Flanged	2,119.33	250.01
33 14 19 00-0178	EA	8" Resilient Wedge Gate Valve, Flanged	3,218.62	319.47
33 14 19 00-0179	EA	10" Resilient Wedge Gate Valve, Flanged	4,970.24	388.91
33 14 19 00-0180	EA	12" Resilient Wedge Gate Valve, Flanged	5,997.26	291.69
33 14 19 00-0181		**Gate Valve, Mechanical Joint** *(33 14 19 00-0158)* Note: Mueller A-2380-20.		
33 14 19 00-0182	EA	2" Gate Valve, Mechanical Joint	1,179.55	73.97
33 14 19 00-0183	EA	2-1/2" Gate Valve, Mechanical Joint	1,244.32	92.71
33 14 19 00-0184	EA	3" Gate Valve, Mechanical Joint	1,575.03	112.16
33 14 19 00-0185	EA	4" Gate Valve, Mechanical Joint	1,840.86	147.92
33 14 19 00-0186	EA	6" Gate Valve, Mechanical Joint	2,347.18	173.62
33 14 19 00-0187	EA	8" Gate Valve, Mechanical Joint	3,528.03	208.34
33 14 19 00-0188	EA	10" Gate Valve, Mechanical Joint	5,321.34	243.07
33 14 19 00-0189	EA	12" Gate Valve, Mechanical Joint	6,694.86	291.69
33 14 19 00-0190	EA	14" Gate Valve, Mechanical Joint	15,483.58	380.66
33 14 19 00-0191	EA	16" Gate Valve, Mechanical Joint	20,210.75	427.27
33 14 19 00-0192	EA	18" Gate Valve, Mechanical Joint	32,787.33	473.88
33 14 19 00-0193	EA	20" Gate Valve, Mechanical Joint	39,085.20	534.09
33 14 19 00-0194		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0158)* Note: Mueller A-2360-20.		
33 14 19 00-0195	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,121.14	73.97
33 14 19 00-0196	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,498.57	112.16
33 14 19 00-0197	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,753.40	147.92
33 14 19 00-0198	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,233.99	173.62
33 14 19 00-0199	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,351.94	208.34
33 14 19 00-0200	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,047.67	243.07
33 14 19 00-0201	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,348.87	291.69
33 14 19 00-0202		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0158)* Note: Mueller A-2361.		
33 14 19 00-0203	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,092.22	621.48
33 14 19 00-0204	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,961.11	683.63
33 14 19 00-0205	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	17,487.73	758.21
33 14 19 00-0206	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	20,937.62	854.54
33 14 19 00-0207	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	29,951.59	1,048.76
33 14 19 00-0208		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0158)* Note: NIBCO T-113.		
33 14 19 00-0209	EA	1/4" Diameter Threaded, Bronze, Gate Valve	48.86	12.13
33 14 19 00-0210	EA	3/8" Diameter Threaded, Bronze, Gate Valve	50.00	12.13
33 14 19 00-0211	EA	1/2" Diameter Threaded, Bronze, Gate Valve	48.66	12.13
33 14 19 00-0212	EA	3/4" Diameter Threaded, Bronze, Gate Valve	61.79	16.39
33 14 19 00-0213	EA	1" Diameter Threaded, Bronze, Gate Valve	76.63	19.81
33 14 19 00-0214	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	106.37	25.10
33 14 19 00-0215	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	123.63	29.01
33 14 19 00-0216	EA	2" Diameter Threaded, Bronze, Gate Valve	151.12	33.90
33 14 19 00-0217	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	315.04	46.32
33 14 19 00-0218	EA	3" Diameter Threaded, Bronze, Gate Valve	380.12	53.13
33 14 19 00-0219		**Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0158)* Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0220	EA	2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	553.91	100.44
33 14 19 00-0221	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	575.57	100.70
33 14 19 00-0222	EA	3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	645.90	118.06
33 14 19 00-0223	EA	4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	788.98	197.93
33 14 19 00-0224	EA	5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	994.33	202.50
33 14 19 00-0225	EA	6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,235.33	225.01
33 14 19 00-0226	EA	8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,866.97	287.51
33 14 19 00-0227	EA	10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,687.85	350.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0228	EA	12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,154.01	425.01
33 14 19 00-0229		**Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0158)*		
		Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11.		
33 14 19 00-0230	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	949.69	100.70
33 14 19 00-0231	EA	3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,053.01	118.06
33 14 19 00-0232	EA	4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,439.69	197.93
33 14 19 00-0233	EA	6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,215.50	225.01
33 14 19 00-0234	EA	8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,630.37	287.51
33 14 19 00-0235	EA	10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	5,623.51	350.01
33 14 19 00-0236	EA	12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	9,342.43	425.01
33 14 19 00-0237		**Globe Valve, AWWA** *(33 14 19 00-0005)*		
33 14 19 00-0238		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0237)*		
		Note: NIBCO T-235.		
33 14 19 00-0239	EA	1/8" Diameter Threaded, Globe Valve	73.19	12.13
33 14 19 00-0240	EA	1/4" Diameter Threaded, Globe Valve	70.88	12.13
33 14 19 00-0241	EA	3/8" Diameter Threaded, Globe Valve	72.02	12.13
33 14 19 00-0242	EA	1/2" Diameter Threaded, Globe Valve	73.19	12.13
33 14 19 00-0243	EA	3/4" Diameter Threaded, Globe Valve	99.51	16.39
33 14 19 00-0244	EA	1" Diameter Threaded, Globe Valve	143.43	19.81
33 14 19 00-0245	EA	1-1/4" Diameter Threaded, Globe Valve	214.36	25.10
33 14 19 00-0246	EA	1-1/2" Diameter Threaded, Globe Valve	257.08	29.01
33 14 19 00-0247	EA	2" Diameter Threaded, Globe Valve	366.52	33.90
33 14 19 00-0248	EA	2-1/2" Diameter Threaded, Globe Valve	692.10	46.32
33 14 19 00-0249	EA	3" Diameter Threaded, Globe Valve	959.49	53.41
33 14 19 00-0250		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0005)*		
33 14 19 00-0251		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0250)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0252	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,507.48	92.57
33 14 19 00-0253	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,944.19	118.06
33 14 19 00-0254	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,225.26	147.92
33 14 19 00-0255	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,988.06	250.01
33 14 19 00-0256	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,363.07	319.47
33 14 19 00-0257	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,424.32	388.91
33 14 19 00-0258	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	9,658.97	291.69
33 14 19 00-0259	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	17,914.69	621.48
33 14 19 00-0260	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	22,803.70	683.63
33 14 19 00-0261	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	37,370.27	758.21
33 14 19 00-0262		**Yokes And Angles** *(33 14 19 00-0005)*		
33 14 19 00-0263		**Yoke, Meter** *(33 14 19 00-0262)*		
33 14 19 00-0264	EA	Yoke, Meter, 5/8"	43.59	11.30
33 14 19 00-0265	EA	Yoke, Meter, 3/4"	49.83	12.44
33 14 19 00-0266	EA	Yoke, Meter, 1"	66.00	14.32
33 14 19 00-0267		**Angles And Ells** *(33 14 19 00-0262)*		
33 14 19 00-0268	EA	1-1/2" Flanged Angle, ELL	130.89	7.91
33 14 19 00-0269	EA	ELL, Yoke, With Female I.P.T	33.81	6.78
33 14 19 00-0270		**Fire Hydrants** *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0271		**Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0270)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0272	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,612.09	175.00
33 14 19 00-0273	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,681.76	175.00
33 14 19 00-0274	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,751.62	175.00
33 14 19 00-0275	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,833.64	187.50
33 14 19 00-0276	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,903.38	187.50
33 14 19 00-0277	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,988.82	203.13
33 14 19 00-0278	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,058.46	203.13
33 14 19 00-0279	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,143.91	218.75
33 14 19 00-0280	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,213.65	218.75
33 14 19 00-0281	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,298.91	234.38
33 14 19 00-0282	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,384.25	250.00
33 14 19 00-0283	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,485.11	281.25
33 14 19 00-0284	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,675.67	175.00
33 14 19 00-0285	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,766.09	175.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0286	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,856.29	175.00
33 14 19 00-0287	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,958.99	187.50
33 14 19 00-0288	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,049.19	187.50
33 14 19 00-0289	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,155.35	203.13
33 14 19 00-0290	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,245.44	203.13
33 14 19 00-0291	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,351.35	218.75
33 14 19 00-0292	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,441.52	218.75
33 14 19 00-0293	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,547.19	234.38
33 14 19 00-0294	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,653.24	250.00
33 14 19 00-0295	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,774.53	281.25

33 14 19 00-0296 Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0270)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0297	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,229.63	175.00
33 14 19 00-0298	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,299.06	175.00
33 14 19 00-0299	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,368.89	175.00
33 14 19 00-0300	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,451.20	187.50
33 14 19 00-0301	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,520.72	187.50
33 14 19 00-0302	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,606.01	203.13
33 14 19 00-0303	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,675.75	203.13
33 14 19 00-0304	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,761.27	218.75
33 14 19 00-0305	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,830.86	218.75
33 14 19 00-0306	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,916.50	234.38
33 14 19 00-0307	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,001.39	250.00
33 14 19 00-0308	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,102.41	281.25
33 14 19 00-0309	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,327.85	175.00
33 14 19 00-0310	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,418.07	175.00
33 14 19 00-0311	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,508.16	175.00
33 14 19 00-0312	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,611.08	187.50
33 14 19 00-0313	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,701.05	187.50
33 14 19 00-0314	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,807.06	203.13
33 14 19 00-0315	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,897.08	203.13
33 14 19 00-0316	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,003.28	218.75
33 14 19 00-0317	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,093.25	218.75
33 14 19 00-0318	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,199.24	234.38
33 14 19 00-0319	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,304.83	250.00
33 14 19 00-0320	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,426.62	281.25

33 14 19 00-0321 Three Way, Modern Model Fire Hydrant *(33 14 19 00-0270)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0322	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,774.70	175.00
33 14 19 00-0323	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,864.78	175.00
33 14 19 00-0324	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,955.14	175.00
33 14 19 00-0325	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,057.88	187.50
33 14 19 00-0326	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,148.03	187.50
33 14 19 00-0327	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,253.86	203.13
33 14 19 00-0328	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,344.13	203.13
33 14 19 00-0329	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,449.97	218.75
33 14 19 00-0330	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,540.15	218.75
33 14 19 00-0331	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,645.97	218.75
33 14 19 00-0332	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,752.06	250.00
33 14 19 00-0333	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	4,872.41	250.00

33 14 19 00-0334 Two Way, Modern Model Fire Hydrant *(33 14 19 00-0270)*

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0335	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,645.11	175.00
33 14 19 00-0336	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,713.66	175.00
33 14 19 00-0337	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,782.98	175.00
33 14 19 00-0338	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,863.23	187.50
33 14 19 00-0339	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,931.77	187.50
33 14 19 00-0340	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,015.93	203.13
33 14 19 00-0341	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,084.44	203.13
33 14 19 00-0342	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,168.68	218.75
33 14 19 00-0343	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,237.02	218.75
33 14 19 00-0344	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,321.20	234.38
33 14 19 00-0345	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,405.45	250.00
33 14 19 00-0346	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,504.38	281.25

33 14 19 00-0347 Fire Hydrant Extension Kits *(33 14 19 00-0270)*

33 14 19 00-0348	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	530.99	15.63
33 14 19 00-0349	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	627.86	19.53
33 14 19 00-0350	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	678.07	23.44
33 14 19 00-0351	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	763.58	28.90
33 14 19 00-0352	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,195.91	30.09
33 14 19 00-0353	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,280.06	31.25
33 14 19 00-0354	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,296.11	32.81
33 14 19 00-0355	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,367.38	35.16
33 14 19 00-0356	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,496.66	42.19
33 14 19 00-0357	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,559.63	50.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0358	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	591.31	17.50
33 14 19 00-0359	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	696.38	21.25
33 14 19 00-0360	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	795.82	25.63
33 14 19 00-0361	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	880.01	31.87
33 14 19 00-0362	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,238.18	33.13
33 14 19 00-0363	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,323.21	34.37
33 14 19 00-0364	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,379.04	36.25
33 14 19 00-0365	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,623.97	38.75
33 14 19 00-0366	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,767.33	46.25
33 14 19 00-0367	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,834.35	55.62
33 14 19 00-0368		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0270)* Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0369	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	500.01	
33 14 19 00-0370	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	729.19	
33 14 19 00-0371	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,031.35	
33 14 19 00-0372		**Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0373	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	337.95	22.61
33 14 19 00-0374	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	366.79	22.61
33 14 19 00-0375	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	395.62	22.61
33 14 19 00-0376	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	295.87	28.63
33 14 19 00-0377	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	313.07	28.63
33 14 19 00-0378	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	330.26	28.63
33 14 19 00-0379		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0380	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,682.00	47.09
33 14 19 00-0381	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,772.11	47.09
33 14 19 00-0382	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,862.22	47.09
33 14 19 00-0383		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0384	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	853.14	29.61
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0468 for Enclosures.		
33 14 23 00-0001		**Roadway Utility Box** *(33 14 23)*		
33 14 23 00-0002		**Utility Box** *(33 14 23 00-0001)* Note: Christy Concrete Products.		
33 14 23 00-0003		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	109.76	35.07
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	131.60	3.90
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	51.35	3.90
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	294.75	3.90
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	69.35	7.80
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	104.81	7.80
33 14 23 00-0010		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	129.96	46.76
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	153.98	4.67
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	56.45	4.67
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	309.51	3.90
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	79.10	7.80
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	104.06	11.69
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	111.86	21.43
33 14 23 00-0018		**B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	143.44	50.66
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	281.14	5.85
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	73.41	7.80
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	412.42	7.80
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	146.86	27.28
33 14 23 00-0024		**B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	164.42	59.23
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	315.87	7.80
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	93.52	7.80
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	414.82	7.80
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	127.84	13.25
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	150.20	27.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0031		**B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	198.98	70.14
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	122.98	12.47
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	512.08	10.13
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	127.84	13.25
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	193.54	21.82
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	154.52	14.81
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	195.05	35.07
33 14 23 00-0039		**B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	262.17	88.84
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	198.70	21.43
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	638.71	14.81
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	165.79	28.05
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	305.27	31.17
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	262.88	45.20
33 14 23 00-0046		**B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)*		
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	577.81	137.16
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	554.68	51.43
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	904.85	22.60
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	444.03	48.32
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	472.02	50.66
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	706.31	155.86
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	743.27	84.94
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	970.76	84.94
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,427.67	38.96
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	592.24	105.21
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	570.80	70.92
33 14 23 00-0059		**B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box	164.50	88.84
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box	109.24	21.43
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	384.10	14.81
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	165.79	28.05
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	305.27	31.17
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	181.40	45.20
33 14 23 00-0066		**Roadway Or Curb Valve Boxes** *(33 14 23)* See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0067		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)*		
33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	229.23	9.16
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	269.42	9.16
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	271.27	9.16
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	65.06	4.59
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	75.70	4.59
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	91.71	4.59
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	350.63	11.46
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	615.27	16.04
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	690.25	16.04
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	365.50	11.46
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	383.41	11.46
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	369.73	11.46
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	133.10	4.59
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	213.99	18.84
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	222.12	19.59
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	247.59	20.34
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	350.66	21.48
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	426.06	22.61
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	101.94	
33 14 23 00-0087		**Curb Box Components** *(33 14 23 00-0066)*		
33 14 23 00-0088	EA	Curb Box Bolt	10.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0089	EA	Curb Box Cover	14.41	
33 14 23 00-0090	EA	Curb Box Foot Piece	10.10	
33 14 23 00-0091	EA	Curb Box Guide Ring	8.70	
33 14 23 00-0092	EA	Curb Box Rod	49.26	
33 14 23 00-0093	EA	Curb Box Top Section	68.07	
33 14 23 00-0094	EA	Curb Box Bottom Section	72.01	
33 14 23 00-0095	EA	Curb Box Pin, Secures Rod To Curb Box	7.54	
33 14 23 00-0096		Plastic Roadway Grade Water Meter Box And Cover *(33 14 23 00-0066)*		
33 14 23 00-0097	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	292.62	26.38
33 14 23 00-0098	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	221.38	18.84
33 14 23 00-0099	EA	Cast Iron Lid For Plastic Meter Box	68.48	
33 14 23 00-0100		Valve Box Components *(33 14 23 00-0066)*		
33 14 23 00-0101	EA	Valve Box Upper And Lower Section	137.91	
33 14 23 00-0102	EA	Valve Box Cover "Water"	21.49	
33 14 23 00-0103	EA	Valve Box Lower Section, 4-1/2" x 6" Cutout	112.00	
33 14 23 00-0104	EA	Valve Box Top Section	53.95	
33 14 23 00-0105	EA	Valve Box Extension, 17"	65.33	
33 14 23 00-0106	EA	Meter, Cover, Single, Remote Sensor	41.68	
33 14 23 00-0107	EA	Meter, Frame, Double, 15" Diameter	80.40	
33 14 23 00-0108	EA	Meter, Frame, Double, 18" Diameter	76.40	
33 14 23 00-0109	EA	Meter, Frame, Double, 21" Diameter	189.87	
33 14 23 00-0110	EA	Extension Ring, 18" Meter Frame, 24" Pit	170.04	
33 14 23 00-0111	EA	Meter, Housing, Concrete Or Clay, 21" Diameter	279.50	
33 14 23 00-0112	EA	Meter, Housing, Clay, 24" Diameter	481.13	
33 14 23 00-0113	EA	Meter, Housing, PE, 18" Diameter	122.27	
33 14 23 00-0114	EA	Meter, Housing, PE, 24" Diameter	204.97	
33 14 23 00-0115		Removal And Reinstallation Of Meter *(33 14 23 00-0066)* Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		
33 14 23 00-0116	EA	Removal And Reinstallation Of House Meter Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.	108.54	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	307.78	39.18
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	388.77	46.72
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	528.64	53.50
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,045.61	79.87
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,419.50	103.98
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	587.49	39.18
		For Owner Furnished Material, Deduct	*-547.83*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	668.53	46.72
		For Owner Furnished Material, Deduct	*-621.44*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,007.36	53.50
		For Owner Furnished Material, Deduct	*-953.54*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,712.81	79.87
		For Owner Furnished Material, Deduct	*-1,632.65*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	2,116.54	103.98
		For Owner Furnished Material, Deduct	*-2,011.89*	
33 19 13 23-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	485.71	18.84
		For Owner Furnished Material, Deduct	*-466.87*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 13 Single-Jet Water Meters *(33 19 16)*

33 19 16 13-0001		Small/Large Spectrum Water Service Meter *(33 19 16 13)* Note: Metron-Farnier.		
33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 50.	1,870.14	79.12
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 88.	2,691.56	100.44
33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 130.	3,268.77	100.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 175.	4,304.51	118.06
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 260.	4,480.30	118.06
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 260.	6,220.44	184.73
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	10,457.72	184.73
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	13,089.83	250.01
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter Note: Metron-Farnier #Spectrum 440.	16,260.43	319.47

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001 Flanged Turbine Water Service Meter *(33 19 16 23)*

33 19 16 23-0002 Vertical Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,257.46	72.92
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,777.93	92.57
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,236.28	118.06
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	4,808.66	184.73
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,321.73	250.01

33 19 16 23-0008 Horizontal Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,034.85	72.92
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,887.75	92.57
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,681.23	118.06
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,396.82	184.73
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,464.66	250.01
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,374.87	319.47
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	21,603.76	388.91
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	25,708.49	613.23

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,552.36	92.57
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,601.56	118.06
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	10,940.83	184.73
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,320.92	250.01
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	31,991.56	319.47
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,184.91	388.91

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,149.67	92.57
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,808.10	118.06
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,619.02	184.73

33 19 26 Ultrasonic Water Meters *(33 19)*

33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,459.87	118.06
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,056.59	184.73
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,476.93	250.01
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	10,845.66	319.47

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0001)*

33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.93	2.41
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.56	2.85
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	12.76	3.45
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.49	4.03
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	24.08	4.68
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	33.82	5.45
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	49.54	5.64
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	67.95	5.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0011		**Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0001)* Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.24	3.45
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.72	4.03
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	12.64	4.68
33 31 11 00-0015		**Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 11 00-0001)*		
33 31 11 00-0016		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0017	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	21.91	8.25
33 31 11 00-0018	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	28.06	10.67
33 31 11 00-0019	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	59.09	14.32
33 31 11 00-0020	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	104.52	16.56
33 31 11 00-0021	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	517.29	21.52
33 31 11 00-0022	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	874.15	28.97
33 31 11 00-0023	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,153.14	38.58
33 31 11 00-0024		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0025	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	24.11	8.25
33 31 11 00-0026	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	27.88	10.67
33 31 11 00-0027	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	55.79	14.32
33 31 11 00-0028	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	88.40	16.56
33 31 11 00-0029	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	476.25	21.52
33 31 11 00-0030	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	778.76	28.97
33 31 11 00-0031	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	872.54	38.58
33 31 11 00-0032	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,310.30	51.38
33 31 11 00-0033		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps** *(33 31 11 00-0015)*		
33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	48.65	8.12
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	43.45	10.67
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	98.67	14.32
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	177.08	16.56
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	377.14	21.52
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	689.97	28.97
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,149.84	38.58
33 31 11 00-0041	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,759.07	51.38
33 31 11 00-0042		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0015)*		
33 31 11 00-0043	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	28.79	8.25
33 31 11 00-0044	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	32.64	10.67
33 31 11 00-0045	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	69.49	14.32
33 31 11 00-0046	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	113.83	16.56
33 31 11 00-0047	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	653.82	21.52
33 31 11 00-0048	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,072.90	28.97
33 31 11 00-0049	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,198.40	38.58
33 31 11 00-0050	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,201.70	51.38
33 31 11 00-0051		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0015)*		
33 31 11 00-0052	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	33.20	9.42
33 31 11 00-0053	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	77.70	11.23
33 31 11 00-0054	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	69.53	12.39
33 31 11 00-0055	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	121.11	13.55
33 31 11 00-0056	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	128.42	15.37
33 31 11 00-0057	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	456.02	19.03
33 31 11 00-0058	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,002.89	25.22
33 31 11 00-0059	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	168.07	27.54
33 31 11 00-0060	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	242.77	30.03
33 31 11 00-0061	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	220.24	33.73
33 31 11 00-0062	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,019.98	36.46
33 31 11 00-0063	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,073.71	40.16
33 31 11 00-0064	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,131.62	44.98
33 31 11 00-0065		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0015)*		
33 31 11 00-0066	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	35.73	12.46
33 31 11 00-0067	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	48.51	16.12
33 31 11 00-0068	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	96.80	21.27
33 31 11 00-0069	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	163.28	26.43
33 31 11 00-0070	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	762.77	28.97
33 31 11 00-0071	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	987.83	38.58
33 31 11 00-0072		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0073	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	52.77	12.46
33 31 11 00-0074	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	58.41	16.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0075	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	109.44	21.27
33 31 11 00-0076	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	183.98	26.43
33 31 11 00-0077	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	685.08	28.97
33 31 11 00-0078	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	840.26	38.58
33 31 11 00-0079	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,103.82	51.48
33 31 11 00-0080	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,770.67	68.70
33 31 11 00-0081		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	79.52	12.46
33 31 11 00-0083	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	84.43	16.12
33 31 11 00-0084	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	91.85	21.27
33 31 11 00-0085	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	155.59	26.43
33 31 11 00-0086	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	175.01	26.43
33 31 11 00-0087	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	287.73	43.54
33 31 11 00-0088		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0015)*		
33 31 11 00-0089	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	96.70	16.12
33 31 11 00-0090	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	125.20	21.27
33 31 11 00-0091	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	283.98	28.72
33 31 11 00-0092	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	540.57	34.74
33 31 11 00-0093	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	117.14	21.27
33 31 11 00-0094	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	222.42	28.72
33 31 11 00-0095	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	438.88	34.74
33 31 11 00-0096		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0097	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	74.02	12.46
33 31 11 00-0098	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	91.57	16.12
33 31 11 00-0099	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	209.11	21.27
33 31 11 00-0100	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	407.51	26.43
33 31 11 00-0101	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	163.76	16.12
33 31 11 00-0102	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	274.49	21.27
33 31 11 00-0103	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	183.54	21.27
33 31 11 00-0104	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	376.86	26.43
33 31 11 00-0105	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	404.89	26.43
33 31 11 00-0106		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0015)*		
33 31 11 00-0107	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	113.19	16.12
33 31 11 00-0108	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	127.03	21.27
33 31 11 00-0109	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	208.31	28.72
33 31 11 00-0110	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	922.76	34.74
33 31 11 00-0111	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	3,218.59	38.46
33 31 11 00-0112		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0113	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	633.99	63.37
33 31 11 00-0114	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,688.60	81.75
33 31 11 00-0115	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,122.61	115.21
33 31 11 00-0116	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,864.14	185.33
33 31 11 00-0117		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0015)*		
33 31 11 00-0118	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	20.71	8.25
33 31 11 00-0119	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	25.22	10.60
33 31 11 00-0120	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	45.21	14.20
33 31 11 00-0121	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	64.07	16.56
33 31 11 00-0122	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	248.90	21.52
33 31 11 00-0123	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	669.11	28.97
33 31 11 00-0124	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,027.48	38.58
33 31 11 00-0125	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,728.75	51.38
33 31 11 00-0126		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0015)*		
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	94.51	48.75
33 31 11 00-0128	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	62.86	37.09
33 31 11 00-0129	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	65.98	37.09
33 31 11 00-0130	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	74.27	37.09
33 31 11 00-0131	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	96.79	48.75
33 31 11 00-0132	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	90.15	48.75
33 31 11 00-0133	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	79.26	48.75
33 31 11 00-0134	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	45.73	25.07
33 31 11 00-0135		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0015)*		
33 31 11 00-0136	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	32.29	8.87
33 31 11 00-0137	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	59.66	11.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0138	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	124.46	14.26
33 31 11 00-0139		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0015)*		
33 31 11 00-0140	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	16.16	8.25
33 31 11 00-0141	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	21.18	10.67
33 31 11 00-0142	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	33.84	14.32
33 31 11 00-0143	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	48.51	16.56
33 31 11 00-0144	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	94.84	21.52
33 31 11 00-0145	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	446.06	28.97
33 31 11 00-0146		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0147	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	11.05	4.03
33 31 11 00-0148	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	15.07	4.68
33 31 11 00-0149	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	20.59	5.45
33 31 11 00-0150	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	25.83	5.64
33 31 11 00-0151	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	32.16	5.84
33 31 11 00-0152	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	42.80	6.05
33 31 11 00-0153	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	54.99	6.27
33 31 11 00-0154	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	72.16	6.81
33 31 11 00-0155	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	88.01	7.35
33 31 11 00-0156	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	109.72	8.62
33 31 11 00-0157		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0158	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	11.17	4.03
33 31 11 00-0159	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	15.60	4.68
33 31 11 00-0160	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	21.79	5.45
33 31 11 00-0161		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0001)* Note: ASTM 3034.		
33 31 11 00-0162		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0163	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	67.87	14.51
33 31 11 00-0164	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	108.48	16.87
33 31 11 00-0165	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	254.31	19.12
33 31 11 00-0166	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	785.02	22.49
33 31 11 00-0167	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,015.08	28.67
33 31 11 00-0168		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0161)*		
33 31 11 00-0169	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	58.89	14.51
33 31 11 00-0170	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	98.58	16.87
33 31 11 00-0171	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	229.27	19.12
33 31 11 00-0172	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	549.31	22.49
33 31 11 00-0173	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	790.96	28.67
33 31 11 00-0174	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,731.59	40.48
33 31 11 00-0175	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,759.10	57.36
33 31 11 00-0176	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,637.40	75.91
33 31 11 00-0177	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,327.09	101.21
33 31 11 00-0178		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees** *(33 31 11 00-0161)*		
33 31 11 00-0179	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	103.08	21.76
33 31 11 00-0180	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	184.81	24.12
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	210.79	25.30
33 31 11 00-0182	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	235.20	26.48
33 31 11 00-0183	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	273.96	27.67
33 31 11 00-0184	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	566.52	28.85
33 31 11 00-0185	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	738.45	29.52
33 31 11 00-0186	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	841.38	30.93
33 31 11 00-0187	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,265.86	32.11
33 31 11 00-0188	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,663.91	33.74
33 31 11 00-0189	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	909.30	35.93
33 31 11 00-0190	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	967.11	37.11
33 31 11 00-0191	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,405.37	38.29
33 31 11 00-0192	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,053.67	39.92
33 31 11 00-0193	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,317.77	43.01
33 31 11 00-0194		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes** *(33 31 11 00-0161)*		
33 31 11 00-0195	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	96.11	21.76
33 31 11 00-0196	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	161.59	24.12
33 31 11 00-0197	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	179.60	25.30
33 31 11 00-0198	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	225.24	26.48
33 31 11 00-0199	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	262.08	27.67
33 31 11 00-0200	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	424.62	28.85
33 31 11 00-0201	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	670.73	29.75
33 31 11 00-0202	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	683.19	30.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0203	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,052.88	32.11
33 31 11 00-0204	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,168.12	33.74
33 31 11 00-0205	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	853.09	35.93
33 31 11 00-0206	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	879.78	37.11
33 31 11 00-0207	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,285.68	38.29
33 31 11 00-0208	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,560.01	39.92
33 31 11 00-0209	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,626.52	43.01
33 31 11 00-0210	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,006.75	51.73
33 31 11 00-0211	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,230.80	54.82
33 31 11 00-0212	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,802.65	60.73
33 31 11 00-0213		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings** *(33 31 11 00-0161)*		
33 31 11 00-0214	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	67.08	14.51
33 31 11 00-0215	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	113.77	16.87
33 31 11 00-0216	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	177.54	19.23
33 31 11 00-0217	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	360.36	22.49
33 31 11 00-0218	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	516.91	28.67
33 31 11 00-0219	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,038.06	40.48
33 31 11 00-0220	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,984.97	57.36
33 31 11 00-0221	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,346.47	75.91
33 31 11 00-0222	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	4,859.45	101.21
33 31 11 00-0223		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers** *(33 31 11 00-0161)*		
33 31 11 00-0224	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	149.26	15.68
33 31 11 00-0225	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	223.58	16.87
33 31 11 00-0226	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	235.33	18.05
33 31 11 00-0227	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	566.39	19.68
33 31 11 00-0228	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	653.99	20.86
33 31 11 00-0229	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	731.64	22.77
33 31 11 00-0230	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	843.50	23.96
33 31 11 00-0231	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	970.44	25.59
33 31 11 00-0232	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,467.85	34.58
33 31 11 00-0233		**SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps** *(33 31 11 00-0161)*		
33 31 11 00-0234	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	116.79	
33 31 11 00-0235	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	157.79	
33 31 11 00-0236	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	162.09	
33 31 11 00-0237	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	285.36	
33 31 11 00-0238	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	303.36	
33 31 11 00-0239	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	613.10	
33 31 11 00-0240	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	321.96	
33 31 11 00-0241	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	355.71	
33 31 11 00-0242	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	855.77	
33 31 11 00-0243	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,018.28	
33 31 11 00-0244	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	356.39	
33 31 11 00-0245	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	385.84	
33 31 11 00-0246		**SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps** *(33 31 11 00-0161)*		
33 31 11 00-0247	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	126.87	
33 31 11 00-0248	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	157.79	
33 31 11 00-0249	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	175.81	
33 31 11 00-0250	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	258.65	
33 31 11 00-0251	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	301.21	
33 31 11 00-0252	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	478.66	
33 31 11 00-0253	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	319.82	
33 31 11 00-0254	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	353.67	
33 31 11 00-0255	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	554.76	
33 31 11 00-0256	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	686.00	
33 31 11 00-0257	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	355.06	
33 31 11 00-0258	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	375.86	
33 31 11 00-0259	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	673.19	
33 31 11 00-0260	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	752.38	
33 31 11 00-0261	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,092.77	
33 31 11 00-0262		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Caps** *(33 31 11 00-0161)*		
33 31 11 00-0263	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	34.24	
33 31 11 00-0264	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	56.05	
33 31 11 00-0265	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	130.24	
33 31 11 00-0266	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	374.31	
33 31 11 00-0267	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	555.27	
33 31 11 00-0268		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings** *(33 31 11 00-0001)* Note: ASTM F949.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0269		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0268)*		
33 31 11 00-0270	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	10.23	4.03
33 31 11 00-0271	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	14.89	4.68
33 31 11 00-0272	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	19.19	5.45
33 31 11 00-0273	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	23.22	5.64
33 31 11 00-0274	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	24.65	5.84
33 31 11 00-0275	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	29.48	6.05
33 31 11 00-0276	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	38.46	6.27
33 31 11 00-0277	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	45.19	6.81
33 31 11 00-0278	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	55.99	7.35
33 31 11 00-0279	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	80.79	9.89
33 31 11 00-0280		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0268)*		
33 31 11 00-0281	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	44.41	
33 31 11 00-0282	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	61.27	
33 31 11 00-0283	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	85.98	
33 31 11 00-0284	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	149.13	
33 31 11 00-0285	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	159.58	
33 31 11 00-0286	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	269.04	
33 31 11 00-0287	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	428.69	
33 31 11 00-0288	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	614.86	
33 31 11 00-0289	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	800.97	
33 31 11 00-0290	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	1,058.84	
33 31 11 00-0291		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0268)*		
33 31 11 00-0292	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	41.15	
33 31 11 00-0293	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	56.43	
33 31 11 00-0294	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	78.95	
33 31 11 00-0295	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	135.91	
33 31 11 00-0296	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	145.74	
33 31 11 00-0297	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	244.58	
33 31 11 00-0298	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	388.82	
33 31 11 00-0299	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	555.69	
33 31 11 00-0300	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	722.59	
33 31 11 00-0301	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	954.24	
33 31 11 00-0302		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bends** *(33 31 11 00-0268)*		
33 31 11 00-0303	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	36.25	
33 31 11 00-0304	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	46.23	
33 31 11 00-0305	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	73.74	
33 31 11 00-0306	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	93.53	
33 31 11 00-0307	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	131.05	
33 31 11 00-0308	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	218.59	
33 31 11 00-0309	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	320.49	
33 31 11 00-0310	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	495.14	
33 31 11 00-0311	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	669.79	
33 31 11 00-0312	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	951.74	
33 31 11 00-0313		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wyes** *(33 31 11 00-0268)*		
33 31 11 00-0314	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	69.50	
33 31 11 00-0315	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	91.08	
33 31 11 00-0316	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	166.58	
33 31 11 00-0317	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	271.25	
33 31 11 00-0318	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	456.32	
33 31 11 00-0319	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	653.16	
33 31 11 00-0320	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	949.71	
33 31 11 00-0321	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,094.59	
33 31 11 00-0322	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,239.45	
33 31 11 00-0323	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	2,267.94	
33 31 11 00-0324		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tees** *(33 31 11 00-0268)*		
33 31 11 00-0325	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	62.82	
33 31 11 00-0326	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	81.91	
33 31 11 00-0327	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	147.84	
33 31 11 00-0328	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	239.23	
33 31 11 00-0329	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	400.07	
33 31 11 00-0330	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	571.95	
33 31 11 00-0331	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	830.81	
33 31 11 00-0332	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	956.69	
33 31 11 00-0333	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,082.55	
33 31 11 00-0334	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,973.17	

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BuyBoard® Cooperative Purchasing

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 31 11 00-0335 Couplings And Plug Fittings *(33 31 11)*

33 31 11 00-0336 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0335)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0337	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	15.00	4.67
33 31 11 00-0338	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.30	5.46
33 31 11 00-0339	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.24	6.23
33 31 11 00-0340	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.10	6.62
33 31 11 00-0341	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.17	7.01
33 31 11 00-0342	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	34.29	7.80
33 31 11 00-0343	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	45.47	8.57
33 31 11 00-0344	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	57.81	8.96
33 31 11 00-0345	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	101.74	9.35
33 31 11 00-0346	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	141.95	10.13
33 31 11 00-0347	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	284.23	10.52
33 31 11 00-0348	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	331.62	11.10
33 31 11 00-0349	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	368.16	11.69
33 31 11 00-0350	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	442.42	12.47

33 31 11 00-0351 Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0335)*

Note: For ductile iron to ductile iron. Includes stainless steel clamps.

33 31 11 00-0352	EA	4" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-44)	27.27
33 31 11 00-0353	EA	5" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-54)	40.63
33 31 11 00-0354	EA	5" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-55)	37.96
33 31 11 00-0355	EA	6" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-64)	49.78
33 31 11 00-0356	EA	6" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-65)	52.57
33 31 11 00-0357	EA	6" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-66)	47.03
33 31 11 00-0358	EA	8" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-86)	73.02
33 31 11 00-0359	EA	8" x 8" Ductile Iron To Ductile, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-88)	64.77
33 31 11 00-0360	EA	10" x 8" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-10-8)	92.76
33 31 11 00-0361	EA	10" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1010)	83.18
33 31 11 00-0362	EA	12" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1210)	112.85
33 31 11 00-0363	EA	12" x 12" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1212)	97.21
33 31 11 00-0364	EA	16" x 15" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1615)	161.49

33 31 11 00-0365 Cast Iron Service Saddles With U Bolt *(33 31 11)*

33 31 11 00-0366	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	80.56
33 31 11 00-0367	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	81.27
33 31 11 00-0368	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	88.90
33 31 11 00-0369	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	87.05
33 31 11 00-0370	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	99.50
33 31 11 00-0371	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	113.72
33 31 11 00-0372	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	135.41
33 31 11 00-0373	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	117.06
33 31 11 00-0374	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	128.09
33 31 11 00-0375	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	146.86
33 31 11 00-0376	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	91.02
33 31 11 00-0377	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	98.65
33 31 11 00-0378	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	123.00
33 31 11 00-0379	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	146.81
33 31 11 00-0380	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	161.06

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 In-Line Sewage Grinder, Single Shaft Design *(33 32 16)*

33 32 16 00-0002	EA	In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	13,769.86	890.40
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0003	EA	In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	13,769.86	890.40
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0004	EA	In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	13,769.86	890.40
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0005	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	22,265.78	890.40
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0006	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	30,347.26	890.40
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0007	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000	80,863.29	
33 32 16 00-0008	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000	90,699.36	
33 32 16 00-0009	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600	322,871.41	

33 32 16 00-0010 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0011	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,937.75	226.34
33 32 16 00-0012	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,907.05	226.34
33 32 16 00-0013	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	947.96	75.42
33 32 16 00-0014	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,518.45	75.42
33 32 16 00-0015	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	14,032.75	

33 32 16 00-0016 In-Line Sewage Grinder, Double Shaft Design *(33 32 16)*

33 32 16 00-0017	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	14,009.05	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0018	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,251.17	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0019	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,729.55	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0020	EA	10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	18,111.96	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0021	EA	12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	19,960.34	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0022	EA	12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	40,535.26	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0023	EA	16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	46,702.05	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0024	EA	18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	49,098.67	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0025	EA	Up To 8" Cutter Cartridge Replacement For Series 30000	100,751.44	
33 32 16 00-0026	EA	10" To 12" Cutter Cartridge Replacement For Series 30000	162,152.01	
33 32 16 00-0027	EA	12" Cutter Cartridge Replacement For Series 40000	342,340.24	
33 32 16 00-0028	EA	16" Cutter Cartridge Replacement For Series 40000	404,735.20	
33 32 16 00-0029	EA	18" Cutter Cartridge Replacement For Series 40000	428,983.93	

33 32 16 00-0030 Open Channel Sewage, Double Shaft Design *(33 32 16)*

33 32 16 00-0031	EA	Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000	26,516.70	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0032	EA	Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000	28,884.90	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0033	EA	Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000	31,253.10	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0034	EA	Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000	37,695.79	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0035	EA	Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000	40,850.23	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0036	EA	Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000	43,869.68	890.40
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0037	EA	For Cutter Cartridge Replacement For Series 30000, 40"	184,495.83	
33 32 16 00-0038	EA	For Cutter Cartridge Replacement For Series 30000, 50"	206,360.42	
33 32 16 00-0039	EA	For Cutter Cartridge Replacement For Series 30000, 60"	230,621.14	
33 32 16 00-0040	EA	For Cutter Cartridge Replacement For Series 40000, 18"	255,480.88	
33 32 16 00-0041	EA	For Cutter Cartridge Replacement For Series 40000, 24"	298,311.53	
33 32 16 00-0042	EA	For Cutter Cartridge Replacement For Series 40000, 32"	331,857.21	

33 32 16 00-0043 Monoflo TR Muncher *(33 32 16)*

Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.

33 32 16 00-0044	EA	CT203P Monoflo TR Muncher 4" Ports with 12" Throat	40,508.43	296.85
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0045	EA	CT203Q Monoflo TR Muncher 6" Ports with 12" Throat	40,508.43	296.85
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0046	EA	CT203R Monoflo TR Muncher 8" Ports with 12" Throat	41,164.36	296.85
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0047	EA	CT203S Monoflo TR Muncher 10" Ports with 12" Throat	47,330.05	296.85
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0048	EA	CT203T Monoflo TR Muncher 12" Ports with 12" Throat	50,609.68	296.85
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0049	EA	Monoflo TR Muncher Control Panel (MF-511)	9,069.01	74.21
33 32 16 00-0050	EA	Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only	20,963.36	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0051	EA	Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only	22,039.08	
		For 5mm Thick Cutters, Add	*950.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	3,952.68	446.82
		For Non-Traffic Rated, Deduct	*-850.99*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	4,801.14	493.22
		For Non-Traffic Rated, Deduct	*-1,048.90*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	5,614.75	539.53
		For Non-Traffic Rated, Deduct	*-1,238.09*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,331.76	586.46
		For Non-Traffic Rated, Deduct	*-1,653.45*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	8,608.44	809.86
		For Non-Traffic Rated, Deduct	*-1,904.39*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	24,083.59	1,117.05
		For Non-Traffic Rated, Deduct	*-5,678.34*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	44,210.24	1,675.58
		For Non-Traffic Rated, Deduct	*-10,540.18*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	49,045.78	2,345.80
		For Non-Traffic Rated, Deduct	*-11,547.77*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	60,210.32	2,806.63
		For Non-Traffic Rated, Deduct	*-14,196.18*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	70,930.67	3,476.85
		For Non-Traffic Rated, Deduct	*-16,662.16*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,582.28	335.11
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,338.26	446.82
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,267.07	404.97
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	10,745.57	438.40
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	13,427.15	607.67
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	21,430.29	837.79
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	31,788.90	1,256.68
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	43,627.53	1,759.36
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	53,581.74	2,102.81

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,188.00	138.89
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,920.83	156.25
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,712.54	190.98
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,766.05	208.34
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,230.37	225.70
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,920.24	243.07
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,761.05	173.62
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,980.85	208.34
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,536.46	225.70
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,188.74	243.07

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	724.79	65.53
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,034.29	93.09
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,377.52	111.71
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,234.25	186.17
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,281.97	260.65

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	316.47	49.50
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	365.81	59.40
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	689.02	69.29
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,386.77	118.79

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	854.88	49.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,030.36	67.86

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	17.14	3.44
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	22.79	3.72
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	31.74	4.05
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	47.48	4.47

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,228.27
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,274.12
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,104.49

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0274 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	3.53	2.49
		For <100, Add	*0.55*	
		For >1,000, Deduct	*-0.30*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	5.00	2.67
		For <100, Add	*0.65*	
		For >1,000, Deduct	*-0.38*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.92	2.80
		For <100, Add	*0.77*	
		For >1,000, Deduct	*-0.49*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.49	2.89
		For <100, Add	*0.96*	
		For >1,000, Deduct	*-0.67*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	12.63	3.15
		For <100, Add	*1.10*	
		For >1,000, Deduct	*-0.79*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.37	3.56
		For <100, Add	*1.40*	
		For >1,000, Deduct	*-1.05*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	28.44	6.82
		For <100, Add	*2.45*	
		For >1,000, Deduct	*-1.76*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	41.25	7.49
		For <100, Add	*3.19*	
		For >1,000, Deduct	*-2.44*	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	3.38	2.49
		For <100, Add	*0.54*	
		For >1,000, Deduct	*-0.29*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	4.93	2.67
		For <100, Add	*0.65*	
		For >1,000, Deduct	*-0.38*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	9.75	2.80
		For <100, Add	*0.91*	
		For >1,000, Deduct	*-0.63*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	11.98	2.89
		For <100, Add	*1.03*	
		For >1,000, Deduct	*-0.74*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.26	3.15
		For <100, Add	*1.19*	
		For >1,000, Deduct	*-0.87*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.19	3.56
		For <100, Add	*1.39*	
		For >1,000, Deduct	*-1.04*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.36	6.82
		For <100, Add	*2.39*	
		For >1,000, Deduct	*-1.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	39.54	7.49
		For <100, Add	*3.10*	
		For >1,000, Deduct	*-2.35*	
33 41 16 13-0021		Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*		
		Note: Excludes couplings and gaskets.		
33 41 16 13-0022		Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	23.17	13.50
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	27.38	15.75
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	40.71	19.13
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.74	23.63
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	72.80	28.13
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	144.08	36.76
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	175.49	49.50
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	310.49	56.26
33 41 16 13-0031		Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	23.61	13.50
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	28.80	15.75
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	55.61	19.13
33 41 16 13-0035		45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	15.59	9.00
33 41 16 13-0037		90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	16.04	9.00
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	20.10	10.51
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	28.21	12.75
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	36.57	15.75
33 41 16 13-0042		Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 *(33 41 16 13)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.71	2.68
		For <100, Add	*0.69*	
		For >1,000, Deduct	*-0.42*	
33 41 16 13-0044	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	8.44	3.22
		For <100, Add	*0.91*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0045	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	13.77	4.03
		For <100, Add	*1.29*	
		For >1,000, Deduct	*-0.89*	
33 41 16 13-0046	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	23.67	4.19
		For <100, Add	*1.81*	
		For >1,000, Deduct	*-1.39*	
33 41 16 13-0047	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	30.65	4.57
		For <100, Add	*2.22*	
		For >1,000, Deduct	*-1.76*	
33 41 16 13-0048	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	42.97	5.15
		For <100, Add	*2.92*	
		For >1,000, Deduct	*-2.41*	
33 41 16 13-0049		Perforated Non-Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*		
33 41 16 13-0050	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	27.98	6.60
		For Extra Strength, Add	*2.18*	
		For >1,000, Deduct	*-1.40*	
33 41 16 13-0051	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	33.36	7.33
		For Extra Strength, Add	*2.69*	
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0052	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	38.15	8.07
		For Extra Strength, Add	*3.13*	
		For >1,000, Deduct	*-1.91*	
33 41 16 13-0053	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	45.94	8.80
		For Extra Strength, Add	*3.92*	
		For >1,000, Deduct	*-2.30*	
33 41 16 13-0054		Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0055	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	21.22	6.60
		For >1,000, Deduct	*-1.06*	
33 41 16 13-0056	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	23.44	7.33
		For >1,000, Deduct	*-1.17*	
33 41 16 13-0057	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	25.90	8.07
		For >1,000, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0058	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.27	8.38
		For >1,000, Deduct	*-1.51*	
33 41 16 13-0059	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	35.93	9.42
		For >1,000, Deduct	*-1.80*	
33 41 16 13-0060	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	44.29	12.04
		For >1,000, Deduct	*-2.21*	
33 41 16 13-0061	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	55.07	15.44
		For >1,000, Deduct	*-2.75*	
33 41 16 13-0062	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	67.27	18.86
		For >1,000, Deduct	*-3.36*	

33 41 16 13-0063 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0064	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	18.99	6.60
		For >1,000, Deduct	*-0.95*	
33 41 16 13-0065	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	25.91	7.33
		For >1,000, Deduct	*-1.30*	
33 41 16 13-0066	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	34.84	8.07
		For >1,000, Deduct	*-1.74*	
33 41 16 13-0067	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	43.96	8.80
		For >1,000, Deduct	*-2.20*	
33 41 16 13-0068	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	50.85	9.78
		For >1,000, Deduct	*-2.54*	
33 41 16 13-0069	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	66.70	12.21
		For >1,000, Deduct	*-3.34*	

33 41 16 13-0070 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0071	LF	4" Perforated Vitrified Clay Drainage Pipe	17.77	7.33
33 41 16 13-0072	LF	6" Perforated Vitrified Clay Drainage Pipe	22.13	8.25
33 41 16 13-0073	LF	8" Perforated Vitrified Clay Drainage Pipe	27.31	8.25
33 41 16 13-0074	LF	10" Perforated Vitrified Clay Drainage Pipe	38.34	10.08
33 41 16 13-0075	LF	12" Perforated Vitrified Clay Drainage Pipe	47.32	10.99

33 41 16 13-0076 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0077	LF	3" Geotextile Filter Fabric Sock	0.63	
33 41 16 13-0078	LF	4" Geotextile Filter Fabric Sock	0.84	
33 41 16 13-0079	LF	6" Geotextile Filter Fabric Sock	1.26	
33 41 16 13-0080	LF	8" Geotextile Filter Fabric Sock	1.70	
33 41 16 13-0081	LF	10" Geotextile Filter Fabric Sock	2.71	
33 41 16 13-0082	LF	12" Geotextile Filter Fabric Sock	3.91	
33 41 16 13-0083	LF	15" Geotextile Filter Fabric Sock	4.92	

33 41 16 13-0084 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0085	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	19.89	3.14
		For Full Perforated, Add	*1.36*	
33 41 16 13-0086	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.55	3.81
		For Full Perforated, Add	*1.79*	
33 41 16 13-0087	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.17	4.84
		For Full Perforated, Add	*2.25*	
33 41 16 13-0088	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	34.95	5.72
		For Full Perforated, Add	*2.35*	
33 41 16 13-0089	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.40	5.92
		For Full Perforated, Add	*2.96*	
33 41 16 13-0090	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	47.97	6.13
		For Full Perforated, Add	*3.57*	
33 41 16 13-0091	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	55.73	6.61
		For Full Perforated, Add	*4.25*	

33 41 16 13-0092 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0093	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	22.08	3.14
		For Full Perforated, Add	*1.58*	
33 41 16 13-0094	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.52	3.81
		For Full Perforated, Add	*2.09*	
33 41 16 13-0095	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.79	4.84
		For Full Perforated, Add	*2.61*	
33 41 16 13-0096	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	38.47	5.72
		For Full Perforated, Add	*2.71*	
33 41 16 13-0097	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	45.75	5.92
		For Full Perforated, Add	*3.39*	
33 41 16 13-0098	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	53.14	6.13
		For Full Perforated, Add	*4.09*	
33 41 16 13-0099	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	61.75	6.61
		For Full Perforated, Add	*4.85*	

33 41 16 13-0100 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0101	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	22.79	3.14
		For Full Perforated, Add	*1.65*	
33 41 16 13-0102	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	29.43	3.81
		For Full Perforated, Add	*2.18*	
33 41 16 13-0103	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.95	4.84
		For Full Perforated, Add	*2.73*	
33 41 16 13-0104	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	47.16	5.72
		For Full Perforated, Add	*3.57*	
33 41 16 13-0105	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	56.57	5.92
		For Full Perforated, Add	*4.47*	
33 41 16 13-0106	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	66.25	6.13
		For Full Perforated, Add	*5.40*	
33 41 16 13-0107	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	77.05	6.61
		For Full Perforated, Add	*6.38*	

33 41 16 13-0108 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0109 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0108)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0110	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	9.77	1.34
		For External Typar Geotextile Wrap, Add	*2.23*	
33 41 16 13-0111	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	47.12	
33 41 16 13-0112	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	47.12	
33 41 16 13-0113	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	98.72	
33 41 16 13-0114	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	98.72	
33 41 16 13-0115	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	16.44	1.67
		For External Typar Geotextile Wrap, Add	*3.34*	
33 41 16 13-0116	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	73.61	
33 41 16 13-0117	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	73.61	
33 41 16 13-0118	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	132.20	
33 41 16 13-0119	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	132.20	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 13 Underslab Drainage Piping *(33 41 19)*

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	53.06
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	51.66
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	51.11
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	50.27

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	43.73	8.80
		For >1,000, Deduct	*-2.19*	
		For Class 4, Add	*2.96*	
		For Class 5, Add	*6.23*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	53.90	9.78
		For >1,000, Deduct	*-2.70*	
		For Class 4, Add	*3.79*	
		For Class 5, Add	*7.98*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	59.42	12.21
		For >1,000, Deduct	*-2.97*	
		For Class 4, Add	*3.99*	
		For Class 5, Add	*8.40*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	76.55	15.40
		For >1,000, Deduct	*-3.83*	
		For Class 4, Add	*5.18*	
		For Class 5, Add	*10.91*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	88.44	18.70
		For >1,000, Deduct	*-4.42*	
		For Class 4, Add	*5.86*	
		For Class 5, Add	*12.35*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	112.34	24.10
		For >1,000, Deduct	*-5.62*	
		For Class 4, Add	*7.40*	
		For Class 5, Add	*15.58*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	120.24	24.88
		For >1,000, Deduct	*-6.01*	
		For Class 4, Add	*8.01*	
		For Class 5, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	154.26	28.28
		For >1,000, Deduct	*-7.71*	
		For Class 4, Add	*10.86*	
		For Class 5, Add	*22.86*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	209.35	31.10
		For >1,000, Deduct	*-10.47*	
		For Class 4, Add	*15.71*	
		For Class 5, Add	*33.07*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	254.60	34.63
		For >1,000, Deduct	*-12.73*	
		For Class 4, Add	*19.49*	
		For Class 5, Add	*41.02*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	322.87	39.59
		For >1,000, Deduct	*-16.14*	
		For Class 4, Add	*25.30*	
		For Class 5, Add	*53.26*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	393.14	45.92
		For >1,000, Deduct	*-19.66*	
		For Class 4, Add	*31.12*	
		For Class 5, Add	*65.51*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	640.61	50.90
		For >1,000, Deduct	*-32.03*	
		For Class 4, Add	*53.98*	
		For Class 5, Add	*113.65*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	753.75	55.42
		For >1,000, Deduct	*-37.69*	
		For Class 4, Add	*64.09*	
		For Class 5, Add	*134.92*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	913.80	62.20
		For >1,000, Deduct	*-45.69*	
		For Class 4, Add	*78.35*	
		For Class 5, Add	*164.95*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,196.12	69.27
		For >1,000, Deduct	*-59.81*	
		For Class 4, Add	*104.23*	
		For Class 5, Add	*219.43*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	70.67	14.06
		For >1,000, Deduct	*-3.53*	
		For Horizontal Elliptical - II (HE- II), Add	*5.06*	
		For Horizontal Elliptical - III (HE- III), Add	*11.13*	
		For Horizontal Elliptical - IV (HE- IV), Add	*24.28*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	114.01	16.23
		For >1,000, Deduct	*-5.70*	
		For Horizontal Elliptical - II (HE- II), Add	*9.08*	
		For Horizontal Elliptical - III (HE- III), Add	*19.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*43.59*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	154.34	24.87
		For >1,000, Deduct	*-7.72*	
		For Horizontal Elliptical - II (HE- II), Add	*11.88*	
		For Horizontal Elliptical - III (HE- III), Add	*26.14*	
		For Horizontal Elliptical - IV (HE- IV), Add	*57.03*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	178.62	32.05
		For >1,000, Deduct	*-8.93*	
		For Horizontal Elliptical - II (HE- II), Add	*13.28*	
		For Horizontal Elliptical - III (HE- III), Add	*29.22*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.76*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	190.51	33.48
		For >1,000, Deduct	*-9.53*	
		For Horizontal Elliptical - II (HE- II), Add	*14.27*	
		For Horizontal Elliptical - III (HE- III), Add	*31.39*	
		For Horizontal Elliptical - IV (HE- IV), Add	*68.49*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	224.00	35.36
		For >1,000, Deduct	*-11.20*	
		For Horizontal Elliptical - II (HE- II), Add	*17.35*	
		For Horizontal Elliptical - III (HE- III), Add	*38.17*	
		For Horizontal Elliptical - IV (HE- IV), Add	*83.28*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	257.50	37.22
		For >1,000, Deduct	*-12.88*	
		For Horizontal Elliptical - II (HE- II), Add	*20.43*	
		For Horizontal Elliptical - III (HE- III), Add	*44.95*	
		For Horizontal Elliptical - IV (HE- IV), Add	*98.07*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	321.36	40.96
		For >1,000, Deduct	*-16.07*	
		For Horizontal Elliptical - II (HE- II), Add	*26.29*	
		For Horizontal Elliptical - III (HE- III), Add	*57.83*	
		For Horizontal Elliptical - IV (HE- IV), Add	*126.17*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	392.83	46.06
		For >1,000, Deduct	*-19.64*	
		For Horizontal Elliptical - II (HE- II), Add	*32.70*	
		For Horizontal Elliptical - III (HE- III), Add	*71.94*	
		For Horizontal Elliptical - IV (HE- IV), Add	*156.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	446.83	52.65
		For >1,000, Deduct	*-22.34*	
		For Horizontal Elliptical - II (HE- II), Add	*37.16*	
		For Horizontal Elliptical - III (HE- III), Add	*81.75*	
		For Horizontal Elliptical - IV (HE- IV), Add	*178.37*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	560.45	61.08
		For >1,000, Deduct	*-28.02*	
		For Horizontal Elliptical - II (HE- II), Add	*47.32*	
		For Horizontal Elliptical - III (HE- III), Add	*104.10*	
		For Horizontal Elliptical - IV (HE- IV), Add	*227.14*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	643.80	67.29
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	794.29	73.51
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	957.62	83.13
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,032.61	92.18
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,358.97	96.70
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,593.44	101.23

33 42 11 00-0037 Concrete Reducing Wye Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	660.89	33.52
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	791.27	40.85
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	987.55	45.04
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,126.11	55.52
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,265.38	67.04

33 42 11 00-0043 Concrete Pipe Joint Gaskets *(33 42 11 00-0001)*

33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.91	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.47	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.45	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	13.41	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.95	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	16.42	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	20.06	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	23.26	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	26.83	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	32.88	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	48.67	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	50.60	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	52.46	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	60.42	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	72.43	

33 42 11 00-0060 Couplings *(33 42 11 00-0001)*

33 42 11 00-0061 Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 42 11 00-0060)*

Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.

33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	29.80	
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.27	
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	48.16	
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	50.19	
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	46.30	
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	73.02	
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	62.45	
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	92.76	
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	81.60	
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	112.80	
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	93.48	
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	301.94	

33 42 11 00-0074 Precast Concrete Cut Off Wall *(33 42 11 00-0001)*

33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	172.49	99.53
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	212.43	123.28
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	261.43	156.08
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	308.16	186.61
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	353.70	215.96
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	429.91	275.97
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	550.30	380.02
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	682.37	479.55
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	836.66	601.59
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	933.39	678.04
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,040.19	760.04
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,147.80	844.30
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,193.16	876.53
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,233.12	904.81
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,273.06	933.08
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,314.47	961.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0091		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	200.04	
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	286.71	
33 42 11 00-0094		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0095		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0094)*		
33 42 11 00-0096		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0095)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0097	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	146.84	8.80
		For >1,000, Deduct	*-7.34*	
		For 100 PSI, Deduct	*-33.57*	
33 42 11 00-0098	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	156.03	9.78
		For >1,000, Deduct	*-7.80*	
		For 100 PSI, Deduct	*-35.51*	
33 42 11 00-0099	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	167.25	12.21
		For >1,000, Deduct	*-8.36*	
		For 100 PSI, Deduct	*-37.45*	
33 42 11 00-0100	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	179.59	15.40
		For >1,000, Deduct	*-8.98*	
		For 100 PSI, Deduct	*-39.40*	
33 42 11 00-0101	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	192.07	18.70
		For >1,000, Deduct	*-9.60*	
		For 100 PSI, Deduct	*-41.34*	
33 42 11 00-0102	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	221.11	24.88
		For >1,000, Deduct	*-11.06*	
		For 100 PSI, Deduct	*-46.29*	
33 42 11 00-0103	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	244.91	28.28
		For >1,000, Deduct	*-12.25*	
		For 100 PSI, Deduct	*-51.23*	
33 42 11 00-0104	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	287.08	31.10
		For >1,000, Deduct	*-14.35*	
		For 100 PSI, Deduct	*-60.77*	
33 42 11 00-0105	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	330.74	34.63
		For >1,000, Deduct	*-16.54*	
		For 100 PSI, Deduct	*-70.31*	
33 42 11 00-0106	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	445.62	48.78
		For >1,000, Deduct	*-22.28*	
		For 100 PSI, Deduct	*-93.99*	
33 42 11 00-0107	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	540.16	56.58
		For >1,000, Deduct	*-27.01*	
		For 100 PSI, Deduct	*-114.83*	
33 42 11 00-0108	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	608.59	62.71
		For >1,000, Deduct	*-30.43*	
		For 100 PSI, Deduct	*-129.85*	
33 42 11 00-0109	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	680.54	68.29
		For >1,000, Deduct	*-34.03*	
		For 100 PSI, Deduct	*-145.75*	
33 42 11 00-0110	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	774.01	76.64
		For >1,000, Deduct	*-38.70*	
		For 100 PSI, Deduct	*-166.07*	
33 42 11 00-0111	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	867.47	85.36
		For >1,000, Deduct	*-43.37*	
		For 100 PSI, Deduct	*-186.38*	
33 42 11 00-0112	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,079.16	99.64
		For >1,000, Deduct	*-53.96*	
		For 100 PSI, Deduct	*-234.08*	
33 42 11 00-0113	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,275.55	113.79
		For >1,000, Deduct	*-63.78*	
		For 100 PSI, Deduct	*-278.25*	
33 42 11 00-0114	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,504.15	125.42
		For >1,000, Deduct	*-75.21*	
		For 100 PSI, Deduct	*-331.25*	
33 42 11 00-0115	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,709.57	133.18
		For >1,000, Deduct	*-85.48*	
		For 100 PSI, Deduct	*-379.83*	
33 42 11 00-0116	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,091.66	140.95
		For >1,000, Deduct	*-104.58*	
		For 100 PSI, Deduct	*-472.58*	
33 42 11 00-0117	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,455.15	148.05
		For >1,000, Deduct	*-122.76*	
		For 100 PSI, Deduct	*-560.91*	
33 42 11 00-0118	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,684.38	155.16
		For >1,000, Deduct	*-134.22*	
		For 100 PSI, Deduct	*-615.68*	
33 42 11 00-0119	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,917.13	162.27
		For >1,000, Deduct	*-145.86*	
		For 100 PSI, Deduct	*-671.33*	
33 42 11 00-0120	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,148.12	169.38
		For >1,000, Deduct	*-157.41*	
		For 100 PSI, Deduct	*-726.54*	
33 42 11 00-0121	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,379.10	176.49
		For >1,000, Deduct	*-168.96*	
		For 100 PSI, Deduct	*-781.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0122		**150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets** *(33 42 11 00-0095)*		
33 42 11 00-0123	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	345.17	82.48
33 42 11 00-0124	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	468.87	117.83
33 42 11 00-0125	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	589.82	157.11
33 42 11 00-0126	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	710.78	196.39
33 42 11 00-0127	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	849.01	244.05
33 42 11 00-0128	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,105.30	327.31
33 42 11 00-0129	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,356.88	395.85
33 42 11 00-0130	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,577.70	462.02
33 42 11 00-0131	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,758.74	527.62
33 42 11 00-0132	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,141.77	658.81
33 42 11 00-0133	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,896.06	975.51
33 42 11 00-0134	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,208.84	1,080.02
33 42 11 00-0135	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,521.64	1,184.54
33 42 11 00-0136	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,462.83	1,358.74
33 42 11 00-0137	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,400.16	1,532.94
33 42 11 00-0138	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,487.73	1,741.98
33 42 11 00-0139	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,571.45	1,951.01
33 42 11 00-0140	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,447.99	2,521.35
33 42 11 00-0141	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	13,216.69	3,025.62
33 42 11 00-0142	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	16,982.57	4,034.16
33 42 11 00-0143	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,700.69	5,042.70
33 42 11 00-0144	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,830.93	5,438.91
33 42 11 00-0145	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	26,963.85	5,835.12
33 42 11 00-0146	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	37,769.58	6,231.34
33 42 11 00-0147	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,302.19	6,627.54
33 42 11 00-0148		**150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets** *(33 42 11 00-0095)*		
33 42 11 00-0149	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	309.13	82.48
33 42 11 00-0150	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	422.23	117.83
33 42 11 00-0151	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	534.70	157.11
33 42 11 00-0152	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	647.18	196.39
33 42 11 00-0153	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	776.93	244.05
33 42 11 00-0154	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,006.37	305.32
33 42 11 00-0155	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,243.81	395.85
33 42 11 00-0156	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,446.97	462.02
33 42 11 00-0157	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,618.11	527.62
33 42 11 00-0158	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,959.97	658.81
33 42 11 00-0159	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,705.72	975.51
33 42 11 00-0160	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,004.71	1,080.02
33 42 11 00-0161	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,303.72	1,184.54
33 42 11 00-0162	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,954.14	1,358.74
33 42 11 00-0163	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,600.71	1,532.94
33 42 11 00-0164	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,478.83	1,741.98
33 42 11 00-0165	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,353.10	1,951.01
33 42 11 00-0166	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,488.11	2,438.77
33 42 11 00-0167	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,845.63	3,025.62
33 42 11 00-0168	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,034.62	4,034.16
33 42 11 00-0169	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,175.87	5,042.70
33 42 11 00-0170	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	19,530.02	5,438.91
33 42 11 00-0171	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	21,886.86	6,627.54
33 42 11 00-0172	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,260.06	6,231.34
33 42 11 00-0173	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	26,828.02	6,627.54
33 42 11 00-0174		**400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0094)*		
33 42 11 00-0175		**400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0174)*		
		Note: AWWA C301		
33 42 11 00-0176	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	267.59	24.88
		For >1,000, Deduct	*-13.38*	
33 42 11 00-0177	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	330.73	28.28
		For >1,000, Deduct	*-16.54*	
33 42 11 00-0178	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	388.96	31.10
		For >1,000, Deduct	*-19.45*	
33 42 11 00-0179		**400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints** *(33 42 11 00-0174)*		
		Note: AWWA C301		
33 42 11 00-0180	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	535.39	34.61
		For >1,000, Deduct	*-26.77*	
33 42 11 00-0181	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	642.05	48.78
		For >1,000, Deduct	*-32.10*	
33 42 11 00-0182	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	739.67	56.58
		For >1,000, Deduct	*-36.98*	
33 42 11 00-0183	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	834.50	62.71
		For >1,000, Deduct	*-41.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0184	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,021.02	68.29
		For >1,000, Deduct	*-51.05*	

33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0174)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0186	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,390.02
33 42 11 00-0187	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,567.06
33 42 11 00-0188	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,655.57
33 42 11 00-0189	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	3,009.65
33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	3,098.17
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,275.21
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,363.73
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,452.25
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26

33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

33 42 11 00-0203	EA	30" Quick Test Joint	606.32
33 42 11 00-0204	EA	36" Quick Test Joint	609.14
33 42 11 00-0205	EA	42" Quick Test Joint	611.98
33 42 11 00-0206	EA	48" Quick Test Joint	622.53
33 42 11 00-0207	EA	54" Quick Test Joint	648.77
33 42 11 00-0208	EA	60" Quick Test Joint	668.60
33 42 11 00-0209	EA	66" Quick Test Joint	701.31
33 42 11 00-0210	EA	72" Quick Test Joint	734.03

33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint	13,082.89
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint	13,587.16
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint	14,091.44
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint	14,595.71
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint	15,113.12
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint	15,872.25
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint	16,380.67
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint	17,540.98

33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint	2,051.03
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint	2,354.72
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint	3,210.02
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint	3,664.15
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint	4,131.41
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint	4,689.96
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint	5,198.38
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint	5,807.10

33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair	4,411.23
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair	5,481.03
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair	9,741.62

33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair	15,399.93
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair	18,009.13
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair	20,627.35
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair	23,319.75
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair	28,463.87

33 42 11 00-0241 Tapping For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0094)*

33 42 11 00-0242 Tapping Assembly For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0243	EA	4" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,104.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0244	EA	6" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,200.51	
33 42 11 00-0245	EA	8" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,673.60	
33 42 11 00-0246	EA	10" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,175.29	
33 42 11 00-0247	EA	12" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,507.72	
33 42 11 00-0248	EA	4" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,143.75	
33 42 11 00-0249	EA	6" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,481.52	
33 42 11 00-0250	EA	8" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,644.52	
33 42 11 00-0251	EA	10" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	4,305.88	
33 42 11 00-0252	EA	12" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	5,535.40	
33 42 11 00-0253	EA	4" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,152.83	
33 42 11 00-0254	EA	6" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,371.65	
33 42 11 00-0255	EA	8" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,887.93	
33 42 11 00-0256	EA	10" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	4,979.78	
33 42 11 00-0257	EA	12" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	4,947.77	
33 42 11 00-0258	EA	6" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	31,086.35	
33 42 11 00-0259	EA	8" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	4,210.19	

33 42 11 00-0260 Tapping Assembly And Gland Insert For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0261	EA	3/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	615.56	
33 42 11 00-0262	EA	1" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	652.53	
33 42 11 00-0263	EA	1-1/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	734.38	
33 42 11 00-0264	EA	1-1/2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	663.94	
33 42 11 00-0265	EA	2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	664.10	
33 42 11 00-0266	EA	3/4" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	637.09	
33 42 11 00-0267	EA	1" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	712.49	
33 42 11 00-0268	EA	1-1/2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	673.13	
33 42 11 00-0269	EA	2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	673.13	
33 42 11 00-0270	EA	1" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	725.32	
33 42 11 00-0271	EA	1-1/4" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	746.58	
33 42 11 00-0272	EA	1-1/2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	753.99	
33 42 11 00-0273	EA	2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	762.47	

33 42 11 00-0274 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0275 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0276 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0277	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	9.76	4.03
		For <100, Add	*1.61*	
		For >1,000, Deduct	*-0.89*	
33 42 11 00-0278	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.69	4.68
		For <100, Add	*1.87*	
		For >1,000, Deduct	*-1.15*	
33 42 11 00-0279	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.37	5.45
		For <100, Add	*2.18*	
		For >1,000, Deduct	*-1.41*	
33 42 11 00-0280	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	20.62	5.64
		For <100, Add	*2.26*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0281	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.83	5.84
		For <100, Add	*2.34*	
		For >1,000, Deduct	*-1.68*	
33 42 11 00-0282	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	25.69	6.05
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-1.89*	
33 42 11 00-0283	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.81	6.27
		For <100, Add	*2.51*	
		For >1,000, Deduct	*-2.27*	
33 42 11 00-0284	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.97	7.35
		For <100, Add	*2.94*	
		For >1,000, Deduct	*-3.08*	
33 42 11 00-0285	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	67.47	9.89
		For <100, Add	*3.95*	
		For >1,000, Deduct	*-4.36*	
33 42 11 00-0286	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.49	12.49
		For <100, Add	*5.00*	
		For >1,000, Deduct	*-5.72*	

33 42 11 00-0287 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0288	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.65	5.84
		For <100, Add	*2.34*	
		For >1,000, Deduct	*-1.67*	
33 42 11 00-0289	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.40	6.05
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-1.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0290	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.88	6.27
		For <100, Add	*2.51*	
		For >1,000, Deduct	*-2.32*	
33 42 11 00-0291	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	48.67	7.35
		For <100, Add	*2.94*	
		For >1,000, Deduct	*-3.17*	
33 42 11 00-0292	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	72.12	9.89
		For <100, Add	*3.95*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0293	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	92.95	12.49
		For <100, Add	*5.00*	
		For >1,000, Deduct	*-5.90*	
33 42 11 00-0294	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	125.36	13.63
		For <100, Add	*5.45*	
		For >1,000, Deduct	*-7.63*	
33 42 11 00-0295	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	135.89	15.37
		For <100, Add	*6.15*	
		For >1,000, Deduct	*-8.33*	

33 42 11 00-0296 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0297 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0298	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.65	4.03
		For <100, Add	*1.61*	
		For >1,000, Deduct	*-0.94*	
33 42 11 00-0299	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.72	4.68
		For <100, Add	*1.87*	
		For >1,000, Deduct	*-1.15*	
33 42 11 00-0300	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.37	5.45
		For <100, Add	*2.18*	
		For >1,000, Deduct	*-1.41*	
33 42 11 00-0301	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	20.65	5.64
		For <100, Add	*2.26*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0302	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.83	5.84
		For <100, Add	*2.34*	
		For >1,000, Deduct	*-1.68*	
33 42 11 00-0303	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	25.72	6.05
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-1.89*	
33 42 11 00-0304	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.84	6.27
		For <100, Add	*2.51*	
		For >1,000, Deduct	*-2.27*	
33 42 11 00-0305	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.97	7.35
		For <100, Add	*2.94*	
		For >1,000, Deduct	*-3.08*	
33 42 11 00-0306	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	67.77	9.89
		For <100, Add	*3.95*	
		For >1,000, Deduct	*-4.38*	
33 42 11 00-0307	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.49	12.49
		For <100, Add	*5.00*	
		For >1,000, Deduct	*-5.72*	

33 42 11 00-0308 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0309	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.68	5.84
		For <100, Add	*2.34*	
		For >1,000, Deduct	*-1.67*	
33 42 11 00-0310	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.43	6.05
		For <100, Add	*2.42*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0311	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.91	6.27
		For <100, Add	*2.51*	
		For >1,000, Deduct	*-2.32*	
33 42 11 00-0312	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	48.67	7.35
		For <100, Add	*2.94*	
		For >1,000, Deduct	*-3.17*	
33 42 11 00-0313	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	72.12	9.89
		For <100, Add	*3.95*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0314	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	92.95	12.49
		For <100, Add	*5.00*	
		For >1,000, Deduct	*-5.90*	
33 42 11 00-0315	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	125.36	13.63
		For <100, Add	*5.45*	
		For >1,000, Deduct	*-7.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0316	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	135.89	15.37
		For <100, Add	*6.15*	
		For >1,000, Deduct	*-8.33*	

33 42 11 00-0317 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0318 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0319	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	30.25	13.50
33 42 11 00-0320	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	37.32	15.75
33 42 11 00-0321	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	56.68	19.13
33 42 11 00-0322	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	83.33	23.63
33 42 11 00-0323	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	126.29	28.13
33 42 11 00-0324	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	176.57	36.76
33 42 11 00-0325	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	252.04	49.50
33 42 11 00-0326	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	318.96	56.51
33 42 11 00-0327	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	538.59	65.26
33 42 11 00-0328	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	686.95	75.39
33 42 11 00-0329	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,123.53	90.02
33 42 11 00-0330	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,406.77	106.89

33 42 11 00-0331 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0332	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	40.78	13.50
33 42 11 00-0333	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	48.87	15.75
33 42 11 00-0334	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	63.97	19.13
33 42 11 00-0335	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	91.36	23.63
33 42 11 00-0336	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	152.14	28.13
33 42 11 00-0337	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	168.64	36.76
33 42 11 00-0338	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	236.61	49.50

33 42 11 00-0339 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0340	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	18.84	9.00
33 42 11 00-0341	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	22.91	10.51
33 42 11 00-0342	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	31.96	12.75
33 42 11 00-0343	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	40.05	15.75
33 42 11 00-0344	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	55.77	18.75
33 42 11 00-0345	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	84.87	24.01
33 42 11 00-0346	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	113.17	33.01
33 42 11 00-0347	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	200.43	37.51
33 42 11 00-0348	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	273.58	43.51
33 42 11 00-0349	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	320.19	50.26
33 42 11 00-0350	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	406.77	60.01
33 42 11 00-0351	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	544.28	71.26

33 42 11 00-0352 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0353	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	19.99	9.00
33 42 11 00-0354	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	25.31	10.51
33 42 11 00-0355	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	33.18	12.75
33 42 11 00-0356	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	50.01	15.75
33 42 11 00-0357	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	55.77	18.75
33 42 11 00-0358	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	84.67	24.01
33 42 11 00-0359	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	129.24	33.01
33 42 11 00-0360	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	212.84	37.51
33 42 11 00-0361	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	274.17	43.51
33 42 11 00-0362	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	346.93	50.26
33 42 11 00-0363	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	510.00	60.01
33 42 11 00-0364	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	636.80	71.26

33 42 11 00-0365 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0274)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0366 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0365)*

33 42 11 00-0367	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	0.69
33 42 11 00-0368	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.23
33 42 11 00-0369	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.90
33 42 11 00-0370	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.33
33 42 11 00-0371	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.51
33 42 11 00-0372	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.57
33 42 11 00-0373	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.28
33 42 11 00-0374	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0375	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.91	
33 42 11 00-0376	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	16.90	
33 42 11 00-0377	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	26.56	
33 42 11 00-0378	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	35.92	
33 42 11 00-0379		**Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0365)*		
33 42 11 00-0380	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	36.37	
33 42 11 00-0381	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	38.09	
33 42 11 00-0382	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	39.88	
33 42 11 00-0383	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	41.75	
33 42 11 00-0384	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	49.52	
33 42 11 00-0385	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	51.13	
33 42 11 00-0386	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	53.33	
33 42 11 00-0387	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	60.74	
33 42 11 00-0388	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	97.37	
33 42 11 00-0389	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	106.66	
33 42 11 00-0390	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	116.21	
33 42 11 00-0391	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	141.14	
33 42 11 00-0392		**End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0365)*		
33 42 11 00-0393	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	27.50	
33 42 11 00-0394	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	33.13	
33 42 11 00-0395	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	58.67	
33 42 11 00-0396	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	105.64	
33 42 11 00-0397	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	123.86	
33 42 11 00-0398	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	170.25	
33 42 11 00-0399	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	175.21	
33 42 11 00-0400		**Vitrified Clay Piping** *(33 42 11)*		
33 42 11 00-0401		**Extra Strength Vitrified Clay Piping** *(33 42 11 00-0400)*		
33 42 11 00-0402		**Plain Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0401)*		
		Note: ASTM C700.		
33 42 11 00-0403	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	16.39	
		For 3' Lengths, Add	*2.21*	
		For 2' Lengths, Add	*2.94*	
		For Standard Strength, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.82*	
33 42 11 00-0404	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	26.82	
		For 3' Lengths, Add	*3.43*	
		For 2' Lengths, Add	*4.58*	
		For Standard Strength, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.34*	
33 42 11 00-0405	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	33.44	
		For 3' Lengths, Add	*4.91*	
		For 2' Lengths, Add	*6.54*	
		For Standard Strength, Deduct	*-1.64*	
		For >1,000, Deduct	*-1.67*	
33 42 11 00-0406	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	42.73	
		For 3' Lengths, Add	*7.51*	
		For 2' Lengths, Add	*10.01*	
		For Standard Strength, Deduct	*-2.50*	
		For >1,000, Deduct	*-2.14*	
33 42 11 00-0407	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	54.65	
		For 3' Lengths, Add	*10.60*	
		For 2' Lengths, Add	*14.14*	
		For Standard Strength, Deduct	*-3.53*	
		For >1,000, Deduct	*-2.73*	
33 42 11 00-0408	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	87.75	
		For 3' Lengths, Add	*19.88*	
		For 2' Lengths, Add	*26.51*	
		For Standard Strength, Deduct	*-6.63*	
		For >1,000, Deduct	*-4.39*	
33 42 11 00-0409	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	121.78	
		For 3' Lengths, Add	*28.49*	
		For 2' Lengths, Add	*37.99*	
		For Standard Strength, Deduct	*-9.50*	
		For >1,000, Deduct	*-6.09*	
33 42 11 00-0410	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	185.95	
		For 3' Lengths, Add	*45.65*	
		For 2' Lengths, Add	*60.86*	
		For Standard Strength, Deduct	*-15.22*	
		For >1,000, Deduct	*-9.30*	
33 42 11 00-0411	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	239.84	
		For 3' Lengths, Add	*59.64*	
		For 2' Lengths, Add	*79.52*	
		For Standard Strength, Deduct	*-19.88*	
		For >1,000, Deduct	*-11.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0412	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	297.71	
		For 3' Lengths, Add	*74.36*	
		For 2' Lengths, Add	*99.15*	
		For Standard Strength, Deduct	*-24.79*	
		For >1,000, Deduct	*-14.89*	
33 42 11 00-0413	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	359.94	
		For 3' Lengths, Add	*89.83*	
		For 2' Lengths, Add	*119.77*	
		For Standard Strength, Deduct	*-29.94*	
		For >1,000, Deduct	*-18.00*	

33 42 11 00-0414 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0401)*

Note: ASTM C425.

33 42 11 00-0415	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	22.36	
		For 3' Lengths, Add	*2.61*	
		For 2' Lengths, Add	*3.48*	
		For Standard Strength, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.12*	
33 42 11 00-0416	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	29.57	
		For 3' Lengths, Add	*4.26*	
		For 2' Lengths, Add	*5.68*	
		For Standard Strength, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.48*	
33 42 11 00-0417	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	37.12	
		For 3' Lengths, Add	*6.01*	
		For 2' Lengths, Add	*8.01*	
		For Standard Strength, Deduct	*-2.00*	
		For >1,000, Deduct	*-1.86*	
33 42 11 00-0418	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	50.59	
		For 3' Lengths, Add	*9.87*	
		For 2' Lengths, Add	*13.16*	
		For Standard Strength, Deduct	*-3.29*	
		For >1,000, Deduct	*-2.53*	
33 42 11 00-0419	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	62.51	
		For 3' Lengths, Add	*12.96*	
		For 2' Lengths, Add	*17.28*	
		For Standard Strength, Deduct	*-4.32*	
		For >1,000, Deduct	*-3.13*	
33 42 11 00-0420	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	100.26	
		For 3' Lengths, Add	*23.63*	
		For 2' Lengths, Add	*31.51*	
		For Standard Strength, Deduct	*-7.88*	
		For >1,000, Deduct	*-5.01*	
33 42 11 00-0421	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	142.15	
		For 3' Lengths, Add	*34.61*	
		For 2' Lengths, Add	*46.14*	
		For Standard Strength, Deduct	*-11.54*	
		For >1,000, Deduct	*-7.11*	
33 42 11 00-0422	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	209.27	
		For 3' Lengths, Add	*52.64*	
		For 2' Lengths, Add	*70.19*	
		For Standard Strength, Deduct	*-17.55*	
		For >1,000, Deduct	*-10.46*	
33 42 11 00-0423	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	276.65	
		For 3' Lengths, Add	*70.68*	
		For 2' Lengths, Add	*94.24*	
		For Standard Strength, Deduct	*-23.56*	
		For >1,000, Deduct	*-13.83*	
33 42 11 00-0424	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	459.69	
		For 3' Lengths, Add	*122.96*	
		For 2' Lengths, Add	*163.94*	
		For Standard Strength, Deduct	*-40.99*	
		For >1,000, Deduct	*-22.98*	
33 42 11 00-0425	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	664.27	
		For 3' Lengths, Add	*181.13*	
		For 2' Lengths, Add	*241.50*	
		For Standard Strength, Deduct	*-60.38*	
		For >1,000, Deduct	*-33.21*	

33 42 11 00-0426 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0400)*

33 42 11 00-0427 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*

33 42 11 00-0428 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0427)*

33 42 11 00-0429	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	79.62
33 42 11 00-0430	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	111.61
33 42 11 00-0431	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	168.25
33 42 11 00-0432	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	242.39
33 42 11 00-0433	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	328.62
33 42 11 00-0434	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	846.75
33 42 11 00-0435	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,203.09
33 42 11 00-0436	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,897.28
33 42 11 00-0437	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,184.63
33 42 11 00-0438	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,528.01
33 42 11 00-0439	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,842.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0440		**Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-0427)*		
33 42 11 00-0441	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	88.07	
33 42 11 00-0442	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	132.52	
33 42 11 00-0443	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	186.99	
33 42 11 00-0444	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	262.34	
33 42 11 00-0445	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	340.34	
33 42 11 00-0446	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	945.66	
33 42 11 00-0447	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,389.18	
33 42 11 00-0448	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,409.35	
33 42 11 00-0449	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,806.00	
33 42 11 00-0450	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,108.53	
33 42 11 00-0451	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,673.88	
33 42 11 00-0452		**1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-0426)*		
33 42 11 00-0453		**Plain End 1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-0452)*		
33 42 11 00-0454	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	88.64	
33 42 11 00-0455	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	122.47	
33 42 11 00-0456	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	180.96	
33 42 11 00-0457	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	256.10	
33 42 11 00-0458	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	344.07	
33 42 11 00-0459	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	863.94	
33 42 11 00-0460	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,224.53	
33 42 11 00-0461	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,924.31	
33 42 11 00-0462	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,217.45	
33 42 11 00-0463	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,568.95	
33 42 11 00-0464	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,888.00	
33 42 11 00-0465		**Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay** *(33 42 11 00-0452)*		
33 42 11 00-0466	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	98.89	
33 42 11 00-0467	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	145.55	
33 42 11 00-0468	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	202.25	
33 42 11 00-0469	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	278.79	
33 42 11 00-0470	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	358.89	
33 42 11 00-0471	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	966.28	
33 42 11 00-0472	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,414.91	
33 42 11 00-0473	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,817.58	
33 42 11 00-0474	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,845.39	
33 42 11 00-0475	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,157.66	
33 42 11 00-0476	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,728.50	
33 42 11 00-0477		**Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-0426)*		
33 42 11 00-0478		**Plain End Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-0477)*		
33 42 11 00-0479	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	91.82	
33 42 11 00-0480	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	124.53	
33 42 11 00-0481	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	179.74	
33 42 11 00-0482	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	252.49	
33 42 11 00-0483	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	328.95	
33 42 11 00-0484	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	855.55	
33 42 11 00-0485	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,210.77	
33 42 11 00-0486	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,769.73	
33 42 11 00-0487	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,487.51	
33 42 11 00-0488	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,600.67	
33 42 11 00-0489	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,809.40	
33 42 11 00-0490		**Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-0477)*		
33 42 11 00-0491	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	113.19	
33 42 11 00-0492	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	164.44	
33 42 11 00-0493	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	226.33	
33 42 11 00-0494	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	308.56	
33 42 11 00-0495	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	395.23	
33 42 11 00-0496	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,042.15	
33 42 11 00-0497	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,522.63	
33 42 11 00-0498	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,290.23	
33 42 11 00-0499	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,052.77	
33 42 11 00-0500	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,512.87	
33 42 11 00-0501	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	5,065.00	
33 42 11 00-0502		**Vitrified Clay Couplings** *(33 42 11 00-0400)*		
33 42 11 00-0503		**Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** *(33 42 11 00-0502)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0504	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.58	
33 42 11 00-0505	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.27	
33 42 11 00-0506	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	38.85	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0507	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.37	
33 42 11 00-0508	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	48.16	
33 42 11 00-0509	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	50.32	
33 42 11 00-0510	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	45.55	
33 42 11 00-0511	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	67.90	
33 42 11 00-0512	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.45	
33 42 11 00-0513	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	90.02	
33 42 11 00-0514	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	81.60	
33 42 11 00-0515	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	112.80	
33 42 11 00-0516	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	93.48	
33 42 11 00-0517	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	194.15	
33 42 11 00-0518	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	148.10	

33 42 11 00-0519 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-0502)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0520	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	69.30	
33 42 11 00-0521	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	93.70	
33 42 11 00-0522	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	99.70	
33 42 11 00-0523	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	104.51	
33 42 11 00-0524	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	130.85	
33 42 11 00-0525	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	152.97	

33 42 11 00-0526 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-0502)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0527	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	71.31	
33 42 11 00-0528	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	95.71	
33 42 11 00-0529	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	86.77	
33 42 11 00-0530	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	116.53	
33 42 11 00-0531	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	172.95	
33 42 11 00-0532	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	196.20	

33 42 11 00-0533 Corrugated Metal Piping *(33 42 11)*

33 42 11 00-0534 Galvanized Corrugated Steel Piping *(33 42 11 00-0533)*

33 42 11 00-0535 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0536 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*

33 42 11 00-0537	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	32.33	5.50
		For Bituminous Coated Pipe, Add	*5.06*	
		For Bituminous Coated And 25% Paved, Add	*10.35*	
		For Smooth-Flo, Add	*18.48*	
33 42 11 00-0538	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.15	5.76
		For Bituminous Coated Pipe, Add	*6.37*	
		For Bituminous Coated And 25% Paved, Add	*13.03*	
		For Smooth-Flo, Add	*23.27*	
33 42 11 00-0539	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	44.14	6.28
		For Bituminous Coated Pipe, Add	*7.71*	
		For Bituminous Coated And 25% Paved, Add	*15.78*	
		For Smooth-Flo, Add	*28.18*	
33 42 11 00-0540	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	51.36	6.81
		For Bituminous Coated Pipe, Add	*9.23*	
		For Bituminous Coated And 25% Paved, Add	*18.87*	
		For Smooth-Flo, Add	*33.71*	
33 42 11 00-0541	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	57.27	7.33
		For Bituminous Coated Pipe, Add	*10.38*	
		For Bituminous Coated And 25% Paved, Add	*21.24*	
		For Smooth-Flo, Add	*37.93*	
33 42 11 00-0542	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	75.02	9.42
		For Bituminous Coated Pipe, Add	*13.47*	
		For Bituminous Coated And 25% Paved, Add	*27.56*	
		For Smooth-Flo, Add	*49.22*	
33 42 11 00-0543	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	96.62	12.44
		For Bituminous Coated Pipe, Add	*17.00*	
		For Bituminous Coated And 25% Paved, Add	*34.76*	
		For Smooth-Flo, Add	*62.08*	
33 42 11 00-0544	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	111.89	14.70
		For Bituminous Coated Pipe, Add	*20.11*	
		For Bituminous Coated And 25% Paved, Add	*41.13*	
		For Smooth-Flo, Add	*73.46*	
33 42 11 00-0545	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	125.56	16.96
		For Bituminous Coated Pipe, Add	*22.53*	
		For Bituminous Coated And 25% Paved, Add	*46.07*	
		For Smooth-Flo, Add	*82.28*	

33 42 11 00-0546 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*

33 42 11 00-0547	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	36.84	5.50
		For Bituminous Coated Pipe, Add	*5.13*	
		For Bituminous Coated And 25% Paved, Add	*11.90*	
		For Smooth-Flo, Add	*24.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0548	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	43.71	5.76
		For Bituminous Coated Pipe, Add	*6.44*	
		For Bituminous Coated And 25% Paved, Add	*14.92*	
		For Smooth-Flo, Add	*30.16*	
33 42 11 00-0549	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.87	6.28
		For Bituminous Coated Pipe, Add	*7.80*	
		For Bituminous Coated And 25% Paved, Add	*18.07*	
		For Smooth-Flo, Add	*36.53*	
33 42 11 00-0550	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	59.14	6.81
		For Bituminous Coated Pipe, Add	*9.27*	
		For Bituminous Coated And 25% Paved, Add	*21.49*	
		For Smooth-Flo, Add	*43.43*	
33 42 11 00-0551	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	66.31	7.33
		For Bituminous Coated Pipe, Add	*10.49*	
		For Bituminous Coated And 25% Paved, Add	*24.31*	
		For Smooth-Flo, Add	*49.14*	
33 42 11 00-0552	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	86.05	9.42
		For Bituminous Coated Pipe, Add	*13.48*	
		For Bituminous Coated And 25% Paved, Add	*31.22*	
		For Smooth-Flo, Add	*63.11*	
33 42 11 00-0553	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	110.01	12.44
		For Bituminous Coated Pipe, Add	*16.89*	
		For Bituminous Coated And 25% Paved, Add	*39.13*	
		For Smooth-Flo, Add	*79.10*	
33 42 11 00-0554	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	127.22	14.70
		For Bituminous Coated Pipe, Add	*19.88*	
		For Bituminous Coated And 25% Paved, Add	*46.07*	
		For Smooth-Flo, Add	*93.11*	
33 42 11 00-0555	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	143.10	16.96
		For Bituminous Coated Pipe, Add	*22.35*	
		For Bituminous Coated And 25% Paved, Add	*51.77*	
		For Smooth-Flo, Add	*104.65*	
33 42 11 00-0556	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	173.30	19.23
		For Bituminous Coated Pipe, Add	*27.48*	
		For Bituminous Coated And 25% Paved, Add	*63.67*	
		For Smooth-Flo, Add	*128.69*	
33 42 11 00-0557		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*		
33 42 11 00-0558	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	64.79	6.28
		For Bituminous Coated Pipe, Add	*8.93*	
		For Bituminous Coated And 25% Paved, Add	*16.13*	
		For Smooth-Flo, Add	*30.99*	
33 42 11 00-0559	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	75.32	6.81
		For Bituminous Coated Pipe, Add	*10.56*	
		For Bituminous Coated And 25% Paved, Add	*19.06*	
		For Smooth-Flo, Add	*36.63*	
33 42 11 00-0560	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	84.74	6.81
		For Bituminous Coated Pipe, Add	*11.96*	
		For Bituminous Coated And 25% Paved, Add	*21.61*	
		For Smooth-Flo, Add	*41.52*	
33 42 11 00-0561	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	108.84	9.42
		For Bituminous Coated Pipe, Add	*15.22*	
		For Bituminous Coated And 25% Paved, Add	*27.48*	
		For Smooth-Flo, Add	*52.81*	
33 42 11 00-0562	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	137.06	12.44
		For Bituminous Coated Pipe, Add	*18.81*	
		For Bituminous Coated And 25% Paved, Add	*33.98*	
		For Smooth-Flo, Add	*65.30*	
33 42 11 00-0563	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	158.48	14.70
		For Bituminous Coated Pipe, Add	*22.05*	
		For Bituminous Coated And 25% Paved, Add	*39.81*	
		For Smooth-Flo, Add	*76.52*	
33 42 11 00-0564	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	178.92	16.96
		For Bituminous Coated Pipe, Add	*24.89*	
		For Bituminous Coated And 25% Paved, Add	*44.96*	
		For Smooth-Flo, Add	*86.40*	
33 42 11 00-0565	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	212.85	19.23
		For Bituminous Coated Pipe, Add	*29.85*	
		For Bituminous Coated And 25% Paved, Add	*53.91*	
		For Smooth-Flo, Add	*103.60*	
33 42 11 00-0566	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	232.90	20.36
		For Bituminous Coated Pipe, Add	*32.69*	
		For Bituminous Coated And 25% Paved, Add	*59.04*	
		For Smooth-Flo, Add	*113.46*	
33 42 11 00-0567	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	282.84	24.88
		For Bituminous Coated Pipe, Add	*39.80*	
		For Bituminous Coated And 25% Paved, Add	*71.87*	
		For Smooth-Flo, Add	*138.12*	
33 42 11 00-0568		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*		
33 42 11 00-0569	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	162.38	12.44
		For Bituminous Coated Pipe, Add	*23.93*	
		For Bituminous Coated And 25% Paved, Add	*39.98*	
		For Smooth-Flo, Add	*57.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0570	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	188.10	14.70
		For Bituminous Coated Pipe, Add	*28.04*	
		For Bituminous Coated And 25% Paved, Add	*46.84*	
		For Smooth-Flo, Add	*66.83*	
33 42 11 00-0571	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	212.54	16.96
		For Bituminous Coated Pipe, Add	*31.69*	
		For Bituminous Coated And 25% Paved, Add	*52.94*	
		For Smooth-Flo, Add	*75.54*	
33 42 11 00-0572	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	250.52	19.23
		For Bituminous Coated Pipe, Add	*37.53*	
		For Bituminous Coated And 25% Paved, Add	*62.70*	
		For Smooth-Flo, Add	*89.46*	
33 42 11 00-0573	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	274.81	20.36
		For Bituminous Coated Pipe, Add	*41.22*	
		For Bituminous Coated And 25% Paved, Add	*68.86*	
		For Smooth-Flo, Add	*98.25*	
33 42 11 00-0574	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	328.90	24.88
		For Bituminous Coated Pipe, Add	*49.31*	
		For Bituminous Coated And 25% Paved, Add	*82.37*	
		For Smooth-Flo, Add	*117.53*	
33 42 11 00-0575	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	372.80	36.19
		For Bituminous Coated Pipe, Add	*52.94*	
		For Bituminous Coated And 25% Paved, Add	*88.44*	
		For Smooth-Flo, Add	*126.19*	
33 42 11 00-0576		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0577		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*		
33 42 11 00-0578	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	119.83	12.44
		For Bituminous Coated Pipe, Add	*18.69*	
		For Bituminous Coated And 25% Paved, Add	*42.42*	
		For Smooth-Flo, Add	*84.47*	
33 42 11 00-0579	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	138.52	14.70
		For Bituminous Coated Pipe, Add	*21.95*	
		For Bituminous Coated And 25% Paved, Add	*49.82*	
		For Smooth-Flo, Add	*99.20*	
33 42 11 00-0580	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	155.55	16.96
		For Bituminous Coated Pipe, Add	*24.61*	
		For Bituminous Coated And 25% Paved, Add	*55.87*	
		For Smooth-Flo, Add	*111.26*	
33 42 11 00-0581	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	187.59	19.23
		For Bituminous Coated Pipe, Add	*30.07*	
		For Bituminous Coated And 25% Paved, Add	*68.25*	
		For Smooth-Flo, Add	*135.90*	
33 42 11 00-0582	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	204.38	20.36
		For Bituminous Coated Pipe, Add	*32.76*	
		For Bituminous Coated And 25% Paved, Add	*74.36*	
		For Smooth-Flo, Add	*148.06*	
33 42 11 00-0583	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	259.10	24.88
		For Bituminous Coated Pipe, Add	*42.07*	
		For Bituminous Coated And 25% Paved, Add	*95.51*	
		For Smooth-Flo, Add	*190.17*	
33 42 11 00-0584	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	296.21	36.19
		For Bituminous Coated Pipe, Add	*44.85*	
		For Bituminous Coated And 25% Paved, Add	*101.80*	
		For Smooth-Flo, Add	*202.70*	
33 42 11 00-0585	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	317.32	39.59
		For Bituminous Coated Pipe, Add	*47.63*	
		For Bituminous Coated And 25% Paved, Add	*108.12*	
		For Smooth-Flo, Add	*215.29*	
33 42 11 00-0586	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	336.89	42.41
		For Bituminous Coated Pipe, Add	*50.41*	
		For Bituminous Coated And 25% Paved, Add	*114.44*	
		For Smooth-Flo, Add	*227.87*	
33 42 11 00-0587	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	356.52	45.24
		For Bituminous Coated Pipe, Add	*53.21*	
		For Bituminous Coated And 25% Paved, Add	*120.78*	
		For Smooth-Flo, Add	*240.50*	
33 42 11 00-0588	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	376.46	48.06
		For Bituminous Coated Pipe, Add	*55.98*	
		For Bituminous Coated And 25% Paved, Add	*127.08*	
		For Smooth-Flo, Add	*253.04*	
33 42 11 00-0589	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	398.11	50.90
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*133.45*	
		For Smooth-Flo, Add	*265.72*	
33 42 11 00-0590		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*		
33 42 11 00-0591	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	211.28	19.23
		For Bituminous Coated Pipe, Add	*34.80*	
		For Bituminous Coated And 25% Paved, Add	*68.22*	
		For Smooth-Flo, Add	*137.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0592	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	230.59	20.36
		For Bituminous Coated Pipe, Add	*38.00*	
		For Bituminous Coated And 25% Paved, Add	*74.48*	
		For Smooth-Flo, Add	*150.47*	
33 42 11 00-0593	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	287.93	24.88
		For Bituminous Coated Pipe, Add	*47.84*	
		For Bituminous Coated And 25% Paved, Add	*93.77*	
		For Smooth-Flo, Add	*189.45*	
33 42 11 00-0594	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	327.62	36.19
		For Bituminous Coated Pipe, Add	*51.13*	
		For Bituminous Coated And 25% Paved, Add	*100.21*	
		For Smooth-Flo, Add	*202.47*	
33 42 11 00-0595	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	351.25	39.59
		For Bituminous Coated Pipe, Add	*54.42*	
		For Bituminous Coated And 25% Paved, Add	*106.66*	
		For Smooth-Flo, Add	*215.49*	
33 42 11 00-0596	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	373.50	42.41
		For Bituminous Coated Pipe, Add	*57.74*	
		For Bituminous Coated And 25% Paved, Add	*113.16*	
		For Smooth-Flo, Add	*228.63*	
33 42 11 00-0597	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	395.60	45.24
		For Bituminous Coated Pipe, Add	*61.02*	
		For Bituminous Coated And 25% Paved, Add	*119.61*	
		For Smooth-Flo, Add	*241.66*	
33 42 11 00-0598	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	418.11	48.06
		For Bituminous Coated Pipe, Add	*64.31*	
		For Bituminous Coated And 25% Paved, Add	*126.05*	
		For Smooth-Flo, Add	*254.68*	
33 42 11 00-0599	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	442.28	50.90
		For Bituminous Coated Pipe, Add	*67.62*	
		For Bituminous Coated And 25% Paved, Add	*132.54*	
		For Smooth-Flo, Add	*267.78*	
33 42 11 00-0600	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	467.76	56.55
		For Bituminous Coated Pipe, Add	*70.93*	
		For Bituminous Coated And 25% Paved, Add	*139.03*	
		For Smooth-Flo, Add	*280.89*	
33 42 11 00-0601	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	492.69	62.20
		For Bituminous Coated Pipe, Add	*74.18*	
		For Bituminous Coated And 25% Paved, Add	*145.39*	
		For Smooth-Flo, Add	*293.74*	

33 42 11 00-0602 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*

33 42 11 00-0603	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	288.73	20.36
		For Bituminous Coated Pipe, Add	*49.63*	
		For Bituminous Coated And 25% Paved, Add	*94.54*	
		For Smooth-Flo, Add	*154.09*	
33 42 11 00-0604	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	352.33	24.88
		For Bituminous Coated Pipe, Add	*60.72*	
		For Bituminous Coated And 25% Paved, Add	*115.67*	
		For Smooth-Flo, Add	*188.54*	
33 42 11 00-0605	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	397.64	36.19
		For Bituminous Coated Pipe, Add	*65.13*	
		For Bituminous Coated And 25% Paved, Add	*124.08*	
		For Smooth-Flo, Add	*202.23*	
33 42 11 00-0606	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	426.94	39.59
		For Bituminous Coated Pipe, Add	*69.55*	
		For Bituminous Coated And 25% Paved, Add	*132.50*	
		For Smooth-Flo, Add	*215.97*	
33 42 11 00-0607	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	454.81	42.41
		For Bituminous Coated Pipe, Add	*74.00*	
		For Bituminous Coated And 25% Paved, Add	*140.97*	
		For Smooth-Flo, Add	*229.76*	
33 42 11 00-0608	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	482.59	45.24
		For Bituminous Coated Pipe, Add	*78.42*	
		For Bituminous Coated And 25% Paved, Add	*149.39*	
		For Smooth-Flo, Add	*243.50*	
33 42 11 00-0609	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	510.82	48.06
		For Bituminous Coated Pipe, Add	*82.85*	
		For Bituminous Coated And 25% Paved, Add	*157.84*	
		For Smooth-Flo, Add	*257.26*	
33 42 11 00-0610	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	540.66	50.90
		For Bituminous Coated Pipe, Add	*87.30*	
		For Bituminous Coated And 25% Paved, Add	*166.30*	
		For Smooth-Flo, Add	*271.06*	
33 42 11 00-0611	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	571.70	56.55
		For Bituminous Coated Pipe, Add	*91.72*	
		For Bituminous Coated And 25% Paved, Add	*174.73*	
		For Smooth-Flo, Add	*284.79*	
33 42 11 00-0612	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	602.36	62.20
		For Bituminous Coated Pipe, Add	*96.11*	
		For Bituminous Coated And 25% Paved, Add	*183.09*	
		For Smooth-Flo, Add	*298.43*	
33 42 11 00-0613	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	632.57	67.86
		For Bituminous Coated Pipe, Add	*100.56*	
		For Bituminous Coated And 25% Paved, Add	*191.56*	
		For Smooth-Flo, Add	*312.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-0614 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*

33 42 11 00-0615	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	462.93	36.19
		For Bituminous Coated Pipe, Add	*78.19*	
		For Bituminous Coated And 25% Paved, Add	*148.56*	
		For Smooth-Flo, Add	*198.60*	
33 42 11 00-0616	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	497.59	39.59
		For Bituminous Coated Pipe, Add	*83.68*	
		For Bituminous Coated And 25% Paved, Add	*159.00*	
		For Smooth-Flo, Add	*212.56*	
33 42 11 00-0617	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	530.82	42.41
		For Bituminous Coated Pipe, Add	*89.20*	
		For Bituminous Coated And 25% Paved, Add	*169.48*	
		For Smooth-Flo, Add	*226.57*	
33 42 11 00-0618	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	563.95	45.24
		For Bituminous Coated Pipe, Add	*94.69*	
		For Bituminous Coated And 25% Paved, Add	*179.92*	
		For Smooth-Flo, Add	*240.52*	
33 42 11 00-0619	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	597.54	48.06
		For Bituminous Coated Pipe, Add	*100.20*	
		For Bituminous Coated And 25% Paved, Add	*190.38*	
		For Smooth-Flo, Add	*254.50*	
33 42 11 00-0620	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	632.74	50.90
		For Bituminous Coated Pipe, Add	*105.71*	
		For Bituminous Coated And 25% Paved, Add	*200.86*	
		For Smooth-Flo, Add	*268.51*	
33 42 11 00-0621	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	669.14	56.55
		For Bituminous Coated Pipe, Add	*111.21*	
		For Bituminous Coated And 25% Paved, Add	*211.30*	
		For Smooth-Flo, Add	*282.47*	
33 42 11 00-0622	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	705.10	62.20
		For Bituminous Coated Pipe, Add	*116.66*	
		For Bituminous Coated And 25% Paved, Add	*221.65*	
		For Smooth-Flo, Add	*296.32*	
33 42 11 00-0623	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	740.72	67.86
		For Bituminous Coated Pipe, Add	*122.19*	
		For Bituminous Coated And 25% Paved, Add	*232.15*	
		For Smooth-Flo, Add	*310.35*	
33 42 11 00-0624	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	777.19	73.51
		For Bituminous Coated Pipe, Add	*127.66*	
		For Bituminous Coated And 25% Paved, Add	*242.55*	
		For Smooth-Flo, Add	*324.26*	
33 42 11 00-0625	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	815.25	79.17
		For Bituminous Coated Pipe, Add	*133.17*	
		For Bituminous Coated And 25% Paved, Add	*253.03*	
		For Smooth-Flo, Add	*338.26*	
33 42 11 00-0626	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	855.07	84.82
		For Bituminous Coated Pipe, Add	*138.70*	
		For Bituminous Coated And 25% Paved, Add	*263.53*	
		For Smooth-Flo, Add	*352.30*	

33 42 11 00-0627 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0628 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0629	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	156.23	16.96
		For Bituminous Coated Pipe, Add	*30.94*	
		For Bituminous Coated And 25% Paved, Add	*70.54*	
		For Smooth-Flo, Add	*111.99*	
33 42 11 00-0630	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	188.90	19.23
		For Bituminous Coated Pipe, Add	*37.91*	
		For Bituminous Coated And 25% Paved, Add	*86.43*	
		For Smooth-Flo, Add	*137.23*	
33 42 11 00-0631	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	205.53	20.36
		For Bituminous Coated Pipe, Add	*41.23*	
		For Bituminous Coated And 25% Paved, Add	*94.01*	
		For Smooth-Flo, Add	*149.26*	
33 42 11 00-0632	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	256.37	24.88
		For Bituminous Coated Pipe, Add	*51.91*	
		For Bituminous Coated And 25% Paved, Add	*118.35*	
		For Smooth-Flo, Add	*187.91*	
33 42 11 00-0633	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	293.17	36.19
		For Bituminous Coated Pipe, Add	*55.30*	
		For Bituminous Coated And 25% Paved, Add	*126.08*	
		For Smooth-Flo, Add	*200.18*	
33 42 11 00-0634	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	313.86	39.59
		For Bituminous Coated Pipe, Add	*58.67*	
		For Bituminous Coated And 25% Paved, Add	*133.77*	
		For Smooth-Flo, Add	*212.39*	
33 42 11 00-0635	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	332.95	42.41
		For Bituminous Coated Pipe, Add	*62.03*	
		For Bituminous Coated And 25% Paved, Add	*141.43*	
		For Smooth-Flo, Add	*224.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0636	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	352.01	45.24
		For Bituminous Coated Pipe, Add	*65.38*	
		For Bituminous Coated And 25% Paved, Add	*149.07*	
		For Smooth-Flo, Add	*236.68*	
33 42 11 00-0637	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	371.68	48.06
		For Bituminous Coated Pipe, Add	*68.78*	
		For Bituminous Coated And 25% Paved, Add	*156.82*	
		For Smooth-Flo, Add	*248.99*	
33 42 11 00-0638	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	393.22	50.90
		For Bituminous Coated Pipe, Add	*72.26*	
		For Bituminous Coated And 25% Paved, Add	*164.76*	
		For Smooth-Flo, Add	*261.59*	
33 42 11 00-0639		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*		
33 42 11 00-0640	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	218.53	19.23
		For Bituminous Coated Pipe, Add	*36.25*	
		For Bituminous Coated And 25% Paved, Add	*85.20*	
		For Smooth-Flo, Add	*154.26*	
33 42 11 00-0641	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	238.47	20.36
		For Bituminous Coated Pipe, Add	*39.57*	
		For Bituminous Coated And 25% Paved, Add	*93.00*	
		For Smooth-Flo, Add	*168.39*	
33 42 11 00-0642	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	292.29	24.88
		For Bituminous Coated Pipe, Add	*48.71*	
		For Bituminous Coated And 25% Paved, Add	*114.47*	
		For Smooth-Flo, Add	*207.27*	
33 42 11 00-0643	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	331.98	36.19
		For Bituminous Coated Pipe, Add	*52.00*	
		For Bituminous Coated And 25% Paved, Add	*122.20*	
		For Smooth-Flo, Add	*221.26*	
33 42 11 00-0644	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	356.19	39.59
		For Bituminous Coated Pipe, Add	*55.40*	
		For Bituminous Coated And 25% Paved, Add	*130.20*	
		For Smooth-Flo, Add	*235.74*	
33 42 11 00-0645	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	378.60	42.41
		For Bituminous Coated Pipe, Add	*58.76*	
		For Bituminous Coated And 25% Paved, Add	*138.08*	
		For Smooth-Flo, Add	*250.01*	
33 42 11 00-0646	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	399.28	45.24
		For Bituminous Coated Pipe, Add	*61.76*	
		For Bituminous Coated And 25% Paved, Add	*145.14*	
		For Smooth-Flo, Add	*262.79*	
33 42 11 00-0647	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	423.73	48.06
		For Bituminous Coated Pipe, Add	*65.44*	
		For Bituminous Coated And 25% Paved, Add	*153.77*	
		For Smooth-Flo, Add	*278.43*	
33 42 11 00-0648	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	448.06	50.90
		For Bituminous Coated Pipe, Add	*68.78*	
		For Bituminous Coated And 25% Paved, Add	*161.63*	
		For Smooth-Flo, Add	*292.65*	
33 42 11 00-0649	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	473.53	56.55
		For Bituminous Coated Pipe, Add	*72.09*	
		For Bituminous Coated And 25% Paved, Add	*169.40*	
		For Smooth-Flo, Add	*306.73*	
33 42 11 00-0650	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	499.20	62.20
		For Bituminous Coated Pipe, Add	*75.48*	
		For Bituminous Coated And 25% Paved, Add	*177.38*	
		For Smooth-Flo, Add	*321.17*	
33 42 11 00-0651		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*		
33 42 11 00-0652	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	300.13	20.36
		For Bituminous Coated Pipe, Add	*51.91*	
		For Bituminous Coated And 25% Paved, Add	*98.62*	
		For Smooth-Flo, Add	*178.04*	
33 42 11 00-0653	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	360.21	24.88
		For Bituminous Coated Pipe, Add	*62.30*	
		For Bituminous Coated And 25% Paved, Add	*118.36*	
		For Smooth-Flo, Add	*213.68*	
33 42 11 00-0654	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	406.36	36.19
		For Bituminous Coated Pipe, Add	*66.88*	
		For Bituminous Coated And 25% Paved, Add	*127.06*	
		For Smooth-Flo, Add	*229.38*	
33 42 11 00-0655	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	436.29	39.59
		For Bituminous Coated Pipe, Add	*71.42*	
		For Bituminous Coated And 25% Paved, Add	*135.71*	
		For Smooth-Flo, Add	*244.98*	
33 42 11 00-0656	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	464.48	42.41
		For Bituminous Coated Pipe, Add	*75.93*	
		For Bituminous Coated And 25% Paved, Add	*144.27*	
		For Smooth-Flo, Add	*260.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0657	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	492.99	45.24
		For Bituminous Coated Pipe, Add	*80.50*	
		For Bituminous Coated And 25% Paved, Add	*152.95*	
		For Smooth-Flo, Add	*276.12*	
33 42 11 00-0658	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	521.75	48.06
		For Bituminous Coated Pipe, Add	*85.04*	
		For Bituminous Coated And 25% Paved, Add	*161.58*	
		For Smooth-Flo, Add	*291.69*	
33 42 11 00-0659	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	552.01	50.90
		For Bituminous Coated Pipe, Add	*89.57*	
		For Bituminous Coated And 25% Paved, Add	*170.18*	
		For Smooth-Flo, Add	*307.22*	
33 42 11 00-0660	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	583.79	56.55
		For Bituminous Coated Pipe, Add	*94.14*	
		For Bituminous Coated And 25% Paved, Add	*178.86*	
		For Smooth-Flo, Add	*322.89*	
33 42 11 00-0661	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	615.18	62.20
		For Bituminous Coated Pipe, Add	*98.68*	
		For Bituminous Coated And 25% Paved, Add	*187.48*	
		For Smooth-Flo, Add	*338.46*	
33 42 11 00-0662	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	645.86	67.86
		For Bituminous Coated Pipe, Add	*103.21*	
		For Bituminous Coated And 25% Paved, Add	*196.11*	
		For Smooth-Flo, Add	*354.02*	

33 42 11 00-0663 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0664	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	477.59	36.19
		For Bituminous Coated Pipe, Add	*81.12*	
		For Bituminous Coated And 25% Paved, Add	*154.13*	
		For Smooth-Flo, Add	*242.15*	
33 42 11 00-0665	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	514.14	39.59
		For Bituminous Coated Pipe, Add	*86.99*	
		For Bituminous Coated And 25% Paved, Add	*165.29*	
		For Smooth-Flo, Add	*259.68*	
33 42 11 00-0666	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	548.52	42.41
		For Bituminous Coated Pipe, Add	*92.74*	
		For Bituminous Coated And 25% Paved, Add	*176.21*	
		For Smooth-Flo, Add	*276.83*	
33 42 11 00-0667	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	582.65	45.24
		For Bituminous Coated Pipe, Add	*98.43*	
		For Bituminous Coated And 25% Paved, Add	*187.02*	
		For Smooth-Flo, Add	*293.83*	
33 42 11 00-0668	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	617.50	48.06
		For Bituminous Coated Pipe, Add	*104.19*	
		For Bituminous Coated And 25% Paved, Add	*197.96*	
		For Smooth-Flo, Add	*311.01*	
33 42 11 00-0669	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	653.64	50.90
		For Bituminous Coated Pipe, Add	*109.89*	
		For Bituminous Coated And 25% Paved, Add	*208.80*	
		For Smooth-Flo, Add	*328.03*	
33 42 11 00-0670	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	691.31	56.55
		For Bituminous Coated Pipe, Add	*115.64*	
		For Bituminous Coated And 25% Paved, Add	*219.72*	
		For Smooth-Flo, Add	*345.19*	
33 42 11 00-0671	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	728.69	62.20
		For Bituminous Coated Pipe, Add	*121.38*	
		For Bituminous Coated And 25% Paved, Add	*230.62*	
		For Smooth-Flo, Add	*362.31*	
33 42 11 00-0672	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	765.20	67.86
		For Bituminous Coated Pipe, Add	*127.08*	
		For Bituminous Coated And 25% Paved, Add	*241.46*	
		For Smooth-Flo, Add	*379.34*	
33 42 11 00-0673	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	811.96	73.51
		For Bituminous Coated Pipe, Add	*134.61*	
		For Bituminous Coated And 25% Paved, Add	*255.77*	
		For Smooth-Flo, Add	*401.82*	
33 42 11 00-0674	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	853.49	79.17
		For Bituminous Coated Pipe, Add	*140.82*	
		For Bituminous Coated And 25% Paved, Add	*267.56*	
		For Smooth-Flo, Add	*420.35*	
33 42 11 00-0675	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	897.93	84.82
		For Bituminous Coated Pipe, Add	*147.27*	
		For Bituminous Coated And 25% Paved, Add	*279.82*	
		For Smooth-Flo, Add	*439.61*	

33 42 11 00-0676 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0677 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*

33 42 11 00-0678	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	53.18	6.28
		For Bituminous Coated Pipe, Add	*9.53*	
33 42 11 00-0679	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	61.97	6.81
		For Bituminous Coated Pipe, Add	*11.36*	
33 42 11 00-0680	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	69.72	7.33
		For Bituminous Coated Pipe, Add	*12.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0681	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	90.67	9.42
		For Bituminous Coated Pipe, Add	*16.62*	
33 42 11 00-0682	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	115.79	12.44
		For Bituminous Coated Pipe, Add	*20.83*	
33 42 11 00-0683	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	134.21	14.70
		For Bituminous Coated Pipe, Add	*24.56*	
33 42 11 00-0684	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	151.14	16.96
		For Bituminous Coated Pipe, Add	*27.65*	
33 42 11 00-0685	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	182.60	19.23
		For Bituminous Coated Pipe, Add	*33.86*	
33 42 11 00-0686	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	199.28	20.36
		For Bituminous Coated Pipe, Add	*36.97*	

33 42 11 00-0687 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*

33 42 11 00-0688	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	60.01	6.28
		For Bituminous Coated Pipe, Add	*11.03*	
33 42 11 00-0689	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	69.96	6.81
		For Bituminous Coated Pipe, Add	*13.10*	
33 42 11 00-0690	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	78.81	7.33
		For Bituminous Coated Pipe, Add	*14.89*	
33 42 11 00-0691	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	101.96	9.42
		For Bituminous Coated Pipe, Add	*19.09*	
33 42 11 00-0692	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	129.39	12.44
		For Bituminous Coated Pipe, Add	*23.79*	
33 42 11 00-0693	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	150.13	14.70
		For Bituminous Coated Pipe, Add	*28.03*	
33 42 11 00-0694	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	169.31	16.96
		For Bituminous Coated Pipe, Add	*31.61*	
33 42 11 00-0695	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	203.03	19.23
		For Bituminous Coated Pipe, Add	*38.29*	
33 42 11 00-0696	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	222.02	20.36
		For Bituminous Coated Pipe, Add	*41.91*	
33 42 11 00-0697	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	274.12	24.88
		For Bituminous Coated Pipe, Add	*52.07*	
33 42 11 00-0698	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	312.81	36.19
		For Bituminous Coated Pipe, Add	*55.63*	
33 42 11 00-0699	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	335.71	39.59
		For Bituminous Coated Pipe, Add	*59.26*	

33 42 11 00-0700 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*

33 42 11 00-0701	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	124.86	9.42
		For Bituminous Coated Pipe, Add	*19.94*	
33 42 11 00-0702	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	156.76	12.44
		For Bituminous Coated Pipe, Add	*24.64*	
33 42 11 00-0703	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	182.17	14.70
		For Bituminous Coated Pipe, Add	*28.99*	
33 42 11 00-0704	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	205.87	16.96
		For Bituminous Coated Pipe, Add	*32.77*	
33 42 11 00-0705	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	244.21	19.23
		For Bituminous Coated Pipe, Add	*39.11*	
33 42 11 00-0706	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	267.83	20.36
		For Bituminous Coated Pipe, Add	*42.95*	
33 42 11 00-0707	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	324.39	24.88
		For Bituminous Coated Pipe, Add	*52.10*	
33 42 11 00-0708	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	367.60	36.19
		For Bituminous Coated Pipe, Add	*55.87*	
33 42 11 00-0709	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	395.01	39.59
		For Bituminous Coated Pipe, Add	*59.69*	
33 42 11 00-0710	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	420.78	42.41
		For Bituminous Coated Pipe, Add	*63.50*	
33 42 11 00-0711	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	446.50	45.24
		For Bituminous Coated Pipe, Add	*67.29*	
33 42 11 00-0712	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	472.64	48.06
		For Bituminous Coated Pipe, Add	*71.08*	
33 42 11 00-0713	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	498.11	50.90
		For Bituminous Coated Pipe, Add	*74.45*	

33 42 11 00-0714 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0715 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0714)*

33 42 11 00-0716	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.22	3.14
		For Bituminous Coated Pipe, Add	*2.44*	
33 42 11 00-0717	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.26	3.14
		For Bituminous Coated Pipe, Add	*2.94*	
33 42 11 00-0718	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	20.77	3.93
		For Bituminous Coated Pipe, Add	*3.22*	
33 42 11 00-0719	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.35	3.93
		For Bituminous Coated Pipe, Add	*3.86*	
33 42 11 00-0720	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.20	4.71
		For Bituminous Coated Pipe, Add	*4.05*	
33 42 11 00-0721	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.48	4.71
		For Bituminous Coated Pipe, Add	*4.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-0722 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0714)*

33 42 11 00-0723	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	16.51	3.14
		For Bituminous Coated Pipe, Add	*2.40*	
33 42 11 00-0724	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.48	3.14
		For Bituminous Coated Pipe, Add	*2.87*	
33 42 11 00-0725	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.05	3.93
		For Bituminous Coated Pipe, Add	*3.16*	
33 42 11 00-0726	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.79	3.93
		For Bituminous Coated Pipe, Add	*3.80*	
33 42 11 00-0727	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	26.69	4.71
		For Bituminous Coated Pipe, Add	*4.00*	
33 42 11 00-0728	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.04	4.71
		For Bituminous Coated Pipe, Add	*4.79*	

33 42 11 00-0729 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0714)*

33 42 11 00-0730	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	15.05	
		For Bituminous Coated Pipe, Add	*3.39*	
33 42 11 00-0731	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.92	
		For Bituminous Coated Pipe, Add	*4.48*	
33 42 11 00-0732	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.42	
		For Bituminous Coated Pipe, Add	*5.49*	
33 42 11 00-0733	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	54.27	
		For Bituminous Coated Pipe, Add	*7.49*	
33 42 11 00-0734	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	7.90	
		For Bituminous Coated Pipe, Add	*1.71*	
33 42 11 00-0735	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.70	
		For Bituminous Coated Pipe, Add	*2.56*	

33 42 11 00-0736 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0737 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*

33 42 11 00-0738	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	62.19	5.50
33 42 11 00-0739	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	75.79	5.76
33 42 11 00-0740	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	89.79	6.28
33 42 11 00-0741	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	105.91	6.81
33 42 11 00-0742	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	118.74	7.33
33 42 11 00-0743	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	154.64	9.42
33 42 11 00-0744	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	197.17	12.44
33 42 11 00-0745	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	230.81	14.70
33 42 11 00-0746	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.80	16.96

33 42 11 00-0747 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*

33 42 11 00-0748	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	73.18	5.50
33 42 11 00-0749	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	89.41	5.76
33 42 11 00-0750	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	106.10	6.28
33 42 11 00-0751	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	124.80	6.81
33 42 11 00-0752	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.67	7.33
33 42 11 00-0753	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	181.56	9.42
33 42 11 00-0754	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	229.67	12.44
33 42 11 00-0755	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	268.11	14.70
33 42 11 00-0756	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	301.37	16.96
33 42 11 00-0757	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	367.98	19.23

33 42 11 00-0758 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*

33 42 11 00-0759	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.09	6.28
33 42 11 00-0760	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	164.48	6.81
33 42 11 00-0761	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	185.80	7.33
33 42 11 00-0762	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	237.93	9.42
33 42 11 00-0763	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	283.49	12.44
33 42 11 00-0764	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	346.96	14.70
33 42 11 00-0765	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	391.36	16.96
33 42 11 00-0766	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	470.66	19.23
33 42 11 00-0767	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	514.47	20.36
33 42 11 00-0768	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	631.59	24.88

33 42 11 00-0769 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*

33 42 11 00-0770	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	359.10	12.44
33 42 11 00-0771	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	418.80	14.70
33 42 11 00-0772	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	472.95	16.96
33 42 11 00-0773	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	562.07	19.23
33 42 11 00-0774	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	616.22	20.36
33 42 11 00-0775	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	743.34	24.88
33 42 11 00-0776	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	816.70	36.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0777		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0778		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0779	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	259.57	12.44
33 42 11 00-0780	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	302.76	14.70
33 42 11 00-0781	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	339.47	16.96
33 42 11 00-0782	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	413.86	19.23
33 42 11 00-0783	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	450.58	20.36
33 42 11 00-0784	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	578.10	24.88
33 42 11 00-0785	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	635.81	36.19
33 42 11 00-0786	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	677.44	39.59
33 42 11 00-0787	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	717.65	42.41
33 42 11 00-0788	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	757.91	45.24
33 42 11 00-0789	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	798.42	48.06
33 42 11 00-0790	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	840.78	50.90
33 42 11 00-0791		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0792	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	472.62	19.23
33 42 11 00-0793	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	515.53	20.36
33 42 11 00-0794	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	649.65	24.88
33 42 11 00-0795	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	713.62	36.19
33 42 11 00-0796	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	761.61	39.59
33 42 11 00-0797	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	808.41	42.41
33 42 11 00-0798	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	854.84	45.24
33 42 11 00-0799	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	901.66	48.06
33 42 11 00-0800	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	950.43	50.90
33 42 11 00-0801	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,000.35	56.55
33 42 11 00-0802	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,049.28	62.20
33 42 11 00-0803		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0804	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	663.31	20.36
33 42 11 00-0805	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	814.04	24.88
33 42 11 00-0806	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	892.27	36.19
33 42 11 00-0807	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	954.58	39.59
33 42 11 00-0808	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,015.63	42.41
33 42 11 00-0809	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,076.41	45.24
33 42 11 00-0810	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,137.68	48.06
33 42 11 00-0811	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,200.68	50.90
33 42 11 00-0812	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,264.73	56.55
33 42 11 00-0813	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,328.19	62.20
33 42 11 00-0814	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,391.59	67.86
33 42 11 00-0815		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0816	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,055.05	36.19
33 42 11 00-0817	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,130.63	39.59
33 42 11 00-0818	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,205.06	42.41
33 42 11 00-0819	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,279.15	45.24
33 42 11 00-0820	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,353.81	48.06
33 42 11 00-0821	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,430.17	50.90
33 42 11 00-0822	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,507.59	56.55
33 42 11 00-0823	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,584.34	62.20
33 42 11 00-0824	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,661.09	67.86
33 42 11 00-0825	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,738.46	73.51
33 42 11 00-0826	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,817.68	79.17
33 42 11 00-0827	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,898.68	84.82
33 42 11 00-0828		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0829		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0830	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	326.80	16.96
33 42 11 00-0831	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	399.92	19.23
33 42 11 00-0832	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	434.60	20.36
33 42 11 00-0833	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	548.41	24.88
33 42 11 00-0834	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	603.69	36.19
33 42 11 00-0835	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	642.79	39.59
33 42 11 00-0836	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	680.13	42.41
33 42 11 00-0837	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	717.37	45.24
33 42 11 00-0838	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	755.49	48.06
33 42 11 00-0839	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	796.09	50.90
33 42 11 00-0840		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0841	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	469.72	19.23
33 42 11 00-0842	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	512.34	20.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0843	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	633.19	24.88
33 42 11 00-0844	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	695.30	36.19
33 42 11 00-0845	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	742.68	39.59
33 42 11 00-0846	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	787.80	42.41
33 42 11 00-0847	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	828.94	45.24
33 42 11 00-0848	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	878.38	48.06
33 42 11 00-0849	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	925.47	50.90
33 42 11 00-0850	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	973.40	56.55
33 42 11 00-0851	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,022.15	62.20
33 42 11 00-0852		**12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0828)*		
33 42 11 00-0853	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	668.15	20.36
33 42 11 00-0854	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	805.58	24.88
33 42 11 00-0855	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	883.97	36.19
33 42 11 00-0856	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	945.67	39.59
33 42 11 00-0857	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,005.40	42.41
33 42 11 00-0858	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,065.99	45.24
33 42 11 00-0859	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,126.57	48.06
33 42 11 00-0860	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,188.48	50.90
33 42 11 00-0861	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,252.32	56.55
33 42 11 00-0862	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,315.52	62.20
33 42 11 00-0863	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,377.97	67.86
33 42 11 00-0864		**10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0828)*		
33 42 11 00-0865	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,054.98	36.19
33 42 11 00-0866	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,132.59	39.59
33 42 11 00-0867	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,207.30	42.41
33 42 11 00-0868	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,281.34	45.24
33 42 11 00-0869	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,356.41	48.06
33 42 11 00-0870	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,432.62	50.90
33 42 11 00-0871	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,510.45	56.55
33 42 11 00-0872	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,588.01	62.20
33 42 11 00-0873	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,664.57	67.86
33 42 11 00-0874	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,764.05	73.51
33 42 11 00-0875	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,849.14	79.17
33 42 11 00-0876	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,938.74	84.82
33 42 11 00-0877		**Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0533)*		
33 42 11 00-0878		**2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0877)*		
33 42 11 00-0879		**16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0878)*		
33 42 11 00-0880	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.67	5.76
		For Bituminous Coated Pipe, Add	*6.93*	
		For Bituminous Coated And 25% Paved, Add	*16.76*	
		For Smooth-Flo, Add	*27.65*	
33 42 11 00-0881	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	45.51	6.28
		For Bituminous Coated Pipe, Add	*8.28*	
		For Bituminous Coated And 25% Paved, Add	*20.02*	
		For Smooth-Flo, Add	*33.02*	
33 42 11 00-0882	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	53.25	6.81
		For Bituminous Coated Pipe, Add	*9.96*	
		For Bituminous Coated And 25% Paved, Add	*24.09*	
		For Smooth-Flo, Add	*39.74*	
33 42 11 00-0883	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	60.48	7.33
		For Bituminous Coated Pipe, Add	*11.48*	
		For Bituminous Coated And 25% Paved, Add	*27.76*	
		For Smooth-Flo, Add	*45.80*	
33 42 11 00-0884	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	77.91	9.42
		For Bituminous Coated Pipe, Add	*14.58*	
		For Bituminous Coated And 25% Paved, Add	*35.26*	
		For Smooth-Flo, Add	*58.16*	
33 42 11 00-0885	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	101.92	12.44
		For Bituminous Coated Pipe, Add	*18.81*	
		For Bituminous Coated And 25% Paved, Add	*45.47*	
		For Smooth-Flo, Add	*75.00*	
33 42 11 00-0886		**14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0878)*		
33 42 11 00-0887	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	45.29	5.76
		For Bituminous Coated Pipe, Add	*7.19*	
		For Bituminous Coated And 25% Paved, Add	*16.83*	
		For Smooth-Flo, Add	*27.60*	
33 42 11 00-0888	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	52.39	6.28
		For Bituminous Coated Pipe, Add	*8.63*	
		For Bituminous Coated And 25% Paved, Add	*20.19*	
		For Smooth-Flo, Add	*33.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0889	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	60.92	6.81
		For Bituminous Coated Pipe, Add	*10.25*	
		For Bituminous Coated And 25% Paved, Add	*23.99*	
		For Smooth-Flo, Add	*39.34*	
33 42 11 00-0890	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.35	7.33
		For Bituminous Coated Pipe, Add	*11.82*	
		For Bituminous Coated And 25% Paved, Add	*27.66*	
		For Smooth-Flo, Add	*45.37*	
33 42 11 00-0891	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	88.99	9.42
		For Bituminous Coated Pipe, Add	*14.97*	
		For Bituminous Coated And 25% Paved, Add	*35.03*	
		For Smooth-Flo, Add	*57.46*	
33 42 11 00-0892	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	115.11	12.44
		For Bituminous Coated Pipe, Add	*19.07*	
		For Bituminous Coated And 25% Paved, Add	*44.63*	
		For Smooth-Flo, Add	*73.19*	
33 42 11 00-0893	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	134.47	14.70
		For Bituminous Coated Pipe, Add	*22.72*	
		For Bituminous Coated And 25% Paved, Add	*53.16*	
		For Smooth-Flo, Add	*87.19*	

33 42 11 00-0894 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*

33 42 11 00-0895	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.39	6.78
		For Bituminous Coated Pipe, Add	*9.33*	
		For Bituminous Coated And 25% Paved, Add	*20.77*	
		For Smooth-Flo, Add	*31.93*	
33 42 11 00-0896	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.65	7.35
		For Bituminous Coated Pipe, Add	*11.07*	
		For Bituminous Coated And 25% Paved, Add	*24.63*	
		For Smooth-Flo, Add	*37.88*	
33 42 11 00-0897	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.48	7.92
		For Bituminous Coated Pipe, Add	*12.69*	
		For Bituminous Coated And 25% Paved, Add	*28.25*	
		For Smooth-Flo, Add	*43.44*	
33 42 11 00-0898	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	116.75	10.18
		For Bituminous Coated Pipe, Add	*15.98*	
		For Bituminous Coated And 25% Paved, Add	*35.57*	
		For Smooth-Flo, Add	*54.69*	
33 42 11 00-0899	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	142.00	12.44
		For Bituminous Coated Pipe, Add	*20.00*	
		For Bituminous Coated And 25% Paved, Add	*44.51*	
		For Smooth-Flo, Add	*68.44*	
33 42 11 00-0900	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	165.52	14.70
		For Bituminous Coated Pipe, Add	*23.65*	
		For Bituminous Coated And 25% Paved, Add	*52.64*	
		For Smooth-Flo, Add	*80.94*	
33 42 11 00-0901	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	194.63	16.96
		For Bituminous Coated Pipe, Add	*28.05*	
		For Bituminous Coated And 25% Paved, Add	*62.43*	
		For Smooth-Flo, Add	*95.99*	
33 42 11 00-0902	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	216.32	19.23
		For Bituminous Coated Pipe, Add	*30.98*	
		For Bituminous Coated And 25% Paved, Add	*68.94*	
		For Smooth-Flo, Add	*106.00*	

33 42 11 00-0903 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*

33 42 11 00-0904	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	167.32	12.44
		For Bituminous Coated Pipe, Add	*24.10*	
		For Bituminous Coated And 25% Paved, Add	*50.73*	
		For Smooth-Flo, Add	*63.98*	
33 42 11 00-0905	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	195.03	14.70
		For Bituminous Coated Pipe, Add	*28.43*	
		For Bituminous Coated And 25% Paved, Add	*59.85*	
		For Smooth-Flo, Add	*75.47*	
33 42 11 00-0906	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	228.09	16.96
		For Bituminous Coated Pipe, Add	*33.45*	
		For Bituminous Coated And 25% Paved, Add	*70.42*	
		For Smooth-Flo, Add	*88.81*	
33 42 11 00-0907	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	254.14	19.23
		For Bituminous Coated Pipe, Add	*37.09*	
		For Bituminous Coated And 25% Paved, Add	*78.08*	
		For Smooth-Flo, Add	*98.46*	
33 42 11 00-0908	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	278.70	20.36
		For Bituminous Coated Pipe, Add	*40.72*	
		For Bituminous Coated And 25% Paved, Add	*85.72*	
		For Smooth-Flo, Add	*108.10*	

33 42 11 00-0909 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*

33 42 11 00-0910 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0911	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	215.95	19.23
		For Bituminous Coated Pipe, Add	*35.74*	
		For Bituminous Coated And 25% Paved, Add	*108.64*	
		For Smooth-Flo, Add	*121.51*	
33 42 11 00-0912	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	236.15	20.36
		For Bituminous Coated Pipe, Add	*39.11*	
		For Bituminous Coated And 25% Paved, Add	*118.89*	
		For Smooth-Flo, Add	*132.97*	
33 42 11 00-0913	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	294.34	24.88
		For Bituminous Coated Pipe, Add	*49.12*	
		For Bituminous Coated And 25% Paved, Add	*149.33*	
		For Smooth-Flo, Add	*167.01*	
33 42 11 00-0914	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	335.29	36.19
		For Bituminous Coated Pipe, Add	*52.66*	
		For Bituminous Coated And 25% Paved, Add	*160.09*	
		For Smooth-Flo, Add	*179.05*	
33 42 11 00-0915	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	361.08	39.59
		For Bituminous Coated Pipe, Add	*56.38*	
		For Bituminous Coated And 25% Paved, Add	*171.40*	
		For Smooth-Flo, Add	*191.70*	
33 42 11 00-0916	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	385.43	42.41
		For Bituminous Coated Pipe, Add	*60.12*	
		For Bituminous Coated And 25% Paved, Add	*182.77*	
		For Smooth-Flo, Add	*204.41*	
33 42 11 00-0917	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	409.68	45.24
		For Bituminous Coated Pipe, Add	*63.84*	
		For Bituminous Coated And 25% Paved, Add	*194.07*	
		For Smooth-Flo, Add	*217.06*	
33 42 11 00-0918	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	434.29	48.06
		For Bituminous Coated Pipe, Add	*67.55*	
		For Bituminous Coated And 25% Paved, Add	*205.35*	
		For Smooth-Flo, Add	*229.66*	
33 42 11 00-0919		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*		
33 42 11 00-0920	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	294.35	20.36
		For Bituminous Coated Pipe, Add	*50.75*	
		For Bituminous Coated And 25% Paved, Add	*132.97*	
		For Smooth-Flo, Add	*157.33*	
33 42 11 00-0921	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	358.90	24.88
		For Bituminous Coated Pipe, Add	*62.03*	
		For Bituminous Coated And 25% Paved, Add	*162.53*	
		For Smooth-Flo, Add	*192.31*	
33 42 11 00-0922	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	405.57	36.19
		For Bituminous Coated Pipe, Add	*66.72*	
		For Bituminous Coated And 25% Paved, Add	*174.80*	
		For Smooth-Flo, Add	*206.83*	
33 42 11 00-0923	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	437.03	39.59
		For Bituminous Coated Pipe, Add	*71.57*	
		For Bituminous Coated And 25% Paved, Add	*187.52*	
		For Smooth-Flo, Add	*221.87*	
33 42 11 00-0924	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	467.05	42.41
		For Bituminous Coated Pipe, Add	*76.45*	
		For Bituminous Coated And 25% Paved, Add	*200.29*	
		For Smooth-Flo, Add	*236.98*	
33 42 11 00-0925	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	497.03	45.24
		For Bituminous Coated Pipe, Add	*81.31*	
		For Bituminous Coated And 25% Paved, Add	*213.03*	
		For Smooth-Flo, Add	*252.06*	
33 42 11 00-0926	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	527.32	48.06
		For Bituminous Coated Pipe, Add	*86.15*	
		For Bituminous Coated And 25% Paved, Add	*225.72*	
		For Smooth-Flo, Add	*267.08*	
33 42 11 00-0927	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	559.41	50.90
		For Bituminous Coated Pipe, Add	*91.05*	
		For Bituminous Coated And 25% Paved, Add	*238.55*	
		For Smooth-Flo, Add	*282.25*	
33 42 11 00-0928	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	592.66	56.55
		For Bituminous Coated Pipe, Add	*95.91*	
		For Bituminous Coated And 25% Paved, Add	*251.29*	
		For Smooth-Flo, Add	*297.33*	
33 42 11 00-0929	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	628.10	62.20
		For Bituminous Coated Pipe, Add	*101.26*	
		For Bituminous Coated And 25% Paved, Add	*265.30*	
		For Smooth-Flo, Add	*313.91*	
33 42 11 00-0930		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*		
33 42 11 00-0931	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	470.86	36.19
		For Bituminous Coated Pipe, Add	*79.78*	
		For Bituminous Coated And 25% Paved, Add	*189.87*	
		For Smooth-Flo, Add	*206.22*	
33 42 11 00-0932	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	507.73	39.59
		For Bituminous Coated Pipe, Add	*85.71*	
		For Bituminous Coated And 25% Paved, Add	*203.99*	
		For Smooth-Flo, Add	*221.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0933	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	543.11	42.41
		For Bituminous Coated Pipe, Add	*91.66*	
		For Bituminous Coated And 25% Paved, Add	*218.15*	
		For Smooth-Flo, Add	*236.94*	
33 42 11 00-0934	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	578.34	45.24
		For Bituminous Coated Pipe, Add	*97.57*	
		For Bituminous Coated And 25% Paved, Add	*232.22*	
		For Smooth-Flo, Add	*252.22*	
33 42 11 00-0935	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	614.04	48.06
		For Bituminous Coated Pipe, Add	*103.50*	
		For Bituminous Coated And 25% Paved, Add	*246.33*	
		For Smooth-Flo, Add	*267.54*	
33 42 11 00-0936	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	651.44	50.90
		For Bituminous Coated Pipe, Add	*109.45*	
		For Bituminous Coated And 25% Paved, Add	*260.50*	
		For Smooth-Flo, Add	*282.94*	
33 42 11 00-0937	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	690.05	56.55
		For Bituminous Coated Pipe, Add	*115.39*	
		For Bituminous Coated And 25% Paved, Add	*274.63*	
		For Smooth-Flo, Add	*298.28*	
33 42 11 00-0938	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	730.42	62.20
		For Bituminous Coated Pipe, Add	*121.72*	
		For Bituminous Coated And 25% Paved, Add	*289.70*	
		For Smooth-Flo, Add	*314.66*	
33 42 11 00-0939	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	776.44	67.86
		For Bituminous Coated Pipe, Add	*129.33*	
		For Bituminous Coated And 25% Paved, Add	*307.81*	
		For Smooth-Flo, Add	*334.32*	

33 42 11 00-0940 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*

33 42 11 00-0941 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0940)*

33 42 11 00-0942	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	411.98	36.19
		For Bituminous Coated Pipe, Add	*68.00*	
		For Bituminous Coated And 25% Paved, Add	*165.92*	
		For Smooth-Flo, Add	*211.14*	
33 42 11 00-0943	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	442.81	39.59
		For Bituminous Coated Pipe, Add	*72.73*	
		For Bituminous Coated And 25% Paved, Add	*177.46*	
		For Smooth-Flo, Add	*225.82*	
33 42 11 00-0944	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	471.83	42.41
		For Bituminous Coated Pipe, Add	*77.40*	
		For Bituminous Coated And 25% Paved, Add	*188.86*	
		For Smooth-Flo, Add	*240.33*	
33 42 11 00-0945	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	500.87	45.24
		For Bituminous Coated Pipe, Add	*82.08*	
		For Bituminous Coated And 25% Paved, Add	*200.27*	
		For Smooth-Flo, Add	*254.85*	
33 42 11 00-0946	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	530.47	48.06
		For Bituminous Coated Pipe, Add	*86.78*	
		For Bituminous Coated And 25% Paved, Add	*211.75*	
		For Smooth-Flo, Add	*269.46*	
33 42 11 00-0947	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	562.04	50.90
		For Bituminous Coated Pipe, Add	*91.57*	
		For Bituminous Coated And 25% Paved, Add	*223.44*	
		For Smooth-Flo, Add	*284.34*	
33 42 11 00-0948	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	594.76	56.55
		For Bituminous Coated Pipe, Add	*96.33*	
		For Bituminous Coated And 25% Paved, Add	*235.05*	
		For Smooth-Flo, Add	*299.11*	
33 42 11 00-0949	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	633.30	62.20
		For Bituminous Coated Pipe, Add	*102.30*	
		For Bituminous Coated And 25% Paved, Add	*249.61*	
		For Smooth-Flo, Add	*317.64*	

33 42 11 00-0950 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0940)*

33 42 11 00-0951	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	484.26	36.19
		For Bituminous Coated Pipe, Add	*82.46*	
		For Bituminous Coated And 25% Paved, Add	*186.35*	
		For Smooth-Flo, Add	*202.43*	
33 42 11 00-0952	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	520.86	39.59
		For Bituminous Coated Pipe, Add	*88.34*	
		For Bituminous Coated And 25% Paved, Add	*199.64*	
		For Smooth-Flo, Add	*216.87*	
33 42 11 00-0953	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	555.77	42.41
		For Bituminous Coated Pipe, Add	*94.19*	
		For Bituminous Coated And 25% Paved, Add	*212.87*	
		For Smooth-Flo, Add	*231.24*	
33 42 11 00-0954	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	590.84	45.24
		For Bituminous Coated Pipe, Add	*100.07*	
		For Bituminous Coated And 25% Paved, Add	*226.16*	
		For Smooth-Flo, Add	*245.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0955	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	625.33	48.06
		For Bituminous Coated Pipe, Add	*105.76*	
		For Bituminous Coated And 25% Paved, Add	*239.01*	
		For Smooth-Flo, Add	*259.63*	
33 42 11 00-0956	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	663.57	50.90
		For Bituminous Coated Pipe, Add	*111.88*	
		For Bituminous Coated And 25% Paved, Add	*252.85*	
		For Smooth-Flo, Add	*274.67*	
33 42 11 00-0957	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	702.28	56.55
		For Bituminous Coated Pipe, Add	*117.84*	
		For Bituminous Coated And 25% Paved, Add	*266.31*	
		For Smooth-Flo, Add	*289.29*	
33 42 11 00-0958	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	746.75	62.20
		For Bituminous Coated Pipe, Add	*124.99*	
		For Bituminous Coated And 25% Paved, Add	*282.48*	
		For Smooth-Flo, Add	*306.85*	
33 42 11 00-0959	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	788.52	67.86
		For Bituminous Coated Pipe, Add	*131.75*	
		For Bituminous Coated And 25% Paved, Add	*297.75*	
		For Smooth-Flo, Add	*323.44*	
33 42 11 00-0960		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0961		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0962	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	75.89	5.76
33 42 11 00-0963	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.80	6.28
33 42 11 00-0964	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	105.48	6.81
33 42 11 00-0965	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	120.75	7.33
33 42 11 00-0966	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	154.68	9.42
33 42 11 00-0967	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	201.66	12.44
33 42 11 00-0968		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0969	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.81	5.76
33 42 11 00-0970	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	104.58	6.28
33 42 11 00-0971	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	123.12	6.81
33 42 11 00-0972	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	141.24	7.33
33 42 11 00-0973	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	180.16	9.42
33 42 11 00-0974	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	231.96	12.44
33 42 11 00-0975	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	273.97	14.70
33 42 11 00-0976		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0977	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	143.30	6.28
33 42 11 00-0978	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	168.97	6.81
33 42 11 00-0979	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	193.17	7.33
33 42 11 00-0980	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	244.98	9.42
33 42 11 00-0981	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	310.24	12.44
33 42 11 00-0982	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	365.14	14.70
33 42 11 00-0983	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	432.98	16.96
33 42 11 00-0984	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	478.82	19.23
33 42 11 00-0985		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0986	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	371.65	12.44
33 42 11 00-0987	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	436.78	14.70
33 42 11 00-0988	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	514.20	16.96
33 42 11 00-0989	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	570.65	19.23
33 42 11 00-0990	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	625.47	20.36
33 42 11 00-0991		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0992		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*		
33 42 11 00-0993	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	484.16	19.23
33 42 11 00-0994	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.10	20.36
33 42 11 00-0995	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	665.39	24.88
33 42 11 00-0996	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	732.53	36.19
33 42 11 00-0997	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	785.88	39.59
33 42 11 00-0998	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.89	42.41
33 42 11 00-0999	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	889.64	45.24
33 42 11 00-1000	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	941.92	48.06
33 42 11 00-1001		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*		
33 42 11 00-1002	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	677.16	20.36
33 42 11 00-1003	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	830.21	24.88
33 42 11 00-1004	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	911.91	36.19
33 42 11 00-1005	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	979.56	39.59
33 42 11 00-1006	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,045.94	42.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1007	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,112.22	45.24
33 42 11 00-1008	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,178.73	48.06
33 42 11 00-1009	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,247.29	50.90
33 42 11 00-1010	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,316.85	56.55
33 42 11 00-1011	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,392.23	62.20

33 42 11 00-1012 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*

33 42 11 00-1013	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,074.65	36.19
33 42 11 00-1014	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,155.75	39.59
33 42 11 00-1015	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,235.57	42.41
33 42 11 00-1016	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,314.93	45.24
33 42 11 00-1017	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,394.84	48.06
33 42 11 00-1018	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,476.71	50.90
33 42 11 00-1019	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,559.67	56.55
33 42 11 00-1020	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,647.27	62.20
33 42 11 00-1021	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,750.01	67.86

33 42 11 00-1022 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*

33 42 11 00-1023 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1022)*

33 42 11 00-1024	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	897.28	36.19
33 42 11 00-1025	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	961.27	39.59
33 42 11 00-1026	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,023.08	42.41
33 42 11 00-1027	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,084.81	45.24
33 42 11 00-1028	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,147.37	48.06
33 42 11 00-1029	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,212.52	50.90
33 42 11 00-1030	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,278.55	56.55
33 42 11 00-1031	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,358.87	62.20

33 42 11 00-1032 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1022)*

33 42 11 00-1033	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,070.84	36.19
33 42 11 00-1034	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,148.61	39.59
33 42 11 00-1035	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,224.51	42.41
33 42 11 00-1036	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,300.80	45.24
33 42 11 00-1037	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,375.20	48.06
33 42 11 00-1038	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,456.26	50.90
33 42 11 00-1039	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,536.74	56.55
33 42 11 00-1040	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,631.50	62.20
33 42 11 00-1041	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,720.33	67.86

33 42 11 00-1042 Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0533)*

33 42 11 00-1043 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1044 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*

33 42 11 00-1045	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	36.95	5.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.31*	
33 42 11 00-1046	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.98	5.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.99*	
33 42 11 00-1047	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.23	6.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.74*	
33 42 11 00-1048	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.82	6.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.82*	
33 42 11 00-1049	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	66.83	7.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.20*	
33 42 11 00-1050	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.41	9.42
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.50*	
33 42 11 00-1051	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	112.27	12.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.70*	
33 42 11 00-1052	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.38	14.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.04*	
33 42 11 00-1053	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.30	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.98*	

33 42 11 00-1054 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*

33 42 11 00-1055	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.52	5.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.80*	
33 42 11 00-1056	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	50.86	5.76
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.29*	
33 42 11 00-1057	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.43	6.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.86*	
33 42 11 00-1058	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.33	6.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1059	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	77.86	7.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.00*	
33 42 11 00-1060	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.91	9.42
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.69*	
33 42 11 00-1061	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.61	12.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.20*	
33 42 11 00-1062	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.18	14.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.92*	
33 42 11 00-1063	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	167.73	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.60*	
33 42 11 00-1064	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	203.56	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.38*	

33 42 11 00-1065 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*

33 42 11 00-1066	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.66	6.28
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.85*	
33 42 11 00-1067	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.45	6.81
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.39*	
33 42 11 00-1068	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.71	7.33
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.57*	
33 42 11 00-1069	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	129.43	9.42
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.67*	
33 42 11 00-1070	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	163.01	12.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.37*	
33 42 11 00-1071	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.05	14.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.46*	
33 42 11 00-1072	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.22	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.86*	
33 42 11 00-1073	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	255.51	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.92*	
33 42 11 00-1074	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	279.23	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.31*	
33 42 11 00-1075	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.19	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.09*	

33 42 11 00-1076 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*

33 42 11 00-1077	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.95	12.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.17*	
33 42 11 00-1078	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.24	14.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.72*	
33 42 11 00-1079	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.30	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.59*	
33 42 11 00-1080	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.57	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.75*	
33 42 11 00-1081	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	330.49	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.66*	
33 42 11 00-1082	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	398.50	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.16*	
33 42 11 00-1083	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	446.96	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.00*	

33 42 11 00-1084 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1085 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1084)*

33 42 11 00-1086	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	136.59	12.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.57*	
33 42 11 00-1087	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.21	14.70
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.30*	
33 42 11 00-1088	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	177.61	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.80*	
33 42 11 00-1089	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	214.54	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.05*	
33 42 11 00-1090	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	233.74	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.60*	
33 42 11 00-1091	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.81	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.83*	
33 42 11 00-1092	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	336.40	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.55*	
33 42 11 00-1093	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.97	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.28*	
33 42 11 00-1094	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	382.06	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.03*	
33 42 11 00-1095	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	404.17	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.79*	
33 42 11 00-1096	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	426.62	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*115.52*	
33 42 11 00-1097	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	450.79	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1098		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1084)*		
33 42 11 00-1099	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	242.48	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.77*	
33 42 11 00-1100	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.62	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.69*	
33 42 11 00-1101	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	330.79	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.90*	
33 42 11 00-1102	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	373.43	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.98*	
33 42 11 00-1103	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	400.00	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.06*	
33 42 11 00-1104	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	425.24	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.19*	
33 42 11 00-1105	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	450.28	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.27*	
33 42 11 00-1106	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	475.74	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.35*	
33 42 11 00-1107	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.89	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.46*	
33 42 11 00-1108	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	531.31	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.57*	
33 42 11 00-1109	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.18	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.59*	
33 42 11 00-1110		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1084)*		
33 42 11 00-1111	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	333.27	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.73*	
33 42 11 00-1112	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.80	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.32*	
33 42 11 00-1113	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.05	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.31*	
33 42 11 00-1114	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	489.35	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.34*	
33 42 11 00-1115	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	521.21	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.39*	
33 42 11 00-1116	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	552.97	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.41*	
33 42 11 00-1117	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	585.09	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.42*	
33 42 11 00-1118	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	618.92	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*138.47*	
33 42 11 00-1119	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	653.96	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.49*	
33 42 11 00-1120	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	688.56	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*152.46*	
33 42 11 00-1121	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	722.76	67.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*159.51*	
33 42 11 00-1122		**10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1084)*		
33 42 11 00-1123	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	533.11	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.81*	
33 42 11 00-1124	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	572.60	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.69*	
33 42 11 00-1125	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	610.82	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.65*	
33 42 11 00-1126	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	648.83	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.55*	
33 42 11 00-1127	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	687.36	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*162.47*	
33 42 11 00-1128	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	727.55	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*171.43*	
33 42 11 00-1129	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	768.83	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*180.33*	
33 42 11 00-1130	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	809.73	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*189.18*	
33 42 11 00-1131	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	850.29	67.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*198.14*	
33 42 11 00-1132	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	891.69	73.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*207.02*	
33 42 11 00-1133	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	934.70	79.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*215.96*	
33 42 11 00-1134	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	979.45	84.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*224.92*	
33 42 11 00-1135		**125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1042)*		
33 42 11 00-1136		**16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1135)*		
33 42 11 00-1137	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.50	16.96
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1138	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.16	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.11*	
33 42 11 00-1139	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.16	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.86*	
33 42 11 00-1140	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.66	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.56*	
33 42 11 00-1141	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	332.88	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.45*	
33 42 11 00-1142	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.03	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.33*	
33 42 11 00-1143	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	377.55	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*126.17*	
33 42 11 00-1144	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	398.97	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*132.96*	
33 42 11 00-1145	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	421.11	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.89*	
33 42 11 00-1146	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.17	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*146.97*	

33 42 11 00-1147 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1135)*

33 42 11 00-1148	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	251.09	19.23
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.70*	
33 42 11 00-1149	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.08	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.38*	
33 42 11 00-1150	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	336.05	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.69*	
33 42 11 00-1151	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	378.73	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.30*	
33 42 11 00-1152	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	405.99	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.12*	
33 42 11 00-1153	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	431.39	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.83*	
33 42 11 00-1154	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	454.80	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*123.87*	
33 42 11 00-1155	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	482.51	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.23*	
33 42 11 00-1156	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	509.88	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.94*	
33 42 11 00-1157	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	538.35	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.59*	
33 42 11 00-1158	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	567.06	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.39*	

33 42 11 00-1159 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1135)*

33 42 11 00-1160	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.83	20.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.58*	
33 42 11 00-1161	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	416.25	24.88
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.11*	
33 42 11 00-1162	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.56	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.85*	
33 42 11 00-1163	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	500.53	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*120.51*	
33 42 11 00-1164	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	532.81	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.13*	
33 42 11 00-1165	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	565.47	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.85*	
33 42 11 00-1166	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	598.28	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.49*	
33 42 11 00-1167	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	632.63	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.14*	
33 42 11 00-1168	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	668.51	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*158.85*	
33 42 11 00-1169	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	704.00	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.51*	
33 42 11 00-1170	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	738.78	67.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*174.17*	

33 42 11 00-1171 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1135)*

33 42 11 00-1172	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	550.65	36.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.90*	
33 42 11 00-1173	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.45	39.59
		For 1/2 Bituminous Coated And 25% Paved, Add	*146.80*	
33 42 11 00-1174	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	632.04	42.41
		For 1/2 Bituminous Coated And 25% Paved, Add	*156.50*	
33 42 11 00-1175	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	671.31	45.24
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.12*	
33 42 11 00-1176	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	711.26	48.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*175.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1177	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	752.60	50.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*185.45*	
33 42 11 00-1178	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	795.41	56.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*195.14*	
33 42 11 00-1179	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	837.94	62.20
		For 1/2 Bituminous Coated And 25% Paved, Add	*204.82*	
33 42 11 00-1180	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	879.60	67.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*214.45*	
33 42 11 00-1181	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	933.19	73.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*227.17*	
33 42 11 00-1182	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	980.29	79.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*237.64*	
33 42 11 00-1183	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,030.51	84.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*248.52*	

33 42 11 00-1184 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*

33 42 11 00-1185 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*

33 42 11 00-1186	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	60.64	6.28
33 42 11 00-1187	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	70.69	6.81
33 42 11 00-1188	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	79.70	7.33
33 42 11 00-1189	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.12	9.42
33 42 11 00-1190	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	130.71	12.44
33 42 11 00-1191	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.65	14.70
33 42 11 00-1192	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	171.04	16.96
33 42 11 00-1193	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	205.03	19.23
33 42 11 00-1194	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	224.18	20.36

33 42 11 00-1195 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*

33 42 11 00-1196	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	68.73	6.28
33 42 11 00-1197	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.15	6.81
33 42 11 00-1198	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.42	7.33
33 42 11 00-1199	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.51	9.42
33 42 11 00-1200	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	146.83	12.44
33 42 11 00-1201	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	170.51	14.70
33 42 11 00-1202	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	192.58	16.96
33 42 11 00-1203	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	229.24	19.23
33 42 11 00-1204	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	251.18	20.36
33 42 11 00-1205	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	306.48	24.88
33 42 11 00-1206	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	348.06	36.19
33 42 11 00-1207	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	373.84	39.59

33 42 11 00-1208 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*

33 42 11 00-1209	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	143.67	9.42
33 42 11 00-1210	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	179.35	12.44
33 42 11 00-1211	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	208.59	14.70
33 42 11 00-1212	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	236.02	16.96
33 42 11 00-1213	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	278.09	19.23
33 42 11 00-1214	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	305.54	20.36
33 42 11 00-1215	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	366.14	24.88
33 42 11 00-1216	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	413.08	36.19
33 42 11 00-1217	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	444.28	39.59
33 42 11 00-1218	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	473.78	42.41
33 42 11 00-1219	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	503.33	45.24
33 42 11 00-1220	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	533.15	48.06
33 42 11 00-1221	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	561.99	50.90

33 42 11 00-1222 Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0533)*

33 42 11 00-1223 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*

33 42 11 00-1224 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1223)*

33 42 11 00-1225	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	45.87	5.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.78*	
33 42 11 00-1226	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.92	6.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.05*	
33 42 11 00-1227	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.13	6.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.11*	
33 42 11 00-1228	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	70.72	7.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.79*	
33 42 11 00-1229	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	90.93	9.42
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.29*	
33 42 11 00-1230	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	118.73	12.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1231		**14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1223)*		
33 42 11 00-1232	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.75	5.76
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.39*	
33 42 11 00-1233	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	61.27	6.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.83*	
33 42 11 00-1234	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.53	6.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.78*	
33 42 11 00-1235	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.59	7.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.57*	
33 42 11 00-1236	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	104.48	9.42
		For 1/2 Bituminous Coated And 40% Paved, Add	*36.18*	
33 42 11 00-1237	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	134.86	12.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*46.10*	
33 42 11 00-1238	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	158.00	14.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.91*	
33 42 11 00-1239		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1223)*		
33 42 11 00-1240	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	78.29	6.28
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.08*	
33 42 11 00-1241	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	91.70	6.81
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.68*	
33 42 11 00-1242	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	104.44	7.33
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.03*	
33 42 11 00-1243	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	133.01	9.42
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.85*	
33 42 11 00-1244	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	169.31	12.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.30*	
33 42 11 00-1245	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	198.19	14.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.96*	
33 42 11 00-1246	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	234.18	16.96
		For 1/2 Bituminous Coated And 40% Paved, Add	*58.29*	
33 42 11 00-1247	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	259.60	19.23
		For 1/2 Bituminous Coated And 40% Paved, Add	*64.26*	
33 42 11 00-1248		**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1223)*		
33 42 11 00-1249	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	200.25	12.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.47*	
33 42 11 00-1250	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	234.27	14.70
		For 1/2 Bituminous Coated And 40% Paved, Add	*51.37*	
33 42 11 00-1251	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	275.10	16.96
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.66*	
33 42 11 00-1252	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	305.88	19.23
		For 1/2 Bituminous Coated And 40% Paved, Add	*67.16*	
33 42 11 00-1253	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	335.17	20.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.64*	
33 42 11 00-1254		**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1222)*		
33 42 11 00-1255		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1254)*		
33 42 11 00-1256	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	247.99	19.23
		For 1/2 Bituminous Coated And 40% Paved, Add	*96.51*	
33 42 11 00-1257	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	271.19	20.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*105.61*	
33 42 11 00-1258	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	338.36	24.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*132.65*	
33 42 11 00-1259	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	382.46	36.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*142.20*	
33 42 11 00-1260	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	411.61	39.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*152.26*	
33 42 11 00-1261	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	439.27	42.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*162.34*	
33 42 11 00-1262	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	466.83	45.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.37*	
33 42 11 00-1263	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	494.85	48.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*182.42*	
33 42 11 00-1264		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1254)*		
33 42 11 00-1265	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	339.89	20.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*120.02*	
33 42 11 00-1266	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	414.52	24.88
		For 1/2 Bituminous Coated And 40% Paved, Add	*146.68*	
33 42 11 00-1267	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	465.40	36.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*157.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1268	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	501.16	39.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*169.22*	
33 42 11 00-1269	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	535.60	42.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*180.76*	
33 42 11 00-1270	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	569.94	45.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*192.26*	
33 42 11 00-1271	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	604.58	48.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*203.72*	
33 42 11 00-1272	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	641.04	50.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*215.28*	
33 42 11 00-1273	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	678.65	56.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*226.79*	
33 42 11 00-1274	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	718.92	62.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*239.45*	

33 42 11 00-1275 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1254)*

33 42 11 00-1276	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	542.40	36.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*170.76*	
33 42 11 00-1277	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	584.58	39.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*183.46*	
33 42 11 00-1278	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	625.31	42.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*196.20*	
33 42 11 00-1279	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	665.85	45.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*208.86*	
33 42 11 00-1280	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	711.10	48.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*223.08*	
33 42 11 00-1281	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	749.61	50.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*234.29*	
33 42 11 00-1282	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	793.57	56.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*247.01*	
33 42 11 00-1283	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	839.57	62.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*260.55*	
33 42 11 00-1284	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	892.41	67.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*276.83*	

33 42 11 00-1285 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*

33 42 11 00-1286 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1285)*

33 42 11 00-1287	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	473.17	36.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*155.26*	
33 42 11 00-1288	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	508.25	39.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*166.05*	
33 42 11 00-1289	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	541.53	42.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*176.75*	
33 42 11 00-1290	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	574.77	45.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.42*	
33 42 11 00-1291	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	608.57	48.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.15*	
33 42 11 00-1292	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	644.45	50.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.09*	
33 42 11 00-1293	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	681.48	56.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*219.96*	
33 42 11 00-1294	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	725.38	62.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.59*	

33 42 11 00-1295 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1285)*

33 42 11 00-1296	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	558.48	36.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.22*	
33 42 11 00-1297	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	600.39	39.59
		For 1/2 Bituminous Coated And 40% Paved, Add	*184.51*	
33 42 11 00-1298	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	640.55	42.41
		For 1/2 Bituminous Coated And 40% Paved, Add	*196.73*	
33 42 11 00-1299	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	680.92	45.24
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.02*	
33 42 11 00-1300	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	720.56	48.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*220.90*	
33 42 11 00-1301	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	764.26	50.90
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.67*	
33 42 11 00-1302	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	808.39	56.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*246.13*	
33 42 11 00-1303	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	859.26	62.20
		For 1/2 Bituminous Coated And 40% Paved, Add	*261.06*	
33 42 11 00-1304	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	907.12	67.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*275.17*	

33 42 11 00-1305 Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0533)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1306		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*		
33 42 11 00-1307		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1306)*		
33 42 11 00-1308	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	22.90	3.14
		For Bituminous Coated Pipe, Add	*3.19*	
33 42 11 00-1309	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	30.18	3.93
		For Bituminous Coated Pipe, Add	*4.33*	
33 42 11 00-1310	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	39.41	4.71
		For Bituminous Coated Pipe, Add	*5.71*	
33 42 11 00-1311		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1306)*		
33 42 11 00-1312	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	26.56	3.14
		For Bituminous Coated Pipe, Add	*3.16*	
33 42 11 00-1313	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	35.36	3.93
		For Bituminous Coated Pipe, Add	*4.33*	
33 42 11 00-1314	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	46.31	4.71
		For Bituminous Coated Pipe, Add	*5.72*	
33 42 11 00-1315		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*		
33 42 11 00-1316		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1317	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	45.36	5.50
		For Bituminous Coated Pipe, Add	*6.28*	
33 42 11 00-1318	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.42	5.76
		For Bituminous Coated Pipe, Add	*7.88*	
33 42 11 00-1319	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	64.02	6.28
		For Bituminous Coated Pipe, Add	*9.58*	
33 42 11 00-1320	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	75.02	6.81
		For Bituminous Coated Pipe, Add	*11.43*	
33 42 11 00-1321	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	84.42	7.33
		For Bituminous Coated Pipe, Add	*12.96*	
33 42 11 00-1322		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1323	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	53.21	5.50
		For Bituminous Coated Pipe, Add	*6.14*	
33 42 11 00-1324	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	64.42	5.76
		For Bituminous Coated Pipe, Add	*7.73*	
33 42 11 00-1325	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	76.01	6.28
		For Bituminous Coated Pipe, Add	*9.37*	
33 42 11 00-1326	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	88.91	6.81
		For Bituminous Coated Pipe, Add	*11.12*	
33 42 11 00-1327	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	100.37	7.33
		For Bituminous Coated Pipe, Add	*12.64*	
33 42 11 00-1328	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	129.58	9.42
		For Bituminous Coated Pipe, Add	*16.21*	
33 42 11 00-1329	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	163.46	12.44
		For Bituminous Coated Pipe, Add	*20.15*	
33 42 11 00-1330		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1331	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	130.87	7.33
		For Bituminous Coated Pipe, Add	*12.00*	
33 42 11 00-1332	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	167.54	9.42
		For Bituminous Coated Pipe, Add	*15.26*	
33 42 11 00-1333	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	209.05	12.44
		For Bituminous Coated Pipe, Add	*18.81*	
33 42 11 00-1334	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	243.62	14.70
		For Bituminous Coated Pipe, Add	*22.13*	
33 42 11 00-1335	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	275.65	16.96
		For Bituminous Coated Pipe, Add	*25.05*	
33 42 11 00-1336	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	325.75	19.23
		For Bituminous Coated Pipe, Add	*29.71*	
33 42 11 00-1337		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1338	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	257.65	12.44
		For Bituminous Coated Pipe, Add	*18.50*	
33 42 11 00-1339	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	300.23	14.70
		For Bituminous Coated Pipe, Add	*21.72*	
33 42 11 00-1340	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	340.54	16.96
		For Bituminous Coated Pipe, Add	*24.64*	
33 42 11 00-1341	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	398.74	19.23
		For Bituminous Coated Pipe, Add	*28.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1342	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	438.93	20.36
		For Bituminous Coated Pipe, Add	*31.87*	

33 42 11 00-1343 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*

33 42 11 00-1344 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*

33 42 11 00-1345	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	127.10	9.42
33 42 11 00-1346	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	160.36	12.44
33 42 11 00-1347	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	185.81	14.70
33 42 11 00-1348	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	210.61	16.96
33 42 11 00-1349	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	250.39	19.23

33 42 11 00-1350 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*

33 42 11 00-1351	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	147.10	9.42
33 42 11 00-1352	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	188.89	12.44
33 42 11 00-1353	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	218.92	14.70
33 42 11 00-1354	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	246.75	16.96
33 42 11 00-1355	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	292.73	19.23
33 42 11 00-1356	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	320.27	20.36
33 42 11 00-1357	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	390.61	24.88
33 42 11 00-1358	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	438.33	36.19
33 42 11 00-1359	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	470.05	39.59

33 42 11 00-1360 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*

33 42 11 00-1361	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	193.78	9.42
33 42 11 00-1362	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	241.39	12.44
33 42 11 00-1363	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	281.66	14.70
33 42 11 00-1364	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	318.70	16.96
33 42 11 00-1365	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	373.49	19.23
33 42 11 00-1366	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	409.71	20.36
33 42 11 00-1367	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	488.70	24.88
33 42 11 00-1368	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	545.30	36.19
33 42 11 00-1369	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	585.78	39.59
33 42 11 00-1370	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	624.85	42.41
33 42 11 00-1371	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	663.79	45.24
33 42 11 00-1372	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	703.14	48.06

33 42 11 00-1373 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*

33 42 11 00-1374	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	503.78	20.36
33 42 11 00-1375	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	588.21	24.88
33 42 11 00-1376	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	653.75	36.19
33 42 11 00-1377	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	703.16	39.59
33 42 11 00-1378	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	751.02	42.41
33 42 11 00-1379	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	798.87	45.24
33 42 11 00-1380	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	847.09	48.06
33 42 11 00-1381	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	897.06	50.90
33 42 11 00-1382	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	948.21	56.55

33 42 11 00-1383 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1305)*

Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.

33 42 11 00-1384 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*

33 42 11 00-1385	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.94	6.28
33 42 11 00-1386	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.74	6.81
33 42 11 00-1387	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.20	7.33
33 42 11 00-1388	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.87	8.38
33 42 11 00-1389	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	154.49	9.42
33 42 11 00-1390	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.59	10.47

33 42 11 00-1391 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*

33 42 11 00-1392	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.86	6.28
33 42 11 00-1393	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	126.11	6.81
33 42 11 00-1394	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.94	7.33
33 42 11 00-1395	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.40	8.38
33 42 11 00-1396	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	182.80	9.42
33 42 11 00-1397	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	205.79	10.47
33 42 11 00-1398	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	227.72	12.44
33 42 11 00-1399	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.37	14.70
33 42 11 00-1400	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	300.42	16.96

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1401		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1402	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	238.16	9.42
33 42 11 00-1403	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	266.56	10.47
33 42 11 00-1404	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.11	12.44
33 42 11 00-1405	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.90	14.70
33 42 11 00-1406	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.03	16.96
33 42 11 00-1407	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	549.49	19.23
33 42 11 00-1408	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	605.36	20.36
33 42 11 00-1409		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1410	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	569.56	16.96
33 42 11 00-1411	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	660.80	19.23
33 42 11 00-1412	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.16	20.36
33 42 11 00-1413	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	844.87	24.88
33 42 11 00-1414	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	931.73	36.19
33 42 11 00-1415	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,003.47	39.59
33 42 11 00-1416	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,072.99	42.41
33 42 11 00-1417		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0533)*		
33 42 11 00-1418		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1419		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1420	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	57.99	5.76
		For Bituminous Coated Pipe, Add	*7.89*	
33 42 11 00-1421	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	67.40	6.28
		For Bituminous Coated Pipe, Add	*9.43*	
33 42 11 00-1422	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	78.87	6.81
		For Bituminous Coated Pipe, Add	*11.22*	
33 42 11 00-1423		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1424	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	68.01	5.76
		For Bituminous Coated Pipe, Add	*7.87*	
33 42 11 00-1425	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	77.02	6.28
		For Bituminous Coated Pipe, Add	*9.07*	
33 42 11 00-1426	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	92.77	6.81
		For Bituminous Coated Pipe, Add	*11.14*	
33 42 11 00-1427	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	105.60	7.33
		For Bituminous Coated Pipe, Add	*12.77*	
33 42 11 00-1428	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	134.78	9.42
		For Bituminous Coated Pipe, Add	*16.16*	
33 42 11 00-1429		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1430	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	136.11	7.33
		For Bituminous Coated Pipe, Add	*12.18*	
33 42 11 00-1431	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	172.84	9.42
		For Bituminous Coated Pipe, Add	*15.35*	
33 42 11 00-1432	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	218.01	12.44
		For Bituminous Coated Pipe, Add	*19.16*	
33 42 11 00-1433	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	255.42	14.70
		For Bituminous Coated Pipe, Add	*22.66*	
33 42 11 00-1434		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1435	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	266.54	12.44
		For Bituminous Coated Pipe, Add	*18.49*	
33 42 11 00-1436	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	312.12	14.70
		For Bituminous Coated Pipe, Add	*21.82*	
33 42 11 00-1437	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	364.41	16.96
		For Bituminous Coated Pipe, Add	*25.56*	
33 42 11 00-1438	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	406.58	19.23
		For Bituminous Coated Pipe, Add	*28.44*	
33 42 11 00-1439		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1440		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1439)*		
33 42 11 00-1441	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	300.57	19.23
33 42 11 00-1442	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	329.39	20.36
33 42 11 00-1443	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	401.89	24.88
33 42 11 00-1444		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1439)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1445	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	381.34	19.23
33 42 11 00-1446	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	418.83	20.36
33 42 11 00-1447	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	499.58	24.88
33 42 11 00-1448	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	557.01	36.19
33 42 11 00-1449	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	598.30	39.59
33 42 11 00-1450	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	638.20	42.41
33 42 11 00-1451		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1439)*		
33 42 11 00-1452	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	512.77	20.36
33 42 11 00-1453	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	598.69	24.88
33 42 11 00-1454	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	665.02	36.19
33 42 11 00-1455	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	715.26	39.59
33 42 11 00-1456	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	763.95	42.41
33 42 11 00-1457	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	812.60	45.24
33 42 11 00-1458		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0533)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1459		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1458)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1460	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	42.64	
33 42 11 00-1461	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	53.48	
33 42 11 00-1462	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	64.31	
33 42 11 00-1463	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	75.82	
33 42 11 00-1464	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	92.07	
33 42 11 00-1465	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	108.31	
33 42 11 00-1466	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	124.56	
33 42 11 00-1467	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	140.80	
33 42 11 00-1468	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	183.45	
33 42 11 00-1469	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	218.65	
33 42 11 00-1470	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	253.85	
33 42 11 00-1471	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	328.31	
33 42 11 00-1472	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	370.29	
33 42 11 00-1473	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	413.61	
33 42 11 00-1474	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	458.29	
33 42 11 00-1475	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	558.48	
33 42 11 00-1476	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	609.24	
33 42 11 00-1477	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	661.37	
33 42 11 00-1478	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	811.65	
33 42 11 00-1479	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	871.22	
33 42 11 00-1480	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	931.47	
33 42 11 00-1481	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	991.71	
33 42 11 00-1482	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,051.28	
33 42 11 00-1483	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,111.53	
33 42 11 00-1484	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,175.05	
33 42 11 00-1485	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,242.20	
33 42 11 00-1486	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,313.18	
33 42 11 00-1487		**Fabricate Corrugated Steel Pipe Tees Or Laterals** *(33 42 11 00-1458)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1488	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	55.51	
33 42 11 00-1489	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	71.08	
33 42 11 00-1490	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	86.64	
33 42 11 00-1491	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	102.22	
33 42 11 00-1492	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	124.56	
33 42 11 00-1493	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	147.57	
33 42 11 00-1494	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	170.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1495	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	193.60	
33 42 11 00-1496	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	253.85	
33 42 11 00-1497	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	302.59	
33 42 11 00-1498	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	352.01	
33 42 11 00-1499	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	456.92	
33 42 11 00-1500	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	514.47	
33 42 11 00-1501	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	574.03	
33 42 11 00-1502	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	634.96	
33 42 11 00-1503	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	774.40	
33 42 11 00-1504	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	843.46	
33 42 11 00-1505	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	913.87	
33 42 11 00-1506	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,124.37	
33 42 11 00-1507	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	1,204.94	
33 42 11 00-1508	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	1,285.49	
33 42 11 00-1509	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	1,366.72	
33 42 11 00-1510	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	1,447.96	
33 42 11 00-1511	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	1,528.51	
33 42 11 00-1512	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	1,613.54	
33 42 11 00-1513	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	1,703.31	
33 42 11 00-1514	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	1,798.04	

33 42 11 00-1515 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1458)*

Note: Applied to pipe tasks.

33 42 11 00-1516	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	21.02	
33 42 11 00-1517	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	26.44	
33 42 11 00-1518	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	33.26	
33 42 11 00-1519	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	40.72	
33 42 11 00-1520	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	51.54	
33 42 11 00-1521	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	63.10	
33 42 11 00-1522	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.91	
33 42 11 00-1523	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	85.87	
33 42 11 00-1524	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	105.48	
33 42 11 00-1525	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	125.76	
33 42 11 00-1526	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	150.06	
33 42 11 00-1527	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	184.58	
33 42 11 00-1528	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	208.93	
33 42 11 00-1529	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	235.28	
33 42 11 00-1530	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	285.33	
33 42 11 00-1531	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	316.42	
33 42 11 00-1532	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	386.07	
33 42 11 00-1533	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	420.56	
33 42 11 00-1534	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	457.08	
33 42 11 00-1535	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	492.90	
33 42 11 00-1536	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	529.41	
33 42 11 00-1537	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	566.58	
33 42 11 00-1538	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	603.11	
33 42 11 00-1539	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	639.61	
33 42 11 00-1540	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	678.33	
33 42 11 00-1541	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	719.37	
33 42 11 00-1542	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	762.91	

33 42 11 00-1543 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1544	EA	6" Saddle, Corrugated Steel Pipe Fitting	294.45	
33 42 11 00-1545	EA	8" Saddle, Corrugated Steel Pipe Fitting	331.64	
33 42 11 00-1546	EA	10" Saddle, Corrugated Steel Pipe Fitting	380.39	
33 42 11 00-1547	EA	12" Saddle, Corrugated Steel Pipe Fitting	466.03	
33 42 11 00-1548	EA	15" Saddle, Corrugated Steel Pipe Fitting	577.85	
33 42 11 00-1549	EA	18" Saddle, Corrugated Steel Pipe Fitting	692.01	
33 42 11 00-1550	EA	21" Saddle, Corrugated Steel Pipe Fitting	875.27	
33 42 11 00-1551	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,042.05	
33 42 11 00-1552	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,308.31	
33 42 11 00-1553	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,692.41	
33 42 11 00-1554	EA	42" Saddle, Corrugated Steel Pipe Fitting	2,000.80	
33 42 11 00-1555	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,354.79	
33 42 11 00-1556	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,803.42	
33 42 11 00-1557	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,326.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1558	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,786.75	
33 42 11 00-1559	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,217.49	
33 42 11 00-1560	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,941.18	
33 42 11 00-1561	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,460.66	
33 42 11 00-1562	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,474.26	
33 42 11 00-1563	EA	96" Saddle, Corrugated Steel Pipe Fitting	7,160.02	
33 42 11 00-1564	EA	102" Saddle, Corrugated Steel Pipe Fitting	8,129.34	
33 42 11 00-1565	EA	108" Saddle, Corrugated Steel Pipe Fitting	9,230.69	
33 42 11 00-1566	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,480.59	
33 42 11 00-1567	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,898.99	

33 42 11 00-1568 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1569	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	18.28	
		For Bituminous Coated, Add	*5.30*	
33 42 11 00-1570	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	24.27	
		For Bituminous Coated, Add	*7.04*	
33 42 11 00-1571	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.57	
		For Bituminous Coated, Add	*8.87*	
33 42 11 00-1572	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	50.74	
		For Bituminous Coated, Add	*14.71*	
33 42 11 00-1573	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	63.98	
		For Bituminous Coated, Add	*18.55*	
33 42 11 00-1574	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	93.86	
		For Bituminous Coated, Add	*27.22*	
33 42 11 00-1575	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	111.41	
		For Bituminous Coated, Add	*32.31*	
33 42 11 00-1576	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	126.32	
		For Bituminous Coated, Add	*36.63*	
33 42 11 00-1577	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	218.61	
		For Bituminous Coated, Add	*63.40*	
33 42 11 00-1578	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	349.77	
		For Bituminous Coated, Add	*83.94*	
33 42 11 00-1579	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	410.96	
		For Bituminous Coated, Add	*98.63*	
33 42 11 00-1580	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	460.50	
		For Bituminous Coated, Add	*110.52*	
33 42 11 00-1581	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	653.06	
		For Bituminous Coated, Add	*156.73*	
33 42 11 00-1582	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	934.07	
		For Bituminous Coated, Add	*168.13*	
33 42 11 00-1583	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,147.96	
		For Bituminous Coated, Add	*206.63*	
33 42 11 00-1584	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,474.61	
		For Bituminous Coated, Add	*206.45*	
33 42 11 00-1585	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,577.20	
		For Bituminous Coated, Add	*220.81*	
33 42 11 00-1586	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,680.36	
		For Bituminous Coated, Add	*235.25*	
33 42 11 00-1587	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,783.00	
		For Bituminous Coated, Add	*249.62*	
33 42 11 00-1588	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,885.89	
		For Bituminous Coated, Add	*264.02*	
33 42 11 00-1589	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,989.05	
		For Bituminous Coated, Add	*278.47*	
33 42 11 00-1590	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,091.74	
		For Bituminous Coated, Add	*292.84*	
33 42 11 00-1591	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,477.44	
		For Bituminous Coated, Add	*297.29*	
33 42 11 00-1592	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,296.96	
		For Bituminous Coated, Add	*275.64*	
33 42 11 00-1593	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,399.34	
		For Bituminous Coated, Add	*287.92*	
33 42 11 00-1594	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,502.44	
		For Bituminous Coated, Add	*300.29*	
33 42 11 00-1595	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,605.66	
		For Bituminous Coated, Add	*312.68*	

33 42 11 00-1596 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1597	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	368.98	62.85
33 42 11 00-1598	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	451.38	78.55
33 42 11 00-1599	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	521.66	104.74
33 42 11 00-1600	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	782.17	146.64
33 42 11 00-1601	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	931.61	167.59
33 42 11 00-1602	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,262.46	192.27
33 42 11 00-1603	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,521.23	226.20
33 42 11 00-1604	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,749.85	226.20
33 42 11 00-1605	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,165.45	316.69
33 42 11 00-1606	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,524.44	316.69
33 42 11 00-1607	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,951.58	395.85
33 42 11 00-1608	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,197.77	421.30

33 42 11 00-1609 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1458)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1610	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	548.04	83.79
33 42 11 00-1611	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	626.76	104.74
33 42 11 00-1612	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	717.40	136.16
33 42 11 00-1613	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,062.91	188.53
33 42 11 00-1614	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,395.34	219.95
33 42 11 00-1615	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,878.83	260.14
33 42 11 00-1616	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,264.23	305.37
33 42 11 00-1617	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,661.39	305.37
33 42 11 00-1618	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,229.10	418.47
33 42 11 00-1619	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,721.47	418.47
33 42 11 00-1620	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,249.92	531.57
33 42 11 00-1621	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,537.13	565.51

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1033 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	404.16	28.28
		For Each LF Of Cut-Off Section, Add	*16.17*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	463.36	28.28
		For Each LF Of Cut-Off Section, Add	*18.53*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	558.98	28.28
		For Each LF Of Cut-Off Section, Add	*22.36*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	667.98	35.35
		For Each LF Of Cut-Off Section, Add	*26.72*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	686.20	35.35
		For Each LF Of Cut-Off Section, Add	*27.45*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	695.30	35.35
		For Each LF Of Cut-Off Section, Add	*27.81*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	716.20	36.76
		For Each LF Of Cut-Off Section, Add	*28.65*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	720.75	36.76
		For Each LF Of Cut-Off Section, Add	*28.83*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	802.71	36.76
		For Each LF Of Cut-Off Section, Add	*32.11*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	813.42	42.41
		For Each LF Of Cut-Off Section, Add	*32.54*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	842.33	57.68
		For Each LF Of Cut-Off Section, Add	*33.69*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	807.27	36.76
		For Each LF Of Cut-Off Section, Add	*32.29*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	817.98	42.41
		For Each LF Of Cut-Off Section, Add	*32.72*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	831.64	42.41
		For Each LF Of Cut-Off Section, Add	*33.27*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	991.36	56.55
		For Each LF Of Cut-Off Section, Add	*39.65*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	995.00	56.55
		For Each LF Of Cut-Off Section, Add	*39.80*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,082.79	70.69
		For Each LF Of Cut-Off Section, Add	*43.31*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,108.84	56.55
		For Each LF Of Cut-Off Section, Add	*44.35*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,149.27	70.69
		For Each LF Of Cut-Off Section, Add	*45.97*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,153.82	70.69
		For Each LF Of Cut-Off Section, Add	*46.15*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,436.14	70.69
		For Each LF Of Cut-Off Section, Add	*57.45*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,481.13	84.82
		For Each LF Of Cut-Off Section, Add	*59.25*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,499.34	84.82
		For Each LF Of Cut-Off Section, Add	*59.97*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,503.89	84.82
		For Each LF Of Cut-Off Section, Add	*60.16*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,510.27	84.82
		For Each LF Of Cut-Off Section, Add	*60.41*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,544.32	98.96
		For Each LF Of Cut-Off Section, Add	*61.77*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,544.32	98.96
		For Each LF Of Cut-Off Section, Add	*61.77*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,544.32	98.96
		For Each LF Of Cut-Off Section, Add	*61.77*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,544.32	98.96
		For Each LF Of Cut-Off Section, Add	*61.77*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,317.87	113.10
		For Each LF Of Cut-Off Section, Add	*92.71*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,319.64	113.10
		For Each LF Of Cut-Off Section, Add	*132.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0033		**Precast Reinforced Concrete Box Culvert For Roadways** *(33 42 13 13)* Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1033 for crane lifting equipment.		
33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,101.30	28.28
		For Each LF Of Cut-Off Section, Add	*44.05*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,188.77	28.28
		For Each LF Of Cut-Off Section, Add	*47.55*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,343.58	28.28
		For Each LF Of Cut-Off Section, Add	*53.74*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,511.74	35.35
		For Each LF Of Cut-Off Section, Add	*60.47*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,666.55	35.35
		For Each LF Of Cut-Off Section, Add	*66.66*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,821.36	35.35
		For Each LF Of Cut-Off Section, Add	*72.85*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,669.23	36.76
		For Each LF Of Cut-Off Section, Add	*66.77*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,824.04	36.76
		For Each LF Of Cut-Off Section, Add	*72.96*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,133.66	36.76
		For Each LF Of Cut-Off Section, Add	*85.35*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,989.56	42.41
		For Each LF Of Cut-Off Section, Add	*79.58*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,328.05	57.68
		For Each LF Of Cut-Off Section, Add	*93.12*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,824.04	36.76
		For Each LF Of Cut-Off Section, Add	*72.96*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,989.56	42.41
		For Each LF Of Cut-Off Section, Add	*79.58*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,144.37	42.41
		For Each LF Of Cut-Off Section, Add	*85.77*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,325.90	56.55
		For Each LF Of Cut-Off Section, Add	*93.04*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,480.71	56.55
		For Each LF Of Cut-Off Section, Add	*99.23*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,817.10	70.69
		For Each LF Of Cut-Off Section, Add	*112.68*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,506.05	56.55
		For Each LF Of Cut-Off Section, Add	*100.24*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,863.69	70.69
		For Each LF Of Cut-Off Section, Add	*114.55*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,830.00	70.69
		For Each LF Of Cut-Off Section, Add	*113.20*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,013.83	70.69
		For Each LF Of Cut-Off Section, Add	*120.55*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,224.41	84.82
		For Each LF Of Cut-Off Section, Add	*128.98*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,408.24	84.82
		For Each LF Of Cut-Off Section, Add	*136.33*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,592.09	84.82
		For Each LF Of Cut-Off Section, Add	*143.68*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,775.92	84.82
		For Each LF Of Cut-Off Section, Add	*151.04*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,740.13	98.96
		For Each LF Of Cut-Off Section, Add	*149.61*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,949.08	98.96
		For Each LF Of Cut-Off Section, Add	*157.96*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,367.06	98.96
		For Each LF Of Cut-Off Section, Add	*174.68*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,785.03	98.96
		For Each LF Of Cut-Off Section, Add	*191.40*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,740.62	113.10
		For Each LF Of Cut-Off Section, Add	*229.62*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,319.61	113.10
		For Each LF Of Cut-Off Section, Add	*292.78*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001		**Headwalls** *(33 42 23)* Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 42 23 00-0002		**Cast In Place Concrete Headwalls** *(33 42 23 00-0001)* Note: Includes concrete, forms, rebar (where required), finish and curing.		
33 42 23 00-0003		**Skewed Wingwall, Cast In Place Concrete Headwall** *(33 42 23 00-0002)* Note: Sized by pipe diameter.		
33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	996.55	324.40
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,245.67	346.03
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,647.11	453.25
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,652.25	648.80
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,721.82	865.07
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,129.82	1,140.26
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,513.48	1,572.85
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,571.14	1,853.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,881.69	2,256.73
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,398.64	2,731.80
33 42 23 00-0014		Precast Concrete Headwalls *(33 42 23 00-0001)*		
33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	720.49	94.27
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	736.20	99.51
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	806.53	113.12
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	896.89	120.45
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,260.53	141.40
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,401.19	146.64
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	1,884.54	174.52
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,095.06	192.27
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	2,323.90	203.59
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	2,658.68	203.59
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	3,283.03	254.47
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	4,766.20	305.37
33 42 23 00-0027		Precast Concrete Wingwalls *(33 42 23 00-0001)*		
33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,286.06	1,007.73
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,455.71	1,119.70
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,738.46	1,306.32
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	5,021.22	1,492.93
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,021.22	1,492.93
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,134.32	1,567.58
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	10,651.85	1,604.91
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	10,821.50	1,716.88
33 42 23 00-0036		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,534.59	395.85
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	258.53	36.66
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	310.19	39.28
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	374.47	41.89
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	468.79	45.82
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	522.45	49.75
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	916.76	56.30
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,204.66	67.86
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,934.51	79.17
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,382.17	90.48
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,821.61	113.10
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,284.13	135.72
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	275.07	36.66
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	327.21	39.28
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	400.63	41.89
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	500.20	45.82
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	558.06	49.75
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,026.12	56.30
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,346.08	67.86
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,231.02	79.17
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,764.82	90.48
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,208.57	113.10
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,509.72	135.72
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,968.42	203.59
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,713.79	271.45
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,237.18	291.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,774.92	311.02
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	39.05	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	44.30	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	50.76	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	55.27	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	62.25	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	113.56	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	122.08	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	172.13	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	183.13	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	225.24	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	229.13	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	241.04	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	263.23	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	295.31	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	300.10	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	310.19	39.28
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	374.47	41.89
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	468.79	45.82
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	522.45	49.75
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	295.90	39.28
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	348.05	41.89
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	393.15	45.82
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	450.23	49.75
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	710.86	56.30
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,086.55	67.86
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,771.73	79.17
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,273.70	90.48
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	303.15	39.28
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	363.81	41.89
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	417.78	45.82
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	479.43	49.75
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	760.50	56.30
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,154.25	67.86
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,880.04	79.17
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,398.35	90.48
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,872.83	113.10
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,815.90	135.72
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,282.94	203.59
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,709.56	271.45
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	44.30	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	50.76	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	55.27	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	62.25	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	113.56	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	122.08	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	172.13	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	191.33	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	225.24	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	232.39	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	267.62	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	292.49	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	450.85	36.66
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	529.17	39.28
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	642.45	41.89
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	816.19	45.82
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,098.62	49.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,706.59	56.30
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,353.20	67.86
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,982.41	67.86
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,827.51	79.17
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,534.96	90.48
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,089.80	113.10
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,261.54	135.72
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,198.12	203.59
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,651.83	271.45
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,650.31	291.24
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,281.32	311.02
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,077.56	339.30
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	18,931.26	367.57
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	70.64	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	75.39	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	82.75	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	94.12	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	99.29	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	127.39	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	147.73	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	158.23	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	173.81	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	196.57	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	234.28	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	346.25	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	365.07	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	446.39	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	481.02	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	511.80	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	544.62	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	577.27	
33 42 26 16-0128		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0129		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	549.50	39.28
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	692.03	41.89
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	750.44	45.82
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	808.80	49.75
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,271.86	56.30
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,382.12	67.86
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,541.65	67.86
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,434.04	79.17
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,381.73	90.48
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,131.40	113.10
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,416.70	135.72
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,500.45	203.59
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,935.71	271.45
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,098.50	291.24
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,692.77	311.02
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,014.32	339.30
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,939.28	367.57
33 42 26 16-0147		**Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	75.39	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	82.75	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	86.77	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	95.25	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	104.27	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	134.44	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	151.19	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	173.81	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	196.57	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	234.28	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	308.98	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	396.27	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	524.39	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	599.76	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	625.05	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	644.00	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	668.56	
33 42 26 16-0165		**Low Slope Corrugated Steel Pipe End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0166		**4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	744.82	39.28
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	988.13	41.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,228.15	45.82
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,486.13	49.75
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,560.10	56.30
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,056.42	67.86
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,355.44	79.17

33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

Note: Includes nut and bolt set.

33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	558.72	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,181.89	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,297.24	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,345.14	

33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	786.14	39.28
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,062.44	41.89
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,446.84	45.82
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,713.42	49.75
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,042.61	56.30
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,482.30	67.86
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,888.29	79.17

33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

Note: Includes nut and bolt set.

33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,132.59	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,196.30	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,314.27	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,368.71	

33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*

33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	86.33	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	98.63	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	107.54	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	120.77	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	194.86	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	209.26	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	288.06	

33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*

33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*

33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	901.10	41.89
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,153.17	45.82
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,379.96	49.75
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,725.82	56.30

33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*

Note: Includes nut and bolt set.

33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	673.89	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,279.04	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,345.14	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,008.31	

33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*

33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	86.76	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	99.60	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	108.67	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	125.75	

33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping *(33 42 26)*

33 42 26 19-0001 Corrugated High-Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*

33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	29.78	11.25
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	52.69	16.87
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	70.29	21.09
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	111.07	33.74
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	130.47	37.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	138.82	40.77
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	162.93	44.98
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	207.31	53.42
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	393.58	60.44
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	475.82	67.47

33 42 26 23 Concrete End Sections for Stormwater Piping *(33 42 26)*

33 42 26 23-0001 Precast Concrete End Sections *(33 42 26 23)*

33 42 26 23-0002 Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	668.28	61.44
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	907.62	76.04
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,120.27	96.26
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,277.95	115.11
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,340.20	133.23
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,665.61	168.52
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,024.13	253.12
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,488.07	319.40
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,987.24	400.66
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,253.32	451.84
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	3,527.20	506.12
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	3,807.10	562.67
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	3,960.58	446.46
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	4,459.13	558.07
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	5,245.41	697.58
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	6,187.44	837.09

33 42 26 23-0019 Flared Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	860.88	65.88
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,033.02	82.11
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,247.26	103.94
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,416.33	124.30
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,740.79	143.86
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,008.83	229.76
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,965.57	316.34
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,701.17	399.25
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,206.31	500.92
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,432.42	564.94
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,837.87	632.74
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	4,248.85	702.81
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	4,972.37	809.75
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	5,864.98	903.79
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	6,663.77	1,016.72
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	7,756.68	1,129.54

33 42 26 23-0036 Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,520.06	103.94
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,723.76	124.30
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,121.99	143.86
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,424.80	229.76
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,338.20	316.34
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	2,782.40	357.97
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,226.61	399.25
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	3,819.89	500.92
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	4,078.48	564.94
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	4,559.84	632.74
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	5,047.16	702.81

33 42 26 23-0048 Mitered Precast Concrete End Sections *(33 42 26 23-0001)*

33 42 26 23-0049	EA	12" Round Mitered Precast Concrete End Sections	443.80	65.88
33 42 26 23-0050	EA	15" Round Mitered Precast Concrete End Sections	467.55	82.11
33 42 26 23-0051	EA	18" Round Mitered Precast Concrete End Sections	555.72	103.94
33 42 26 23-0052	EA	24" Round Mitered Precast Concrete End Sections	815.49	143.86
33 42 26 23-0053	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	510.89	82.11
33 42 26 23-0054	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	632.77	103.94
33 42 26 23-0055	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	909.38	143.86

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*

See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*

Note: Inside dimensions.

33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,019.71	159.55
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,228.33	186.95
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,436.94	214.30
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,645.57	241.69
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,854.19	269.04
33 42 31 00-0010		**3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,426.97	158.60
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,737.95	211.46
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,173.74	288.36
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,682.32	336.41
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,031.55	384.48
33 42 31 00-0016		**4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins** *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,540.54	173.01
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,139.27	240.29
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,561.50	312.39
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,956.47	360.44
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,738.25	461.37
33 42 31 00-0022		**Cast In Place, Catch Basin** *(33 42 31 00-0002)*		
		Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		**3' x 3', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,360.66	192.91
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,440.57	205.12
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,601.64	220.30
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	1,804.13	243.86
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	1,970.82	259.57
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,060.72	272.21
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,227.51	287.93
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,313.77	300.61
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,482.68	316.28
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,570.46	328.97
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,737.20	344.68
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	342.16	43.06
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,559.08	223.00
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,659.53	238.67
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,826.99	254.38
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,064.59	281.73
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,244.12	299.51
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,346.75	314.26
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,529.82	332.04
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,632.46	346.80
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,814.07	364.58
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,916.03	379.33
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,097.69	397.12
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	387.22	49.65
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	1,772.16	255.10
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	1,879.01	271.29
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,064.88	290.47
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,337.90	321.66
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,533.75	341.51
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,650.54	358.38
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,846.40	378.23
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,963.85	395.09
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,159.71	414.95
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,276.48	431.81
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,472.35	451.71
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	434.02	56.47
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,062.38	295.80
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,189.73	312.53
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,394.69	334.16
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,706.48	369.62
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,923.19	392.02
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,060.87	411.39
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,276.90	433.79
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,414.58	453.21
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,631.27	475.60
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,766.83	494.96
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,984.98	517.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	498.14	64.69
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	2,673.22	375.20
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,020.95	414.61
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,254.16	439.16
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,406.24	460.70
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,635.86	485.21
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,790.06	506.74
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,021.15	531.30
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,171.76	552.83
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,404.98	577.34
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	961.05	72.19
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,965.21	418.41
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,511.17	473.63
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,769.03	500.92
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,945.74	525.39
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,205.07	552.88
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,383.91	577.34
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,641.76	604.83
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,818.48	629.29
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,076.35	656.78
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	634.54	82.09
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,273.53	463.63
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	3,875.96	524.24
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,150.63	553.94
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,344.80	580.61
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,617.35	610.31
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,813.00	636.98
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,086.21	666.68
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,279.72	693.36
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,554.39	723.06
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	694.32	90.40
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,594.58	511.02
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,461.12	592.05
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,763.47	624.92
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,986.75	654.76
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,289.10	687.59
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,512.39	717.48
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,814.74	750.30
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,038.02	780.15
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,341.83	813.02
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	792.71	101.65
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	3,930.59	560.47
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	4,881.64	648.90
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,201.08	684.08
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,440.05	716.18
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,761.57	751.31
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,000.52	783.46
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,319.96	818.60
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,561.05	850.75
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,880.45	885.88
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	860.08	110.73
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,514.51	629.06
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,319.30	708.06
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,654.38	745.50
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,912.56	779.91
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,249.70	817.35
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,507.89	851.76
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,842.96	889.20
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,101.14	923.60
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,438.34	961.04
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	929.78	120.15
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	4,902.00	684.42
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	5,772.53	769.52
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,125.41	809.23
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,400.68	845.94
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,753.53	885.64
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,024.55	922.36
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,381.62	962.05
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,656.89	998.77
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,005.46	1,038.47
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,001.21	129.81

33 42 31 00-0152 Precast Concrete Catch Basins *(33 42 31 00-0002)*

Note: Inside dimensions.

33 42 31 00-0153 1'-6" Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	458.52	117.87
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	625.77	176.80
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	782.84	229.84
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	943.07	271.68
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,151.03	344.76
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	1,313.26	397.80
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	90.49	26.52

33 42 31 00-0161 2' Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	525.54	131.13
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	713.16	194.48
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	889.07	256.36
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,068.32	299.09
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	1,310.31	383.06
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	1,493.19	442.00
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	102.87	31.82

33 42 31 00-0169 3' Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	713.73	154.70
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	955.37	228.66
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,184.14	302.03
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	1,474.95	377.17
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	1,736.42	449.66
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	1,985.93	523.33
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	135.13	37.37

33 42 31 00-0177 4' Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	879.49	172.08
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,131.07	235.74
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	1,474.15	353.60
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	1,839.18	442.00
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	2,166.06	530.40
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	2,478.65	618.80
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	168.20	44.20

33 42 31 00-0185 5' Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,179.71	235.74
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	1,582.24	353.60
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	1,986.52	471.46
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	2,418.01	589.33
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	2,840.45	707.20
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	3,299.42	825.07
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	223.68	58.93

33 42 31 00-0193 6' Diameter Precast Catch Basins *(33 42 31 00-0152)*

33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	1,717.34	353.60
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	2,274.14	530.40
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	2,877.90	707.20
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	3,583.86	884.00
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	4,262.79	1,060.80
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	4,919.33	1,237.60
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	332.86	88.40

33 42 31 00-0201 Precast Catch Basins Accessories *(33 42 31 00-0152)*

33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	852.98	383.06
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	530.03	47.15
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	272.00	50.09
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	328.27	73.66
		For Each Additional Inch In Height, Add	*42.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	385.60	88.40
		For Each Additional Inch In Height, Add	*49.52*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	449.95	103.13
		For Each Additional Inch In Height, Add	*57.83*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	543.65	147.34
		For Each Additional Inch In Height, Add	*66.08*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	353.58	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	349.17	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	398.61	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	457.66	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	377.07	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	429.82	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	495.34	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	421.24	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	467.74	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	533.37	
33 42 31 00-0220		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0221		**Precast Concrete Inlet Boxes** *(33 42 31 00-0220)*		
33 42 31 00-0222		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
		Note: Yard inlet.		
33 42 31 00-0223		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0222)*		
33 42 31 00-0224	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	841.28	41.25
33 42 31 00-0225	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	985.42	50.09
33 42 31 00-0226	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,129.56	58.93
33 42 31 00-0227	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,274.43	68.15
33 42 31 00-0228		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0222)*		
33 42 31 00-0229	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	176.55	
33 42 31 00-0230	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	311.85	
33 42 31 00-0231	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	453.04	
33 42 31 00-0232	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	594.24	
33 42 31 00-0233	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	735.43	
33 42 31 00-0234	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	876.64	
33 42 31 00-0235		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0236		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0235)*		
33 42 31 00-0237	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,648.15	113.10
33 42 31 00-0238	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,845.56	130.77
33 42 31 00-0239	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,042.96	148.45
33 42 31 00-0240	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,240.45	166.16
33 42 31 00-0241	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,437.94	183.88
33 42 31 00-0242	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,635.43	201.59
33 42 31 00-0243	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,832.92	219.30
33 42 31 00-0244		**22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0235)*		
33 42 31 00-0245	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	343.25	
33 42 31 00-0246	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	604.00	
33 42 31 00-0247	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	633.52	
33 42 31 00-0248	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	825.04	
33 42 31 00-0249	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,016.57	
33 42 31 00-0250	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,198.56	
33 42 31 00-0251	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,395.97	
33 42 31 00-0252	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,593.37	
33 42 31 00-0253	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,790.86	
33 42 31 00-0254	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,988.35	
33 42 31 00-0255	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,185.84	
33 42 31 00-0256	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,383.33	
33 42 31 00-0257		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0258		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0257)*		
33 42 31 00-0259	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,552.37	124.41
33 42 31 00-0260	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,745.94	143.85
33 42 31 00-0261	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,939.50	163.29
33 42 31 00-0262	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,133.16	182.77
33 42 31 00-0263	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,326.83	202.26
33 42 31 00-0264	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,520.48	221.75
33 42 31 00-0265	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,714.14	241.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0266		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0257)*		
33 42 31 00-0267	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	333.25	
33 42 31 00-0268	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	582.80	
33 42 31 00-0269	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	612.22	
33 42 31 00-0270	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	796.88	
33 42 31 00-0271	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	981.53	
33 42 31 00-0272	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,165.63	
33 42 31 00-0273	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,357.63	
33 42 31 00-0274	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,549.09	
33 42 31 00-0275	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,741.09	
33 42 31 00-0276	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,932.54	
33 42 31 00-0277	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,124.55	
33 42 31 00-0278	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,316.56	
33 42 31 00-0279		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0280		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0279)*		
33 42 31 00-0281	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	1,875.90	135.72
33 42 31 00-0282	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,104.41	157.78
33 42 31 00-0283	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,332.95	180.40
33 42 31 00-0284	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,560.92	202.45
33 42 31 00-0285	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,789.44	225.07
33 42 31 00-0286	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,017.98	247.13
33 42 31 00-0287	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,245.94	269.18
33 42 31 00-0288		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0279)*		
33 42 31 00-0289	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	378.70	
33 42 31 00-0290	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	672.58	
33 42 31 00-0291	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	702.84	
33 42 31 00-0292	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	916.94	
33 42 31 00-0293	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,131.06	
33 42 31 00-0294	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,345.17	
33 42 31 00-0295	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,566.91	
33 42 31 00-0296	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,788.67	
33 42 31 00-0297	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,010.40	
33 42 31 00-0298	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,232.16	
33 42 31 00-0299	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,453.89	
33 42 31 00-0300	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,675.64	
33 42 31 00-0301		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0279)*		
33 42 31 00-0302	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,045.26	84.82
33 42 31 00-0303		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0304		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0303)*		
33 42 31 00-0305	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,762.35	150.80
33 42 31 00-0306	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,080.02	175.59
33 42 31 00-0307	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,397.69	200.37
33 42 31 00-0308	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,715.18	225.07
33 42 31 00-0309	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,032.67	249.77
33 42 31 00-0310	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,350.17	274.46
33 42 31 00-0311	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,667.65	299.16
33 42 31 00-0312		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0303)*		
33 42 31 00-0313	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	375.55	
33 42 31 00-0314	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	658.71	
33 42 31 00-0315	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	973.94	
33 42 31 00-0316	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,289.15	
33 42 31 00-0317	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,594.95	
33 42 31 00-0318	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,910.18	
33 42 31 00-0319	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,227.85	
33 42 31 00-0320	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,545.52	
33 42 31 00-0321	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,863.02	
33 42 31 00-0322	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,180.50	
33 42 31 00-0323	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,498.00	
33 42 31 00-0324	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,815.48	
33 42 31 00-0325		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0303)*		
33 42 31 00-0326	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,136.75	91.90
33 42 31 00-0327		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0328		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0327)*		
33 42 31 00-0329	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,145.42	190.01
33 42 31 00-0330	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,483.86	221.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0331	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,822.30	253.50
33 42 31 00-0332	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,160.37	285.07
33 42 31 00-0333	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,498.47	316.64
33 42 31 00-0334	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,836.55	348.22
33 42 31 00-0335	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,174.64	379.79
33 42 31 00-0336		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0327)*		
33 42 31 00-0337	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	401.62	
33 42 31 00-0338	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	692.40	
33 42 31 00-0339	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,030.67	
33 42 31 00-0340	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,368.95	
33 42 31 00-0341	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,691.41	
33 42 31 00-0342	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,029.68	
33 42 31 00-0343	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,368.11	
33 42 31 00-0344	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,706.56	
33 42 31 00-0345	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,044.63	
33 42 31 00-0346	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,382.72	
33 42 31 00-0347	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,720.81	
33 42 31 00-0348	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,058.90	
33 42 31 00-0349		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0327)*		
33 42 31 00-0350	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,261.97	102.92
33 42 31 00-0351		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0221)*		
33 42 31 00-0352		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0351)*		
33 42 31 00-0353	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,894.76	256.18
33 42 31 00-0354	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,318.24	298.59
33 42 31 00-0355	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,741.75	340.43
33 42 31 00-0356	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,164.68	382.84
33 42 31 00-0357	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,588.17	424.70
33 42 31 00-0358	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,011.10	466.55
33 42 31 00-0359	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,435.16	508.96
33 42 31 00-0360		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0351)*		
33 42 31 00-0361	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	521.90	
33 42 31 00-0362	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	886.57	
33 42 31 00-0363	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,306.12	
33 42 31 00-0364	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,725.65	
33 42 31 00-0365	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,128.79	
33 42 31 00-0366	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,548.33	
33 42 31 00-0367	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,971.82	
33 42 31 00-0368	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,395.33	
33 42 31 00-0369	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,818.25	
33 42 31 00-0370	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,241.75	
33 42 31 00-0371	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,664.67	
33 42 31 00-0372	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,088.18	
33 42 31 00-0373		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0351)*		
33 42 31 00-0374	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,786.99	113.10
33 42 31 00-0375		**Frames And Grates For Inlets** *(33 42 31 00-0220)*		
33 42 31 00-0376		**Inlet Frames And Grates** *(33 42 31 00-0375)*		
33 42 31 00-0377	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	380.62	26.19
33 42 31 00-0378	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	511.12	26.19
33 42 31 00-0379	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	511.12	26.19
33 42 31 00-0380	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	511.12	26.19
33 42 31 00-0381	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	565.74	26.19
33 42 31 00-0382	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	345.03	52.38
33 42 31 00-0383	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	421.49	52.38
33 42 31 00-0384	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	524.14	65.46
33 42 31 00-0385	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	425.84	65.46
33 42 31 00-0386	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	436.76	65.46
33 42 31 00-0387	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	458.60	65.46
33 42 31 00-0388	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	480.45	65.46
33 42 31 00-0389	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	458.60	65.46
33 42 31 00-0390	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	480.45	65.46
33 42 31 00-0391	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	502.29	65.46
33 42 31 00-0392	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	786.28	65.46
33 42 31 00-0393	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	829.97	65.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0394	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	873.66	65.46
33 42 31 00-0395	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	545.98	65.46
33 42 31 00-0396	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	480.45	65.46
33 42 31 00-0397	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	480.45	65.46
33 42 31 00-0398	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,137.68	65.46
33 42 31 00-0399	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,137.68	65.46
33 42 31 00-0400	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	362.47	72.01
33 42 31 00-0401	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	570.00	72.01
33 42 31 00-0402	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	570.00	72.01
33 42 31 00-0403	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	646.45	72.01
33 42 31 00-0404	EA	Type B Inlet Frame (US Foundry 5216 FRM)	766.60	72.01
33 42 31 00-0405	EA	Type D Inlet Frame (US Foundry 2999 FRM)	635.53	72.01
33 42 31 00-0406	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	974.13	72.01
33 42 31 00-0407	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	843.06	72.01
33 42 31 00-0408	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,061.43	104.74
33 42 31 00-0409	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	1,847.85	104.74
33 42 31 00-0410	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,028.66	104.74
33 42 31 00-0411	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,745.18	104.74
33 42 31 00-0412	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	1,766.91	157.11
33 42 31 00-0413	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	1,706.68	209.48
33 42 31 00-0414	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	1,915.35	209.48
33 42 31 00-0415	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	1,915.35	209.48
33 42 31 00-0416	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	1,642.28	209.48
33 42 31 00-0417	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	1,642.28	209.48
33 42 31 00-0418	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,002.73	209.48

33 42 31 00-0419 Catch Basin Frames And Covers *(33 42 31 00-0001)*

33 42 31 00-0420 Cast Iron Frames And Covers *(33 42 31 00-0419)*

33 42 31 00-0421	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,076.77	58.93
33 42 31 00-0422	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,388.07	66.60
33 42 31 00-0423	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,594.16	68.95
33 42 31 00-0424	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,805.54	80.15
33 42 31 00-0425	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,146.83	91.34
33 42 31 00-0426	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,532.69	95.47
33 42 31 00-0427	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,873.86	72.49
33 42 31 00-0428	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,476.87	83.68
33 42 31 00-0429	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,822.85	87.22
33 42 31 00-0430	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,652.73	87.22
33 42 31 00-0431	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,739.64	90.76
33 42 31 00-0432	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,951.30	94.29
33 42 31 00-0433	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,583.62	101.36

33 42 31 00-0434 Area Yard Drain *(33 42 31 00-0001)*
See CSI section 22 14 26 16-0001 for drains.

33 42 31 00-0435 Ductile Iron Grates *(33 42 31 00-0434)*
Note: Not for traffic loading.

33 42 31 00-0436	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	130.65	21.09
33 42 31 00-0437	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	166.03	22.49
33 42 31 00-0438	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	428.61	28.12
33 42 31 00-0439	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	511.89	33.74

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,375.41	68.95
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,534.79	80.15
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,646.25	80.15
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,896.56	94.29
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,851.38	100.77

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*
See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	53.41	9.43
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	43.56	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	49.45	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	49.45	
33 42 36 00-0011		6" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	205.07	9.43
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	90.41	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	96.30	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	96.30	
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	187.91	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	187.91	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	902.99	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,776.51	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	307.71	9.43
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	99.14	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.03	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.03	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.91	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.91	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	902.99	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,776.51	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	403.80	9.43
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	169.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	174.91	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	174.91	
33 42 36 00-0045		**Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.91	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.91	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	902.99	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,776.51	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0052		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	486.65	
33 42 36 00-0054		**Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	188.82	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	226.66	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	59.48	
33 42 36 00-0058		**12" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0059		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0060		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	397.18	12.97
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		**Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	194.79	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	202.64	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	202.64	
33 42 36 00-0066		**Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	339.66	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	448.85	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,792.37	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,539.41	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0073		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	506.37	12.97
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0075		**Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	203.53	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	211.38	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	211.38	
33 42 36 00-0079		**Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	339.66	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	448.85	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,792.37	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,539.41	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		**12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0086		**12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	724.75	12.97
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	

33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*

33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	531.10	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	538.95	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	538.95	

33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*

33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	339.66	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	448.85	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,792.37	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,539.41	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	

33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*

33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*

33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	652.88	

33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*

33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	325.58	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	564.52	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	111.98	

33 42 36 00-0105 23" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0106 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0105)*

33 42 36 00-0107 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*

33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	558.68	17.68
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	

33 42 36 00-0109 Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*

33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	649.88	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	925.90	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	925.90	

33 42 36 00-0113 Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*

33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	782.01	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,567.74	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,061.82	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	

33 42 36 00-0118 Modular Trench Drain Grates *(33 42 36 00-0001)*

33 42 36 00-0119 4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*

33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	43.46	1.77
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	45.85	1.77
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	36.31	1.77
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	101.85	1.77
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	36.31	1.77
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	101.85	1.77

33 42 36 00-0126 6" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*

33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	212.59	1.77
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	179.62	1.77
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	188.79	1.77
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	164.55	1.77
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	177.65	1.77
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	179.84	1.77
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	179.84	1.77
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	177.65	1.77
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	155.82	1.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	155.82	1.77
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	165.86	1.77
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	165.86	1.77
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	216.96	1.77
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	216.96	1.77
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	400.40	1.77
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	400.40	1.77
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,121.06	1.77
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	147.08	1.77
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	321.78	1.77
33 42 36 00-0146		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	592.87	1.92
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	566.66	1.92
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	492.41	1.92
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	517.52	1.92
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	446.55	1.92
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	877.85	1.92
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	877.85	1.92
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,121.35	1.92
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,121.35	1.92
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,432.54	1.92
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,432.54	1.92
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,359.38	1.92
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	639.82	1.92
33 42 36 00-0160		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	938.21	2.06
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	789.71	2.06
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,226.47	2.06
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	907.63	2.06

33 44 Storm Utility Water Drains *(33 40)*

33 44 33 Stormwater Trash and Debris Guards *(33 44)*

33 44 33 00-0001 Storm Water Trash Collection *(33 44 33)*

33 44 33 00-0002 Trash Racks And Debris Cages For Storm Water Structures *(33 44 33 00-0001)*

33 44 33 00-0003 High-Density Polyethylene (HDPE) Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*

33 44 33 00-0004	EA	30" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 24" inside diameter concrete pipe.	2,284.42	69.36
33 44 33 00-0005	EA	44" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 36" inside diameter concrete pipe.	2,701.30	76.31
33 44 33 00-0006	EA	58" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 48" inside diameter concrete pipe.	3,823.34	86.71
33 44 33 00-0007	EA	72" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 60" inside diameter concrete pipe.	4,893.61	104.06
33 44 33 00-0008	SF	Up To 4 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	195.15	10.40
33 44 33 00-0009	SF	>4 To 8 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	137.72	8.67
33 44 33 00-0010	SF	>8 To 12 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	109.49	6.93
33 44 33 00-0011	SF	>12 To 20 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	97.06	6.07
33 44 33 00-0012	SF	>20 To 35 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	92.27	5.21
33 44 33 00-0013	SF	>35 To 55 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	84.07	4.35
33 44 33 00-0014	SF	Up To 4 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	240.48	10.40
33 44 33 00-0015	SF	>4 To 8 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	169.26	8.67
33 44 33 00-0016	SF	>8 To 12 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	134.55	6.93
33 44 33 00-0017	SF	>12 To 20 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	119.31	6.07
33 44 33 00-0018	SF	>20 To 35 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	113.61	5.21
33 44 33 00-0019	SF	>35 To 55 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	103.65	4.35
33 44 33 00-0020		Galvanized Steel Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*		
33 44 33 00-0021	EA	30" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 24" inside diameter concrete pipe.	4,031.98	104.06
33 44 33 00-0022	EA	44" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 36" inside diameter concrete pipe.	5,022.21	115.61
33 44 33 00-0023	EA	58" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 48" inside diameter concrete pipe.	5,726.47	129.49
33 44 33 00-0024	EA	72" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 60" inside diameter concrete pipe.	6,337.20	156.09
33 44 33 00-0025	SF	Up To 4 SF Opening Flat Roof Galvanized Steel Trash Rack	229.29	15.61
33 44 33 00-0026	SF	>4 To 8 SF Opening Flat Roof Galvanized Steel Trash Rack	162.43	13.01
33 44 33 00-0027	SF	>8 To 12 SF Opening Flat Roof Galvanized Steel Trash Rack	129.15	10.40
33 44 33 00-0028	SF	>12 To 20 SF Opening Flat Roof Galvanized Steel Trash Rack	114.45	9.10
33 44 33 00-0029	SF	>20 To 35 SF Opening Flat Roof Galvanized Steel Trash Rack	108.54	7.80
33 44 33 00-0030	SF	>35 To 55 SF Opening Flat Roof Galvanized Steel Trash Rack	98.70	6.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,455.11	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	23,899.29	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,694.32	
		For Interior Polyurethane Coating, Add	*1,340.10*	

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,453.84	
		For Interior Polyurethane Coating, Add	*711.00*	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,086.43	
		For Interior Polyurethane Coating, Add	*893.70*	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,953.49	
		For Interior Polyurethane Coating, Add	*1,340.10*	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	50,074.42	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,461.63	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,076.88
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,483.41
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	922.88
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	659.27
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	164.98
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,003.53
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,007.05
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,010.62
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	648.88
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	789.47
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,578.94
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,686.51
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	978.40
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,297.86
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,837.01
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,480.22
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,521.51
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,716.57
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,249.95
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,465.27
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,786.01
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,805.33
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,397.17
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,695.94
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	2,012.28
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	118.63
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	134.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0041		**Oil Skimmers** *(33 44 36)*		
33 44 36 00-0042		**Oil Skimmers, 12" And 24" Models** *(33 44 36 00-0041)*		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,682.63	416.76
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,918.43	416.76
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,704.47	416.76
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,006.85	416.76
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,952.27	416.76
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,152.04	416.76
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,003.57	416.76
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,304.87	416.76
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,213.91	555.79
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,466.08	555.79
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,280.50	555.79
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,642.93	555.79
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,851.43	555.79
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,103.60	555.79
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,904.92	555.79
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,268.44	555.79
33 44 36 00-0059		**Oil Skimmers, Add-Ons** *(33 44 36 00-0041)*		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	231.01	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	279.04	
33 44 36 00-0064		**Inclined Plate Hydrodynamic Separator** *(33 44 36)* Note: Includes precast base, riser and lid slab, aluminum incline plate assembly, sludge dispersion manifold, oil sorbent booms, two manhole frames and covers, and joint sealer. Terre Kleen as manufactured by Terre Hill Storm Water Systems, Terre Hill, PA.		
33 44 36 00-0065	EA	4'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK09)	46,490.10	
		For Each VLF Of Riser, Add	*450.00*	
33 44 36 00-0066	EA	6'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK18)	73,340.00	
		For Each VLF Of Riser, Add	*525.00*	
33 44 36 00-0067	EA	8'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK27)	87,985.40	
		For Each VLF Or Riser, Add	*600.00*	

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001		**Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™)** *(33 46 23)* Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
33 46 23 00-0002		**85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)** *(33 46 23 00-0001)*		
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	556.94	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	520.06	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	490.84	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	462.75	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	193.46	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	174.75	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	162.80	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	151.11	
33 46 23 00-0011		**85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)** *(33 46 23 00-0001)*		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	299.44	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	278.05	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	261.72	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	246.60	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	147.74	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	133.93	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	124.78	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	116.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0020		**90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)** *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	986.24	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	926.79	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	876.02	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	828.99	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	819.02	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	767.91	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	725.10	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	685.61	
33 46 23 00-0029		**85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)** *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	580.92	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	542.86	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	512.48	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	483.30	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	193.46	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	170.22	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	162.80	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	151.11	
33 46 23 00-0038		**52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)** *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,019.86	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	957.63	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	904.08	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	855.99	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,290.60	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,214.81	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,148.42	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,088.11	
33 46 23 00-0047		**Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers** *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	41.89	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	51.77	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	69.31	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	87.44	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	753.19	
33 46 53		**Stormwater Leaching Pits** *(33 46)*		
33 46 53 00-0001		**Drainage Wells** *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	22.10	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	28.31	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	40.13	
33 46 53 00-0005		**Dry Well Hole Augering In Soil** *(33 46 53)*		
33 46 53 00-0006	VLF	Up To 2-1/2" Diameter Dry Well Hole, Augering In Soil	5.46	
33 46 53 00-0007	VLF	2-1/2" Diameter Dry Well Hole, Augering In Soil	6.82	
33 46 53 00-0008	VLF	3" Diameter Dry Well Hole, Augering In Soil	8.09	
33 46 53 00-0009	VLF	4" Diameter Dry Well Hole, Augering In Soil	9.10	
33 46 53 00-0010	VLF	6" Diameter Dry Well Hole, Augering In Soil	9.92	
33 46 53 00-0011	VLF	8" Diameter Dry Well Hole, Augering In Soil	10.91	
33 46 53 00-0012	VLF	10" Diameter Dry Well Hole, Augering In Soil	12.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 53 00-0013	VLF	12" Diameter Dry Well Hole, Augering In Soil	13.64	
33 46 53 00-0014	VLF	18" Diameter Dry Well Hole, Augering In Soil	15.59	
33 46 53 00-0015	VLF	24" Diameter Dry Well Hole, Augering In Soil	18.19	
33 46 53 00-0016	VLF	30" Diameter Dry Well Hole, Augering In Soil	21.82	
33 46 53 00-0017	VLF	36" Diameter Dry Well Hole, Augering In Soil	27.29	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	15.91	1.77
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	18.58	1.95
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	21.87	2.01
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	22.44	2.06
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	23.42	2.08
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.75	2.23
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	35.59	2.58
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	44.25	3.27
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	60.89	3.94
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	84.30	4.56
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	106.42	5.58
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	157.45	7.17

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,464.95
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,530.52
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,679.50
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	4,277.60
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	6,700.67

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,955.41
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,005.68
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,066.46
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,126.00
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,176.19
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,467.89
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,546.74

33 52 16 13-0030 Protective Pipe And Fitting Wrap *(33 52 16 13-0001)*

Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe *(33 52 16 13-0030)*

Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.90
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.02
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.17
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.74
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.95
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.80
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.35
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.48
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	12.28
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	16.82

33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings *(33 52 16 13-0030)*

Note: Field applied.

33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	14.39
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	14.39
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	17.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.38	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.38	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	24.17	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.86	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	49.14	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	50.45	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	58.98	

33 52 16 13-0053 Service Fittings *(33 52 16 13-0001)*

33 52 16 13-0054 Brass Fittings *(33 52 16 13-0053)*

33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	29.96	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	35.76	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	46.89	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	60.43	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	68.88	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	94.25	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	24.25	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	28.68	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	39.15	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	53.69	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	62.84	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	89.28	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	19.50	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	25.40	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	33.11	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	47.67	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	58.54	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	80.86	

33 52 16 13-0073 Anodeless Gas Riser *(33 52 16 13-0053)*

33 52 16 13-0074	EA	3/4" Anodeless Gas Riser	79.36	
33 52 16 13-0075	EA	1" Anodeless Gas Riser	99.89	
33 52 16 13-0076	EA	1-1/4" Anodeless Gas Riser	120.70	
33 52 16 13-0077	EA	1-1/2" Anodeless Gas Riser	158.11	
33 52 16 13-0078	EA	2" Anodeless Gas Riser	185.10	

33 52 16 13-0079 Brass Service Adapter *(33 52 16 13-0053)*

33 52 16 13-0080	EA	1/2" Brass Service Adapter	50.85	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	55.95	
33 52 16 13-0082	EA	1" Brass Service Adapter	67.50	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	85.29	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	105.86	
33 52 16 13-0085	EA	2" Brass Service Adapter	131.20	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	263.54	
33 52 16 13-0087	EA	3" Brass Service Adapter	323.11	
33 52 16 13-0088	EA	4" Brass Service Adapter	472.61	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas *(33 52 16)*

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)*

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.01	1.11
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.45	1.19
		For SDR 13.5, Deduct	*-0.15*	
		For Colors, Add	*0.10*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	3.88	1.27
		For SDR 13.5, Deduct	*-0.18*	
		For Colors, Add	*0.12*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.33	1.35
		For SDR 13.5, Deduct	*-0.22*	
		For Colors, Add	*0.14*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.24	1.63
		For SDR 13.5, Deduct	*-0.31*	
		For Colors, Add	*0.20*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.15	1.77
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For Colors, Add	*0.26*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.48	2.07
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.24*	
		For Colors, Add	*0.43*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.80	2.46
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.69*	
		For Colors, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	18.22	2.73
		For SDR 13.5, Deduct	*-1.70*	
		For SDR 15.5, Deduct	*-3.13*	
		For Colors, Add	*1.10*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	23.99	2.73
		For SDR 13.5, Deduct	*-2.36*	
		For SDR 15.5, Deduct	*-4.34*	
		For Colors, Add	*1.52*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	29.81	2.73
		For SDR 13.5, Deduct	*-3.02*	
		For SDR 15.5, Deduct	*-5.55*	
		For Colors, Add	*1.95*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	46.66	3.42
		For SDR 13.5, Deduct	*-5.02*	
		For SDR 15.5, Deduct	*-9.24*	
		For Colors, Add	*3.24*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	3.11	1.11
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	3.58	1.19
		For SDR 13.5, Deduct	*-0.16*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.02	1.27
		For SDR 13.5, Deduct	*-0.20*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.51	1.35
		For SDR 13.5, Deduct	*-0.24*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.49	1.63
		For SDR 13.5, Deduct	*-0.34*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.48	1.77
		For SDR 13.5, Deduct	*-0.45*	
		For SDR 15.5, Deduct	*-0.82*	
		For SDR 17, Deduct	*-1.19*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	9.03	2.07
		For SDR 13.5, Deduct	*-0.74*	
		For SDR 15.5, Deduct	*-1.36*	
		For SDR 17, Deduct	*-1.98*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	11.54	2.46
		For SDR 13.5, Deduct	*-1.01*	
		For SDR 15.5, Deduct	*-1.86*	
		For SDR 17, Deduct	*-2.70*	
		For SDR 21, Deduct	*-3.70*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	19.60	2.73
		For SDR 13.5, Deduct	*-1.87*	
		For SDR 15.5, Deduct	*-3.44*	
		For SDR 17, Deduct	*-4.99*	
		For SDR 21, Deduct	*-6.84*	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	32.24	2.73
		For SDR 13.5, Deduct	*-3.32*	
		For SDR 15.5, Deduct	*-6.10*	
		For SDR 17, Deduct	*-8.86*	
		For SDR 21, Deduct	*-12.13*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	50.72	3.42
		For SDR 13.5, Deduct	*-5.53*	
		For SDR 15.5, Deduct	*-10.16*	
		For SDR 17, Deduct	*-14.75*	
		For SDR 21, Deduct	*-20.19*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	230.06	12.06
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	232.80	12.06
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	239.37	14.32
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	899.72	16.58
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	934.43	25.69
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,665.97	57.64
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,719.95	76.40

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0001		**Diaphragm Meters** *(33 59 11)* Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	504.96	47.23
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,056.40	72.23
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,283.02	72.23
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,033.75	90.28
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,398.25	111.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,653.04	90.28
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,140.80	111.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,875.41	118.06
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	9,809.23	138.89
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	14,923.01	229.18
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 16		**Hydrocarbons Turbine Meters** *(33 59)*		
33 59 16 00-0001		**Gas Turbine Meters With Direct-Digital Reading** *(33 59 16)* Note: Maximum working pressure 175 PSI, flanged end connections.		
33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,776.53	245.51
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,186.36	285.11
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	20,511.44	287.51
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	40,104.02	350.01
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	65,264.83	437.51

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001		**Prefabricated/Preinsulated Pipe** *(33 61 13)* Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0002		**Preinsulated Schedule 40 Black Steel Pipe** *(33 61 13 00-0001)* Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0003		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0002)* Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	191.26	11.71
		For Schedule 80 Pipe, Add	*35.13*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.51*	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	210.02	12.64
		For Schedule 80 Pipe, Add	*38.63*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.47	13.41
		For Schedule 80 Pipe, Add	*43.52*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.35*	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.40	14.16
		For Schedule 80 Pipe, Add	*46.70*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.67*	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	264.17	15.03
		For Schedule 80 Pipe, Add	*48.82*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	290.15	18.59
		For Schedule 80 Pipe, Add	*53.07*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.84	22.69
		For Schedule 80 Pipe, Add	*57.32*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	399.40	28.90
		For Schedule 80 Pipe, Add	*72.17*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	508.90	35.39
		For Schedule 80 Pipe, Add	*92.34*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.23*	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	591.30	41.47
		For Schedule 80 Pipe, Add	*107.20*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.72*	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.93	50.10
		For Schedule 80 Pipe, Add	*156.03*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.60*	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,109.05	59.62
		For Schedule 80 Pipe, Add	*205.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.59*	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,382.13	73.38
		For Schedule 80 Pipe, Add	*256.86*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.69*	

33 61 13 00-0017 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	208.83	11.71
		For Schedule 80 Pipe, Add	*38.65*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.34	12.64
		For Schedule 80 Pipe, Add	*42.50*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.25*	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	257.23	13.41
		For Schedule 80 Pipe, Add	*47.87*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.79*	
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	275.75	14.16
		For Schedule 80 Pipe, Add	*51.37*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.14*	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	288.58	15.03
		For Schedule 80 Pipe, Add	*53.71*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.68	18.59
		For Schedule 80 Pipe, Add	*58.38*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.84*	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	345.50	22.69
		For Schedule 80 Pipe, Add	*63.05*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.30*	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	435.49	28.90
		For Schedule 80 Pipe, Add	*79.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.94*	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.07	35.39
		For Schedule 80 Pipe, Add	*101.58*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.16*	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	644.90	41.47
		For Schedule 80 Pipe, Add	*117.92*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	924.94	50.10
		For Schedule 80 Pipe, Add	*171.63*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.16*	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,212.01	59.62
		For Schedule 80 Pipe, Add	*226.50*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.65*	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,510.56	73.38
		For Schedule 80 Pipe, Add	*282.54*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.25*	

33 61 13 00-0031 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.61	11.71
		For Schedule 80 Pipe, Add	*40.40*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	239.00	12.64
		For Schedule 80 Pipe, Add	*44.43*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.10	13.41
		For Schedule 80 Pipe, Add	*50.04*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.42	14.16
		For Schedule 80 Pipe, Add	*53.71*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	300.79	15.03
		For Schedule 80 Pipe, Add	*56.15*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.95	18.59
		For Schedule 80 Pipe, Add	*61.03*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.82	22.69
		For Schedule 80 Pipe, Add	*65.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	453.54	28.90
		For Schedule 80 Pipe, Add	*83.00*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	578.15	35.39
		For Schedule 80 Pipe, Add	*106.19*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.62*	
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	671.70	41.47
		For Schedule 80 Pipe, Add	*123.28*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.33*	
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	963.95	50.10
		For Schedule 80 Pipe, Add	*179.43*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.94*	
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,263.49	59.62
		For Schedule 80 Pipe, Add	*236.80*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.68*	
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,574.77	73.38
		For Schedule 80 Pipe, Add	*295.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.54*	

33 61 13 00-0045 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.79	11.71
		For Schedule 80 Pipe, Add	*43.04*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.30*	
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.49	12.64
		For Schedule 80 Pipe, Add	*47.33*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.73*	
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.42	13.41
		For Schedule 80 Pipe, Add	*53.31*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.33*	
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	304.94	14.16
		For Schedule 80 Pipe, Add	*57.21*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.72*	
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	319.10	15.03
		For Schedule 80 Pipe, Add	*59.81*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.85	18.59
		For Schedule 80 Pipe, Add	*65.01*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.50*	
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	381.32	22.69
		For Schedule 80 Pipe, Add	*70.21*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.02*	
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	480.60	28.90
		For Schedule 80 Pipe, Add	*88.41*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	612.78	35.39
		For Schedule 80 Pipe, Add	*113.12*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.31*	
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	711.90	41.47
		For Schedule 80 Pipe, Add	*131.32*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.13*	
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,022.46	50.10
		For Schedule 80 Pipe, Add	*191.13*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.11*	
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,340.70	59.62
		For Schedule 80 Pipe, Add	*252.24*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.22*	
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,671.09	73.38
		For Schedule 80 Pipe, Add	*314.65*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.47*	

33 61 13 00-0059 Preinsulated Black Steel Fittings *(33 61 13 00-0001)*

Note: No excavation or backfill.

33 61 13 00-0060 Elbows *(33 61 13 00-0059)*

33 61 13 00-0061 Elbows *(33 61 13 00-0060)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,410.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.76*
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,447.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.39*
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,651.07
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.17*
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,813.31
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.00*
33 61 13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,940.74
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.42*
33 61 13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,090.04
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.84*
33 61 13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,416.00
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.50*
33 61 13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,818.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.59*
33 61 13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,551.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.76*
33 61 13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,002.17
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.41*
33 61 13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,743.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.68*
33 61 13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,482.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*133.81*
33 61 13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,805.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*177.10*

33 61 13 00-0075 Elbows *(33 61 13 00-0060)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,511.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.77*
33 61 13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,550.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.45*
33 61 13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,767.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.51*
33 61 13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,940.83
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.55*
33 61 13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,073.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,228.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.60*	
33 61 13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,575.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.69*	
33 61 13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,004.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.31*	
33 61 13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,790.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.54*	
33 61 13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,273.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.84*	
33 61 13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,136.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.54*	
33 61 13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,984.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*143.84*	
33 61 13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,469.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.38*	

33 61 13 00-0089 Elbows *(33 61 13 00-0060)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,611.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.78*	
33 61 13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,653.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.50*	
33 61 13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,884.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.84*	
33 61 13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,068.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.10*	
33 61 13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,206.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.73*	
33 61 13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,366.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.36*	
33 61 13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,734.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.88*	
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,190.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.03*	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,029.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.32*	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,545.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.28*	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,528.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.39*	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,485.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.88*	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,133.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.66*	

33 61 13 00-0103 Elbows *(33 61 13 00-0060)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,711.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.78*	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,756.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.55*	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,001.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.18*	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,195.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.65*	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,339.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,504.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.12*	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,894.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.07*	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,376.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.74*	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,268.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.10*	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,816.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.71*	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,921.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*128.24*	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,987.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*163.91*	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,797.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*216.95*	

33 61 13 00-0117 Tees *(33 61 13 00-0059)*

33 61 13 00-0118 Tees *(33 61 13 00-0117)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,096.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.74*	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,151.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.68*	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,453.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.29*	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,694.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.49*	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,884.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.60*	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,106.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.70*	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,592.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.12*	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,191.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.64*	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,280.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*94.68*	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,949.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*107.53*	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,535.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*155.46*	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,124.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*198.70*	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,575.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*262.99*	

33 61 13 00-0132 Tees *(33 61 13 00-0117)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,245.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.72*	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,303.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.73*	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,626.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.76*	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,883.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.28*	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,081.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,312.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.80*	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,828.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.85*	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,467.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.16*	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,635.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*101.78*	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,352.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.60*	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,118.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.12*	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,869.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*213.61*	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,561.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*282.72*	

33 61 13 00-0146 Tees *(33 61 13 00-0117)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,394.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.70*	
33 61 13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,456.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.78*	
33 61 13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,800.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.23*	
33 61 13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,073.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.07*	
33 61 13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,278.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.49*	
33 61 13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,517.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.91*	
33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,065.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.59*	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,743.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.68*	
33 61 13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,990.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.88*	
33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,755.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.66*	
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,701.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.78*	
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,614.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.51*	
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,547.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.44*	

33 61 13 00-0160 Tees *(33 61 13 00-0117)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,543.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.68*	
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,608.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.83*	
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,973.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.70*	
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,262.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*61.86*	
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,475.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,722.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.01*	
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,302.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.32*	
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,019.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*90.21*	
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,345.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.98*	
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,159.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*131.73*	
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,284.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.44*	
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,359.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*243.41*	
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,534.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*322.16*	

33 61 13 00-0174 Reducers *(33 61 13 00-0059)*

33 61 13 00-0175 Reducers *(33 61 13 00-0174)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,176.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.21*	
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,207.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.73*	
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,376.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.87*	
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,512.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.22*	
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,622.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.40*	
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,757.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.57*	
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,027.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.28*	
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,363.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.16*	
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,973.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.92*	
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,348.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.10*	
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,802.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*86.89*	
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,266.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*111.06*	
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,203.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*146.99*	

33 61 13 00-0189 Reducers *(33 61 13 00-0174)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,259.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.88*	
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,292.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.44*	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.81*	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,618.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.34*	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,732.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,872.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.87*	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,160.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.92*	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,517.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.24*	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,171.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.89*	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,574.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.61*	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,128.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.41*	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,682.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.39*	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,754.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.02*	

33 61 13 00-0203 Reducers *(33 61 13 00-0174)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,342.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.54*	
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,377.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.15*	
33 61 13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,570.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.75*	
33 61 13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,724.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.46*	
33 61 13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,843.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.81*	
33 61 13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,987.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.16*	
33 61 13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,292.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.57*	
33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,671.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.33*	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,369.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.85*	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,799.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.12*	
33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,454.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.92*	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,098.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.72*	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,306.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*169.04*	

33 61 13 00-0217 Reducers *(33 61 13 00-0174)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,425.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.21*	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,462.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.85*	
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,667.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.69*	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,830.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.57*	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,953.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,101.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.45*	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,424.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.22*	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,826.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.42*	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,568.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.82*	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,024.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.63*	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,780.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*106.44*	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,515.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*136.05*	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,857.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*180.07*	

33 61 13 00-0231 Preinsulated Type K Copper Pipe *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	39.70	12.19
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.30	13.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.48	13.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.60	14.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.27	15.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.41	19.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.40	23.65
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	89.15	30.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	111.59	36.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	130.14	43.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	173.40	52.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	218.68	62.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.22	76.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0246 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.84	12.19
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.65	13.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.14	13.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.45	14.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.24	15.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.64	19.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	73.90	23.65
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.55	30.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	117.22	36.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	136.67	43.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	182.91	52.44
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.23	62.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	286.88	76.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0260 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.91	12.19
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	46.83	13.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.46	13.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.87	14.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.73	15.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.26	19.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	75.64	23.65
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	95.75	30.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.03	36.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	139.94	43.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	187.66	52.23
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	237.51	62.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	294.71	76.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0274 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.52	12.19
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.60	13.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.45	13.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.01	14.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.96	15.68
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.68	19.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.26	23.65
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	99.05	30.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	124.26	36.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	144.84	43.22
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	194.79	52.23
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	246.92	62.16
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	306.45	76.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0288 Preinsulated Copper Fittings *(33 61 13 00-0001)*

33 61 13 00-0289 Elbows *(33 61 13 00-0288)*

33 61 13 00-0290 Elbows *(33 61 13 00-0289)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	317.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	408.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	470.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	747.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	897.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	992.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,397.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,908.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,441.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 00-0304 Elbows *(33 61 13 00-0289)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	325.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	336.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	386.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	431.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	494.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	576.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	669.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	781.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	941.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,041.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,469.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,000.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,562.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	

33 61 13 00-0318 Elbows *(33 61 13 00-0289)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	355.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	407.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	455.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	602.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	698.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	815.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	984.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,091.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,540.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,091.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,684.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0332 Elbows *(33 61 13 00-0289)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	374.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	428.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	478.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	543.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	627.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	849.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,028.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.25*	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,140.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,612.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,183.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,805.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0346 Tees *(33 61 13 00-0288)*

33 61 13 00-0347 Tees *(33 61 13 00-0346)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	457.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	542.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	700.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	822.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	954.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,114.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,339.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,478.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,081.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.36*	
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,846.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,638.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0361 Tees *(33 61 13 00-0346)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	484.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	500.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	574.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	642.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	736.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	859.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	998.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,164.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,403.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,552.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.09*	
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,187.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,982.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,818.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.57*	

33 61 13 00-0375 Tees *(33 61 13 00-0346)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	511.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	528.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	606.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	677.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	772.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	897.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,041.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,215.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,468.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,626.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,293.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,116.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,000.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	

33 61 13 00-0389 Tees *(33 61 13 00-0346)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	538.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	556.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	637.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	711.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	808.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	934.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,084.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,265.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,533.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,699.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,399.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.74*	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,252.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,179.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0403 Reducers *(33 61 13 00-0288)*

33 61 13 00-0404 Reducers *(33 61 13 00-0403)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	259.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	308.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	345.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	477.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	767.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,191.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,632.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,083.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0418 Reducers *(33 61 13 00-0403)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	274.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	326.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	421.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	498.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.00*	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	575.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	669.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	803.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	887.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,250.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,708.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,183.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0432 Reducers *(33 61 13 00-0403)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	289.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	441.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	599.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	697.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	839.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	929.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,309.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.23*	
33 61 13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,784.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.30*	
33 61 13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,284.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0446 Reducers *(33 61 13 00-0403)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	315.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	361.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	461.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	540.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	725.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	875.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	970.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,369.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,860.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.82*	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,385.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0460 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0461 Ductile Iron Carrier Pipe *(33 61 13 00-0460)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	412.21	38.92
33 61 13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	609.65	55.89
33 61 13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	868.89	67.53
33 61 13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,135.02	80.37
33 61 13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,414.05	98.91

33 61 13 00-0467 Ductile Iron Carrier Pipe *(33 61 13 00-0460)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	453.15	38.95
33 61 13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	670.46	55.89
33 61 13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	957.39	67.53
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,251.82	80.37
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,559.75	98.92
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,722.16	105.54
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,974.22	113.07
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,260.42	120.63
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,514.29	128.16
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,048.12	139.47

33 61 13 00-0478 Preinsulated Ductile Iron Fittings *(33 61 13 00-0001)*

33 61 13 00-0479 Elbows *(33 61 13 00-0478)*

33 61 13 00-0480 Elbows *(33 61 13 00-0479)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,963.99
33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,674.38
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,160.96
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,572.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,895.22	
33 61 13 00-0486		**Elbows** *(33 61 13 00-0479)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,469.73	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,412.91	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,228.64	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,936.87	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,701.43	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,253.69	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,085.18	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,913.18	
33 61 13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,441.71	
33 61 13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	45,891.63	
33 61 13 00-0497		**Tees** *(33 61 13 00-0478)*		
33 61 13 00-0498		**Tees** *(33 61 13 00-0497)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,891.63	
33 61 13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,432.70	
33 61 13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,125.72	
33 61 13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,712.96	
33 61 13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,648.65	
33 61 13 00-0504		**Tees** *(33 61 13 00-0497)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,642.65	
33 61 13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,529.44	
33 61 13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,711.22	
33 61 13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,739.53	
33 61 13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,330.89	
33 61 13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,499.18	
33 61 13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	34,174.26	
33 61 13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	42,800.88	
33 61 13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	53,955.25	
33 61 13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	67,921.01	
33 61 13 00-0515		**Reducers** *(33 61 13 00-0478)*		
33 61 13 00-0516		**Reducers** *(33 61 13 00-0515)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0517	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,313.74	
33 61 13 00-0518	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,736.56	
33 61 13 00-0519	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,809.35	
33 61 13 00-0520	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,830.67	
33 61 13 00-0521	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,598.12	
33 61 13 00-0522		**Reducers** *(33 61 13 00-0515)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0523	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,733.50	
33 61 13 00-0524	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,349.54	
33 61 13 00-0525	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,695.50	
33 61 13 00-0526	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,963.36	
33 61 13 00-0527	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,097.29	
33 61 13 00-0528	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,984.70	
33 61 13 00-0529	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,158.39	
33 61 13 00-0530	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,935.70	
33 61 13 00-0531	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	30,249.56	
33 61 13 00-0532	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	38,118.64	

33 61 13 00-0533 Tempered Water Piping Pre-Insulated *(33 61 13 00-0001)*

33 61 13 00-0534 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*

33 61 13 00-0535	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	134.67	14.16
33 61 13 00-0536	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	177.09	16.60
33 61 13 00-0537	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	253.16	18.47
33 61 13 00-0538	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	352.70	23.08
33 61 13 00-0539	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	452.87	28.46

33 61 13 00-0540 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*

33 61 13 00-0541	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	56.30	16.60
33 61 13 00-0542	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	69.45	16.60
33 61 13 00-0543	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	81.86	16.60
33 61 13 00-0544	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	98.09	19.61
33 61 13 00-0545	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	117.35	24.89

33 61 13 00-0546 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*

33 61 13 00-0547	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	56.29	16.60
33 61 13 00-0548	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	69.45	16.60
33 61 13 00-0549	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	81.11	16.60
33 61 13 00-0550	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	98.08	19.61
33 61 13 00-0551	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	117.34	24.89

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,146.67	294.77
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,655.57	326.73
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,148.75	355.14
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,301.51	426.17
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	5,746.42	426.17
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,226.79	443.93
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,196.10	497.20
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,232.05	326.73
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,003.70	213.09
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,388.72	426.17
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	1,973.11	497.20
33 71 19 13-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	1,326.65	124.30
33 71 19 13-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	1,395.74	133.18

33 71 19 13-0016 Precast Concrete Box Extensions *(33 71 19 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0017	EA	14" x 20" x 12", Precast Concrete Extension	167.15	22.78
33 71 19 13-0018	EA	18" x 28" x 12", Precast Concrete Extension	209.70	28.86
33 71 19 13-0019	EA	24" x 36" x 12", Precast Concrete Extension	271.49	39.48
33 71 19 13-0020	EA	30" x 48" x 12", Precast Concrete Extension	328.20	54.67
33 71 19 13-0021	EA	36" x 60" x 12", Precast Concrete Extension	549.07	66.81
33 71 19 13-0022	EA	36" x 72" x 12", Precast Concrete Extension	749.70	75.92
33 71 19 13-0023	EA	48" x 48" x 12", Precast Concrete Extension	869.28	69.85
33 71 19 13-0024	EA	48" x 60" x 12", Precast Concrete Extension	1,068.87	82.00

33 71 19 13-0025 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0026	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,366.27	239.72
33 71 19 13-0027	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,382.05	248.60
33 71 19 13-0028	EA	6' x 4' x 5' Deep Property Line Box	6,935.98	301.87
33 71 19 13-0029	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	10,661.53	443.93

33 71 19 13-0030 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0031	EA	6" Precast Grade Ring Riser Casting	284.79	52.99
33 71 19 13-0032	EA	12" Precast Grade Ring Riser Casting	308.35	57.41
33 71 19 13-0033	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	1,932.30	88.32
33 71 19 13-0034	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,538.67	110.40
33 71 19 13-0035	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	739.30	58.96
33 71 19 13-0036	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	970.87	66.24

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	30.50
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	61.05
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	64.96
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	130.38
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	96.09
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	192.58
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	287.99
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	193.42
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	386.44
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	588.64
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	273.55
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	549.34
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	821.57

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	3.74
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.03
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.59
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	5.02
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	10.00
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	20.24
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	7.02
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.06
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.19
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	42.26
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.39
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.74
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.67
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	52.99
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.49
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	25.89
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	51.85
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	81.79

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	4.18
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.92
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.28
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	5.32
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.63
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	7.38	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.78	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.63	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.42	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.93	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.83	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.83	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	56.24	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.24	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.45	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	54.97	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	86.46	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	18.29	
33 71 19 23-0056	EA	3" Adapter	30.56	
33 71 19 23-0057	EA	4" Adapter	41.01	
33 71 19 23-0058	EA	5" Adapter	75.71	
33 71 19 23-0059	EA	6" Adapter	90.70	
33 71 19 23-0060		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	145.02	

END OF SECTION 33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation and Maintenance of Transportation *(34)*

34 01 23 Operation and Maintenance of Railways *(34 01)*

34 01 23 33 Track Realignment *(34 01 23)*

34 01 23 33-0001 Realign Railroad Track *(34 01 23 33)*

34 01 23 33-0002	LF	Removal Of Track Rails and Ties And Re-Install Including New Bolts And Spikes	55.46
34 01 23 33-0003	EA	Removal Of Railroad Track Turnouts And Re-install Including New Bolts And Spikes	2,658.17

34 01 43 Operation and Maintenance of Bridges *(34 01)*

34 01 43 00-0001 Repair Of Bridge Posts *(34 01 43)*

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	18.45
34 01 43 00-0003	EA	Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	1,260.08
34 01 43 00-0004	EA	Repair Bearing Pad	432.63

34 01 43 00-0005 Repair Of Bridge Rails *(34 01 43)*

34 01 43 00-0006	EA	Repair Concrete Rail Supports	189.69
34 01 43 00-0007	LF	Repair Guardrail	71.13
		For Up To 5, Add	*35.57*
		For >5 To 10, Add	*21.34*
		For >10 To 20, Add	*10.67*
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	118.55
		For Up To 5, Add	*59.28*
		For >5 To 10, Add	*35.57*
		For >10 To 20, Add	*17.78*
34 01 43 00-0009	LF	Repair Bridge Rail	42.13
		For Up To 5, Add	*21.07*
		For >5 To 10, Add	*12.64*
		For >10 To 20, Add	*6.32*
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	22.31
34 01 43 00-0011	LF	Removal And Replacement Of 1-1/2" Galvanized Metal Rail	32.03
34 01 43 00-0012	LF	Removal And Replacement Of 2-1/2" Galvanized Metal Rail	47.97
34 01 43 00-0013	LF	Removal And Replacement Of 3" Galvanized Metal Rail	56.85

34 01 43 00-0014 Repair Of Bridge *(34 01 43)*

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	12.84
		For Up To 20, Add	*3.57*
		For >20 To 40, Add	*1.79*
		For 41 LF To 60 LF, Add	*0.89*

34 01 43 00-0016 Repair Of Bridge Parapet *(34 01 43)*

34 01 43 00-0017	DAY	Minimum for Stone Bridge Parapet Repair Note: Includes removing and resetting of extisting stone, new stone, including Capstone. Wet or Dry Mortar. Includes chipping, sandblasting and Jackhammer.	1,313.28
34 01 43 00-0018	CF	Stone Bridge Parapet Repair Removing And Resetting Existing Stone And Capstone Note: Includes removing loose stones and mortar, chipping, sandblasting Jackhammer.	180.94
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0019	CF	Stone Bridge Parapet Repair Using New Stone And Masonry Note: Includes removing loose stones and mortar, chipping, sandblasting Jackhammer.	265.74
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0020	SF	Removing and Resetting Existing 24" Capstones Note: Includes chipping, jackhammering, sandblasting, cleaning.	58.37
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0021	SF	Removing and Resetting Existing 30" Capstones Note: Includes chipping, jackhammering, sandblasting, cleaning.	72.96
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0022	SF	Removing and Resetting Existing 36" Capstones Note: Includes chipping, jackhammering, sandblasting, cleaning.	87.55
		For Mortar, Add Per CF	*50.00*

34 05 Common Work Results for Transportation *(34)*

34 05 43 Common Work Results for Bridges *(34 05)*

34 05 43 00-0001 Mobilize Bridge Crew *(34 05 43)*
Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	726.12

34 05 43 00-0003 Remove And Patch Bridge And Structures Concrete *(34 05 43)*
Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer,

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		formwork, cement/concrete as listed, finish and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.		
34 05 43 00-0004		**Remove And Patch Decks Or Floors** *(34 05 43 00-0003)* Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0005	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material	1,319.15	
34 05 43 00-0006	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material	58.91	
34 05 43 00-0007	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	1,401.16	
34 05 43 00-0008	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	64.04	
34 05 43 00-0009	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	1,383.02	
34 05 43 00-0010	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	62.90	
34 05 43 00-0011	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	2,773.09	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0012	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	149.78	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0013		**Remove And Patch Verticals Or Overheads** *(34 05 43 00-0003)* Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0014	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	1,528.36	
34 05 43 00-0015	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	69.37	
34 05 43 00-0016	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	1,610.37	
34 05 43 00-0017	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	74.50	
34 05 43 00-0018	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	1,592.23	
34 05 43 00-0019	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	73.36	
34 05 43 00-0020	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	2,982.30	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0021	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	160.24	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0022		**Remove And Patch Pier Caps And Pedestals** *(34 05 43 00-0003)* Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	1,737.57	
34 05 43 00-0024	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	77.21	
34 05 43 00-0025	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	1,819.58	
34 05 43 00-0026	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	82.34	
34 05 43 00-0027	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	1,801.44	
34 05 43 00-0028	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	81.20	
34 05 43 00-0029	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	3,191.51	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0030	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	168.08	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0031		**Remove And Patch Circular Piers** *(34 05 43 00-0003)* Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	2,051.38	
34 05 43 00-0033	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	85.07	
34 05 43 00-0034	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	2,133.39	
34 05 43 00-0035	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	90.20	
34 05 43 00-0036	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,115.25	
34 05 43 00-0037	SF	Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	105.28	
34 05 43 00-0038	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	3,505.32	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0039	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	175.94	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0040		**Fiber Reinforced Shotcrete Repair For Bridges** *(34 05 43)*		
34 05 43 00-0041	EA	Mobilize Fiber Reinforced Shotcrete Repair Crew	422.63	
34 05 43 00-0042	SF	Up to 2" Thick, Fiber Reinforced Shotcrete Repair	26.71	
		For Up To 25, Add	*12.68*	
		For >25 To 50, Add	*6.34*	
		For >50 To 150, Add	*2.54*	
34 05 43 00-0043	SF	>2" To 4" Thick, Fiber Reinforced Shotcrete Repair	32.28	
		For Up To 25, Add	*14.79*	
		For >25 To 50, Add	*7.40*	
		For >50 To 150, Add	*2.96*	
34 05 43 00-0044	SF	>4" To 6" Thick, Fiber Reinforced Shotcrete Repair	37.86	
		For Up To 25, Add	*16.91*	
		For >25 To 50, Add	*8.45*	
		For >50 To 150, Add	*3.38*	
34 05 43 00-0045		**Bridge Railing** *(34 05 43)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0046		**Remove And Store Bridge Railings** *(34 05 43 00-0045)*		
		See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0047	LF	Removal And Storage Of One Rail Bridge Railing	3.40	
34 05 43 00-0048	LF	Removal And Storage Of Two Rail Bridge Railing	6.80	
34 05 43 00-0049	LF	Removal And Storage Of Three Rail Bridge Railing	10.19	
34 05 43 00-0050	LF	Removal And Storage Of Four Rail Bridge Railing	13.59	
34 05 43 00-0051		**Install Stored Or Supplied Bridge Railings** *(34 05 43 00-0045)*		
		See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0052	LF	Install Stored Or Supplied One Rail Bridge Railing	28.63	
34 05 43 00-0053	LF	Install Stored Or Supplied Two Rail Bridge Railing	57.26	
34 05 43 00-0054	LF	Install Stored Or Supplied Three Rail Bridge Railing	85.89	
34 05 43 00-0055	LF	Install Stored Or Supplied Four Rail Bridge Railing	114.52	
34 05 43 00-0056		**Bridge Bearings** *(34 05 43)*		
		Note: Excludes drilling and anchor bolts.		
34 05 43 00-0057		**Elastomeric Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0058	EA	Plain Elastomeric, Type EP Bearing, 716-10, All Loads	1,035.04	174.26
34 05 43 00-0059	EA	Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,436.28	348.54
		For >100K To 250K Load, Add	*95.70*	
		For >250K To 500K Load, Add	*191.41*	
		For >500K To 750K Load, Add	*287.11*	
34 05 43 00-0060	EA	Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	3,621.89	522.80
		For >100K To 250K Load, Add	*290.30*	
		For >250K To 500K Load, Add	*580.61*	
		For >500K To 750K Load, Add	*870.91*	
34 05 43 00-0061		**Fixed Structural Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0062	EA	100K To 250K Fixed Structural Pot Bearing	3,557.36	
34 05 43 00-0063	EA	>250K To 500K Fixed Structural Pot Bearing	5,328.26	
34 05 43 00-0064	EA	>500K To 750K Fixed Structural Pot Bearing	7,099.13	
34 05 43 00-0065		**Universal Structural Expansion Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0066	EA	100K To 250K Universal Structural Pot Bearing	4,247.65	
34 05 43 00-0067	EA	>250K To 500K Universal Structural Pot Bearing	6,380.40	
34 05 43 00-0068	EA	>500K To 750K Universal Structural Pot Bearing	8,515.31	
34 05 43 00-0069		**Guided Structural Expansion Pot Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0070	EA	100K To 250K Guided Structural Pot Bearing	4,408.05	
34 05 43 00-0071	EA	>250K To 500K Guided Structural Pot Bearing	6,620.97	
34 05 43 00-0072	EA	>500K To 750K Guided Structural Pot Bearing	8,836.06	
34 05 43 00-0073		**Remove, Repair And Install Bridge Bearings** *(34 05 43 00-0056)*		
34 05 43 00-0074		**Remove Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0075	EA	100K To 250K Structural Bearing Removal	250.51	
34 05 43 00-0076	EA	>250K To 500K Structural Bearing Removal	501.03	
34 05 43 00-0077	EA	>500K To 750K Structural Bearing Removal	751.53	
34 05 43 00-0078		**Install And Set Supplied Or Restored Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0079	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	375.76	
34 05 43 00-0080	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	751.53	
34 05 43 00-0081	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,127.29	
34 05 43 00-0082		**Power Wash And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates.		
34 05 43 00-0083	EA	100K To 250K Structural Bearing - Power Wash And Paint	591.35	
34 05 43 00-0084	EA	>250K To 500K Structural Bearing - Power Wash And Paint	670.71	
34 05 43 00-0085	EA	>500K To 750K Structural Bearing - Power Wash And Paint	750.07	
34 05 43 00-0086		**Power Wash, Mechanically Clean And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	785.01	
		For Vacuum Contained Cleaning, Add	*193.64*	
34 05 43 00-0088	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	888.55	
		For Vacuum Contained Cleaning, Add	*217.84*	
34 05 43 00-0089	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	991.86	
		For Vacuum Contained Cleaning, Add	*241.98*	
34 05 43 00-0090		**Power Wash And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0091	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	368.29	
34 05 43 00-0092	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	444.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0093	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	520.25	

34 05 43 00-0094 Power Wash, Mechanically Clean And Paint Only Bearing Plates *(34 05 43 00-0073)*

34 05 43 00-0095	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	491.19	
		For Vacuum Contained Cleaning, Add	*121.03*	
34 05 43 00-0096	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	589.49	
		For Vacuum Contained Cleaning, Add	*145.22*	
34 05 43 00-0097	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	687.58	
		For Vacuum Contained Cleaning, Add	*169.37*	

34 05 43 00-0098 Sand Blast And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates.

34 05 43 00-0099	EA	100K To 250K Structural Bearing - Sand Blast And Paint	939.89	
		For Vacuum Contained Cleaning, Add	*232.36*	
34 05 43 00-0100	EA	>250K To 500K Structural Bearing - Sand Blast And Paint	1,062.82	
		For Vacuum Contained Cleaning, Add	*261.40*	
34 05 43 00-0101	EA	>500K To 750K Structural Bearing - Sand Blast And Paint	1,185.74	
		For Vacuum Contained Cleaning, Add	*290.45*	

34 05 43 00-0102 Sand Blast And Paint Only Bearing Plates *(34 05 43 00-0073)*

34 05 43 00-0103	EA	100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates	587.98	
		For Vacuum Contained Cleaning, Add	*145.22*	
34 05 43 00-0104	EA	>250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates	705.67	
		For Vacuum Contained Cleaning, Add	*174.27*	
34 05 43 00-0105	EA	>500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates	823.36	
		For Vacuum Contained Cleaning, Add	*203.31*	

34 05 43 00-0106 Grease Structural Bearings *(34 05 43 00-0073)*

34 05 43 00-0107	EA	100K To 250K Structural Bearing - Grease	36.31	
34 05 43 00-0108	EA	>250K To 500K Structural Bearing - Grease	54.46	
34 05 43 00-0109	EA	>500K To 750K Structural Bearing - Grease	72.61	

34 05 43 00-0110 Replace Bronze Plate Wearing Pad *(34 05 43 00-0073)*

34 05 43 00-0111	SF	Removal And Replacement Of Bronze Plate Wearing Pad	387.32	

34 05 43 00-0112 Bridge Bearing Rivet Removal *(34 05 43 00-0073)*

See CSI section 02 41 19 13-0080 for reaming of hole, 34 05 43 00-0327 for anchors and grouting.

34 05 43 00-0113	EA	Bridge Bearing Rivet Removal	145.22	

34 05 43 00-0114 Bridge Pintels, Side Keeper, And Shim Plates *(34 05 43)*

34 05 43 00-0115	EA	Removal And Replacement Of Bridge Pintel	173.50	
34 05 43 00-0116	EA	Removal And Replacement Of Bridge Side Keeper	179.86	
34 05 43 00-0117	EA	Refabricate And Install Shim Plates At One Bearing	99.56	
34 05 43 00-0118	EA	Refabricate And Install Beveled Shim Plates At One Bearing	99.56	
34 05 43 00-0119	EA	Refabricate And Install Finger Shim Plates At One Bearing	99.56	

34 05 43 00-0120 Vertical Jacking And Lifting For Bridges *(34 05 43)*

Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members, 05 12 23 00-0002 for temporary steel members.

34 05 43 00-0121 Mobilize Jacking Crew And Equipment *(34 05 43 00-0120)*

Note: Includes removing equipment after completion.

34 05 43 00-0122	EA	Mobilize Bridge Jacking Crew and Equipment	1,307.01	
		For Temporary Support Mobilization, Add	*2,614.02*	

34 05 43 00-0123 Vertical Jacking And Lifting Per Point of Contact *(34 05 43 00-0120)*

Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.

34 05 43 00-0124	EA	Up To 10 Ton Jack, Per Point Of Contact	217.83	
		For Synchronized Lift, Add	*43.57*	
		For Jacking From Temporary Support, Add	*87.13*	
34 05 43 00-0125	EA	>10 To 20 Ton Jack, Per Point Of Contact	254.14	
		For Synchronized Lift, Add	*50.83*	
		For Jacking From Temporary Support, Add	*101.66*	
34 05 43 00-0126	EA	>20 To 40 Ton Jack, Per Point Of Contact	290.44	
		For Synchronized Lift, Add	*58.09*	
		For Jacking From Temporary Support, Add	*116.18*	
34 05 43 00-0127	EA	>40 To 60 Ton Jack, Per Point Of Contact	326.75	
		For Synchronized Lift, Add	*65.35*	
		For Jacking From Temporary Support, Add	*130.70*	
34 05 43 00-0128	EA	>60 To 80 Ton Jack, Per Point Of Contact	363.06	
		For Synchronized Lift, Add	*72.61*	
		For Jacking From Temporary Support, Add	*145.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0129	EA	>80 To 100 Ton Jack, Per Point Of Contact	399.36	
		For Synchronized Lift, Add	*79.87*	
		For Jacking From Temporary Support, Add	*159.74*	
34 05 43 00-0130	EA	>100 To 120 Ton Jack, Per Point Of Contact	435.67	
		For Synchronized Lift, Add	*87.13*	
		For Jacking From Temporary Support, Add	*174.27*	
34 05 43 00-0131	EA	>120 To 140 Ton Jack, Per Point Of Contact	453.82	
		For Synchronized Lift, Add	*90.76*	
		For Jacking From Temporary Support, Add	*181.53*	
34 05 43 00-0132	EA	>140 To 160 Ton Jack, Per Point Of Contact	471.97	
		For Synchronized Lift, Add	*94.39*	
		For Jacking From Temporary Support, Add	*188.79*	
34 05 43 00-0133	EA	>160 To 250 Ton Jack, Per Point Of Contact	471.97	
		For Synchronized Lift, Add	*94.39*	
		For Jacking From Temporary Support, Add	*188.79*	
34 05 43 00-0134	EA	>250 To 300 Ton Jack, Per Point Of Contact	508.28	
		For Synchronized Lift, Add	*101.66*	
		For Jacking From Temporary Support, Add	*203.31*	
34 05 43 00-0135	EA	>300 To 400 Ton Jack, Per Point Of Contact	544.58	
		For Synchronized Lift, Add	*108.92*	
		For Jacking From Temporary Support, Add	*217.83*	
34 05 43 00-0136	EA	>400 To 500 Ton Jack, Per Point Of Contact	580.89	
		For Synchronized Lift, Add	*116.18*	
		For Jacking From Temporary Support, Add	*232.36*	
34 05 43 00-0137	EA	>500 To 600 Ton Jack, Per Point Of Contact	617.19	
		For Synchronized Lift, Add	*123.44*	
		For Jacking From Temporary Support, Add	*246.88*	

34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment *(34 05 43 00-0120)*

Note: Includes hydraulics and synchronizing equipment.

34 05 43 00-0139	DAY	Up To 10 Ton Jacking Equipment Charge By The Day	22.31
34 05 43 00-0140	DAY	>10 To 20 Ton Jacking Equipment Charge By The Day	44.62
34 05 43 00-0141	DAY	>20 To 40 Ton Jacking Equipment Charge By The Day	89.24
34 05 43 00-0142	DAY	>40 To 60 Ton Jacking Equipment Charge By The Day	133.87
34 05 43 00-0143	DAY	>60 To 80 Ton Jacking Equipment Charge By The Day	178.49
34 05 43 00-0144	DAY	>80 To 100 Ton Jacking Equipment Charge By The Day	223.11
34 05 43 00-0145	DAY	>100 To 120 Ton Jacking Equipment Charge By The Day	267.73
34 05 43 00-0146	DAY	>120 To 140 Ton Jacking Equipment Charge By The Day	312.35
34 05 43 00-0147	DAY	>140 To 160 Ton Jacking Equipment Charge By The Day	356.97
34 05 43 00-0148	DAY	>160 To 250 Ton Jacking Equipment Charge By The Day	407.34
34 05 43 00-0149	DAY	>250 To 300 Ton Jacking Equipment Charge By The Day	464.37
34 05 43 00-0150	DAY	>300 To 400 Ton Jacking Equipment Charge By The Day	588.20
34 05 43 00-0151	DAY	>400 To 500 Ton Jacking Equipment Charge By The Day	698.48
34 05 43 00-0152	DAY	>500 To 600 Ton Jacking Equipment Charge By The Day	796.29

34 05 43 00-0153 Temporary Shoring *(34 05 43 00-0120)*

Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.

34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0155	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	2,247.50
34 05 43 00-0156	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	1,516.59
34 05 43 00-0157	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	194.83

34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0159	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	2,395.37
34 05 43 00-0160	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	1,420.08
34 05 43 00-0161	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	186.90

34 05 43 00-0162 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0163	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	1,514.63
34 05 43 00-0164	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	524.73
34 05 43 00-0165	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	118.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0166		**HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0167	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	4,471.67	
34 05 43 00-0168	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,295.85	
34 05 43 00-0169	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	320.26	
34 05 43 00-0170		**Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring** *(34 05 43 00-0153)*		
		Note: Excludes mats. See CSI section 01 22 23 00-0607 for mats.		
34 05 43 00-0171	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Set-up	4,209.07	
		Note: Excludes mats.		
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation	1,128.73	
		Note: Excludes mats.		
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal	488.82	
		Note: Excludes mats.		
34 05 43 00-0174		**Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring** *(34 05 43 00-0153)*		
		Note: Excludes mats. See CSI section 01 22 23 00-0607 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	1,896.13	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	301.89	
		Note: Excludes mats.		
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	167.57	
		Note: Excludes mats.		
34 05 43 00-0178		**MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Set-up	2,166.78	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	1,983.79	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	163.60	
34 05 43 00-0182		**MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0183	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Set-up	1,557.91	
34 05 43 00-0184	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Relocation	1,415.32	
34 05 43 00-0185	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	134.85	
34 05 43 00-0186		**Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Set-up	925.54	
		Note: Left in place.		
34 05 43 00-0188		**Temporary Bridge Shoring Components** *(34 05 43 00-0153)*		
		Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0040 for temporary lumber.		
34 05 43 00-0189		**Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring** *(34 05 43 00-0188)*		
		Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temporary Bridge Shoring	75.84	
		Note: Remove after use.		
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temporary Bridge Shoring	174.73	
		Note: Remove after use.		
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temporary Bridge Shoring	152.62	
		Note: Remove after use.		
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temporary Bridge Shoring	175.38	
		Note: Remove after use.		
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring	17.51	
		Note: Remove after use.		
		For Galvanized Steel, Add	*6.62*	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring	22.83	
		Note: Remove after use.		
		For Galvanized Steel, Add	*9.01*	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring	48.15	
		Note: Remove after use.		
		For Galvanized Steel, Add	*20.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	42.30	
		For Galvanized Steel, Add	*18.24*	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	55.97	
		For Galvanized Steel, Add	*24.14*	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	77.64	
		For A50 Grade Steel, Add	*2.95*	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	108.70	
		For A50 Grade Steel, Add	*4.12*	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	170.81	
		For A50 Grade Steel, Add	*6.48*	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	186.33	
		For A50 Grade Steel, Add	*7.07*	
34 05 43 00-0203		**Relocate Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes removal after use.		
34 05 43 00-0204	EA	Relocate Complete Temporary Steel Bridge Shoring Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.	2,503.09	
34 05 43 00-0205	SF	Relocate 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	41.20	
34 05 43 00-0206	LF	Relocate HP12 x 63 For Temporary Bridge Shoring Note: Remove after use.	40.05	
34 05 43 00-0207	LF	Relocate 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	6.84	
34 05 43 00-0208	LF	Relocate 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	8.30	
34 05 43 00-0209	LF	Relocate 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	17.04	
34 05 43 00-0210	SF	Relocate 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	26.22	
34 05 43 00-0211	LF	Relocate MC7 x 19.1 For Temporary Bridge Shoring Note: Remove after use.	23.22	
34 05 43 00-0212	LF	Relocate HP12 x 53 For Temporary Bridge Shoring Note: Remove after use.	39.22	
34 05 43 00-0213	SF	Relocate 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	18.73	
34 05 43 00-0214	LF	Relocate 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	15.31	
34 05 43 00-0215	SF	Relocate 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	44.94	
34 05 43 00-0216	LF	Relocate MC18 x 51.9 For Temporary Bridge Shoring Note: Remove after use.	67.02	
34 05 43 00-0217	LF	Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	12.88	
34 05 43 00-0218		**Pier Caps And Pedestal Replacement For Bridges** *(34 05 43)* See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0219	SF	Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges	13.78	
34 05 43 00-0220	CWT	Rebar For Pier Cap Or Pedestals For Bridges	309.67	
34 05 43 00-0221	CY	Pour Pedestals For Bridges	333.96	
34 05 43 00-0222	CY	Demolish Concrete Pedestals For Bridges	2,912.43	
34 05 43 00-0223	CY	Pour Pier Cap For Bridges	394.42	
34 05 43 00-0224	CY	Demolish Concrete Pier Cap For Bridges	3,348.97	
34 05 43 00-0225		**Bridge Deck Repair** *(34 05 43)*		
34 05 43 00-0226		**Bridge Expansion Joint Repair** *(34 05 43 00-0225)* Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0227	CF	Removal And Replacement Of Header With Semi-Flexible Polymer Nosing System For Bridge Expansion Joint Repair	802.17	
		For Owner Furnished Material, Deduct	*-631.45*	
34 05 43 00-0228	CF	Removal And Replacement Of Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	142.69	
		For Up To 24, Add	*22.38*	
34 05 43 00-0229	CF	Removal And Replacement Of Header With Polyester-Based Polymer Patch For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	147.79	
		For Up To 24, Add	*22.89*	
34 05 43 00-0230	CI	Seal Expansion Joints With Rapid Cure Silicone For Bridge Expansion Joint Repair	7.22	
34 05 43 00-0231	CI	Seal Expansion Joints With Closed Cell Foam/EVA For Bridge Expansion Joint Repair	0.56	
34 05 43 00-0232	LF	Seal Expansion Joints With "V" Shape Preformed Silicone For Bridge Expansion Joint Repair	85.80	
		For >1,000 To 2,500, Deduct	*-8.58*	
		For >2,500, Deduct	*-13.46*	
34 05 43 00-0233	LF	Seal Expansion Joints With "W" Shape Preformed Silicone For Bridge Expansion Joint Repair	91.81	
		For >1,000 To 2,500, Deduct	*-9.18*	
		For >2,500, Deduct	*-14.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 05 43 00-0234 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.

34 05 43 00-0235	LF	1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	166.14	
		For >1,000 To 2,500, Deduct	*-16.61*	
		For >2,500, Deduct	*-27.01*	
34 05 43 00-0236	LF	1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	192.61	
		For >1,000 To 2,500, Deduct	*-19.26*	
		For >2,500, Deduct	*-31.07*	
34 05 43 00-0237	LF	1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	145.52	
		For >1,000 To 2,500, Deduct	*-14.55*	
		For >2,500, Deduct	*-23.84*	
34 05 43 00-0238	LF	1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	143.22	
		For >1,000 To 2,500, Deduct	*-14.32*	
		For >2,500, Deduct	*-23.49*	

34 05 43 00-0239 Silicone Joint Sealant For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.

34 05 43 00-0240	LF	1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	20.80	
		For >1,000 To 2,500, Deduct	*-2.08*	
		For >2,500, Deduct	*-3.56*	
34 05 43 00-0241	LF	1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	29.73	
		For >1,000 To 2,500, Deduct	*-2.97*	
		For >2,500, Deduct	*-4.91*	
34 05 43 00-0242	LF	2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	45.37	
		For >1,000 To 2,500, Deduct	*-4.54*	
		For >2,500, Deduct	*-7.26*	
34 05 43 00-0243	LF	2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	49.08	
		For >1,000 To 2,500, Deduct	*-4.91*	
		For >2,500, Deduct	*-7.82*	

34 05 43 00-0244 V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.

34 05 43 00-0245	LF	3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	69.71	
		For >1,000 To 2,500, Deduct	*-6.97*	
		For >2,500, Deduct	*-11.66*	
34 05 43 00-0246	LF	4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	73.86	
		For >1,000 To 2,500, Deduct	*-7.39*	
		For >2,500, Deduct	*-12.33*	

34 05 43 00-0247 J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, and epoxy.

34 05 43 00-0248	LF	2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	73.64	
		For >1,000 To 2,500, Deduct	*-7.36*	
		For >2,500, Deduct	*-12.14*	
34 05 43 00-0249	LF	2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	91.28	
		For >1,000 To 2,500, Deduct	*-9.13*	
		For >2,500, Deduct	*-14.84*	
34 05 43 00-0250	LF	3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	118.02	
		For >1,000 To 2,500, Deduct	*-11.80*	
		For >2,500, Deduct	*-18.90*	
34 05 43 00-0251	LF	3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	147.84	
		For >1,000 To 2,500, Deduct	*-14.78*	
		For >2,500, Deduct	*-23.43*	
34 05 43 00-0252	LF	4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	167.14	
		For >1,000 To 2,500, Deduct	*-16.71*	
		For >2,500, Deduct	*-26.39*	
34 05 43 00-0253	LF	5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	331.20	
		For >1,000 To 2,500, Deduct	*-33.12*	
		For >2,500, Deduct	*-51.12*	

34 05 43 00-0254 Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, and lubricant adhesive.

34 05 43 00-0255	LF	1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	29.08	
		For >1,000 To 2,500, Deduct	*-2.91*	
		For >2,500, Deduct	*-5.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0256	LF	1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	32.46	
		For >1,000 To 2,500, Deduct	*-3.25*	
		For >2,500, Deduct	*-5.91*	
34 05 43 00-0257	LF	1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	34.54	
		For >1,000 To 2,500, Deduct	*-3.45*	
		For >2,500, Deduct	*-6.25*	
34 05 43 00-0258	LF	2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	37.17	
		For >1,000 To 2,500, Deduct	*-3.72*	
		For >2,500, Deduct	*-6.67*	
34 05 43 00-0259	LF	2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	43.94	
		For >1,000 To 2,500, Deduct	*-4.39*	
		For >2,500, Deduct	*-7.74*	
34 05 43 00-0260	LF	3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	52.97	
		For >1,000 To 2,500, Deduct	*-5.30*	
		For >2,500, Deduct	*-9.14*	
34 05 43 00-0261	LF	3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	65.88	
		For >1,000 To 2,500, Deduct	*-6.59*	
		For >2,500, Deduct	*-11.14*	
34 05 43 00-0262	LF	4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	78.99	
		For >1,000 To 2,500, Deduct	*-7.90*	
		For >2,500, Deduct	*-13.16*	
34 05 43 00-0263	LF	4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	83.57	
		For >1,000 To 2,500, Deduct	*-8.36*	
		For >2,500, Deduct	*-13.91*	
34 05 43 00-0264	LF	5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	98.72	
		For >1,000 To 2,500, Deduct	*-9.87*	
		For >2,500, Deduct	*-16.25*	
34 05 43 00-0265	LF	6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	153.62	
		For >1,000 To 2,500, Deduct	*-15.36*	
		For >2,500, Deduct	*-24.55*	

34 05 43 00-0266 Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting and epoxy.

34 05 43 00-0267	LF	1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	24.45	
		For >1,000 To 2,500, Deduct	*-2.45*	
		For >2,500, Deduct	*-4.57*	
34 05 43 00-0268	LF	5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	25.23	
		For >1,000 To 2,500, Deduct	*-2.52*	
		For >2,500, Deduct	*-4.71*	
34 05 43 00-0269	LF	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	26.00	
		For >1,000 To 2,500, Deduct	*-2.60*	
		For >2,500, Deduct	*-4.85*	
34 05 43 00-0270	LF	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	27.12	
		For >1,000 To 2,500, Deduct	*-2.71*	
		For >2,500, Deduct	*-5.04*	
34 05 43 00-0271	LF	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	28.26	
		For >1,000 To 2,500, Deduct	*-2.83*	
		For >2,500, Deduct	*-5.23*	
34 05 43 00-0272	LF	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	46.39	
		For >1,000 To 2,500, Deduct	*-4.64*	
		For >2,500, Deduct	*-7.98*	
34 05 43 00-0273	LF	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	49.72	
		For >1,000 To 2,500, Deduct	*-4.97*	
		For >2,500, Deduct	*-8.53*	
34 05 43 00-0274	LF	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	51.89	
		For >1,000 To 2,500, Deduct	*-5.19*	
		For >2,500, Deduct	*-8.88*	
34 05 43 00-0275	LF	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	55.58	
		For >1,000 To 2,500, Deduct	*-5.56*	
		For >2,500, Deduct	*-9.46*	
34 05 43 00-0276	LF	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	59.80	
		For >1,000 To 2,500, Deduct	*-5.98*	
		For >2,500, Deduct	*-10.12*	
34 05 43 00-0277	LF	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	64.23	
		For >1,000 To 2,500, Deduct	*-6.42*	
		For >2,500, Deduct	*-10.81*	
34 05 43 00-0278	LF	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	66.28	
		For >1,000 To 2,500, Deduct	*-6.63*	
		For >2,500, Deduct	*-11.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0279	LF	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	74.12	
		For >1,000 To 2,500, Deduct	*-7.41*	
		For >2,500, Deduct	*-12.35*	
34 05 43 00-0280	LF	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	80.53	
		For >1,000 To 2,500, Deduct	*-8.05*	
		For >2,500, Deduct	*-13.34*	
34 05 43 00-0281	LF	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	85.93	
		For >1,000 To 2,500, Deduct	*-8.59*	
		For >2,500, Deduct	*-14.17*	
34 05 43 00-0282	LF	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	88.05	
		For >1,000 To 2,500, Deduct	*-8.81*	
		For >2,500, Deduct	*-14.52*	
34 05 43 00-0283	EA	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	108.98	
34 05 43 00-0284	EA	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	112.68	
34 05 43 00-0285	EA	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	134.44	
34 05 43 00-0286	EA	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	140.88	
34 05 43 00-0287	EA	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	145.19	
34 05 43 00-0288	EA	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	170.31	
34 05 43 00-0289	EA	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	175.03	
34 05 43 00-0290	EA	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	180.70	
34 05 43 00-0291	EA	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	186.70	
34 05 43 00-0292	EA	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	219.31	
34 05 43 00-0293	EA	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	231.16	
34 05 43 00-0294	EA	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	240.58	
34 05 43 00-0295	EA	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	248.27	
34 05 43 00-0296	EA	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	250.76	

34 05 43 00-0297 Remove Existing Steel Joint System *(34 05 43 00-0225)*

34 05 43 00-0298	LF	Removal Of Existing Steel Joint System	29.74	

34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine *(34 05 43 00-0225)*

Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0300	SY	Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine	14.74	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,500, Deduct	*-2.65*	
		For >2,500 To 5,000, Deduct	*-3.83*	
		For >5,000 To 10,000, Deduct	*-5.01*	
		For >10,000, Deduct	*-6.19*	
34 05 43 00-0301	SY	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	20.14	
		For >500 To 1,000, Deduct	*-2.01*	
		For >1,000 To 2,500, Deduct	*-3.63*	
		For >2,500 To 5,000, Deduct	*-5.24*	
		For >5,000 To 10,000, Deduct	*-6.85*	
		For >10,000, Deduct	*-8.46*	
34 05 43 00-0302	SY	Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine	24.43	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,500, Deduct	*-4.40*	
		For >2,500 To 5,000, Deduct	*-6.35*	
		For >5,000 To 10,000, Deduct	*-8.31*	
		For >10,000, Deduct	*-10.26*	
34 05 43 00-0303	SY	Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	31.41	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000 To 2,500, Deduct	*-5.65*	
		For >2,500 To 5,000, Deduct	*-8.17*	
		For >5,000 To 10,000, Deduct	*-10.68*	
		For >10,000, Deduct	*-13.19*	
34 05 43 00-0304	SY	Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	56.15	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000 To 2,500, Deduct	*-10.11*	
		For >2,500 To 5,000, Deduct	*-14.60*	
		For >5,000 To 10,000, Deduct	*-19.09*	
		For >10,000, Deduct	*-23.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0305	SY	Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	73.29	
		For >500 To 1,000, Deduct	*-7.33*	
		For >1,000 To 2,500, Deduct	*-13.19*	
		For >2,500 To 5,000, Deduct	*-19.06*	
		For >5,000 To 10,000, Deduct	*-24.92*	
		For >10,000, Deduct	*-30.78*	
34 05 43 00-0306	SY	Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	95.81	
		For >500 To 1,000, Deduct	*-9.58*	
		For >1,000 To 2,500, Deduct	*-17.25*	
		For >2,500 To 5,000, Deduct	*-24.91*	
		For >5,000 To 10,000, Deduct	*-32.58*	
		For >10,000, Deduct	*-40.24*	
34 05 43 00-0307	SY	Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	116.29	
		For >500 To 1,000, Deduct	*-11.63*	
		For >1,000 To 2,500, Deduct	*-20.93*	
		For >2,500 To 5,000, Deduct	*-30.24*	
		For >5,000 To 10,000, Deduct	*-39.54*	
		For >10,000, Deduct	*-48.84*	

34 05 43 00-0308 Break-Up And Remove Bridge Decking By Hand *(34 05 43 00-0225)*

Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0309	SF	Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	6.95
34 05 43 00-0310	SF	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	9.13
34 05 43 00-0311	SF	Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	11.88
34 05 43 00-0312	SF	Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	8.68
34 05 43 00-0313	SF	Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	10.85
34 05 43 00-0314	SF	Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	13.03
34 05 43 00-0315	SF	Chipping And Cleaning Of Bridge Deck After Break-up And Removals	3.55

34 05 43 00-0316 Galvanic Anodes For Bridges *(34 05 43)*

34 05 43 00-0317	EA	2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	58.34
34 05 43 00-0318	EA	4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	58.34
34 05 43 00-0319	EA	2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	67.15
34 05 43 00-0320	EA	4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	73.84
34 05 43 00-0321	EA	2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	67.15
34 05 43 00-0322	EA	1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	69.38
34 05 43 00-0323	EA	1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	84.99
34 05 43 00-0324	EA	1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	78.30

34 05 43 00-0325 Bridge Netting Panels *(34 05 43)*

34 05 43 00-0326	SF	Bridge Netting Panel Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.	9.79
		For Up To 160, Add	*4.72*
		For >160 To 320, Add	*2.36*
		For >320 To 480, Add	*1.18*
		For >2,000 To 10,000, Deduct	*-0.46*
		For >10,000 To 25,000, Deduct	*-0.92*
		For >25,000, Deduct	*-1.38*

34 05 43 00-0327 Anchors For Bridges *(34 05 43)*

Note: Excludes core drilling. See CSI section 02 41 19 13-0080 for core drilling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0328		**Threaded Rod, A449** *(34 05 43 00-0327)*		
34 05 43 00-0329	LF	7/8" Diameter Continuous Threaded Rod, A449	20.24	
34 05 43 00-0330	LF	1" Diameter Continuous Threaded Rod, A449	24.18	
34 05 43 00-0331	LF	1-1/8" Diameter Continuous Threaded Rod, A449	28.13	
34 05 43 00-0332	LF	1-1/4" Diameter Continuous Threaded Rod, A449	35.87	
34 05 43 00-0333		**Flat Washers, F436** *(34 05 43 00-0327)*		
34 05 43 00-0334	EA	7/8" Flat Washer, F436	1.73	
34 05 43 00-0335	EA	1" Flat Washer, F436	2.05	
34 05 43 00-0336	EA	1-1/8" Flat Washer, F436	2.25	
34 05 43 00-0337	EA	1-1/4" Flat Washer, F436	2.57	
34 05 43 00-0338		**Heavy Hex Nut, A194** *(34 05 43 00-0327)*		
34 05 43 00-0339	EA	7/8" Hex Nut, A194	3.86	
34 05 43 00-0340	EA	1" Hex Nut, A194	5.46	
34 05 43 00-0341	EA	1-1/8" Hex Nut, A194	6.55	
34 05 43 00-0342	EA	1-1/4" Hex Nut, A194	7.92	
34 05 43 00-0343		**Grout For Threaded Rod** *(34 05 43 00-0327)*		
34 05 43 00-0344	IN	Grout 7/8" Rod In Hole	1.69	
34 05 43 00-0345	IN	Grout 1" Rod In Hole	1.93	
34 05 43 00-0346	IN	Grout 1-1/8" Rod In Hole	2.25	
34 05 43 00-0347	IN	Grout 1-1/4" Rod In Hole	2.69	
34 05 43 00-0348		**Test Grouted Anchor** *(34 05 43 00-0327)*		
34 05 43 00-0349	EA	Test Grouted Anchor	37.55	
34 05 43 00-0350		**Removal Of Fasteners Or Anchors In Concrete** *(34 05 43 00-0327)*		
		Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0351	EA	Drill Out 3/8" Diameter Fastener/Anchor In Concrete	20.09	
34 05 43 00-0352	EA	Drill Out 1/2" Diameter Fastener/Anchor In Concrete	21.62	
34 05 43 00-0353	EA	Drill Out 9/16" Diameter Fastener/Anchor In Concrete	23.00	
34 05 43 00-0354	EA	Drill Out 5/8" Diameter Fastener/Anchor In Concrete	25.57	
34 05 43 00-0355	EA	Drill Out 3/4" Diameter Fastener/Anchor In Concrete	27.88	
34 05 43 00-0356	EA	Drill Out 7/8" Diameter Fastener/Anchor In Concrete	31.20	
34 05 43 00-0357	EA	Drill Out 1" Diameter Fastener/Anchor In Concrete	33.10	
34 05 43 00-0358	EA	Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete	35.47	
34 05 43 00-0359	EA	Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete	38.56	
34 05 43 00-0360	EA	Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete	43.08	
34 05 43 00-0361		**Bridge Surfacing** *(34 05 43)*		
34 05 43 00-0362		**Bridge Coatings** *(34 05 43 00-0361)*		
		Note: Includes sweeping of bridge deck.		
34 05 43 00-0363	SF	Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats)	1.07	
		Note: Includes power washing and drying after power washing.		
34 05 43 00-0364	SF	Protective Seal Coat For Existing Bridge Decks	1.75	
34 05 43 00-0365	SF	Penetrating Sealer For Existing Bridge Decks	3.06	
34 05 43 00-0366		**Bridge Membranes** *(34 05 43 00-0361)*		
		Note: Excludes abrasive blasting of deck.		
34 05 43 00-0367	SF	Spray Applied Waterproofing Membrane For Bridge Decks	10.20	
34 05 43 00-0368	SF	Sheet Applied Waterproofing Membrane For Bridge Decks	3.16	
34 05 43 00-0369		**Sealer And Overlay For Bridge Deck** *(34 05 43 00-0361)*		
		Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0370	SY	Shot Blasting Bridge Decks	7.13	
		Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0371	SY	Thin Polymer (Epoxy) Overlay For Bridge Deck	85.31	
		Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0372	SY	3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	126.91	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0373	SY	1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	153.53	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0374	SY	1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	209.58	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0375	SY	2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	265.62	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0376	SY	2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	321.67	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0377	SY	3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	377.72	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0378		**Broadcast Silica Sand** *(34 05 43 00-0361)* Note: Includes removing loose sand.		
34 05 43 00-0379	SF	Broadcast Silica Sand	0.21	
34 05 43 00-0380		**Sweeping And Cleaning Of Bridge Deck** *(34 05 43 00-0361)* See CSI section 01 22 23 00-1551 for water trucks, 01 22 23 00-1574 for vacuum sweeper trucks.		
34 05 43 00-0381		**Concrete Overlay For Bridge Deck** *(34 05 43 00-0361)* Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0382	SY	3" Concrete Overlay For Bridge Deck	118.26	
		For DOT Class DP, Add	*32.11*	
		For DOT Class E, Add	*10.48*	
		For DOT Class HP, Add	*30.66*	
34 05 43 00-0383		**Bridge Roadway Grooving** *(34 05 43 00-0361)*		
34 05 43 00-0384	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	2,855.33	
34 05 43 00-0385	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	4.62	
34 05 43 00-0386	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	3,180.94	
34 05 43 00-0387	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	6.03	
34 05 43 00-0388		**Gravity Fed Concrete Crack Repair** *(34 05 43 00-0361)* Note: Includes removing loose materials and cleaning.		
34 05 43 00-0389	LF	Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	2.88	
34 05 43 00-0390	LF	HMWM Low Viscosity Gravity Fed Concrete Crack Repair	3.28	
34 05 43 00-0391		**Concrete Pumping With Boom Truck** *(34 05 43 00-0361)* See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
34 05 43 00-0392		**Bridge Girder Repair** *(34 05 43)*		
34 05 43 00-0393		**Bridge Girder Repair** *(34 05 43 00-0392)* Note: Excludes mobilization of bridge jacking crew. See CSI section 05 05 23 00-0048 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0394	HR	UT, MT, PT Testing Note: Excludes mileage to job site.	75.00	
34 05 43 00-0395	EA	Mobilization of Bridge Girder Repair Crew	1,545.59	
34 05 43 00-0396	LF	3" x 3" x 1/4" Angle Iron For Bridge Repair	10.73	2.60
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
34 05 43 00-0397	LF	4" x 4" x 1/4" Angle Iron For Bridge Repair	14.04	3.18
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
34 05 43 00-0398	LF	3" x 3" x 3/8" Angle Iron For Bridge Repair	14.57	2.93
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
34 05 43 00-0399	LF	4" x 4" x 3/8" Angle Iron For Bridge Repair	19.28	3.56
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
34 05 43 00-0400	LF	6" x 4" x 3/8" Angle Iron For Bridge Repair	24.47	4.64
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
34 05 43 00-0401	LF	6" x 6" x 3/8" Angle Iron For Bridge Repair	28.33	4.64
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*70.85*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.73*	
34 05 43 00-0402	LF	6" x 6" x 1/2" Angle Iron For Bridge Repair	37.44	6.24
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0403	LF	7" x 4" x 5/8" Angle Iron For Bridge Repair	41.60	6.57
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*105.09*	
		For Aluminum, Add	*5.91*	
		For Galvanized Steel, Add	*20.36*	
34 05 43 00-0404	LF	5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	36.78	5.52
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*94.14*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.24*	
34 05 43 00-0405	LF	6" x 4" x 3/4" Angle Iron For Bridge Repair	43.84	6.58
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
34 05 43 00-0406	LF	7" x 4" x 3/4" Angle Iron For Bridge Repair	48.67	7.31
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*124.58*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.14*	
34 05 43 00-0407	LF	8" x 6" x 7/8" Angle Iron For Bridge Repair	71.68	10.18
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*185.95*	
		For Aluminum, Add	*10.46*	
		For Galvanized Steel, Add	*36.03*	
34 05 43 00-0408	LF	C4 x 5.4 - 4" Wide Channels For Bridge Repair	12.48	3.34
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
34 05 43 00-0409	LF	C6 x 8.2 - 6" Wide Channels For Bridge Repair	18.42	4.68
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*38.98*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.55*	
34 05 43 00-0410	LF	C8 x 11.5 - 8" Wide Channels For Bridge Repair	25.27	6.14
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*54.69*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.60*	
34 05 43 00-0411	LF	C10 x 15.3 - 10" Wide Channels For Bridge Repair	33.61	8.16
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
34 05 43 00-0412	LF	C12 x 20.7 - 12" Wide Channels For Bridge Repair	45.49	11.05
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*98.43*	
		For Aluminum, Add	*5.54*	
		For Galvanized Steel, Add	*19.07*	
34 05 43 00-0413	LF	C15 x 33.9 - 15" Wide Channels For Bridge Repair	74.49	18.09
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*161.18*	
		For Aluminum, Add	*9.07*	
		For Galvanized Steel, Add	*31.23*	
34 05 43 00-0414	SF	1/2" A36 Steel Plates For Bridge Repair	54.62	7.11
		For A50 Grade Steel, Add	*2.36*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0415	SF	5/8" A36 Steel Plates For Bridge Repair	68.28	8.90
		For A50 Grade Steel, Add	*2.95*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0416	SF	3/4" A36 Steel Plates For Bridge Repair	81.93	10.63
		For A50 Grade Steel, Add	*3.54*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0417	SF	7/8" A36 Steel Plates For Bridge Repair	95.59	12.45
		For A50 Grade Steel, Add	*4.12*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0418	SF	1" A36 Steel Plates For Bridge Repair	109.24	14.24
		For A50 Grade Steel, Add	*4.71*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0419	SF	1-1/4" A36 Steel Plates For Bridge Repair	136.56	17.79
		For A50 Grade Steel, Add	*5.89*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0420	SF	1-3/8" A36 Steel Plates For Bridge Repair	150.21	19.57
		For A50 Grade Steel, Add	*6.48*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0421	SF	1-1/2" A36 Steel Plates For Bridge Repair	163.87	21.35
		For A50 Grade Steel, Add	*7.07*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0422	CWT	Removal Of Existing Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	36.01	
		For Removal Over 30' To 50', Add	*7.20*	
		For Removal Over 50' To 75', Add	*12.60*	
		For Removal Over 75', Add	*18.01*	
34 05 43 00-0423	TON	Removal Of Existing Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	480.19	
		For Removal Over 30' To 50', Add	*96.04*	
		For Removal Over 50' To 75', Add	*168.07*	
		For Removal Over 75', Add	*240.10*	
34 05 43 00-0424	CWT	Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	459.99	
		For A50 Grade Steel, Add	*84.80*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
34 05 43 00-0425	TON	Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	7,439.48	
		For A50 Grade Steel, Add	*1,391.86*	
		Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece	*30.00*	
34 05 43 00-0426	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter Note: Per each hole drilled per steel member.	23.04	
34 05 43 00-0427	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter Note: Per each hole drilled per steel member.	29.82	
34 05 43 00-0428	EA	Bolts A325 For Steel Repair Connections Up To 7/8"	23.41	0.99
34 05 43 00-0429	EA	Bridge Girder Rivet Removal	153.70	
34 05 43 00-0430	LF	Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	4.45	
34 05 43 00-0431	LF	>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	6.93	
34 05 43 00-0432	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	9.41	
34 05 43 00-0433	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	11.88	
34 05 43 00-0434	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	14.36	
34 05 43 00-0435	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	16.84	

34 05 43 00-0436 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces *(34 05 43 00-0392)*

34 05 43 00-0437	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	0.72	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
34 05 43 00-0438	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.00	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
34 05 43 00-0439	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.43	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.26*	
34 05 43 00-0440	SF	Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.40	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.21*	
		For >15,000 To 30,000, Deduct	*-0.34*	
		For >30,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0441	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	1.84	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.26*	
		For >30,000, Deduct	*-0.34*	
34 05 43 00-0442	SF	Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	2.30	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 15,000, Deduct	*-0.20*	
		For >15,000 To 30,000, Deduct	*-0.32*	
		For >30,000, Deduct	*-0.42*	
34 05 43 00-0443	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	2.98	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.42*	
		For >30,000, Deduct	*-0.55*	
34 05 43 00-0444	SF	Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	3.73	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 15,000, Deduct	*-0.32*	
		For >15,000 To 30,000, Deduct	*-0.52*	
		For >30,000, Deduct	*-0.68*	

34 05 43 00-0445 Galvanized Anchor Bolts For Bridge Bearings *(34 05 43 00-0392)*

34 05 43 00-0446	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	17.93
34 05 43 00-0447	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	22.09
34 05 43 00-0448	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	29.26
34 05 43 00-0449	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	36.91
34 05 43 00-0450	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	48.22
34 05 43 00-0451	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	54.91
34 05 43 00-0452	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	54.55
34 05 43 00-0453	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	63.31
34 05 43 00-0454	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	80.20
34 05 43 00-0455	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	100.18
34 05 43 00-0456	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	73.98
34 05 43 00-0457	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	88.23
34 05 43 00-0458	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	116.39
34 05 43 00-0459	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	94.72
34 05 43 00-0460	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	113.72
34 05 43 00-0461	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	142.11
34 05 43 00-0462	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	173.93
34 05 43 00-0463	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	117.30
34 05 43 00-0464	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	140.88
34 05 43 00-0465	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	176.10
34 05 43 00-0466	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	215.45
34 05 43 00-0467	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	145.47
34 05 43 00-0468	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	174.79
34 05 43 00-0469	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	218.56
34 05 43 00-0470	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	267.29
34 05 43 00-0471	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	180.69
34 05 43 00-0472	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	217.12
34 05 43 00-0473	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	271.65
34 05 43 00-0474	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	332.12

34 05 43 00-0475 Welding For Bridge Repair *(34 05 43 00-0392)*

34 05 43 00-0476	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	2,034.93
34 05 43 00-0477	LF	3/16" Fillet Welding For Bridge Repair	8.18
		For Full Penetration Weld, Add	*2.72*
34 05 43 00-0478	LF	1/4" Fillet Welding For Bridge Repair	12.31
		For Full Penetration Weld, Add	*4.08*
34 05 43 00-0479	LF	5/16" Fillet Welding For Bridge Repair	16.44
		For Full Penetration Weld, Add	*5.45*
34 05 43 00-0480	LF	3/8" Fillet Welding For Bridge Repair	20.49
		For Full Penetration Weld, Add	*6.81*
34 05 43 00-0481	LF	7/16" Fillet Welding For Bridge Repair	23.18
		For Full Penetration Weld, Add	*8.17*
34 05 43 00-0482	LF	1/2" Fillet Welding For Bridge Repair	28.49
		For Full Penetration Weld, Add	*9.46*
34 05 43 00-0483	LF	9/16" Fillet Welding For Bridge Repair	32.19
		For Full Penetration Weld, Add	*11.14*
34 05 43 00-0484	LF	5/8" Fillet Welding For Bridge Repair	35.77
		For Full Penetration Weld, Add	*12.26*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0485	LF	3/4" Fillet Welding For Bridge Repair	50.70	
		For Full Penetration Weld, Add	*16.75*	
34 05 43 00-0486	LF	7/8" Fillet Welding For Bridge Repair	65.35	
		For Full Penetration Weld, Add	*22.21*	
34 05 43 00-0487	LF	1" Fillet Welding For Bridge Repair	93.09	
		For Full Penetration Weld, Add	*30.64*	

34 05 43 00-0488 Bridge Trough Repair *(34 05 43)*

34 05 43 00-0489	EA	New Bridge Trough Hanger	291.76	12.40
34 05 43 00-0490	EA	Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom	43.30	
34 05 43 00-0491	EA	Removal And Replacement Of All Thread For Existing Bridge Trough Hanger	124.06	
34 05 43 00-0492	EA	Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger	36.51	

34 05 43 00-0493 Spot Paint Removal And Painting, Bridge Structural Steel *(34 05 43)*

34 05 43 00-0494	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor	98.15	
34 05 43 00-0495	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal	93.68	
34 05 43 00-0496	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal	23.42	
34 05 43 00-0497	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	167.62	
34 05 43 00-0498	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	41.90	
34 05 43 00-0499	CF	Treat and Dispose of Removed Paint Waste	5.12	
34 05 43 00-0500	SF	Flat Surfaces Spot Painting Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.	26.84	
34 05 43 00-0501	EA	Minimum Charge For Plastic Barrier Enclosure for Paint Removal Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	899.99	
34 05 43 00-0502	SF	Plastic Barrier Enclosure For Paint Removal Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	2.81	

34 05 43 00-0503 End Beam Cleaning And Painting For Bridges *(34 05 43)*

34 05 43 00-0504	SF	End Beam Cleaning and Painting Note: Includes high-pressure wash at minimum 3,003 to 5,000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC – SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	3.31	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*2.18*	
		For >500 To 3,000, Add	*1.09*	
		For >5,000 To 7,500, Deduct	*-0.44*	
		For >7,500 To 10,000, Deduct	*-0.59*	
		For >10,000, Deduct	*-0.78*	

34 05 43 00-0505 Pedestrian Fences For Bridges *(34 05 43)*

34 05 43 00-0506 Pedestrian Fence Assembly For Bridges *(34 05 43 00-0505)*

Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.

34 05 43 00-0507 Galvanized Pedestrian Fence Assembly For Bridges *(34 05 43 00-0506)*

34 05 43 00-0508	LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	46.73	6.04
		For Posts 8' On Centers, Add	*2.45*	
		For Posts 5' On Centers, Add	*9.05*	
		For Up To 100, Add	*7.99*	
		For >100 To 250, Add	*2.83*	
34 05 43 00-0509	LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	51.39	6.34
		For Posts 8' On Centers, Add	*2.69*	
		For Posts 5' On Centers, Add	*9.92*	
		For Up To 100, Add	*8.73*	
		For >100 To 250, Add	*3.08*	
34 05 43 00-0510	LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	56.10	6.64
		For Posts 8' On Centers, Add	*2.93*	
		For Posts 5' On Centers, Add	*10.80*	
		For Up To 100, Add	*9.49*	
		For >100 To 250, Add	*3.34*	
34 05 43 00-0511	LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	58.93	6.94
		For Posts 8' On Centers, Add	*3.08*	
		For Posts 5' On Centers, Add	*11.34*	
		For Up To 100, Add	*9.96*	
		For >100 To 250, Add	*3.51*	
34 05 43 00-0512	LF	>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	67.79	7.55
		For Posts 8' On Centers, Add	*3.54*	
		For Posts 5' On Centers, Add	*13.00*	
		For Up To 100, Add	*11.39*	
		For >100 To 250, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0513		Vinyl Coated Pedestrian Fence Assembly For Bridges *(34 05 43 00-0506)*		
34 05 43 00-0514	LF	4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	49.73	6.04
		For Powder Coated, Add	*7.99*	
		For Aluminum Coated, Add	*15.98*	
		For Posts 8' On Centers, Add	*2.60*	
		For Posts 5' On Centers, Add	*9.59*	
		For Up To 100, Add	*8.44*	
		For >100 To 250, Add	*2.98*	
34 05 43 00-0515	LF	>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	55.18	6.34
		For Powder Coated, Add	*8.98*	
		For Aluminum Coated, Add	*17.97*	
		For Posts 8' On Centers, Add	*2.88*	
		For Posts 5' On Centers, Add	*10.60*	
		For Up To 100, Add	*9.30*	
		For >100 To 250, Add	*3.27*	
34 05 43 00-0516	LF	>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	63.79	6.64
		For Powder Coated, Add	*10.61*	
		For Aluminum Coated, Add	*21.22*	
		For Posts 8' On Centers, Add	*3.32*	
		For Posts 5' On Centers, Add	*12.18*	
		For Up To 100, Add	*10.64*	
		For >100 To 250, Add	*3.73*	
34 05 43 00-0517	LF	>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	67.88	6.94
		For Powder Coated, Add	*11.33*	
		For Aluminum Coated, Add	*22.66*	
		For Posts 8' On Centers, Add	*3.53*	
		For Posts 5' On Centers, Add	*12.95*	
		For Up To 100, Add	*11.31*	
		For >100 To 250, Add	*3.96*	
34 05 43 00-0518	LF	>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	78.22	7.55
		For Powder Coated, Add	*13.20*	
		For Aluminum Coated, Add	*26.40*	
		For Posts 8' On Centers, Add	*4.06*	
		For Posts 5' On Centers, Add	*14.87*	
		For Up To 100, Add	*12.96*	
		For >100 To 250, Add	*4.52*	
34 05 43 00-0519		Bridge Connection Mounting For Pedestrian Fence Assembly *(34 05 43 00-0506)*		
34 05 43 00-0520	EA	Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts Note: Includes drilling into steel post.	40.40	
34 05 43 00-0521	EA	Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	16.08	
34 05 43 00-0522	EA	Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	69.52	
34 05 43 00-0523	EA	Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	72.68	
34 05 43 00-0524	EA	Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	104.73	

34 10 Guideways/Railways *(34)*

34 11 Rail Tracks *(34 10)*

34 11 13 Track Rails *(34 11)*

34 11 13 23 Heavy Rail Track *(34 11 13)*

34 11 13 23-0001		Rail A.R.A.-A. And A.R.A.E., New Prime Rail And Relays *(34 11 13 23)* See CSI section 34 11 36 00-0000 for fasteners and accessories.		
34 11 13 23-0002	LF	Railroad Work, 90 Lb. Prime Rail ARA-A And ARAE	40.00	3.75
34 11 13 23-0003	LF	Railroad Work, 90 Lb. Prime Relay ARA-A And ARAE	22.22	3.75
34 11 13 23-0004	LF	Railroad Work, 100 Lb. Prime Rail ARA-A And ARAE	44.02	3.94
34 11 13 23-0005	LF	Railroad Work, 100 Lb. Prime Relay ARA-A And ARAE	24.34	3.94
34 11 13 23-0006	LF	Railroad Work, 110 Lb. Prime Rail ARA-A And ARAE	49.77	4.12
34 11 13 23-0007	LF	Railroad Work, 110 Lb. Prime Relay ARA-A And ARAE	27.28	4.12
34 11 13 23-0008	LF	Railroad Work, 115 Lb. Prime Rail ARA-A And ARAE	58.69	4.50
34 11 13 23-0009	LF	Railroad Work, 115 Lb. Prime Relay ARA-A And ARAE	31.93	4.50
34 11 13 23-0010	LF	Railroad Work, 132 Lb. Prime Rail ARA-A And ARAE	67.79	5.00
34 11 13 23-0011	LF	Railroad Work, 132 Lb. Prime Relay ARA-A And ARAE	36.75	5.00
34 11 13 23-0012		Turnouts, A.R.A.-A. And A.R.E.A., New No. 8 *(34 11 13 23)*		
34 11 13 23-0013	EA	Railroad Work, 90 Lb. Number 8 Turnout ARA-A And ARAE	26,244.96	1,400.30
34 11 13 23-0014	EA	Railroad Work, 90 Lb. Number 8 Turnout Relay ARA-A And ARAE	19,046.37	1,400.30
34 11 13 23-0015	EA	Railroad Work, 100 Lb. Number 8 Turnout ARA-A And ARAE	28,199.49	1,400.30
34 11 13 23-0016	EA	Railroad Work, 100 Lb. Number 8 Turnout Relay ARA-A And ARAE	20,645.17	1,400.30
34 11 13 23-0017	EA	Railroad Work, 110 Lb. Number 8 Turnout ARA-A And ARAE	29,438.57	1,400.30
34 11 13 23-0018	EA	Railroad Work, 110 Lb. Number 8 Turnout Relay ARA-A And ARAE	21,132.80	1,400.30
34 11 13 23-0019	EA	Railroad Work, 115 Lb. Number 8 Turnout ARA-A And ARAE	38,191.99	1,400.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 13 23-0020	EA	Railroad Work, 115 Lb. Number 8 Turnout Relay ARA-A And ARAE	21,444.57	1,400.30
34 11 13 23-0021	EA	Railroad Work, 132 Lb. Number 8 Turnout ARA-A And ARAE	40,488.13	1,400.30
34 11 13 23-0022	EA	Railroad Work, 132 Lb. Number 8 Turnout Relay ARA-A And ARAE	22,302.79	1,400.30

34 11 19 Track Rail Joints *(34 11)*

34 11 19 00-0001 Angle Bars A.R.A.-A. And A.R.E.A. *(34 11 19)*

Note: New prime angle bars and relays.

34 11 19 00-0002	PR	Railroad Work, 90 Lb. Angle Bar ARA-A And ARAE	100.13	1.80
34 11 19 00-0003	PR	Railroad Work, 90 Lb. Angle Bar Relay ARA-A And ARAE	42.39	1.80
34 11 19 00-0004	PR	Railroad Work, 100 Lb. Angle Bar ARA-A And ARAE	105.27	1.80
34 11 19 00-0005	PR	Railroad Work, 100 Lb. Angle Bar Relay ARA-A And ARAE	44.46	1.80
34 11 19 00-0006	PR	Railroad Work, 110 Lb. Angle Bar ARA-A And ARAE	130.79	1.80
34 11 19 00-0007	PR	Railroad Work, 110 Lb. Angle Bar Relay ARA-A And ARAE	54.83	1.80
34 11 19 00-0008	PR	Railroad Work, 115 Lb. Angle Bar ARA-A And ARAE	156.37	1.80
34 11 19 00-0009	PR	Railroad Work, 115 Lb. Angle Bar Relay ARA-A And ARAE	65.21	1.80
34 11 19 00-0010	PR	Railroad Work, 132 Lb. Angle Bar ARA-A And ARAE	187.08	1.80
34 11 19 00-0011	PR	Railroad Work, 132 Lb. Angle Bar Relay ARA-A And ARAE	77.65	1.80

34 11 19 00-0012 Tie Plates A.R.A.-A. And A.R.E.A., New Tie Plates And Relays *(34 11 19)*

34 11 19 00-0013	EA	Railroad Work, 90 Lb. Tie Plate ARA-A And ARAE	17.25	0.90
34 11 19 00-0014	EA	Railroad Work, 90 Lb. Tie Plate Relay ARA-A And ARAE	6.19	0.90
34 11 19 00-0015	EA	Railroad Work, 100 Lb. Tie Plate ARA-A And ARAE	17.25	0.90
34 11 19 00-0016	EA	Railroad Work, 100 Lb. Tie Plate Relay ARA-A And ARAE	6.19	0.90
34 11 19 00-0017	EA	Railroad Work, 110 Lb. Tie Plate ARA-A And ARAE	25.36	0.90
34 11 19 00-0018	EA	Railroad Work, 110 Lb. Tie Plate Relay ARA-A And ARAE	12.41	0.90
34 11 19 00-0019	EA	Railroad Work, 115 Lb. Tie Plate ARA-A And ARAE	25.36	0.90
34 11 19 00-0020	EA	Railroad Work, 115 Lb. Tie Plate Relay ARA-A And ARAE	12.41	0.90
34 11 19 00-0021	EA	Railroad Work, 132 Lb. Tie Plate ARA-A And ARAE	28.40	0.90
34 11 19 00-0022	EA	Railroad Work, 132 Lb. Tie Plate Relay ARA-A And ARAE	14.49	0.90

34 11 26 Ballasted Track Rail *(34 11)*

34 11 26 13 Track Rail Ballast *(34 11 26)*

34 11 26 13-0001	TON	Railroad Work, Ballast	89.64	

34 11 33 Track Cross Ties *(34 11)*

34 11 33 13 Concrete Track Cross Ties *(34 11 33)*

34 11 33 13-0001	EA	Railroad Work 8'-6" Concrete Cross Tie	101.93	17.53

34 11 33 16 Timber Track Cross Ties *(34 11 33)*

34 11 33 16-0001	EA	Railroad Work 8'-6" Wood Cross Tie	113.39	17.53
34 11 33 16-0002	BF	Railroad Work, Wood Switch Ties	6.87	0.68

34 11 36 Track Rail Fasteners *(34 11)*

34 11 36 13 Direct-Fixation Fasteners *(34 11 36)*

34 11 36 13-0001 Track Rail Fasteners *(34 11 36 13)*

34 11 36 13-0002	EA	Railroad Work, 5" Tie Plugs	1.55	0.68
34 11 36 13-0003	EA	Railroad Work 1" Track Bolts And Nuts	8.29	0.68
34 11 36 13-0004	EA	Railroad Work 1" Track Lock Washers	1.96	0.40
34 11 36 13-0005	EA	Railroad Work, 6" Track Spikes	7.26	2.03
34 11 36 13-0006	EA	Railroad Work, Rail Anchors	7.87	2.03
34 11 36 13-0007	EA	Railroad Work, Gauge Rods	69.47	4.97
34 11 36 13-0008	PR	Railroad Work, Compromise Splice Bar	804.74	8.12

34 11 93 Track Appurtenances and Accessories *(34 11)*

34 11 93 00-0001 Track Accessories *(34 11 93)*

34 11 93 00-0002	EA	Railroad Bumpers, Standard	5,448.22	573.28
34 11 93 00-0003	EA	Railroad Bumpers, Heavy-Duty	9,292.24	573.28
34 11 93 00-0004	PR	Railroad Car Wheel Stops	1,664.79	81.88
34 11 93 00-0005	EA	Hand Throw Derailer With Standard Timbers, Sliding	2,942.70	208.34

34 11 93 00-0006 Railroad Crossings *(34 11 93)*

34 11 93 00-0007 Asphalt Railroad Crossings *(34 11 93 00-0006)*

Note: Based on 8" thickness x 20' including track and approach.

34 11 93 00-0008	EA	8" Asphalt Railroad Crossing, 12' Roadway 6 CY	1,460.40	219.11
34 11 93 00-0009	EA	8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	1,721.86	248.32
34 11 93 00-0010	EA	8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	2,034.78	292.14
34 11 93 00-0011	EA	8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	2,414.49	350.58
34 11 93 00-0012	EA	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	2,911.03	438.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 93 00-0013		**Railroad Crossings - Precast Concrete Inserts** *(34 11 93 00-0006)* Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0014	EA	Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	4,502.49	83.60
34 11 93 00-0015	EA	Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	5,628.11	101.51
34 11 93 00-0016	EA	Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	6,750.78	125.40
34 11 93 00-0017	EA	Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	7,874.20	143.31
34 11 93 00-0018	EA	Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	8,997.15	167.19
34 11 93 00-0019		**Molded Rubber Railroad Crossings With Headers** *(34 11 93 00-0006)* Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0020	EA	Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	2,884.21	83.60
34 11 93 00-0021	EA	Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	3,407.93	101.51
34 11 93 00-0022	EA	Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	3,928.70	125.40
34 11 93 00-0023	EA	Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	4,450.22	143.31
34 11 93 00-0024	EA	Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	4,971.26	167.19
34 11 93 00-0025		**Rehabilitation Of Existing Crossings** *(34 11 93)* Note: Includes removal, reworking and reinstallation of crossing members, subgrade, ballast, ties and rails.		
34 11 93 00-0026	EA	Maintenance Of Existing Railroad Crossing Members, Subgrade, Ballast, Ties	12,329.36	
34 11 93 00-0027		**Railroad Trackage Demolition** *(34 11 93)*		
34 11 93 00-0028	CY	Removal Of Railroad Track Ballast		5.03
34 11 93 00-0029	LF	Removal Of Railroad Track Rail And Spikes		12.57
34 11 93 00-0030	EA	Removal And Disposal Of Concrete Post Footings		81.36
34 11 93 00-0031	EA	Backfill Holes From Post Removal		33.91

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001		**Traffic Signals** *(34 41 13)*		
34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	7,358.98	374.40
34 41 13 00-0003		**Traffic Detector Induction Loop** *(34 41 13)*		
34 41 13 00-0004	EA	6' x 6', Dipole, 3 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	254.25	
34 41 13 00-0005	EA	6' x 6', Diagonal Quadrupole, 3 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	316.49	
34 41 13 00-0006	EA	6' x 6', Diagonal Quadrupole, 5 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	356.52	
34 41 13 00-0007	EA	6' x 6', Quadrupole, Bicycle Type, 3 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	310.03	
34 41 13 00-0008	EA	6' x 20', 3 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	537.79	
34 41 13 00-0009	EA	6' x 28', 2 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	660.47	
34 41 13 00-0010	EA	6' x 28', 3 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	703.32	
34 41 13 00-0011	EA	6' x 40', 1 Turn Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	876.12	
34 41 13 00-0012	EA	6' x 40', 2 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	937.16	
34 41 13 00-0013	EA	6' x 50', 1 Turn Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,010.27	
34 41 13 00-0014	EA	6' x 50', 2 Turns Per Loop, Traffic Detection Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,084.72	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	4.98	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	2.41	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	251.85	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	796.74	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	477.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0020		**Overhead Traffic Signals** *(34 41 13)*		
34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section	402.28	79.56
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections	703.73	112.32
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,044.96	137.28
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	972.74	137.28
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,389.14	152.88
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections	1,720.83	162.24
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	1,860.46	162.24
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section	366.16	79.56
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections	631.51	112.32
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections	869.21	137.28
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	958.29	137.28
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,235.06	152.88
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,184.50	152.88
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,456.00	162.24
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,569.16	162.24
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,537.61	137.28
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,394.58	152.88
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,537.60	162.24
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	4,958.92	162.24
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly	428.14	62.40
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly	716.66	124.80
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly	242.86	46.80
34 41 13 00-0043	EA	Pedestrian Signal Head	837.22	93.60
34 41 13 00-0044	EA	Pedestrian Signal Insert	548.62	46.80
34 41 13 00-0045	EA	Audible Pedestrian Signal	1,134.68	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted	509.72	
34 41 13 00-0047	EA	Pedestrian Push Button	405.32	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,059.15	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,200.87	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted	4,522.58	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	4,783.11	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted	5,226.95	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted	5,492.71	
34 41 13 00-0054	EA	16' Pedestal With Base Plate And Cover	1,705.80	67.33
34 41 13 00-0055	EA	15' Steel Straight Mast Arm, MONOTUBE	2,718.38	
34 41 13 00-0056	EA	20' Steel Straight Mast Arm, MONOTUBE	2,843.31	
34 41 13 00-0057	EA	25' Steel Straight Mast Arm, MONOTUBE	3,079.51	
34 41 13 00-0058	EA	30' Steel Straight Mast Arm, MONOTUBE	4,403.35	
34 41 13 00-0059	EA	35' Steel Straight Mast Arm, MONOTUBE	5,410.80	
34 41 13 00-0060	EA	40' Steel Straight Mast Arm, MONOTUBE	5,841.77	
34 41 13 00-0061	EA	45' Steel Straight Mast Arm, MONOTUBE	6,379.04	
34 41 13 00-0062	EA	50' Steel Straight Mast Arm, MONOTUBE	7,249.76	
34 41 13 00-0063	EA	55' Steel Straight Mast Arm, MONOTUBE	8,164.57	
34 41 13 00-0064	EA	60' Steel Straight Mast Arm, MONOTUBE	8,661.19	
34 41 13 00-0065	EA	65' Steel Straight Mast Arm, MONOTUBE	10,085.64	
34 41 13 00-0066	EA	4' Steel Curved Luminaire Mast Arm	889.53	
		For High Rise Arm, Add	*102.07*	
34 41 13 00-0067	EA	6' Steel Curved Luminaire Mast Arm	1,171.83	
		For High Rise Arm, Add	*136.46*	
34 41 13 00-0068	EA	8' Steel Curved Luminaire Mast Arm	1,466.61	
		For High Rise Arm, Add	*170.85*	
34 41 13 00-0069	EA	10' Steel Curved Luminaire Mast Arm	1,874.13	
		For High Rise Arm, Add	*200.87*	
34 41 13 00-0070	EA	12' Steel Curved Luminaire Mast Arm	2,131.57	
		For High Rise Arm, Add	*236.90*	
34 41 13 00-0071	EA	15' Steel Curved Luminaire Mast Arm	2,296.26	
		For High Rise Arm, Add	*264.19*	
34 41 13 00-0072	EA	18' Steel Curved Luminaire Mast Arm	2,484.55	
		For High Rise Arm, Add	*289.85*	
34 41 13 00-0073	EA	15' Tubular Aluminum Post	907.84	
34 41 13 00-0074	EA	17' Tubular Aluminum Post	951.18	
34 41 13 00-0075	EA	20' Tubular Aluminum Post	1,041.96	
34 41 13 00-0076	EA	20' Steel Curved Luminaire Mast Arm	2,672.27	
		For High Rise Arm, Add	*315.50*	
34 41 13 00-0077	EA	CUT-OFF POLE AND CAPPED	93.66	
34 41 13 00-0078	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,011.23	88.32
34 41 13 00-0079	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,131.60	88.32
34 41 13 00-0080	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,526.43	88.32
34 41 13 00-0081	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,011.23	88.32
34 41 13 00-0082	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,131.60	88.32
34 41 13 00-0083	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,526.43	88.32
34 41 13 00-0084	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,011.23	88.32
34 41 13 00-0085	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,131.60	88.32
34 41 13 00-0086	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,526.43	88.32
34 41 13 00-0087	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,011.23	88.32
34 41 13 00-0088	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,131.60	88.32
34 41 13 00-0089	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,526.43	88.32
34 41 13 00-0090	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,011.23	88.32
34 41 13 00-0091	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,131.60	88.32
34 41 13 00-0092	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,526.43	88.32
34 41 13 00-0093	EA	Time Switch, 1-Circuit	276.38	13.25
34 41 13 00-0094	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	391.42	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0095	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	519.02	5.52
34 41 13 00-0096	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	747.74	5.52
34 41 13 00-0097	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	945.15	5.52
34 41 13 00-0098	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	2,606.32	5.52
34 41 13 00-0099	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,606.32	5.52
34 41 13 00-0100	EA	Power Line Surge Protector	229.05	3.31
34 41 13 00-0101	EA	Loop Detector Surge Protector	109.78	3.31
34 41 13 00-0102	EA	1 Channel Loop Detector Amplifier	1,807.83	
34 41 13 00-0103	EA	4 Channel Loop Detector Amplifier	3,545.56	
34 41 13 00-0104	LF	Loop Detector Note: Includes saw cutting, sealing and splicing into leads in street.	4.75	
34 41 13 00-0105	LF	Detector Loop Cable (Lead Wire)	4.63	
34 41 13 00-0106	LF	Detector Loop Cable, Loop Type B	4.45	
34 41 13 00-0107	EA	FLASHING BEACON WITH DOWNLIGHT	2,119.21	
34 41 13 00-0108	EA	Flashing Beacon, Bracket Mounted	526.43	
34 41 13 00-0109	EA	Flashing Beacon, Mast Arm Mounted	526.43	
34 41 13 00-0110	EA	7-WIRE MASTER INTERCONNECT	1,542.00	
34 41 13 00-0111	EA	7-WIRE SLAVE INTERCONNECT	1,469.22	
34 41 13 00-0112	EA	Service Equipment Enclosure, Type III-AF	1,383.91	
34 41 13 00-0113	EA	12", 3 Section Signal, Mast Arm Mounted	995.15	
34 41 13 00-0114	EA	8", 3 Section Signal, Mast Arm Mounted	880.97	
34 41 13 00-0115	EA	12" FCV Visor	89.88	
34 41 13 00-0116	EA	8" FCV Visor	57.77	
34 41 13 00-0117	EA	Eggcrate Visor	85.90	
34 41 13 00-0118	EA	Pedestrian H/M	818.06	
34 41 13 00-0119	EA	Pedestrian Audio	936.34	
34 41 13 00-0120	EA	Adjustable Pushbutton	167.45	
34 41 13 00-0121	EA	ADA Cap And Switch	255.82	
34 41 13 00-0122	EA	3 Section 12" Backplate	137.77	
34 41 13 00-0123	EA	3 Section 12" MAS Mount Backplate	201.89	
34 41 13 00-0124	EA	3 Section 8" Backplate	107.14	
34 41 13 00-0125	EA	12" Red LED Lenses	242.26	
34 41 13 00-0126	EA	12" Amber LED Lenses	264.35	
34 41 13 00-0127	EA	12" Green LED Lenses	506.73	
34 41 13 00-0128	EA	12" Red Arrow	240.48	
34 41 13 00-0129	EA	12" Amber Arrow	224.30	
34 41 13 00-0130	EA	12" Green Arrow	366.07	
34 41 13 00-0131	EA	8" Red	237.21	
34 41 13 00-0132	EA	8" Amber	225.25	
34 41 13 00-0133	EA	8" Green	284.22	
34 41 13 00-0134	EA	Hand/Man	440.04	
34 41 13 00-0135	EA	Frameworks, 8" TV-1-T	533.88	
34 41 13 00-0136	EA	Frameworks, 8" TV-2-T	619.71	
34 41 13 00-0137	EA	Frameworks, MAT MT	148.90	
34 41 13 00-0138	EA	Frameworks, MAS MT	166.06	
34 41 13 00-0139	EA	Frameworks, 3W PT TC	358.10	
34 41 13 00-0140	EA	Frameworks, 2W PT TC	333.40	
34 41 13 00-0141	EA	Frameworks, 2W SM TC	310.51	
34 41 13 00-0142	EA	Frameworks, SV-1	199.03	
34 41 13 00-0143	EA	Frameworks, TV-1	190.45	
34 41 13 00-0144	EA	Type III Service Pedestal	4,588.22	
34 41 13 00-0145	EA	Single Fuse Holder	31.36	
34 41 13 00-0146	EA	Double Fuse Holder	103.42	
34 41 13 00-0147	EA	Pullbox, 1-1/2" x 20" x 14"	68.64	
34 41 13 00-0148	EA	Pullbox, 5" x 28" x 18"	99.37	
34 41 13 00-0149	EA	Pullbox, 6" x 36" x 23"	131.96	
34 41 13 00-0150	EA	Pullbox Lids, FL9D	102.63	
34 41 13 00-0151	EA	Pullbox Lids, FL30D	201.60	
34 41 13 00-0152	EA	Pullbox Lids, FL36D	41.25	
34 41 13 00-0153	EA	Flashing Beacon, Solar Powered, Bracket Mounted	21,573.29	
34 41 13 00-0154	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,310.65	
34 41 13 00-0155	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,278.48	
34 41 13 00-0156	EA	Smart Sensor HD (Wavetronix HD125)	12,467.41	
34 41 13 00-0157	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,722.65	
34 41 13 00-0158	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	9,950.45	
34 41 13 00-0159	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	312.70	
34 41 13 00-0160	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,618.51	
34 41 13 00-0161	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	1,110.25	
34 41 13 00-0162	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,734.92	
34 41 13 00-0163	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	6,664.47	0.65
34 41 13 00-0164	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 And 26-4-80 Poles	8,795.06	0.65
34 41 13 00-0165	EA	Pole Base Foundation for Type 15 and 21 Poles	5,156.00	0.65
34 41 13 00-0166	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	6,664.47	0.65
34 41 13 00-0167	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	8,795.06	0.65
34 41 13 00-0168	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,858.12	40.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0169	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	5,080.38	241.93
34 41 13 00-0170	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	20,698.04	161.29
34 41 13 00-0171	EA	Power Control Unit With Enclosure (A/C)	13,037.37	161.29
34 41 13 00-0172	EA	Push Button Assembly With Sign	876.50	80.64
34 41 13 00-0173	EA	Advanced Warning Signs	2,052.62	80.64
34 41 13 00-0174	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	6,704.31	
34 41 13 00-0175	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm	8,222.69	
34 41 13 00-0176	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	5,874.87	
34 41 13 00-0177	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	4,620.33	
34 41 13 00-0178	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	24,627.50	
34 41 13 00-0179	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	28,081.74	

34 41 13 00-0180 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0181	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.29	0.43
34 41 13 00-0182	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.55	0.46
34 41 13 00-0183	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.78	0.49
34 41 13 00-0184	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.01	0.52
34 41 13 00-0185	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.30	0.55
34 41 13 00-0186	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	2.80	0.61
34 41 13 00-0187	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.35	0.71
34 41 13 00-0188	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	3.91	0.80
34 41 13 00-0189	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	4.86	0.89
34 41 13 00-0190	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	6.08	0.98
34 41 13 00-0191	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.40	0.43
34 41 13 00-0192	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	1.70	0.46
34 41 13 00-0193	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	1.98	0.49
34 41 13 00-0194	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.25	0.52
34 41 13 00-0195	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	2.60	0.55
34 41 13 00-0196	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	3.19	0.61
34 41 13 00-0197	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	3.83	0.71
34 41 13 00-0198	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	4.49	0.80
34 41 13 00-0199	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	5.63	0.89
34 41 13 00-0200	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	7.10	0.98
34 41 13 00-0201	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	1.66	0.43
34 41 13 00-0202	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.08	0.46
34 41 13 00-0203	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.46	0.49
34 41 13 00-0204	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.82	0.52
34 41 13 00-0205	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.32	0.55
34 41 13 00-0206	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.13	0.61
34 41 13 00-0207	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.99	0.71
34 41 13 00-0208	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.87	0.80
34 41 13 00-0209	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.48	0.89
34 41 13 00-0210	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.57	0.98

34 41 13 00-0211 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0212	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,128.31	89.20
34 41 13 00-0213	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,174.04	89.20
34 41 13 00-0214	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,950.55	89.20
34 41 13 00-0215	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,096.91	89.20
34 41 13 00-0216	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,278.27	89.20
34 41 13 00-0217	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,851.85	89.20

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/BASE MTD	13,817.03	276.43
34 41 16 00-0003	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	25,332.90	475.80
34 41 16 00-0004	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	26,891.46	527.28
34 41 16 00-0005	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	39,031.20	592.80
34 41 16 00-0006	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	30,599.10	561.60
34 41 16 00-0007	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	732.29	65.95
34 41 16 00-0008	EA	CONCRETE BLOCK PEDESTAL	502.10	99.03
34 41 16 00-0009	WK	MAINTAIN EXIST TS INSTALLATION	122.58	61.29
34 41 16 00-0010	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,112.35	5.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0011	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	622.06	5.78

34 41 23 Roadway Monitoring Equipment *(34 41)*

34 41 23 00-0001 Radar Speed Display Signs *(34 41 23)*

34 41 23 00-0002	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 250) Note: 12" Full Matrix (rounded) Characters for quick recognition.	6,154.65	
34 41 23 00-0003	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 350) Note: 18" Full Matrix (rounded) Characters for quick recognition.	7,237.19	
34 41 23 00-0004	EA	Dolly Mounted Radar Speed Sign (RU2 Systems, Inc. Model 500) Note: 12" Amber AlInGaP LED display characters.	10,282.67	
34 41 23 00-0005	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 600) Note: 12" full graphic characters	12,918.40	
34 41 23 00-0006	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 750) Note: 18" Amber AlInGaP LED display characters	16,221.37	
34 41 23 00-0007	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 800) Note: 18" Amber AlInGaP LED full graphic display characters, on top. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	16,977.21	
34 41 23 00-0008	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 950) Note: 18" Amber AlInGaP LED full graphic display characters. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	20,562.58	
34 41 23 00-0009	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 1000) Note: Up to 30" Amber AlInGaP LED digits.	23,538.85	

34 43 Airfield Signaling and Control Equipment *(34 40)*

34 43 13 Airfield Signals and Lighting *(34 43)*

34 43 13 09 Airport Rotating Beacons *(34 43 13)*

34 43 13 09-0001	EA	Rotating Beacon, 3 - 500 Watt Quartz Lamps	6,073.45	806.43

34 43 13 12 Airport Obstruction Lights *(34 43 13)*

34 43 13 12-0001 Hazard Beacon Flashing Red, Two Lamps-620 Watts *(34 43 13 12)*

34 43 13 12-0002	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable	3,941.18	80.64
34 43 13 12-0003	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable	4,428.90	80.64
34 43 13 12-0004	EA	Beacon Failure Alarm Relay Assembly	758.76	80.64

34 43 13 12-0005 Obstruction Marker Lights *(34 43 13 12)*

34 43 13 12-0006	EA	Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810	283.79	50.40
34 43 13 12-0007	EA	Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810	528.48	60.48
34 43 13 12-0008	EA	Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B	449.61	50.40
34 43 13 12-0009	EA	Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B	804.05	60.48
34 43 13 12-0010	EA	Transfer Relay Assembly	1,200.15	80.64

34 43 13 12-0011 Solid State Flashers With Cast Aluminum Housing *(34 43 13 12)*

34 43 13 12-0012	EA	Solid State Flashers, 1 Circuit, With Cast Aluminum Housing	14,793.11	80.64
34 43 13 12-0013	EA	Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing	29,465.14	100.80
34 43 13 12-0014	EA	Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing	44,137.50	120.97
34 43 13 12-0015	EA	Sequential Flasher	9,193.03	436.96

34 43 13 13 Airfield Runway Identification Lights *(34 43 13)*

34 43 13 13-0001 Taxi Guidance Sign Internally Illuminated, 18" Letters *(34 43 13 13)*

34 43 13 13-0002	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter	2,731.61	80.64
		For LED, Add	*514.06*	
34 43 13 13-0003	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter	4,547.15	100.80
		For LED, Add	*869.13*	
34 43 13 13-0004	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter	6,289.86	120.97
		For LED, Add	*1,209.56*	
34 43 13 13-0005	EA	Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter	7,770.17	120.97
		For LED, Add	*1,489.52*	
34 43 13 13-0006	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter	3,056.23	120.97
		For LED, Add	*562.84*	
34 43 13 13-0007	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter	5,115.38	141.13
		For LED, Add	*966.68*	
34 43 13 13-0008	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter	7,101.98	161.29
		For LED, Add	*1,355.88*	
34 43 13 13-0009	EA	Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter	8,826.01	201.61
		For LED, Add	*1,684.61*	

34 43 13 13-0010 Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters *(34 43 13 13)*

34 43 13 13-0011	EA	Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,297.54	80.64
		For LED, Add	*427.25*	
34 43 13 13-0012	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	3,711.95	80.64
		For LED, Add	*710.13*	
34 43 13 13-0013	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	5,276.30	100.80
		For LED, Add	*1,014.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 13-0014	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	6,665.41	120.97
		For LED, Add	*1,284.67*	
34 43 13 13-0015	EA	Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,532.84	100.80
		For LED, Add	*466.27*	
34 43 13 13-0016	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	4,142.34	100.80
		For LED, Add	*788.17*	
34 43 13 13-0017	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	5,902.12	120.97
		For LED, Add	*1,132.02*	
34 43 13 13-0018	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	9,485.41	141.13
		For LED, Add	*1,840.68*	
34 43 13 13-0019		Taxi Guidance Sign Unlighted, 18" Letters *(34 43 13 13)*		
34 43 13 13-0020	EA	Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters	1,939.62	50.40
		For LED, Add	*367.75*	
34 43 13 13-0021	EA	Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters	3,714.95	50.40
		For LED, Add	*722.81*	
34 43 13 13-0022	EA	Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters	5,437.46	60.48
		For LED, Add	*1,063.25*	
34 43 13 13-0023	EA	Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters	6,837.24	60.48
		For LED, Add	*1,343.20*	
34 43 13 13-0024	EA	Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters	2,203.83	60.48
		For LED, Add	*416.52*	
34 43 13 13-0025	EA	Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters	4,223.02	60.48
		For LED, Add	*820.36*	
34 43 13 13-0026	EA	Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters	6,067.67	80.64
		For LED, Add	*1,181.28*	
34 43 13 13-0027	EA	Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters	6,114.00	80.64
		For LED, Add	*1,190.54*	
34 43 13 13-0028		Distance Marker Sign, Internally Illuminated *(34 43 13 13)*		
34 43 13 13-0029	EA	Distance Marker Sign, 48" x 48"	3,794.86	80.64
34 43 13 13-0030		Taxiway Marker Tubular Reflectors Post *(34 43 13 13)*		
		Note: With reflective strips on contract background.		
34 43 13 13-0031	EA	Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background	98.94	20.16
34 43 13 13-0032	EA	Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background	108.69	20.16
34 43 13 13-0033	EA	Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background	123.32	20.16
34 43 13 13-0034	EA	Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background	133.08	20.16
34 43 13 16		**Airfield Runway and Taxiway Inset Lighting** *(34 43 13)*		
34 43 13 16-0001		Runway And Taxiway Lights *(34 43 13 16)*		
34 43 13 16-0002		Runway In-Pavement Lights *(34 43 13 16-0001)*		
34 43 13 16-0003		Runway Centerline, Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)*		
		Note: L-850A.		
34 43 13 16-0004	EA	Uni-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,357.26	60.48
34 43 13 16-0005	EA	Uni-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	716.42	40.32
34 43 13 16-0006	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	760.19	40.32
34 43 13 16-0007	EA	Uni-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,324.65	60.48
34 43 13 16-0008	EA	Uni-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	707.23	40.32
34 43 13 16-0009	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	735.71	40.32
34 43 13 16-0010	EA	Bi-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,419.07	60.48
34 43 13 16-0011	EA	Bi-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	748.21	40.32
34 43 13 16-0012	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	794.17	40.32
34 43 13 16-0013	EA	Bi-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,384.84	60.48
34 43 13 16-0014	EA	Bi-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	738.56	40.32
34 43 13 16-0015	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	768.46	40.32
34 43 13 16-0016		Runway Touchdown Zone, Medium Intensity Approach Lighting System *(34 43 13 16-0002)*		
		Note: L-850B.		
34 43 13 16-0017	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Film Disc Cutout	1,210.82	60.48
34 43 13 16-0018	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Film Disc Cutout	589.27	40.32
34 43 13 16-0019	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Without Film Disc Cutout	1,181.55	60.48
34 43 13 16-0020	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Without Film Disc Cutout	560.02	40.32
34 43 13 16-0021		Runway Edge, Displaced Threshold *(34 43 13 16-0002)*		
		Note: L-850C.		
34 43 13 16-0022	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Film Disc Cutout	1,157.49	40.32
34 43 13 16-0023	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Film Disc Cutout	1,164.85	40.32
34 43 13 16-0024	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Without Film Disc Cutout	1,138.28	40.32
34 43 13 16-0025	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Without Film Disc Cutout	1,145.12	40.32
34 43 13 16-0026		Runway Threshold/End *(34 43 13 16-0002)*		
		Note: L-850D.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0027	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,287.97	40.32
34 43 13 16-0028	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,310.22	40.32
34 43 13 16-0029	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,258.72	40.32
34 43 13 16-0030	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,263.44	40.32
34 43 13 16-0031	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,647.48	40.32
34 43 13 16-0032	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,676.35	40.32
34 43 13 16-0033	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,582.94	40.32
34 43 13 16-0034	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,588.95	40.32
34 43 13 16-0035	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,348.33	40.32
34 43 13 16-0036	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,371.70	40.32
34 43 13 16-0037	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,317.63	40.32
34 43 13 16-0038	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,322.58	40.32
34 43 13 16-0039	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,725.82	40.32
34 43 13 16-0040	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,756.14	40.32
34 43 13 16-0041	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,658.06	40.32
34 43 13 16-0042	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,664.37	40.32
34 43 13 16-0043		Runway Threshold, Medium Intensity Approach Lighting System *(34 43 13 16-0002)*		
		Note: L-850E.		
34 43 13 16-0044	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Film Disc Cutout	1,409.99	40.32
34 43 13 16-0045	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Without Film Disc Cutout	1,351.46	40.32
34 43 13 16-0046		Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)*		
		Note: L-850F.		
34 43 13 16-0047	EA	Uni-Directional Runway LAHSO With Shallow Base And Film Disc Cutout	1,669.90	60.48
34 43 13 16-0048	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Film Disc Cutout	803.52	40.32
34 43 13 16-0049	EA	Uni-Directional Runway LAHSO With Shallow Base And Without Film Disc Cutout	1,628.31	60.48
34 43 13 16-0050	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Without Film Disc Cutout	761.96	40.32
34 43 13 16-0051		Runway Guard *(34 43 13 16-0002)*		
		Note: L-852G.		
34 43 13 16-0052	EA	Uni-Directional 105 Watt Runway Guard Light With Shallow Base	1,161.64	60.48
34 43 13 16-0053	EA	Uni-Directional 105 Watt Runway Guard Light With Two (2) Cord Sets	915.50	60.48
34 43 13 16-0054		Stop Bar *(34 43 13 16-0002)*		
		Note: L-852S.		
34 43 13 16-0055	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Film Disc Cutout	1,152.52	60.48
34 43 13 16-0056	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Film Disc Cutout	741.34	60.48
34 43 13 16-0057	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Without Film Disc Cutout	1,149.78	60.48
34 43 13 16-0058	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Without Film Disc Cutout	712.08	60.48
34 43 13 16-0059		Taxiway In-Pavement Lights *(34 43 13 16-0001)*		
34 43 13 16-0060		Taxiway Centerline, Straight Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range) *(34 43 13 16-0059)*		
		Note: L-852A or L-852C.		
34 43 13 16-0061	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,357.26	60.48
34 43 13 16-0062	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	845.13	40.32
34 43 13 16-0063	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	892.90	40.32
34 43 13 16-0064	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,336.05	60.48
34 43 13 16-0065	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	790.06	40.32
34 43 13 16-0066	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	834.39	40.32
34 43 13 16-0067	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,413.96	60.48
34 43 13 16-0068	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	880.20	40.32
34 43 13 16-0069	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	926.97	40.32
34 43 13 16-0070	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,391.77	60.48
34 43 13 16-0071	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	822.60	40.32
34 43 13 16-0072	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	866.00	40.32
34 43 13 16-0073		Taxiway Centerline, Curved Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range) *(34 43 13 16-0059)*		
		Note: L-852B or L-852D or L-852J or L-852K.		
34 43 13 16-0074	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,392.98	60.48
34 43 13 16-0075	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	842.74	40.32
34 43 13 16-0076	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	898.21	40.32
34 43 13 16-0077	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,292.37	60.48
34 43 13 16-0078	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	782.47	40.32
34 43 13 16-0079	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	836.13	40.32
34 43 13 16-0080	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,449.02	60.48
34 43 13 16-0081	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	876.33	40.32
34 43 13 16-0082	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	934.23	40.32
34 43 13 16-0083	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,341.39	60.48
34 43 13 16-0084	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	814.96	40.32
34 43 13 16-0085	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	867.74	40.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0086		**Taxiway Intersections; Clearance Bar (>= 1,200 Runway Visual Range)** *(34 43 13 16-0059)* Note: L-852E.		
34 43 13 16-0087	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,152.52	60.48
34 43 13 16-0088	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,402.12	60.48
34 43 13 16-0089	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,209.73	60.48
34 43 13 16-0090	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,370.93	60.48
34 43 13 16-0091	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	664.65	40.32
34 43 13 16-0092	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	800.29	60.48
34 43 13 16-0093	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	698.27	60.48
34 43 13 16-0094	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Film Disc Cutout	750.19	60.48
34 43 13 16-0095	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,128.24	60.48
34 43 13 16-0096	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,371.97	60.48
34 43 13 16-0097	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,184.11	60.48
34 43 13 16-0098	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,341.53	60.48
34 43 13 16-0099	EA	Omni-Directional 45Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	645.31	40.32
34 43 13 16-0100	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	782.86	60.48
34 43 13 16-0101	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	683.46	60.48
34 43 13 16-0102	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	766.76	60.48
34 43 13 16-0103		**Taxiway Intersections; Clearance Bar (<1,200 Runway Visual Range)** *(34 43 13 16-0059)* Note: L-852F.		
34 43 13 16-0104	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,381.72	60.48
34 43 13 16-0105	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	804.65	60.48
34 43 13 16-0106	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,342.04	60.48
34 43 13 16-0107	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	783.14	60.48
34 43 13 16-0108		**Taxiway Edge, Apron Edge** *(34 43 13 16-0059)* Note: L-852T.		
34 43 13 16-0109	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Film Disc Cutout	1,317.34	60.48
34 43 13 16-0110	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Without Film Disc Cutout	1,131.49	60.48
34 43 13 16-0111		**Elevated Lights** *(34 43 13 16-0001)*		
34 43 13 16-0112		**Elevated Runway Guard** *(34 43 13 16-0111)* Note: L-804		
34 43 13 16-0113	EA	Elevated Runway Guard	1,871.07	40.32
34 43 13 16-0114		**Elevated Runway Edge** *(34 43 13 16-0111)* Note: L-860		
34 43 13 16-0115	EA	14" Omni-Directional Elevated Runway Edge Light	462.37	50.40
34 43 13 16-0116	EA	24" Omni-Directional Elevated Runway Edge Light	472.73	50.40
34 43 13 16-0117	EA	30" Omni-Directional Elevated Runway Edge Light	552.91	50.40
34 43 13 16-0118		**Elevated Runway Threshold/End** *(34 43 13 16-0111)* Note: L-860E		
34 43 13 16-0119	EA	14" Uni-Directional Elevated Runway Threshold/End Light	432.24	50.40
34 43 13 16-0120	EA	24" Uni-Directional Elevated Runway Threshold/End Light	441.74	50.40
34 43 13 16-0121	EA	30" Uni-Directional Elevated Runway Threshold/End Light	515.23	50.40
34 43 13 16-0122	EA	14" Bi-Directional Elevated Runway Threshold/End Light	448.81	50.40
34 43 13 16-0123	EA	24" Bi-Directional Elevated Runway Threshold/End Light	458.78	50.40
34 43 13 16-0124	EA	30" Bi-Directional Elevated Runway Threshold/End Light	535.96	50.40
34 43 13 16-0125		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Non-Precision IFR Runways** *(34 43 13 16-0111)* Note: L-861, L-861E, L-861SE or L-861T		
34 43 13 16-0126	EA	14" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	402.11	50.40
34 43 13 16-0127	EA	20" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	407.47	50.40
34 43 13 16-0128	EA	24" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	410.74	50.40
34 43 13 16-0129	EA	30" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	477.56	50.40
34 43 13 16-0130	EA	14" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	405.40	50.40
34 43 13 16-0131	EA	20" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	410.84	50.40
34 43 13 16-0132	EA	24" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	414.13	50.40
34 43 13 16-0133	EA	30" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	481.69	50.40
34 43 13 16-0134	EA	14" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	420.64	50.40
34 43 13 16-0135	EA	20" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	426.34	50.40
34 43 13 16-0136	EA	24" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	429.80	50.40
34 43 13 16-0137	EA	30" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	500.73	50.40
34 43 13 16-0138		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Precision IFR Runways** *(34 43 13 16-0111)* Note: L-862 Or L-862E		
34 43 13 16-0139	EA	14" Uni-Directional Elevated Runway Light, Precision IFR Runways	363.12	50.40
34 43 13 16-0140	EA	24" Uni-Directional Elevated Runway Light, Precision IFR Runways	368.60	50.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0141	EA	30" Uni-Directional Elevated Runway Light, Precision IFR Runways	377.07	50.40
34 43 13 16-0142	EA	14" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	476.47	50.40
34 43 13 16-0143	EA	24" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	484.31	50.40
34 43 13 16-0144	EA	30" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	502.88	50.40
34 43 13 16-0145	EA	14" Bi-Directional Elevated Runway Light, Precision IFR Runways	376.24	50.40
34 43 13 16-0146	EA	24" Bi-Directional Elevated Runway Light, Precision IFR Runways	381.99	50.40
34 43 13 16-0147	EA	30" Bi-Directional Elevated Runway Light, Precision IFR Runways	390.88	50.40
34 43 13 16-0148	EA	14" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	495.25	50.40
34 43 13 16-0149	EA	24" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	503.49	50.40
34 43 13 16-0150	EA	30" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	522.98	50.40
34 43 13 16-0151		Elevated Stop Bar *(34 43 13 16-0111)*		
		Note: L-862S		
34 43 13 16-0152	EA	14" Uni-Directional Elevated Stop Bar	367.88	50.40
34 43 13 16-0153	EA	24" Uni-Directional Elevated Stop Bar	374.07	50.40
34 43 13 16-0154	EA	30" Uni-Directional Elevated Stop Bar	377.07	50.40
34 43 13 16-0155		Airfield Optional Accessories *(34 43 13 16-0001)*		
34 43 13 16-0156	EA	30/45 Watt Transformer, Airfield Optional Accessories	230.62	20.16
34 43 13 16-0157	EA	65 Watt Transformer, Airfield Optional Accessories	267.20	20.16
34 43 13 16-0158	EA	100 Watt Transformer, Airfield Optional Accessories	303.78	20.16
34 43 13 16-0159	EA	200 Watt Transformer, Airfield Optional Accessories	316.88	20.16
34 43 13 16-0160	EA	300 Watt Transformer, Airfield Optional Accessories	367.15	30.24
34 43 13 16-0161	EA	500 Watt Transformer, Airfield Optional Accessories	419.09	30.24
34 43 13 16-0162	EA	10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	351.51	40.32
34 43 13 16-0163	EA	12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	434.42	40.32
34 43 13 16-0164	EA	15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	544.16	40.32
34 43 13 16-0165	EA	12" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories	522.82	40.32
		Note: L-867.		
34 43 13 16-0166	EA	16" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories	660.00	40.32
		Note: L-867.		
34 43 13 16-0167	EA	Connection Kit For Conduit Cable, Airfield Optional Accessories	87.43	30.24
34 43 13 16-0168	MLF	#8 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories	846.48	
		Note: L-824.		
34 43 13 16-0169	MLF	#6 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories	1,181.10	
		Note: L-824.		
34 43 13 16-0170	MLF	#4 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories	1,673.27	
		Note: L-824.		
34 43 13 16-0171	EA	Frangible Coupling (Complete), Airfield Optional Accessories	153.83	2.37
34 43 13 16-0172	EA	Precast Concrete Base, Airfield Optional Accessories	485.83	32.66
34 43 13 23		**Airfield Short-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 23-0001		Land And Hold Short (LAHSO) Light System *(34 43 13 23)*		
34 43 13 23-0002	EA	Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional In Pavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel	20,593.36	
34 43 13 26		**Airfield Omni-Directional-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 26-0001		Elevated Approach *(34 43 13 26)*		
34 43 13 26-0002	EA	Approach And Navigational Light 200 Watt - Heavy-Duty Assembly Only Elevated Approach	390.53	40.32
		For LED, Add	*123.88*	
34 43 13 26-0003	EA	Approach And Navigational Light 300 Watt - Heavy-Duty Assembly Only Elevated Approach	390.53	40.32
		For LED, Add	*123.88*	
34 43 13 26-0004	EA	Approach And Navigational Light 500 Watt - Heavy-Duty Assembly Only Elevated Approach	390.53	40.32
		For LED, Add	*123.88*	
34 43 13 26-0005	EA	Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach	418.17	44.35
		For LED, Add	*131.69*	
34 43 13 26-0006	EA	Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach	418.17	44.35
		For LED, Add	*131.69*	
34 43 13 26-0007	EA	Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach	418.17	44.35
		For LED, Add	*131.69*	
34 43 13 29		**Airfield Low-Intensity-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 29-0001		Rotating Beacon *(34 43 13 29)*		
34 43 13 29-0002	EA	Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green	28,752.15	963.68
34 43 13 29-0003	EA	Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz	68,836.64	806.43
34 43 13 29-0004	EA	Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz	74,709.67	887.07
34 43 13 29-0005	EA	Beacon Tower, Tubular Type, 51'	24,415.05	624.00
34 43 13 29-0006	EA	Weatherproof Panelboard, 4 - 15 Amperes Breakers	3,631.74	120.97
34 43 13 29-0007		Runway Approach Lights, Semi-Flush Unidirectional *(34 43 13 29)*		
34 43 13 29-0008	EA	Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base	2,040.44	60.48
34 43 13 29-0009	EA	Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base	2,064.82	60.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 29-0010	EA	Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing	705.11	40.32
34 43 13 29-0011	EA	Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing	749.01	40.32

34 43 13 33 Airfield High-Intensity-Approach Lighting Equipment *(34 43 13)*

34 43 13 33-0001 High Intensity Approach/ Threshold Light, Semi-Flush *(34 43 13 33)*

Note: Unidirectional.

34 43 13 33-0002	EA	High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional	3,064.66	60.48
		For LED, Add	*588.69*	
34 43 13 33-0003	EA	High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional	3,352.42	60.48
		For LED, Add	*646.24*	
34 43 13 33-0004	EA	High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional	3,007.36	60.48
		For LED, Add	*577.23*	
34 43 13 33-0005	EA	High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional	3,547.51	60.48
		For LED, Add	*685.26*	

34 43 13 36 Airfield Precision-Approach Path Indicator Equipment *(34 43 13)*

34 43 13 36-0001 Precision Approach Path Indicator *(34 43 13 36)*

34 43 13 36-0002	EA	Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit	21,251.51	322.57
34 43 13 36-0003	EA	Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator	2,380.45	80.64
34 43 13 36-0004	EA	Approach And Navigational Light Clinometer Precision Approach Path Indicator	1,951.25	80.64
34 43 13 36-0005	EA	Approach And Navigational Light Optical Bench Precision Approach Path Indicator	4,631.59	120.97
34 43 13 36-0006	EA	Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator	3,197.39	80.64
34 43 13 36-0007	EA	Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator	805.09	80.64

34 43 23 Weather Observation Equipment *(34 43)*

34 43 23 16 Airfield Wind Cones *(34 43 23)*

34 43 23 16-0001 Wind Cone, Up To 8 Foot Long, Illuminated With 8' Hinged Pole *(34 43 23 16)*

Note: L-806

34 43 23 16-0002	EA	Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light	17,219.38	403.22
34 43 23 16-0003	EA	Wind Cone, 8' Lighted Assembly Frangible	18,755.40	362.90
34 43 23 16-0004	EA	Wind Cone, 8' Lighted Assembly Rigid	14,449.20	362.90
34 43 23 16-0005	EA	Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light	15,621.56	362.90
34 43 23 16-0006	EA	Wind Cone, 8' Unlighted Assembly Frangible	19,115.92	322.57
34 43 23 16-0007	EA	Wind Cone, 8' Unlighted Assembly Rigid	14,368.56	322.57
34 43 23 16-0008	EA	8' x 1-1/2' Wind Cone Nylon Sock With Frame	570.15	155.94
34 43 23 16-0009	EA	Removal And Replacement Of 8' x 1-1/2' Wind Cone Nylon Sock	219.83	

34 43 23 16-0010 Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole *(34 43 23 16)*

Note: L-807

34 43 23 16-0011	EA	Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light	22,851.65	483.85
34 43 23 16-0012	EA	Wind Cone, 12' Lighted Assembly Rigid	19,184.98	443.53
34 43 23 16-0013	EA	Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light	20,667.49	403.22
34 43 23 16-0014	EA	Wind Cone, 12' Unlighted Assembly Rigid	19,023.69	362.90
34 43 23 16-0015	EA	Wind Cone Slip Fitter, 2.5" Pipe	303.24	30.24
34 43 23 16-0016	EA	12' x 3' Wind Cone Cotton Sock With Frame	1,232.53	155.94
34 43 23 16-0017	EA	12' x 3' Wind Cone Nylon Sock With Frame	1,138.84	155.94
34 43 23 16-0018	EA	Booster Transformer, 1 KW Weatherproof Cabinet	1,279.32	60.48

34 43 26 Airfield Control Equipment *(34 43)*

34 43 26 13 Airfield Lighting Control Equipment *(34 43 26)*

34 43 26 13-0001 Power Cable Assemblies *(34 43 26 13)*

34 43 26 13-0002	EA	Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies	111.82	30.24
34 43 26 13-0003	EA	Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies	111.82	30.24
34 43 26 13-0004	EA	Approach And Navigational Light Cable Clamp Power Cable Assemblies	51.88	10.08

34 43 26 13-0005 Power Distribution And Control Equipment *(34 43 26 13)*

34 43 26 13-0006 Control Panel *(34 43 26 13-0005)*

34 43 26 13-0007	EA	Control Panel, Series Circuit Monitor 6.6 Amperes, 48 Volt DC Current	8,774.64	241.93
34 43 26 13-0008	EA	Key Selector Switch	76.65	13.11

34 43 26 13-0009 Series/Isolation Transformers *(34 43 26 13-0005)*

Note: L-830

34 43 26 13-0010	EA	Series / Isolation Transformers 30/45 Watt - FAA	230.62	20.16
34 43 26 13-0011	EA	Series / Isolation Transformers 65 Watt - FAA	267.20	20.16
34 43 26 13-0012	EA	Series / Isolation Transformers 100 Watt - FAA	303.78	20.16
34 43 26 13-0013	EA	Series / Isolation Transformers 300 Watt - FAA	402.02	30.24
34 43 26 13-0014	EA	Series / Isolation Transformers 500 Watt - FAA	423.97	30.24
34 43 26 13-0015	EA	Series / Isolation Transformers 30/45 Watt - MIL	319.63	20.16
34 43 26 13-0016	EA	Series / Isolation Transformers 200 Watt - MIL	387.92	20.16
34 43 26 13-0017	EA	Series / Isolation Transformers 300 Watt - MIL	512.98	30.24
34 43 26 13-0018	EA	Series / Isolation Transformers 500 Watt - MIL	593.45	30.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 26 13-0019		**Auxiliary Pilot Relay Cabinet** *(34 43 26 13-0005)*		
34 43 26 13-0020	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet	4,180.49	161.29
34 43 26 13-0021	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet	4,180.49	161.29
34 43 26 13-0022	EA	Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet	4,843.72	201.61
34 43 26 13-0023	EA	Master Timer Cabinet	18,318.16	436.96
34 43 26 13-0024		**Radio Control** *(34 43 26 13-0005)*		
34 43 26 13-0025	EA	Radio Control Receiver Controller	4,998.62	1,294.31
34 43 26 13-0026		**Constant Current Regulator** *(34 43 26 13-0005)* Note: L-828		
34 43 26 13-0027	EA	Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment	14,139.65	241.93
		For Monitored Constant Current Regulators (L-829), Add	*2,731.27*	
34 43 26 13-0028	EA	Constant Current Regulator, 15 KW - Wet Type Power Distribution And Control Equipment	19,382.32	302.41
		For Monitored Constant Current Regulators (L-829), Add	*3,755.50*	
34 43 26 13-0029	EA	Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment	24,624.68	362.90
		For Monitored Constant Current Regulators (L-829), Add	*4,779.73*	
34 43 26 13-0030	EA	Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment	37,254.22	604.82
		For Monitored Constant Current Regulators (L-829), Add	*7,193.98*	
34 43 26 13-0031	EA	Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment	5,363.18	120.97
		For Monitored Constant Current Regulators (L-829), Add	*1,024.23*	
34 43 26 13-0032	EA	Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment	7,882.34	161.29
		For Monitored Constant Current Regulators (L-829), Add	*1,511.95*	
34 43 26 13-0033	EA	Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment	9,993.96	241.93
		For Monitored Constant Current Regulators (L-829), Add	*1,902.14*	
34 43 26 13-0034	EA	Constant Current Regulator, 15 KW - Dry Type Power Distribution And Control Equipment	14,124.62	302.41
		For Monitored Constant Current Regulators (L-829), Add	*2,703.96*	
34 43 26 13-0035	EA	Constant Current Regulator, 20 KW - Dry Type Power Distribution And Control Equipment	18,650.02	362.90
		For Monitored Constant Current Regulators (L-829), Add	*3,584.80*	
34 43 26 13-0036		**Lamp Failure Detector** *(34 43 26 13-0005)*		
34 43 26 13-0037	EA	Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amperes And 3 - 20 Amperes Circuit Monitoring	12,449.71	161.29
34 43 26 13-0038		**Accessories** *(34 43 26 13-0005)*		
34 43 26 13-0039	EA	Plug Cutout Power Distribution And Control Equipment Accessory	1,075.78	80.64
34 43 26 13-0040	EA	Primary Connector Kit Power Distribution And Control Equipment Accessory	107.64	40.32
34 43 26 13-0041	EA	Secondary Connector Kit Power Distribution And Control Equipment Accessory	124.72	40.32
34 43 26 13-0042	EA	Heat Shrink Kit Power Distribution And Control Equipment Accessory	135.86	60.48
34 43 26 13-0043		**Runway Lighting Cable** *(34 43 26 13-0005)*		
34 43 26 13-0044	LF	Electric Type "C" Cable	9.81	0.40
34 43 26 13-0045		**Terminal Blocks** *(34 43 26 13-0005)*		
34 43 26 13-0046	EA	Terminal Blocks	124.01	4.36
34 43 26 13-0047		**Tower Lighting Controllers** *(34 43 26 13)*		
34 43 26 13-0048	EA	Tower Light Controllers 0-150' Tower Cabinets Only	2,922.72	322.57
34 43 26 13-0049	EA	Light Controllers 150-450' Tower Cabinets Only	5,876.44	362.90
34 43 26 13-0050	EA	One Obstruction Light Alarm	2,090.58	161.29
34 43 26 13-0051	EA	2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe	4,653.35	241.93
34 43 26 13-0052	EA	Alarm Test Switch For 2 Lights Obstruction	4,492.64	161.29
34 43 26 13-0053		**Junction Boxes And Tower Accessories** *(34 43 26 13)*		
34 43 26 13-0054	EA	Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep	232.02	40.32
34 43 26 13-0055	EA	Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5"	452.05	50.40
34 43 26 13-0056	EA	Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8"	796.73	60.48
34 43 26 13-0057	EA	Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6"	1,112.36	80.64
34 43 26 13-0058	EA	Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow	117.40	40.32
34 43 26 13-0059	EA	Junction Box Drain, Screened 1" Nipple	117.40	40.32
34 43 26 13-0060	EA	Wraplock Tape, Galvanized Steel 100' Roll	556.51	241.93
34 43 26 13-0061	EA	Telephone Jack Assembly In Field Box With 1/2" Hub	515.99	40.32
34 43 26 13-0062	EA	Elevated Approach Bar	7,099.60	1,391.85
34 43 26 13-0063		**Lighting Kits For Towers** *(34 43 26 13)* Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit.		
34 43 26 13-0064	EA	Lighting Kits For Up To 100' Tower	6,231.40	1,800.53
34 43 26 13-0065	EA	Lighting Kits For From 101'-150' Tower	14,255.88	2,250.67
34 43 26 13-0066	EA	Lighting Kits For From 151'-200' Tower	16,452.97	3,376.00
34 43 26 13-0067	EA	Lighting Kits For From 201'-300' Tower	19,905.75	5,064.00
34 43 26 13-0068	EA	Lighting Kits For From 301'-450' Tower	36,058.11	8,327.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 26 13-0069		Junction Boxes And Tower Accessories *(34 43 26 13)*		
34 43 26 13-0070	EA	Termination Bar Complete	5,718.02	436.96
34 43 33		**Airfield Lighting Test** *(34 43)*		
34 43 33 00-0001		Photometric Testing Of Airfield Lighting Fixtures *(34 43 33)*		
34 43 33 00-0002	EA	Mobilization Cost for Photometric Testing Of Airfield Lighting Fixtures Signs And Testing Of CCRs	4,239.41	
34 43 33 00-0003	EA	Up To 100 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	42.17	
34 43 33 00-0004	EA	>100 To 500 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	30.25	
34 43 33 00-0005	EA	>500 To 750 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	24.29	
34 43 33 00-0006	EA	>750 To 1,000 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	18.10	
34 43 33 00-0007	EA	>1,000 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	15.24	
34 43 33 00-0008	EA	Up To 100 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	31.58	
34 43 33 00-0009	EA	>100 To 500 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	22.57	
34 43 33 00-0010	EA	>500 To 750 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	18.10	
34 43 33 00-0011	EA	>750 To 1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	13.58	
34 43 33 00-0012	EA	>1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	12.07	
34 43 33 00-0013		Constant Current Regulator Testing *(34 43 33)*		
34 43 33 00-0014	EA	Mobilization Cost for Constant Current Regulator Testing	2,693.78	
34 43 33 00-0015	EA	Constant Current Regulator Testing Note: Includes analysis and report.	233.72	
34 70		**Transportation Construction and Equipment** *(34)*		
34 71		**Roadway Construction** *(34 70)*		
34 71 13		**Vehicle Barriers** *(34 71)*		
34 71 13 13		**Vehicle Median Barriers** *(34 71 13)*		
34 71 13 13-0001		Concrete Median Barrier *(34 71 13 13)*		
34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	54.32	2.26
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	109.85	2.26
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	166.36	2.26
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	31.60	2.91
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	29.57	1.95
34 71 13 16		**Vehicle Crash Barriers** *(34 71 13)*		
34 71 13 16-0001		Impact Barrier, Non-Redirective *(34 71 13 16)*		
34 71 13 16-0002		Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	536.65	25.65
34 71 13 16-0004		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By TrafFix Devices, Inc.		
34 71 13 16-0005	EA	Removal And Replacement Of Sand Container For 200, 400, Or 700 Lb. Sand Barrel Note: For TrafFix Devices, Inc.	276.67	
34 71 13 16-0006	EA	Removal And Replacement Of Pedestal Unit For 200, 400, Or 700 Lb. Sand Barrel Note: For TrafFix Devices, Inc.	276.67	
34 71 13 16-0007	EA	Removal And Replacement Of 1,400 Lb. Sand Barrel, Excludes Lid, For TrafFix Devices	438.88	
34 71 13 16-0008	EA	Removal And Replacement Of 2,100 Lb. Sand Barrel, Excludes Lid, For TrafFix Devices	473.90	
34 71 13 16-0009	EA	Removal And Replacement Of Lid For Sand Barrel for TrafFix Devices, Inc.	112.51	
34 71 13 16-0010		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By Fitch Universal Module System.		
34 71 13 16-0011	EA	Removal And Replacement Of Barrel Wall Section for Fitch Universal Module System	436.20	
34 71 13 16-0012	EA	Removal And Replacement Of Unicore Insert for Fitch Universal Module System	273.99	
34 71 13 16-0013	EA	Removal And Replacement Of Lid for Fitch Universal Module System	115.19	
34 71 13 16-0014	EA	Removal And Replacement Of Zip Strip for Fitch Universal Module System	57.60	
34 71 13 16-0015		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By Energite III.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0016	EA	Removal And Replacement Of Sand Container For 200, 400, 700 Or 1,400 Lb. Sand Barrel For Energite III Systems	428.17	
34 71 13 16-0017	EA	Removal And Replacement Of Sand Container For 2,100 Lb. Sand Barrel For Energite III Systems	457.83	
34 71 13 16-0018	EA	Removal And Replacement Of Cone For 200, Or 400 Lb. Sand Barrel For Energite III Systems	139.28	
34 71 13 16-0019	EA	Removal And Replacement Of Cone For 700, 1,400 Or 2,100 Lb. Sand Barrel For Energite III Systems	367.77	
34 71 13 16-0020	EA	Removal And Replacement Of Lid for Energite III Systems	112.51	

34 71 13 16-0021 Sand For Sand Barrel Impact Attenuator *(34 71 13 16-0001)*

34 71 13 16-0022	LB	Sand for Sand Barrels	0.05	

34 71 13 19 Vehicle Traffic Barriers *(34 71 13)*

34 71 13 19-0001 Vehicle Barricade Components (Delta Scientific Basic System or equal) *(34 71 13 19)*

Note: Excludes foundation excavation and concrete

34 71 13 19-0002	EA	Hydraulic Operation Barrier Gate (Delta Scientific BB10M)	20,889.72	
34 71 13 19-0003	EA	High Security Cable Crash Beam Barrier (Delta Scientific BB10MS)	50,956.18	
34 71 13 19-0004	EA	Quick Deployment Crash Barrier (Delta Scientific DSC1100)	109,816.93	
34 71 13 19-0005	EA	Shallow Mount Barricade System (Delta Scientific DSC501)	107,721.51	
34 71 13 19-0006	EA	Hydraulic Bollard System (Delta Scientific DSC701 H)	48,706.33	
34 71 13 19-0007	EA	Decorative Fixed Post Bollard (Delta Scientific DSC701FP)	7,567.94	
34 71 13 19-0008	EA	Pneumatic Bollard System (Delta Scientific DSC701PB)	48,711.18	
34 71 13 19-0009	EA	Hydraulic Bollard System (Delta Scientific DSC720 H)	50,434.92	
34 71 13 19-0010	EA	Decorative Fixed Post Bollard (Delta Scientific DSC720FP)	8,615.54	
34 71 13 19-0011	EA	Pneumatic Bollard System (Delta Scientific DSC720PB)	50,434.92	
34 71 13 19-0012	EA	Decorative Hydraulic Bollard System (Delta Scientific DSC800 H)	38,698.17	
34 71 13 19-0013	EA	Manual Decorative Bollard (Delta Scientific DSC800 M)	14,716.38	
34 71 13 19-0014	EA	Decorative Fixed Post Bollard (Delta Scientific DSC800FP)	5,204.48	
34 71 13 19-0015	EA	Decorative Pneumatic Bollard System (Delta Scientific DSC800PB)	38,712.72	
34 71 13 19-0016	EA	Portable Surface Mounted Barrier System (Delta Scientific DSC900)	96,096.97	
34 71 13 19-0017	EA	Quick Deployment Crash Barrier, Hydraulic (Delta Scientific IP500 H)	85,506.59	
34 71 13 19-0018	EA	Quick Deployment Crash Barrier, Manual (Delta Scientific IP500 M)	62,025.08	
34 71 13 19-0019	EA	Cantilever Gate (Delta Scientific SC3000)	60,634.86	
34 71 13 19-0020	EA	Hydraulic Cantilever Gate (Delta Scientific SC3000 H)	50,200.28	
34 71 13 19-0021	EA	Manual Crash Rated Swing Gate (Delta Scientific SGC1000)	56,604.06	
34 71 13 19-0022	EA	Surface Barricade System (Delta Scientific TT107S/FM)	98,828.31	
34 71 13 19-0023	EA	Hydraulic Bollard System (Delta Scientific TT203 H)	35,830.62	
34 71 13 19-0024	EA	Counter Balanced Manual Bollard (Delta Scientific TT203 M)	10,552.81	
34 71 13 19-0025	EA	Pneumatic Bollard System (Delta Scientific TT203PB)	35,830.62	
34 71 13 19-0026	EA	Barricade System (Delta Scientific TT205)	77,457.86	
34 71 13 19-0027	EA	Barricade System (Delta Scientific TT207)	95,834.90	
34 71 13 19-0028	EA	Barricade System (Delta Scientific TT207S/FM)	107,721.51	
34 71 13 19-0029	EA	Hydraulic Bollard System (Delta Scientific TT210 H)	38,778.25	
34 71 13 19-0030	EA	Manual Security Bollard System (Delta Scientific TT210 M)	12,821.56	
34 71 13 19-0031	EA	Fixed Post Bollard System (Delta Scientific TT210FP)	5,670.69	
34 71 13 19-0032	EA	Pneumatic Bollard System (Delta Scientific TT210PB)	38,778.25	
34 71 13 19-0033	EA	Hydraulic Cable Beam Barrier (Delta Scientific TT212 H)	43,112.60	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0034	EA	Manual Cable Beam Barrier (Delta Scientific TT212 M)	25,208.14	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0035	EA	Enhanced Hydraulic Cable Beam Barrier (Delta Scientific TT212E H)	53,772.33	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0036	EA	Enhanced Manual Cable Beam Barrier (Delta Scientific TT212E M)	35,865.10	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0037	EA	Hydraulic Crash Beam Barrier (Delta Scientific TT212EC H)	67,777.69	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0038	EA	Manual Crash Beam Barrier (Delta Scientific TT212EC M)	54,838.67	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0039	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218 M)	31,191.46	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0040	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218E M)	35,939.15	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0041	EA	Hydraulic Heavy-Duty Swing Gate (Delta Scientific TT255)	23,945.04	
34 71 13 19-0042	EA	Linear Crash Rated Gate System (Delta Scientific TT280)	97,195.06	
34 71 13 19-0043	EA	High Security Rolling Gate (Delta Scientific TT300)	58,346.93	
34 71 13 19-0044	EA	Barricade System (Delta Scientific TW2015)	41,661.34	
34 71 13 19-0045	EA	Barricade System (Delta Scientific TW4030)	68,943.62	
34 71 13 19-0046	EA	Vehicle Loop Detector (Delta Scientific 3546-3NP, 3546-7NP, or 3546-8NP)	421.66	
34 71 13 19-0047	EA	Vehicle Loop Detector, Dual Relay Version, Power Resumption Safety (Delta Scientific 3546-DCNP)	520.53	

34 71 13 19-0048 Vehicle Barricade Systems Options (Delta Scientific Basic System or equal) *(34 71 13 19)*

34 71 13 19-0049	EA	Hydraulic Pumping Unit Enclosure, For DELTA HPU Only (Delta Scientific B1215)	5,493.00	
34 71 13 19-0050	EA	Master Control Panel With Reset And Override, Single Lane Control (Delta Scientific B1036TL)	4,259.09	
34 71 13 19-0051	EA	Remote Control Slave Panel With Annunciator (Delta Scientific B1086TL)	3,976.92	
34 71 13 19-0052	EA	Detector Harness, 11 Pin (Delta Scientific OC02-11)	63.93	
34 71 13 19-0053	EA	Electromagnetic Lock (Delta Scientific B4020)	3,782.92	
34 71 13 19-0054	EA	Flashing Lights, Set Of Three (Delta Scientific B4030)	1,245.54	
34 71 13 19-0055	EA	Barricade Fully Up (Or Down) Auxiliary Limit Switch (Delta Scientific B2021 Or B2020)	480.58	
34 71 13 19-0056	EA	Crash Switch, Activates Customers Alarm (Delta Scientific B4060)	725.28	
34 71 13 19-0057	EA	Emergency Manual Operating System, Hand Pump (Delta Scientific B1325)	952.34	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 19-0058	EA	Three Phase Power Monitor (Delta Scientific B1255)	747.33	
34 71 13 19-0059	EA	Power Unit Mounted Disconnect (Delta Scientific B1260)	1,338.13	
34 71 13 19-0060	EA	Barrier System Heater (Delta Scientific B4010)	1,823.12	
34 71 13 19-0061	EA	60 Watt Oil Reservoir Heater, Omega Units (Delta Scientific B1192)	879.60	
34 71 13 19-0062	EA	200 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1194)	867.16	
34 71 13 19-0063	EA	500 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1190)	1,106.15	
34 71 13 19-0064	EA	Battery Back-up, Controls Only (Delta Scientific B1155)	1,313.88	
34 71 13 19-0065	EA	Card Reader (Delta Scientific MPL-22)	1,305.06	

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Mobilize Guide Rail Crew *(34 71 13 26)*

34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	676.01	

34 71 13 26-0003 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0004 Corrugated Beam Guide Railing *(34 71 13 26-0003)*

34 71 13 26-0005 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing	36.77	1.21
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	43.99	1.21

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	50.06	1.21
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	60.02	1.21
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	138.48	1.21
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	159.21	1.21

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	241.14	15.93
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	259.23	15.93
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	349.64	15.93
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	367.73	15.93
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	349.64	15.93
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	367.73	15.93

34 71 13 26-0020 Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware.

34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail	301.86	9.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.50*	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	319.94	9.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.50*	
34 71 13 26-0023	EA	Extra Long Post For Corrugated Beam Guide Rail	338.02	9.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.50*	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	356.11	9.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.50*	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	301.86	9.39
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*2.50*	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	446.53	9.39
		For Installation In Rock, Add	*2.50*	

34 71 13 26-0027 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware. Excludes triangular mounting brackets.

34 71 13 26-0028	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	301.86	9.39
34 71 13 26-0029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	319.94	9.39
34 71 13 26-0030	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	338.02	9.39
34 71 13 26-0031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail Note: For heavy post blocked out corrugated beam guide (rustic)	356.11	9.39
34 71 13 26-0032	EA	Type A Post 1630mm Post Note: For heavy post blocked out corrugated beam guide rail	292.82	9.39
34 71 13 26-0033	EA	Type A Post 1630mm Post (Rustic) Note: For heavy post blocked out corrugated beam guide rail	310.90	9.39
34 71 13 26-0034	EA	Type B Post 1460mm Note: For heavy post blocked out corrugated beam guide rail	274.73	9.39
34 71 13 26-0035	EA	Type B Post 1460mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	292.82	9.39
34 71 13 26-0036	EA	Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	256.65	9.39
34 71 13 26-0037	EA	Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	274.73	9.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0038	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,208.93	9.39
34 71 13 26-0039	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	102.94	9.39
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0040		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0041	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	204.98	18.11
34 71 13 26-0042		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0043	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	7.08	
34 71 13 26-0044	EA	Install Stored Post For Corrugated Beam Guide Rail	24.14	
34 71 13 26-0045	LF	Install Stored Corrugated Beam Guide Railing And Post	4.10	
34 71 13 26-0046		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0047		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0048	LF	Corrugated Thrie Beam Guide Railing	94.35	1.52
34 71 13 26-0049	LF	Corrugated Thrie Beam Guide Railing (Rustic)	99.87	1.52
34 71 13 26-0050		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0051	LF	Shop Curved Corrugated Thrie Beam Guide Railing	116.40	1.52
34 71 13 26-0052	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	121.91	1.52
34 71 13 26-0053		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0046)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0054	EA	Standard Post For Corrugated Thrie Beam Guide Rail	399.87	1.52
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0055	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	417.95	1.52
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0056		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057		**Timber Guide Rail Posts** *(34 71 13 26-0056)*		
34 71 13 26-0058	EA	6" x 8" Timber Guide Rail Post	108.29	6.04
34 71 13 26-0059	EA	6" x 9" Timber Guide Rail Post	125.70	6.04
34 71 13 26-0060	EA	10" x 10" Timber Guide Rail Post	262.14	6.04
34 71 13 26-0061	EA	10" x 12" Timber Guide Rail Post	278.41	6.04
34 71 13 26-0062	EA	12" x 12" Timber Guide Rail Post	324.80	6.04
34 71 13 26-0063		**Timber Guide Rails** *(34 71 13 26-0056)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064	LF	4" x 9" Timber Guide Rail	13.50	0.73
34 71 13 26-0065	LF	6" x 10" Timber Guide Rail	19.77	0.73
34 71 13 26-0066	LF	6" x 12" Timber Guide Rail	23.44	0.73
34 71 13 26-0067		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0068	EA	4" x 9" Spacer Block For Timber Guide Rails	17.52	0.97
34 71 13 26-0069	EA	6" x 8" Spacer Block For Timber Guide Rails	20.53	0.97
34 71 13 26-0070	EA	8" x 8" Spacer Block For Timber Guide Rails	24.36	0.97
34 71 13 26-0071		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0072	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	26.31	0.61
34 71 13 26-0073		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0074	EA	Weathering Steel Splice Plate For Timber Guide Rails	172.00	8.45
34 71 13 26-0075	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	105.97	6.04
34 71 13 26-0076		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0077		**Cable Guide Rail** *(34 71 13 26-0076)*		
34 71 13 26-0078	LF	Cable (Each Cable)	17.17	1.30
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079	EA	Cable Splice With Wedges	554.58	9.05
34 71 13 26-0080		**Cable Guide Rail Posts** *(34 71 13 26-0076)*		
		Note: Includes hardware for cable mounting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail	312.98	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail	331.07	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail	331.07	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail	349.15	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit	233.69	12.52
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate	685.78	12.52
		Note: For anchor unit.		

34 71 13 26-0087 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems *(34 71 13 26-0076)*

34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	776.11	120.96
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly	369.74	6.05
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,269.86	3.01
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,306.03	3.01
34 71 13 26-0092	EA	Breakaway Anchor Angle	478.24	6.05
34 71 13 26-0093	EA	Standard End Post Cap Assembly	221.01	3.01
34 71 13 26-0094	EA	Driveway End Post Cap Assembly	184.85	3.01
34 71 13 26-0095	EA	End Post Ground Support Plates	94.43	3.01
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail	80.87	3.01
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail	98.95	3.01
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail	117.03	3.01
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	1,093.09	6.05
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,165.42	6.05
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	767.58	6.05
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	474.18	3.01
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	478.24	6.05
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	500.33	9.05

34 71 13 26-0105 Cable Guide Rail Accessories For Slip Impact Post Systems *(34 71 13 26-0076)*

34 71 13 26-0106	EA	Turnbuckle Cable End Assembly	863.87	10.45
		Note: For use with slip impact post.		
34 71 13 26-0107	EA	Spring Cable End Assembly (Compensating Device)	1,731.88	10.45
		Note: For use with slip impact post.		
34 71 13 26-0108	EA	Anchor Angle For Slip Impact Post System	484.11	10.45
34 71 13 26-0109	EA	Cable End Assembly Rod	393.70	10.45
		Note: Includes cable end, threaded rod and keeper to anchor angle.		

34 71 13 26-0110 Cable Guide Rail Repair For Existing Guide Rail *(34 71 13 26-0076)*

Note: Includes associated hardware.

34 71 13 26-0111	LF	Retention Existing Cable (Each Cable)	0.80	
34 71 13 26-0112	LF	Removal And Storage Of Cable Guide Railing	4.86	
34 71 13 26-0113	EA	Install Stored Post For Cable Guide Railing	41.73	
34 71 13 26-0114	LF	Install Stored Cable, (Each Cable)	2.15	
		Note: Includes retensioning. Excludes splices.		

34 71 13 26-0115 6" x 6" Box Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0116 Box Beam Guide Rail, 6" x 6" *(34 71 13 26-0115)*

34 71 13 26-0117 Straight Sections, Box Beam Guide Rail *(34 71 13 26-0116)*

34 71 13 26-0118	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	115.02	1.52
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0119	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	131.56	1.52
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0120	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	137.66	1.52
		Note: Excludes splices		
		For Flush Mounting Directly To Structure, Add	*1.83*	

34 71 13 26-0121 Shop Curved, Box Beam Guide Rail *(34 71 13 26-0116)*

34 71 13 26-0122	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	178.41	1.52
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0123	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	194.95	1.52
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0124	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	213.61	1.52
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0125		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0115)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0126	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,832.50	18.11
34 71 13 26-0127	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	2,031.42	18.11
34 71 13 26-0128	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,724.00	18.11
34 71 13 26-0129	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,796.33	18.11
34 71 13 26-0130	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	51,732.16	482.87
34 71 13 26-0131		**Splices For Box Beam Guide Rail** *(34 71 13 26-0115)*		
34 71 13 26-0132	EA	Splice For Box Beam Guide Rail	325.01	26.88
34 71 13 26-0133	EA	Splice For Box Beam Guide Rail (Rustic)	451.60	26.88
34 71 13 26-0134		**Box Beam Guide Rail Posts** *(34 71 13 26-0115)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0135	EA	Standard Post For Box Beam Guide Rail	331.07	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0136	EA	Standard Post (Rustic) for Box Beam Guide Railing	349.15	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0137	EA	Extra Long Post For Box Beam Guide Rail	367.23	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0138	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	385.32	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0139	EA	Type I End Assembly Post	312.98	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0140	EA	Type I End Assembly Post (Rustic)	331.07	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0141	EA	Type II End Assembly Post	294.90	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0142	EA	Type II End Assembly Post (Rustic)	312.98	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0143		**Box Beam Guide Rail Accessories** *(34 71 13 26-0115)*		
34 71 13 26-0144	EA	Box Beam Guide Rail End Cover Plate	224.24	5.43
34 71 13 26-0145	EA	Box Beam Guide Rail End Cover Plate (Rustic)	242.33	5.43
34 71 13 26-0146		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0115)* Note: For existing guide rail.		
34 71 13 26-0147	LF	Removal And Storage Of Box Beam Guide Rail And Post	2.38	
34 71 13 26-0148	LF	Reset Box Beam Guide Rail	6.97	
34 71 13 26-0149		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0150		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0149)*		
34 71 13 26-0151		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0150)*		
34 71 13 26-0152	LF	Box Beam Median Barrier Galvanized Excludes Splices	180.86	5.43
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0153	LF	Box Beam Median Barrier (Rustic) Excludes Splices	197.40	5.43
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0154		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0150)*		
34 71 13 26-0155	LF	Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices.	224.32	5.43
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0156	LF	Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices.	278.59	5.43
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0157		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0149)* Note: Includes rail, end cover plate and hardware. Excludes posts.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0158	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	6,154.48	18.11
34 71 13 26-0159	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic) Note: Excludes splices and post.	6,299.15	18.11
34 71 13 26-0160	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	6,154.48	18.11
34 71 13 26-0161	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic) Note: Excludes splices and post.	6,299.15	18.11
34 71 13 26-0162		**Splices For Box Beam Median Barrier** *(34 71 13 26-0149)*		
34 71 13 26-0163	EA	Splice for Box Beam Median Barrier	417.15	14.49
34 71 13 26-0164	EA	Splice for Box Beam Median Barrier (Rustic)	688.40	14.49
34 71 13 26-0165		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0149)* Note: Includes all associated hardware.		
34 71 13 26-0166	EA	Standard Post for Box Beam Median Barrier	331.07	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0167	EA	Standard Post (Rustic) for Box Beam Median Barrier	349.15	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0168	EA	Extra Long Post for Box Beam Median Barrier	367.23	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0169	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	385.32	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0170	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier.	294.90	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0171	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier.	294.90	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0172	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition.	367.23	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0173	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition.	385.32	31.29
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*8.35*	
34 71 13 26-0174		**Box Beam Median Barrier Accessories** *(34 71 13 26-0149)*		
34 71 13 26-0175	EA	Box Beam Median Barrier End Cover Plate	245.35	12.74
34 71 13 26-0176	EA	Box Beam Median Barrier End Cover Plate (Rustic)	263.44	12.74
34 71 13 26-0177		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0149)* Note: For existing guide rail.		
34 71 13 26-0178	LF	Removal And Storage Of Box Beam Median Barrier and Posts	2.47	
34 71 13 26-0179	LF	Reset Box Beam Median Barrier	7.29	
34 71 13 26-0180		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0181		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0180)* Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0182	CY	Guide Rail Concrete Anchor Unit	533.97	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0183	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	276.89	
34 71 13 26-0184	EA	Removal Of Guide Rail Concrete Anchor Unit	363.32	
34 71 13 26-0185		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0180)* Note: Includes associated hardware.		
34 71 13 26-0186	EA	Straighten And Reset Driven Post For Guide Rail	41.73	
34 71 13 26-0187	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	67.77	
34 71 13 26-0188		**Additional Wood and Steel Posts** *(34 71 13 26-0180)*		
34 71 13 26-0189	LF	4" x 6" Wood Post	99.83	10.46
		For Installation In Rock, Add	*2.79*	
34 71 13 26-0190	LF	6" x 8" Wood Post	126.95	10.46
		For Installation In Rock, Add	*2.79*	
34 71 13 26-0191	LF	6" x 7/8" Galvanized Steel Post	65.17	10.46
		For Installation In Rock, Add	*2.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0192	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	787.18	10.45
34 71 13 26-0193		**Accessories For All Types of Guide Rail** *(34 71 13 26-0180)*		
34 71 13 26-0194	EA	Reflector For Guard Rail	110.53	
34 71 13 26-0195		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0196	EA	6'-5" Concrete Guard Rail Posts, Round	67.81	3.57
34 71 13 26-0197	EA	6'-5" Concrete Posts, Square	75.66	4.02
34 71 13 26-0198	EA	6'-5" Concrete Posts, Triangular	73.34	4.02
34 71 13 26-0199		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0200		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0199)*		
34 71 13 26-0201	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,246.29	
34 71 13 26-0202	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	522.94	
34 71 13 26-0203		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0199)*		
34 71 13 26-0204	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,282.45	
34 71 13 26-0205	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	522.94	
34 71 13 26-0206		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0199)*		
34 71 13 26-0207	EA	Box Beam to Cable Guide Rail U-bolt And Plate	196.97	9.66
34 71 13 26-0208		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0199)*		
34 71 13 26-0209	EA	Box Beam Median Barrier To Concrete Barrier End Connection	1,969.63	
34 71 13 26-0210		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0199)*		
34 71 13 26-0211	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,065.45	
34 71 13 26-0212	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,517.54	
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		**Guard Rail Energy Absorbing Terminals** *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. One Bay consists of one Cartridge, one Diaphragm, and two Fender Panels. The Nose section is not considered a Bay, though there is a Cartridge in the Nose of each system. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		**24" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	33,116.72	2,046.45
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	46,477.50	2,728.60
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	64,039.89	3,581.29
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	69,246.97	4,433.98
34 71 16 00-0007		**30" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	35,239.63	2,302.25
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	49,675.08	3,069.67
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	68,689.36	4,092.90
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	77,563.38	4,945.58
34 71 16 00-0012		**36" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	37,399.40	2,558.06
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	52,909.07	3,410.75
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	72,961.89	4,519.25
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	85,842.39	5,457.20
34 71 16 00-0017		**69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	40,311.10	2,813.87
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	56,436.33	3,751.83
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	78,406.63	4,945.58
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	91,700.90	5,968.81
34 71 16 00-0022		**90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	43,332.38	3,069.67
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	60,091.89	4,092.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	84,449.19	5,457.20
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	97,781.94	6,480.42

34 71 19 Vehicle Delineators *(34 71)*

34 71 19 16 Flexible Vehicle Delineators *(34 71 19)*

34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	80.20	4.47
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	81.63	4.47
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	83.06	4.47
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	84.49	4.47

34 73 Airfield Construction *(34 70)*

34 73 33 Airfield Paving *(34 73)*

34 73 33 00-0001 Concrete Runway Paving And Repair *(34 73 33)*

34 73 33 00-0002 Concrete Runway Paving *(34 73 33 00-0001)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

34 73 33 00-0003	SY	4" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	48.88
		For Up To 100, Add	*16.43*
		For >100 To 250, Add	*9.83*
		For >250 To 500, Add	*4.91*
		For >1,000 To 2,000, Deduct	*-1.61*
		For >2,000 To 5,000, Deduct	*-2.83*
		For >5,000 To 10,000, Deduct	*-4.06*
		For >10,000 To 20,000, Deduct	*-5.28*
		For >20,000, Deduct	*-6.50*
		For 5,000 PSI, Deduct	*-3.23*
		For 4,500 PSI, Deduct	*-5.48*
		For 7,500 PSI, Add	*10.16*
		For 9,000 PSI, Add	*31.28*
		For 10,500 PSI, Add	*43.54*
		For 12,000 PSI, Add	*58.05*
34 73 33 00-0004	SY	5" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	58.95
		For Up To 100, Add	*19.18*
		For >100 To 250, Add	*11.61*
		For >250 To 500, Add	*5.81*
		For >1,000 To 2,000, Deduct	*-2.02*
		For >2,000 To 5,000, Deduct	*-3.50*
		For >5,000 To 10,000, Deduct	*-4.97*
		For >10,000 To 20,000, Deduct	*-6.45*
		For >20,000, Deduct	*-7.92*
		For 5,000 PSI, Deduct	*-4.05*
		For 4,500 PSI, Deduct	*-6.88*
		For 7,500 PSI, Add	*12.75*
		For 9,000 PSI, Add	*39.27*
		For 10,500 PSI, Add	*54.65*
		For 12,000 PSI, Add	*72.86*
34 73 33 00-0005	SY	6" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	62.70
		For Up To 100, Add	*20.54*
		For >100 To 250, Add	*12.41*
		For >250 To 500, Add	*6.20*
		For >1,000 To 2,000, Deduct	*-2.13*
		For >2,000 To 5,000, Deduct	*-3.70*
		For >5,000 To 10,000, Deduct	*-5.27*
		For >10,000 To 20,000, Deduct	*-6.84*
		For >20,000, Deduct	*-8.40*
		For 5,000 PSI, Deduct	*-4.27*
		For 4,500 PSI, Deduct	*-7.26*
		For 7,500 PSI, Add	*13.45*
		For 9,000 PSI, Add	*41.41*
		For 10,500 PSI, Add	*57.63*
		For 12,000 PSI, Add	*76.84*
34 73 33 00-0006	SY	7" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	76.00
		For Up To 100, Add	*24.06*
		For >100 To 250, Add	*14.72*
		For >250 To 500, Add	*7.36*
		For >1,000 To 2,000, Deduct	*-2.69*
		For >2,000 To 5,000, Deduct	*-4.59*
		For >5,000 To 10,000, Deduct	*-6.49*
		For >10,000 To 20,000, Deduct	*-8.39*
		For >20,000, Deduct	*-10.29*
		For 5,000 PSI, Deduct	*-5.38*
		For 4,500 PSI, Deduct	*-9.15*
		For 7,500 PSI, Add	*16.96*
		For 9,000 PSI, Add	*52.22*
		For 10,500 PSI, Add	*72.68*
		For 12,000 PSI, Add	*96.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0007	SY	8" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	85.70	
		For Up To 100, Add	*27.78*	
		For >100 To 250, Add	*16.85*	
		For >250 To 500, Add	*8.42*	
		For >1,000 To 2,000, Deduct	*-2.96*	
		For >2,000 To 5,000, Deduct	*-5.10*	
		For >5,000 To 10,000, Deduct	*-7.24*	
		For >10,000 To 20,000, Deduct	*-9.38*	
		For >20,000, Deduct	*-11.53*	
		For 5,000 PSI, Deduct	*-5.91*	
		For 4,500 PSI, Deduct	*-10.05*	
		For 7,500 PSI, Add	*18.62*	
		For 9,000 PSI, Add	*57.33*	
		For 10,500 PSI, Add	*79.79*	
		For 12,000 PSI, Add	*106.38*	
34 73 33 00-0008	SY	9" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	97.66	
		For Up To 100, Add	*31.28*	
		For >100 To 250, Add	*19.05*	
		For >250 To 500, Add	*9.53*	
		For >1,000 To 2,000, Deduct	*-3.41*	
		For >2,000 To 5,000, Deduct	*-5.86*	
		For >5,000 To 10,000, Deduct	*-8.30*	
		For >10,000 To 20,000, Deduct	*-10.74*	
		For >20,000, Deduct	*-13.18*	
		For 5,000 PSI, Deduct	*-6.83*	
		For 4,500 PSI, Deduct	*-11.61*	
		For 7,500 PSI, Add	*21.51*	
		For 9,000 PSI, Add	*66.24*	
		For 10,500 PSI, Add	*92.19*	
		For 12,000 PSI, Add	*122.92*	
34 73 33 00-0009	SY	10" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	108.37	
		For Up To 100, Add	*34.97*	
		For >100 To 250, Add	*21.24*	
		For >250 To 500, Add	*10.62*	
		For >1,000 To 2,000, Deduct	*-3.76*	
		For >2,000 To 5,000, Deduct	*-6.47*	
		For >5,000 To 10,000, Deduct	*-9.17*	
		For >10,000 To 20,000, Deduct	*-11.88*	
		For >20,000, Deduct	*-14.59*	
		For 5,000 PSI, Deduct	*-7.51*	
		For 4,500 PSI, Deduct	*-12.77*	
		For 7,500 PSI, Add	*23.66*	
		For 9,000 PSI, Add	*72.87*	
		For 10,500 PSI, Add	*101.41*	
		For 12,000 PSI, Add	*135.22*	
34 73 33 00-0010	SY	12" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	128.84	
		For Up To 100, Add	*41.72*	
		For >100 To 250, Add	*25.31*	
		For >250 To 500, Add	*12.65*	
		For >1,000 To 2,000, Deduct	*-4.45*	
		For >2,000 To 5,000, Deduct	*-7.67*	
		For >5,000 To 10,000, Deduct	*-10.89*	
		For >10,000 To 20,000, Deduct	*-14.11*	
		For >20,000, Deduct	*-17.33*	
		For 5,000 PSI, Deduct	*-8.90*	
		For 4,500 PSI, Deduct	*-15.12*	
		For 7,500 PSI, Add	*28.02*	
		For 9,000 PSI, Add	*86.28*	
		For 10,500 PSI, Add	*120.08*	
		For 12,000 PSI, Add	*160.11*	
34 73 33 00-0011	SY	15" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	162.18	
		For Up To 100, Add	*53.62*	
		For >100 To 250, Add	*32.27*	
		For >250 To 500, Add	*16.13*	
		For >1,000 To 2,000, Deduct	*-5.46*	
		For >2,000 To 5,000, Deduct	*-9.52*	
		For >5,000 To 10,000, Deduct	*-13.57*	
		For >10,000 To 20,000, Deduct	*-17.63*	
		For >20,000, Deduct	*-21.68*	
		For 5,000 PSI, Deduct	*-10.92*	
		For 4,500 PSI, Deduct	*-18.57*	
		For 7,500 PSI, Add	*34.41*	
		For 9,000 PSI, Add	*105.95*	
		For 10,500 PSI, Add	*147.46*	
		For 12,000 PSI, Add	*196.61*	

34 73 33 00-0012 **Concrete Runway Paving Repair** *(34 73 33 00-0001)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix. Excludes saw cutting, breakup and removal See CSI section 02 41 13 13-0018 for concrete removal, 02 41 19 13-0057 for saw cutting concrete.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0013	SY	4" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	53.03	
		For Up To 100, Add	*18.92*	
		For >100 To 250, Add	*11.07*	
		For >250 To 500, Add	*5.54*	
		For 5,000 PSI, Deduct	*-3.23*	
		For 4,500 PSI, Deduct	*-5.48*	
		For 7,500 PSI, Add	*10.16*	
		For 9,000 PSI, Add	*31.28*	
		For 10,500 PSI, Add	*43.54*	
		For 12,000 PSI, Add	*58.05*	
34 73 33 00-0014	SY	5" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	63.57	
		For Up To 100, Add	*21.95*	
		For >100 To 250, Add	*13.00*	
		For >250 To 500, Add	*6.50*	
		For 5,000 PSI, Deduct	*-4.05*	
		For 4,500 PSI, Deduct	*-6.88*	
		For 7,500 PSI, Add	*12.75*	
		For 9,000 PSI, Add	*39.27*	
		For 10,500 PSI, Add	*54.65*	
		For 12,000 PSI, Add	*72.86*	
34 73 33 00-0015	SY	6" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	67.70	
		For Up To 100, Add	*23.54*	
		For >100 To 250, Add	*13.91*	
		For >250 To 500, Add	*6.95*	
		For 5,000 PSI, Deduct	*-4.27*	
		For 4,500 PSI, Deduct	*-7.26*	
		For 7,500 PSI, Add	*13.45*	
		For 9,000 PSI, Add	*41.41*	
		For 10,500 PSI, Add	*57.63*	
		For 12,000 PSI, Add	*76.84*	
34 73 33 00-0016	SY	7" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	81.54	
		For Up To 100, Add	*27.39*	
		For >100 To 250, Add	*16.39*	
		For >250 To 500, Add	*8.19*	
		For 5,000 PSI, Deduct	*-5.38*	
		For 4,500 PSI, Deduct	*-9.15*	
		For 7,500 PSI, Add	*16.96*	
		For 9,000 PSI, Add	*52.22*	
		For 10,500 PSI, Add	*72.68*	
		For 12,000 PSI, Add	*96.91*	
34 73 33 00-0017	SY	8" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	92.35	
		For Up To 100, Add	*31.77*	
		For >100 To 250, Add	*18.84*	
		For >250 To 500, Add	*9.42*	
		For 5,000 PSI, Deduct	*-5.91*	
		For 4,500 PSI, Deduct	*-10.05*	
		For 7,500 PSI, Add	*18.62*	
		For 9,000 PSI, Add	*57.33*	
		For 10,500 PSI, Add	*79.79*	
		For 12,000 PSI, Add	*106.38*	
34 73 33 00-0018	SY	9" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	104.99	
		For Up To 100, Add	*35.68*	
		For >100 To 250, Add	*21.25*	
		For >250 To 500, Add	*10.63*	
		For 5,000 PSI, Deduct	*-6.83*	
		For 4,500 PSI, Deduct	*-11.61*	
		For 7,500 PSI, Add	*21.51*	
		For 9,000 PSI, Add	*66.24*	
		For 10,500 PSI, Add	*92.19*	
		For 12,000 PSI, Add	*122.92*	
34 73 33 00-0019	SY	10" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	116.68	
		For Up To 100, Add	*39.96*	
		For >100 To 250, Add	*23.74*	
		For >250 To 500, Add	*11.87*	
		For 5,000 PSI, Deduct	*-7.51*	
		For 4,500 PSI, Deduct	*-12.77*	
		For 7,500 PSI, Add	*23.66*	
		For 9,000 PSI, Add	*72.87*	
		For 10,500 PSI, Add	*101.41*	
		For 12,000 PSI, Add	*135.22*	
34 73 33 00-0020	SY	12" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	138.83	
		For Up To 100, Add	*47.72*	
		For >100 To 250, Add	*28.31*	
		For >250 To 500, Add	*14.15*	
		For 5,000 PSI, Deduct	*-8.90*	
		For 4,500 PSI, Deduct	*-15.12*	
		For 7,500 PSI, Add	*28.02*	
		For 9,000 PSI, Add	*86.28*	
		For 10,500 PSI, Add	*120.08*	
		For 12,000 PSI, Add	*160.11*	
34 73 33 00-0021	SY	15" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	175.42	
		For Up To 100, Add	*61.56*	
		For >100 To 250, Add	*36.24*	
		For >250 To 500, Add	*18.12*	
		For 5,000 PSI, Deduct	*-10.92*	
		For 4,500 PSI, Deduct	*-18.57*	
		For 7,500 PSI, Add	*34.41*	
		For 9,000 PSI, Add	*105.95*	
		For 10,500 PSI, Add	*147.46*	
		For 12,000 PSI, Add	*196.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0022		**Bituminous Runway Paving And Repair** *(34 73 33)*		
34 73 33 00-0023		**Bituminous Surface Courses** *(34 73 33 00-0022)*		
34 73 33 00-0024	SY	1" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	7.82	
34 73 33 00-0025	SY	1-1/2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	11.48	
34 73 33 00-0026	SY	2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	15.15	
34 73 33 00-0027	SY	2-1/2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	18.25	
34 73 33 00-0028	SY	3" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	21.36	
34 73 33 00-0029		**Bituminous Surface Courses Repair** *(34 73 33 00-0022)* Note: Excludes saw cutting, breakup and removal. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0030	SY	1" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	8.40	
		For Up To 100, Add	*2.83*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.85*	
34 73 33 00-0031	SY	1-1/2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	12.28	
		For Up To 100, Add	*4.05*	
		For >100 To 250, Add	*2.44*	
		For >250 To 500, Add	*1.22*	
34 73 33 00-0032	SY	2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	16.16	
		For Up To 100, Add	*5.27*	
		For >100 To 250, Add	*3.19*	
		For >250 To 500, Add	*1.59*	
34 73 33 00-0033	SY	2-1/2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	19.35	
		For Up To 100, Add	*6.07*	
		For >100 To 250, Add	*3.73*	
		For >250 To 500, Add	*1.86*	
34 73 33 00-0034	SY	3" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	22.67	
		For Up To 100, Add	*6.96*	
		For >100 To 250, Add	*4.31*	
		For >250 To 500, Add	*2.16*	
34 73 33 00-0035		**Jet Fuel Resistant Seal Coat** *(34 73 33)* Note: Includes sweeping and cleaning of area.		
34 73 33 00-0036	SY	Roller Applied, SkidGuard Road Grade Black Jet Fuel Resistant Seal Coat (0.1125 Gallon/SY)	11.55	
34 73 33 00-0037	SY	Spray Applied, SkidGuard Road Grade Black Jet Fuel Resistant Seal Coat (0.27 Gallon/SY)	18.67	
34 73 33 00-0038	SY	Up To 500 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	5.03	
34 73 33 00-0039	SY	>500 To 1000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	4.17	
34 73 33 00-0040	SY	>1000 To 5000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	3.60	
34 73 33 00-0041	SY	>5000 To 20000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	3.23	
34 73 33 00-0042	SY	>20000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	3.04	
34 73 33 00-0043	SY	Up To 500 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	3.37	
34 73 33 00-0044	SY	>500 To 1000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	2.51	
34 73 33 00-0045	SY	>1000 To 5000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	1.94	
34 73 33 00-0046	SY	>5000 To 20000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	1.57	
34 73 33 00-0047	SY	>20000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	1.38	
34 73 33 00-0048		**Runway Pavement Markings** *(34 73 33)*		
34 73 33 00-0049		**Polyester/Acrylic Reflective Runway Pavement Markings** *(34 73 33 00-0048)*		
34 73 33 00-0050	LF	4" Wide Polyester/Acrylic Reflective Runway Pavement Striping	0.55	
34 73 33 00-0051	LF	6" Wide Polyester/Acrylic Reflective Runway Pavement Striping	0.77	
34 73 33 00-0052	LF	8" Wide Polyester/Acrylic Reflective Runway Pavement Striping	1.03	
34 73 33 00-0053	LF	12" Wide Polyester/Acrylic Reflective Runway Pavement Striping	1.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0054	EA	6" Polyester/Acrylic Reflectorized Runway Pavement Letter	2.30	
		For <10, Add	*0.27*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 200, Deduct	*-0.18*	
		For >200, Deduct	*-0.35*	
34 73 33 00-0055	EA	12" Polyester/Acrylic Reflectorized Runway Pavement Letter	4.77	
		For <10, Add	*0.40*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 200, Deduct	*-0.27*	
		For >200, Deduct	*-0.53*	
34 73 33 00-0056	EA	24" Polyester/Acrylic Reflectorized Runway Pavement Letter	12.86	
		For <10, Add	*0.67*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 200, Deduct	*-0.44*	
		For >200, Deduct	*-0.89*	
34 73 33 00-0057	EA	36" Polyester/Acrylic Reflectorized Runway Pavement Letter	27.82	
		For <10, Add	*1.33*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 200, Deduct	*-0.89*	
		For >200, Deduct	*-1.78*	
34 73 33 00-0058	EA	48" Polyester/Acrylic Reflectorized Runway Pavement Letter	43.63	
		For <10, Add	*1.49*	
		For >50 To 100, Deduct	*-0.75*	
		For >100 To 200, Deduct	*-1.00*	
		For >200, Deduct	*-1.99*	
34 73 33 00-0059	EA	72" Polyester/Acrylic Reflectorized Runway Pavement Letter	93.49	
		For <10, Add	*2.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 200, Deduct	*-1.77*	
		For >200, Deduct	*-3.54*	
34 73 33 00-0060	EA	96" Polyester/Acrylic Reflectorized Runway Pavement Letter	158.50	
		For <10, Add	*3.57*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.38*	
		For >200, Deduct	*-4.76*	
34 73 33 00-0061	EA	120" Polyester/Acrylic Reflectorized Runway Pavement Letter	239.97	
		For <10, Add	*4.43*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-2.95*	
		For >200, Deduct	*-5.90*	
34 73 33 00-0062	SF	Polyester/Acrylic Reflective Runway Pavement Striping For Areas >12" Wide	1.59	
34 73 33 00-0063	SF	Polyester/Acrylic Reflectorized Runway Pavement Markings, Symbols	5.38	

34 73 33 00-0064 Remove Reflective Markings From Runway *(34 73 33 00-0048)*

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

34 73 33 00-0065	EA	Initial Set-up And Final Equipment Removal For Stripe Removal From Runways	4,148.68	
34 73 33 00-0066	LF	Removal Of 4" Runway Pavement Stripe	3.32	
34 73 33 00-0067	LF	Removal Of 6" Runway Pavement Stripe	4.15	
34 73 33 00-0068	LF	Removal Of 8" Runway Pavement Stripe	5.06	
34 73 33 00-0069	LF	Removal Of 12" Runway Pavement Stripe	6.30	
34 73 33 00-0070	SF	Removal Of Runway Pavement Letters And Symbols	6.30	

34 73 33 00-0071 Runway Pavement Rubber Or Paint Removal *(34 73 33)*

Note: Mechanical rubber removal equipment includes waterblasting, shotblasting, sandblasting, or other approved non-chemical systems. Control equipment to be used on asphalt or tar concrete to remove rubber accumulations and minimize disturbance to asphalt or tar mixtures. Equipment to be used on portland cement concretes shall be controlled to remove rubber accumulations and prevent removal of hardened paste from the concrete. Recovery of debris and disposal to a dumpster.

34 73 33 00-0072	EA	Initial Set-up And Final Equipment Removal For Rubber Or Paint Removal From Runways	4,148.68	
34 73 33 00-0073	SF	Removal Of Rubber From Runways	0.41	
34 73 33 00-0074	SF	Removal Of Paint From Runway Center Line And Edge Stripes	1.27	
34 73 33 00-0075	SF	Removal Of Paint From Runway Areas Other Than Center Line And Edge Stripes	2.84	

34 73 33 00-0076 Runway Pavement Friction Testing *(34 73 33)*

34 73 33 00-0077	EA	Friction Testing Of Runways Note: Includes mobilization of personnel and equipment necessary and report preparation for each test.	5,040.12	

34 80 Bridges *(34)*

34 82 Bridge Specialties *(34 80)*

34 82 23 Bridge Railing *(34 82)*

34 82 23 00-0001 Metal Bridge Railing *(34 82 23)*

Note: Includes hardware for bridge rail mounting.

34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	24.16	1.72
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	49.97	2.69
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	59.48	3.94
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	74.54	4.95
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	64.48	3.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0007		**Bridge Post** *(34 82 23)*		
		Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	147.50	25.69
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post	207.88	27.29
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	555.93	48.16
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	723.37	51.38
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	636.50	51.38
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	821.42	51.38
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	568.69	51.38
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	863.90	52.98
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	841.00	52.98
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	1,101.03	52.98
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	645.72	54.59
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	645.97	54.59
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	1,110.71	54.59
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	1,148.47	54.59
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	733.60	57.80
34 82 23 00-0023		**Bridge Railing Splices** *(34 82 23)*		
		Note: Includes hardware for splices.		
34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	363.70	12.00
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	197.55	10.50
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	115.77	7.50
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	50.15	5.40
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	262.28	11.61
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	283.50	11.61
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	234.35	11.61
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	242.03	11.61
34 82 23 00-0032	EA	6" x 6' x 3/16" Box x 9' Flare Tube	354.10	15.67
34 82 23 00-0033		**Transition For Bridge Railing** *(34 82 23)*		
		Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	1,456.85	64.22
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	1,555.06	67.43
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	1,854.35	70.64
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube	589.90	32.11
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	749.09	35.32
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube	714.86	32.11
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube	608.68	32.11
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube	733.58	35.32
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube	738.17	32.11
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube	564.15	32.11
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube	726.51	32.11
34 82 23 00-0045		**Anchor Plates And End Caps For Bridge Railing** *(34 82 23)*		
34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	63.74	3.00
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	400.89	14.99
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	56.63	1.50
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	32.50	1.50
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	32.22	1.50
34 82 26		**Bridge Slope Protection** *(34 82)*		
34 82 26 00-0001		**Bridge Slope Protection** *(34 82 26)*		
		Note: Solid concrete masonry unit installed in sand bedding.		
34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	10.45	3.24
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	13.04	3.57
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	14.74	3.79
34 82 29		**Bridge Drainage** *(34 82)*		
34 82 29 00-0001		**Bridge Scuppers** *(34 82 29)*		
		Note: Includes anchors and hardware. Excludes formwork and concrete for setting replacement scupper. Demolition includes saw cutting and concrete removal. As manufactured by Syracuse Castings.		
34 82 29 00-0002	EA	Type A2, 18-1/2" x 6-7/8" Galvanized Steel Bridge Scupper	2,420.74	93.17
34 82 29 00-0003	EA	Type B2, 22-1/3" x 18-3/4" Galvanized Steel Bridge Scupper, With Grate	3,465.52	116.46
34 82 29 00-0004	EA	21-1/8" x 17-1/2" Galvanized Steel Grate For Type B2 Scupper	403.38	11.65
34 82 29 00-0005	EA	2" Bridge Scupper Pavement Riser	759.24	
34 82 29 00-0006		**Bridge Downspout** *(34 82 29)*		
		Note: Includes anchors and hardware.		
34 82 29 00-0007	LF	7" x 5" x 1/2" Galvanized Steel Bridge Downspout	188.20	4.51
34 82 29 00-0008	LF	6" x 6" x 1/2" Galvanized Steel Bridge Downspout	188.20	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy-Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*
Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	10,180.76	677.68
		For Electric Motor Operated Valve, Add	*1,844.61*	
35 22 26 00-0003	EA	24" x 24" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	14,490.93	1,016.57
		For Electric Motor Operated Valve, Add	*1,912.38*	
35 22 26 00-0004	EA	30" x 30" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	17,688.06	1,161.79
		For Electric Motor Operated Valve, Add	*1,941.43*	
35 22 26 00-0005	EA	36" x 36" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	20,279.16	1,270.71
		For Electric Motor Operated Valve, Add	*1,963.21*	
35 22 26 00-0006	EA	42" x 42" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	22,707.02	1,452.23
		For Electric Motor Operated Valve, Add	*1,999.52*	
35 22 26 00-0007	EA	48" x 48" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	31,232.00	2,323.58
		For Electric Motor Operated Valve, Add	*2,173.79*	
35 22 26 00-0008	EA	54" x 54" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	41,995.67	2,904.47
		For Electric Motor Operated Valve, Add	*2,289.96*	
35 22 26 00-0009	EA	60" x 60" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	48,071.25	3,848.42
		For Electric Motor Operated Valve, Add	*2,478.75*	
35 22 26 00-0010	EA	66" x 66" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	59,263.77	5,082.82
		For Electric Motor Operated Valve, Add	*2,725.63*	
35 22 26 00-0011	EA	72" x 72" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	61,285.74	5,808.93
		For Electric Motor Operated Valve, Add	*2,870.86*	
35 22 26 00-0012	EA	78" x 78" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	70,150.98	5,808.93
		For Electric Motor Operated Valve, Add	*3,612.71*	
35 22 26 00-0013	EA	84" x 84" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	81,767.57	6,535.06
		For Electric Motor Operated Valve, Add	*3,757.93*	
35 22 26 00-0014	EA	90" x 90" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	99,988.33	7,997.67
		For Electric Motor Operated Valve, Add	*4,050.45*	
35 22 26 00-0015	EA	96" x 96" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	113,842.85	8,378.51
		For Electric Motor Operated Valve, Add	*4,126.62*	
35 22 26 00-0016	EA	108" x 108" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	141,935.79	9,901.87
		For Electric Motor Operated Valve, Add	*4,431.29*	
35 22 26 00-0017	EA	120" x 120" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	175,434.96	12,186.92
		For Electric Motor Operated Valve, Add	*4,888.30*	
35 22 26 00-0018	EA	132" x 132" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	216,119.96	13,710.29
		For Electric Motor Operated Valve, Add	*5,192.98*	

35 22 26 00-0019 Cast Iron, Sluice Gate *(35 22 26)*

35 22 26 00-0020	EA	4" Cast Iron, Sluice Gate (Troy (C.I.) A3500/04)	2,005.10	111.62
35 22 26 00-0021	EA	6" Cast Iron, Sluice Gate (Troy (D.I.) A3500/06)	3,032.29	127.02
35 22 26 00-0022	EA	8" Cast Iron, Sluice Gate (Troy (D.I.) A3500/08)	3,853.32	160.72
35 22 26 00-0023	EA	12" Cast Iron, Sluice Gate (Troy (D.I.) A3500/12)	8,298.44	238.64

35 22 26 00-0024 Cast Iron, Sluice Gate, Frame Assembly Only (Rodney Hunt) *(35 22 26)*
Note: Frame Assembly Only

35 22 26 00-0025	EA	24" x 24" Cast Iron Sluice Gate, Frame Assembly Only	26,166.74	339.10
35 22 26 00-0026	EA	30" x 30" Cast Iron Sluice Gate, Frame Assembly Only	31,703.92	406.62
35 22 26 00-0027	EA	36" x 36" Cast Iron Sluice Gate, Frame Assembly Only	39,046.55	508.28
35 22 26 00-0028	EA	48" x 48" Cast Iron Sluice Gate, Frame Assembly Only	60,080.99	1,016.57
35 22 26 00-0029	EA	60" x 60" Cast Iron Sluice Gate, Frame Assembly Only	84,698.76	2,033.13
35 22 26 00-0030	EA	72" x 72" Cast Iron Sluice Gate, Frame Assembly Only	113,752.56	3,388.79
35 22 26 00-0031	EA	84" x 84" Cast Iron Sluice Gate, Frame Assembly Only	180,132.60	5,010.21
35 22 26 00-0032	Day	Start Up And Training, Frame Assembly, Cast Iron Sluice Gate	3,773.21	

35 22 26 00-0033 Stainless Steel, Sluice Gate *(35 22 26)*

35 22 26 00-0034	EA	4" Stainless Steel, Sluice Gate Valve (Troy A3500/04)	3,525.16	111.62

35 22 26 00-0035 Cast Iron, Shear Gates *(35 22 26)*

35 22 26 00-0036	EA	4" Cast Iron, Shear Gate (Troy A25206/04)	919.73	111.62
35 22 26 00-0037	EA	6" Cast Iron, Shear Gate (Troy A25206/06)	1,055.60	127.02
35 22 26 00-0038	EA	8" Cast Iron, Shear Gate (Troy A25206/08)	1,383.92	160.72
35 22 26 00-0039	EA	10" Cast Iron, Shear Gate (Troy A25206/10)	1,778.06	196.88
35 22 26 00-0040	EA	12" Cast Iron, Shear Gate (Troy A25206/12)	2,247.66	238.64
35 22 26 00-0041	EA	14" Cast Iron, Shear Gate (Troy A25206/14)	5,499.96	349.59
35 22 26 00-0042	EA	16" Cast Iron, Shear Gate (Troy A25206/16)	6,443.80	769.08
35 22 26 00-0043	EA	18" Cast Iron, Shear Gate (Troy A25206/18)	6,486.70	426.49
35 22 26 00-0044	EA	20" Cast Iron, Shear Gate (Troy A25206/20)	8,844.09	480.68
35 22 26 00-0045	EA	24" Cast Iron, Shear Gate (Troy A25206/24)	11,285.88	589.93
35 22 26 00-0046	EA	30" Cast Iron, Shear Gate (Troy A25206/30)	15,096.96	921.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0047		**Stainless Steel, Slide Gates (Fontaine Aquanox)** *(35 22 26)*		
		Note: Includes crank operated geared gate lift, anchor bolts, and grouting.		
35 22 26 00-0048	EA	12"x 12", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-12x12-A-CW-30)	18,946.66	435.67
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*59.74*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0049	EA	16"x 16", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-16x16-A-CW-30)	20,722.44	580.89
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*57.68*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0050	EA	18"x 18", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-18x18-A-CW-30)	21,609.83	677.47
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*55.62*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0051	EA	20"x 20", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-20x20-A-CW-30)	25,732.54	871.34
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0052	EA	24"x 24", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-24x24-A-CW-30)	27,792.62	1,016.57
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0053	EA	30"x 30", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-30x30-A-CW-30)	30,670.56	1,161.79
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0054	EA	36"x 36", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-36x36-A-CW-30)	34,225.75	1,270.71
		For Extended Stem, Add	*72.10*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0055	EA	42"x 42", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-42x42-A-CW-30)	39,044.80	1,452.23
		For Extended Stem, Add	*230.73*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0056	EA	48"x 48", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-48x48-A-CW-30)	47,882.47	2,323.58
		For Extended Stem, Add	*226.61*	
		For Wall Bracket, Add	*2,461.82*	
35 22 26 00-0057	EA	54"x 54", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-54x54-A-CW-30)	57,832.64	2,904.47
		For Extended Stem, Add	*319.32*	
		For Wall Bracket, Add	*2,461.82*	
35 22 26 00-0058	EA	60"x 60", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-60x60-A-CW-30)	64,811.05	3,848.42
		For Extended Stem, Add	*455.28*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0059	EA	72"x 72", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-72x72-A-CW-30)	85,282.94	5,808.93
		For Extended Stem, Add	*696.31*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0060	EA	84"x 84", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-84x84-A-CW-30)	101,096.12	6,535.06
		For Extended Stem, Add	*696.31*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0061	EA	96"x 96", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-96x96-A-CW-30)	119,498.73	7,987.29
		For Extended Stem, Add	*871.42*	
		For Wall Bracket, Add	*9,435.26*	
35 22 26 00-0062	EA	Factory Witnessed Testing Or Factory Inspections By DEP Personnel	1,977.70	
35 22 26 00-0063	EA	Job Site Assistance Visit (2 Days On Site) By Factory Trained Technician For Start-up, Training Or Installation Inspection	9,991.48	
35 22 59		**Hydraulic Closure Gates** *(35 22)*		
35 22 59 00-0001		**Steel Slide Gates Self Contained** *(35 22 59)*		
		Note: Includes anchors and bolts.		
35 22 59 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,458.17	254.14
		For Electric Motor Operated Valve, Add	*1,759.90*	
35 22 59 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	4,708.62	290.44
		For Electric Motor Operated Valve, Add	*1,767.16*	
35 22 59 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,357.21	338.88
		For Electric Motor Operated Valve, Add	*1,776.84*	
35 22 59 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,479.59	406.62
		For Electric Motor Operated Valve, Add	*1,790.40*	
35 22 59 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	8,317.02	508.28
		For Electric Motor Operated Valve, Add	*1,810.73*	
35 22 59 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	9,579.04	677.68
		For Electric Motor Operated Valve, Add	*1,844.61*	
35 22 59 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	12,951.97	1,016.57
		For Electric Motor Operated Valve, Add	*1,912.38*	
35 22 59 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	20,224.84	1,270.71
		For Electric Motor Operated Valve, Add	*1,963.21*	
35 22 59 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	25,606.83	2,033.13
		For Electric Motor Operated Valve, Add	*2,115.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	30,986.37	3,388.58
		For Electric Motor Operated Valve, Add	*2,386.78*	
35 22 59 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	860.05	93.67
		For Electric Motor Operated Valve, Add	*4,142.23*	

35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

35 22 59 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	19,490.22	331.84
35 22 59 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	24,089.73	414.61
35 22 59 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	30,768.96	505.38
35 22 59 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	46,579.36	967.91
35 22 59 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	67,286.94	2,112.27
35 22 59 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	87,518.83	3,226.86
35 22 59 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	133,859.98	4,034.30
35 22 59 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,773.21	

35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

35 22 59 00-0023	EA	18" Diameter Aluminum Flap Gates	3,336.85	254.14
		For Electric Motor Operated Valve, Add	*1,759.90*	
35 22 59 00-0024	EA	20" Diameter Aluminum Flap Gates	3,734.89	272.30
		For Electric Motor Operated Valve, Add	*1,763.53*	
35 22 59 00-0025	EA	24" Diameter Aluminum Flap Gates	4,129.03	290.44
		For Electric Motor Operated Valve, Add	*1,767.16*	
35 22 59 00-0026	EA	30" Diameter Aluminum Flap Gates	5,706.88	338.88
		For Electric Motor Operated Valve, Add	*1,776.84*	
35 22 59 00-0027	EA	36" Diameter Aluminum Flap Gates	7,101.55	406.62
		For Electric Motor Operated Valve, Add	*1,790.40*	
35 22 59 00-0028	EA	42" Diameter Aluminum Flap Gates	10,185.55	508.28
		For Electric Motor Operated Valve, Add	*1,810.73*	
35 22 59 00-0029	EA	48" Diameter Aluminum Flap Gates	12,818.96	677.68
		For Electric Motor Operated Valve, Add	*1,844.61*	
35 22 59 00-0030	EA	54" Diameter Aluminum Flap Gates	16,307.09	1,016.57
		For Electric Motor Operated Valve, Add	*1,912.38*	
35 22 59 00-0031	EA	60" Diameter Aluminum Flap Gates	21,341.29	1,452.23
		For Electric Motor Operated Valve, Add	*1,999.52*	
35 22 59 00-0032	EA	66" Diameter Aluminum Flap Gates	27,290.00	2,033.13
		For Electric Motor Operated Valve, Add	*2,115.70*	
35 22 59 00-0033	EA	72" Diameter Aluminum Flap Gates	33,300.48	2,904.47
		For Electric Motor Operated Valve, Add	*2,289.96*	

35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

35 22 59 00-0035	EA	12" x 12" Stainless Steel Flap Gate	7,710.02	217.83
		For Electric Motor Operated Valve, Add	*1,752.64*	
35 22 59 00-0036	EA	18" x 18" Stainless Steel Flap Gate	9,927.40	254.14
		For Electric Motor Operated Valve, Add	*1,759.90*	
35 22 59 00-0037	EA	24" x 24" Stainless Steel Flap Gate	12,869.64	290.44
		For Electric Motor Operated Valve, Add	*1,767.16*	
35 22 59 00-0038	EA	30" x 30" Stainless Steel Flap Gate	16,833.01	339.10
		For Electric Motor Operated Valve, Add	*1,776.84*	
35 22 59 00-0039	EA	36" x 36" Stainless Steel Flap Gate	25,176.27	406.62
		For Electric Motor Operated Valve, Add	*1,790.40*	
35 22 59 00-0040	EA	48" x 48" Stainless Steel Flap Gate	36,714.37	677.47
		For Electric Motor Operated Valve, Add	*1,844.61*	
35 22 59 00-0041	EA	60" x 60" Stainless Steel Flap Gate	55,421.60	1,452.23
		For Electric Motor Operated Valve, Add	*1,999.52*	
35 22 59 00-0042	EA	72" x 72" Stainless Steel Flap Gate	78,751.04	2,904.47
		For Electric Motor Operated Valve, Add	*2,289.96*	
35 22 59 00-0043	EA	84" x 84" Stainless Steel Flap Gate	109,955.68	5,808.93
		For Electric Motor Operated Valve, Add	*2,870.86*	

35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

35 22 59 00-0045	EA	12" x 12" Cast Iron Flap Gate	13,904.72	272.30
		For Electric Motor Operated Valve, Add	*1,763.53*	
35 22 59 00-0046	EA	18" x 18" Cast Iron Flap Gate	19,670.20	318.04
		For Electric Motor Operated Valve, Add	*1,772.61*	
35 22 59 00-0047	EA	24" x 24" Cast Iron Flap Gate	25,202.34	363.06
		For Electric Motor Operated Valve, Add	*1,781.68*	
35 22 59 00-0048	EA	30" x 30" Cast Iron Flap Gate	35,520.94	423.33
		For Electric Motor Operated Valve, Add	*1,793.78*	
35 22 59 00-0049	EA	36" x 36" Cast Iron Flap Gate	40,049.43	508.28
		For Electric Motor Operated Valve, Add	*1,810.73*	
35 22 59 00-0050	EA	48" x 48" Cast Iron Flap Gate	49,331.06	847.38
		For Electric Motor Operated Valve, Add	*1,878.50*	
35 22 59 00-0051	EA	60" x 60" Cast Iron Flap Gate	84,155.09	1,597.46
		For Electric Motor Operated Valve, Add	*2,028.56*	
35 22 59 00-0052	EA	72" x 72" Cast Iron Flap Gate	132,845.73	3,122.30
		For Electric Motor Operated Valve, Add	*2,333.53*	
35 22 59 00-0053	EA	84" x 84" Cast Iron Flap Gate	149,225.87	6,099.39
		For Electric Motor Operated Valve, Add	*2,928.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0054		**Steel Knife Gates Including Handwheel Operator** *(35 22 59)* Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 59 00-0055	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	1,877.03	110.87
		For Electric Motor Operated Valve, Add	*1,731.25*	
35 22 59 00-0056	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	2,545.61	129.33
		For Electric Motor Operated Valve, Add	*1,734.94*	
35 22 59 00-0057	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	3,563.58	194.03
		For Electric Motor Operated Valve, Add	*1,747.88*	
35 22 59 00-0058	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	4,433.45	258.74
		For Electric Motor Operated Valve, Add	*1,760.81*	
35 22 59 00-0059	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	5,476.65	277.18
		For Electric Motor Operated Valve, Add	*1,764.51*	
35 22 59 00-0060	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	7,157.14	298.49
		For Electric Motor Operated Valve, Add	*1,768.77*	
35 22 59 00-0061	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	9,611.67	310.45
		For Electric Motor Operated Valve, Add	*1,771.16*	
35 22 59 00-0062	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	12,057.27	352.82
		For Electric Motor Operated Valve, Add	*1,779.63*	
35 22 59 00-0063	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	15,529.87	388.06
		For Electric Motor Operated Valve, Add	*1,786.68*	
35 22 59 00-0064	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	28,477.57	517.39
		For Electric Motor Operated Valve, Add	*1,812.55*	
35 22 59 00-0065	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	37,789.73	776.13
		For Electric Motor Operated Valve, Add	*1,864.29*	
35 22 59 00-0066		**Steel Hollow Jet Flow Gate Valve** *(35 22 59)*		
35 22 59 00-0067	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,687.68	101.65
		For Electric Motor Operated Valve, Add	*1,729.40*	
35 22 59 00-0068	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,680.32	118.72
		For Electric Motor Operated Valve, Add	*1,732.82*	
35 22 59 00-0069	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,157.14	177.90
		For Electric Motor Operated Valve, Add	*1,744.65*	
35 22 59 00-0070	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,007.08	237.08
		For Electric Motor Operated Valve, Add	*1,756.49*	
35 22 59 00-0071	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	6,210.13	254.14
		For Electric Motor Operated Valve, Add	*1,759.90*	
35 22 59 00-0072	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	7,547.46	273.74
		For Electric Motor Operated Valve, Add	*1,763.82*	
35 22 59 00-0073	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	12,991.78	284.64
		For Electric Motor Operated Valve, Add	*1,766.00*	
35 22 59 00-0074	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	16,399.66	323.48
		For Electric Motor Operated Valve, Add	*1,773.77*	
35 22 59 00-0075	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	23,776.51	355.79
		For Electric Motor Operated Valve, Add	*1,780.24*	
35 22 59 00-0076	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	29,058.40	474.52
		For Electric Motor Operated Valve, Add	*1,803.97*	
35 22 59 00-0077	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	41,407.11	711.60
		For Electric Motor Operated Valve, Add	*1,851.37*	
35 22 59 00-0078	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	49,307.79	871.34
		For Electric Motor Operated Valve, Add	*2,625.23*	
35 22 59 00-0079	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	58,499.21	1,016.57
		For Electric Motor Operated Valve, Add	*2,654.23*	
35 22 59 00-0080	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	77,159.20	1,270.71
		For Electric Motor Operated Valve, Add	*2,705.06*	
35 22 59 00-0081	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	85,741.69	1,524.84
		For Electric Motor Operated Valve, Add	*2,756.01*	
35 22 59 00-0082	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	109,137.93	2,105.74
		For Electric Motor Operated Valve, Add	*2,872.38*	
35 22 59 00-0083		**Steel Dish Head Valve** *(35 22 59)*		
35 22 59 00-0084	EA	12" Diameter Dish Head Valve	1,922.98	254.14
35 22 59 00-0085	EA	18" Diameter Dish Head Valve	2,909.14	290.44
35 22 59 00-0086	EA	20" Diameter Dish Head Valve	3,379.94	317.68
35 22 59 00-0087	EA	24" Diameter Dish Head Valve	4,044.79	338.88
35 22 59 00-0088	EA	30" Diameter Dish Head Valve	6,247.56	406.62
35 22 59 00-0089	EA	36" Diameter Dish Head Valve	7,688.09	508.28
35 22 59 00-0090	EA	42" Diameter Dish Head Valve	13,195.02	677.68
35 22 59 00-0091	EA	48" Diameter Dish Head Valve	17,046.66	1,016.57
35 22 59 00-0092	EA	54" Diameter Dish Head Valve	24,524.02	1,270.71
35 22 59 00-0093	EA	60" Diameter Dish Head Valve	30,856.75	2,033.13
35 22 59 00-0094	EA	66" Diameter Dish Head Valve	43,190.88	2,541.41
35 22 59 00-0095	EA	72" Diameter Dish Head Valve	52,110.03	3,388.58
35 22 59 00-0096		**Cast Iron Body Knife Gate Valves** *(35 22 59)* Note: With 316 stainless steel interior, handwheel operator and metal seat.		
35 22 59 00-0097	EA	2" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	828.81	100.44
35 22 59 00-0098	EA	3" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	978.85	118.06
35 22 59 00-0099	EA	4" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	1,098.30	197.93
35 22 59 00-0100	EA	6" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	1,846.82	250.00
35 22 59 00-0101	EA	8" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	2,607.49	287.51
35 22 59 00-0102	EA	10" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	3,162.46	350.01
35 22 59 00-0103	EA	12" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	4,274.06	425.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 22 63 Through-Levee Access Gates *(35 22)*

35 22 63 00-0001 Cast Iron Canal Gates *(35 22 63)*

35 22 63 00-0002	EA	12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,437.33	254.14
		For Electric Motor Operated Valve, Add	*1,759.90*	
35 22 63 00-0003	EA	18" Diameter Cast Iron Canal Gates With Fabricated Frame	3,755.63	290.44
		For Electric Motor Operated Valve, Add	*1,767.16*	
35 22 63 00-0004	EA	20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,331.13	317.68
		For Electric Motor Operated Valve, Add	*1,772.61*	
35 22 63 00-0005	EA	24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,268.98	338.88
		For Electric Motor Operated Valve, Add	*1,776.84*	
35 22 63 00-0006	EA	30" Diameter Cast Iron Canal Gates With Fabricated Frame	8,223.35	406.62
		For Electric Motor Operated Valve, Add	*1,790.40*	
35 22 63 00-0007	EA	36" Diameter Cast Iron Canal Gates With Fabricated Frame	10,113.69	508.28
		For Electric Motor Operated Valve, Add	*1,810.73*	
35 22 63 00-0008	EA	42" Diameter Cast Iron Canal Gates With Fabricated Frame	17,499.61	677.68
		For Electric Motor Operated Valve, Add	*1,844.61*	
35 22 63 00-0009	EA	48" Diameter Cast Iron Canal Gates With Fabricated Frame	22,505.22	1,016.57
		For Electric Motor Operated Valve, Add	*1,912.38*	
35 22 63 00-0010	EA	54" Diameter Cast Iron Canal Gates With Fabricated Frame	32,516.36	1,270.71
		For Electric Motor Operated Valve, Add	*1,963.21*	
35 22 63 00-0011	EA	60" Diameter Cast Iron Canal Gates With Fabricated Frame	40,597.12	2,033.13
		For Electric Motor Operated Valve, Add	*2,115.70*	
35 22 63 00-0012	EA	66" Diameter Cast Iron Canal Gates With Fabricated Frame	57,046.05	2,541.41
		For Electric Motor Operated Valve, Add	*2,217.35*	
35 22 63 00-0013	EA	72" Diameter Cast Iron Canal Gates With Fabricated Frame	67,623.82	2,904.47
		For Electric Motor Operated Valve, Add	*2,289.96*	

35 24 Dredging *(35 20)*

35 24 23 Clamshell Dredging *(35 24)*

35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0031 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

35 24 23 00-0002	EA	Dredge Excavation Mobilization And Demobilization	16,135.64	
		For Inlet Rivers And Canals, Deduct	*-4,033.91*	
35 24 23 00-0003	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	17.93	
35 24 23 00-0004	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	16.14	
35 24 23 00-0005	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	17.86	
35 24 23 00-0006	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	14.98	

35 24 26 Backhoe/Dipper Dredging *(35 24)*

35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	10.11	
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	7.29	

35 50 Marine Construction and Equipment *(35)*

35 51 Floating Construction *(35 50)*

35 51 13 Floating Piers *(35 51)*

35 51 13 23 Floating Wood Piers *(35 51 13)*

35 51 13 23-0001	SF	Floating Dock, Wood, Complete	41.93	

35 51 13 29 Floating Aluminum Piers *(35 51 13)*

35 51 13 29-0001	SF	Floating Dock, Aluminum, Complete	155.33	

35 52 Offshore Platform Construction *(35 50)*

35 52 13 Fixed Offshore Platform Construction *(35 52)*

35 52 13 00-0001 Fixed Docks *(35 52 13)*

35 52 13 00-0002	SF	Fixed Dock, Aluminum, Complete	129.01	
35 52 13 00-0003	SF	Fixed Dock, Steel, Complete	93.35	
35 52 13 00-0004	SF	Fixed Dock, Wood, Complete	38.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	858.77	149.49
		For Class 52 Rating, Deduct	*-69.55*	
		For Class 54 Rating, Add	*97.56*	
		For Class 55 Rating, Add	*146.43*	
		For Class 56 Rating, Add	*194.67*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	930.38	152.11
		For Class 52 Rating, Deduct	*-76.99*	
		For Class 54 Rating, Add	*107.75*	
		For Class 55 Rating, Add	*161.61*	
		For Class 56 Rating, Add	*214.77*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,001.99	154.71
		For Class 52 Rating, Deduct	*-84.43*	
		For Class 54 Rating, Add	*117.95*	
		For Class 55 Rating, Add	*176.79*	
		For Class 56 Rating, Add	*234.87*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.61	157.33
		For Class 52 Rating, Deduct	*-91.87*	
		For Class 54 Rating, Add	*128.14*	
		For Class 55 Rating, Add	*191.98*	
		For Class 56 Rating, Add	*254.97*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,145.21	159.95
		For Class 52 Rating, Deduct	*-99.32*	
		For Class 54 Rating, Add	*138.34*	
		For Class 55 Rating, Add	*207.16*	
		For Class 56 Rating, Add	*275.07*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.82	162.56
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*148.53*	
		For Class 55 Rating, Add	*222.34*	
		For Class 56 Rating, Add	*295.17*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.43	165.17
		For Class 52 Rating, Deduct	*-114.20*	
		For Class 54 Rating, Add	*158.73*	
		For Class 55 Rating, Add	*237.52*	
		For Class 56 Rating, Add	*315.27*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.04	167.78
		For Class 52 Rating, Deduct	*-121.64*	
		For Class 54 Rating, Add	*168.92*	
		For Class 55 Rating, Add	*252.70*	
		For Class 56 Rating, Add	*335.37*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,431.65	170.40
		For Class 52 Rating, Deduct	*-129.08*	
		For Class 54 Rating, Add	*179.12*	
		For Class 55 Rating, Add	*267.88*	
		For Class 56 Rating, Add	*355.47*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.26	173.01
		For Class 52 Rating, Deduct	*-136.52*	
		For Class 54 Rating, Add	*189.31*	
		For Class 55 Rating, Add	*283.06*	
		For Class 56 Rating, Add	*375.57*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,574.87	175.62
		For Class 52 Rating, Deduct	*-143.96*	
		For Class 54 Rating, Add	*199.51*	
		For Class 55 Rating, Add	*298.24*	
		For Class 56 Rating, Add	*395.67*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.48	178.24
		For Class 52 Rating, Deduct	*-151.41*	
		For Class 54 Rating, Add	*209.70*	
		For Class 55 Rating, Add	*313.42*	
		For Class 56 Rating, Add	*415.77*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.09	180.86
		For Class 52 Rating, Deduct	*-158.85*	
		For Class 54 Rating, Add	*219.90*	
		For Class 55 Rating, Add	*328.60*	
		For Class 56 Rating, Add	*435.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,789.70	183.46
		For Class 52 Rating, Deduct	*-166.29*	
		For Class 54 Rating, Add	*230.09*	
		For Class 55 Rating, Add	*343.79*	
		For Class 56 Rating, Add	*455.96*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,861.31	186.08
		For Class 52 Rating, Deduct	*-173.73*	
		For Class 54 Rating, Add	*240.29*	
		For Class 55 Rating, Add	*358.97*	
		For Class 56 Rating, Add	*476.06*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.92	188.69
		For Class 52 Rating, Deduct	*-181.17*	
		For Class 54 Rating, Add	*250.48*	
		For Class 55 Rating, Add	*374.15*	
		For Class 56 Rating, Add	*496.16*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,004.53	191.31
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*260.68*	
		For Class 55 Rating, Add	*389.33*	
		For Class 56 Rating, Add	*516.26*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.14	193.92
		For Class 52 Rating, Deduct	*-196.06*	
		For Class 54 Rating, Add	*270.87*	
		For Class 55 Rating, Add	*404.51*	
		For Class 56 Rating, Add	*536.36*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.74	196.53
		For Class 52 Rating, Deduct	*-203.50*	
		For Class 54 Rating, Add	*281.07*	
		For Class 55 Rating, Add	*419.69*	
		For Class 56 Rating, Add	*556.46*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,219.35	199.15
		For Class 52 Rating, Deduct	*-210.94*	
		For Class 54 Rating, Add	*291.26*	
		For Class 55 Rating, Add	*434.87*	
		For Class 56 Rating, Add	*576.56*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,290.95	201.76
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*301.46*	
		For Class 55 Rating, Add	*450.05*	
		For Class 56 Rating, Add	*596.66*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.56	204.37
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*311.65*	
		For Class 55 Rating, Add	*465.23*	
		For Class 56 Rating, Add	*616.76*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.17	206.99
		For Class 52 Rating, Deduct	*-233.26*	
		For Class 54 Rating, Add	*321.85*	
		For Class 55 Rating, Add	*480.41*	
		For Class 56 Rating, Add	*636.86*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.78	209.60
		For Class 52 Rating, Deduct	*-240.70*	
		For Class 54 Rating, Add	*332.04*	
		For Class 55 Rating, Add	*495.59*	
		For Class 56 Rating, Add	*656.95*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,577.40	212.21
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*342.24*	
		For Class 55 Rating, Add	*510.77*	
		For Class 56 Rating, Add	*677.05*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.01	214.83
		For Class 52 Rating, Deduct	*-255.59*	
		For Class 54 Rating, Add	*352.43*	
		For Class 55 Rating, Add	*525.95*	
		For Class 56 Rating, Add	*697.15*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.62	217.44
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*362.63*	
		For Class 55 Rating, Add	*541.14*	
		For Class 56 Rating, Add	*717.25*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.23	220.06
		For Class 52 Rating, Deduct	*-270.47*	
		For Class 54 Rating, Add	*372.82*	
		For Class 55 Rating, Add	*556.32*	
		For Class 56 Rating, Add	*737.35*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.84	222.66
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*383.02*	
		For Class 55 Rating, Add	*571.50*	
		For Class 56 Rating, Add	*757.45*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,935.45	225.28
		For Class 52 Rating, Deduct	*-285.35*	
		For Class 54 Rating, Add	*393.21*	
		For Class 55 Rating, Add	*586.68*	
		For Class 56 Rating, Add	*777.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.06	227.90
		For Class 52 Rating, Deduct	*-292.79*	
		For Class 54 Rating, Add	*403.41*	
		For Class 55 Rating, Add	*601.86*	
		For Class 56 Rating, Add	*797.65*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,078.67	230.51
		For Class 52 Rating, Deduct	*-300.24*	
		For Class 54 Rating, Add	*413.60*	
		For Class 55 Rating, Add	*617.04*	
		For Class 56 Rating, Add	*817.75*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,150.28	233.12
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*423.80*	
		For Class 55 Rating, Add	*632.22*	
		For Class 56 Rating, Add	*837.85*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.88	235.73
		For Class 52 Rating, Deduct	*-315.12*	
		For Class 54 Rating, Add	*433.99*	
		For Class 55 Rating, Add	*647.40*	
		For Class 56 Rating, Add	*857.95*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,293.49	238.35
		For Class 52 Rating, Deduct	*-322.56*	
		For Class 54 Rating, Add	*444.19*	
		For Class 55 Rating, Add	*662.58*	
		For Class 56 Rating, Add	*878.05*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,365.10	240.97
		For Class 52 Rating, Deduct	*-330.00*	
		For Class 54 Rating, Add	*454.38*	
		For Class 55 Rating, Add	*677.76*	
		For Class 56 Rating, Add	*898.15*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,436.71	243.57
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*464.58*	
		For Class 55 Rating, Add	*692.95*	
		For Class 56 Rating, Add	*918.25*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,508.32	246.19
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*474.77*	
		For Class 55 Rating, Add	*708.13*	
		For Class 56 Rating, Add	*938.34*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.93	248.80
		For Class 52 Rating, Deduct	*-352.33*	
		For Class 54 Rating, Add	*484.97*	
		For Class 55 Rating, Add	*723.31*	
		For Class 56 Rating, Add	*958.44*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.10	188.17
		For Class 52 Rating, Deduct	*-88.44*	
		For Class 54 Rating, Add	*124.02*	
		For Class 55 Rating, Add	*186.13*	
		For Class 56 Rating, Add	*247.44*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.32	190.79
		For Class 52 Rating, Deduct	*-97.60*	
		For Class 54 Rating, Add	*136.56*	
		For Class 55 Rating, Add	*204.79*	
		For Class 56 Rating, Add	*272.15*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,263.55	193.39
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*149.09*	
		For Class 55 Rating, Add	*223.46*	
		For Class 56 Rating, Add	*296.85*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.77	196.01
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*161.63*	
		For Class 55 Rating, Add	*242.12*	
		For Class 56 Rating, Add	*321.56*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,437.99	198.63
		For Class 52 Rating, Deduct	*-125.07*	
		For Class 54 Rating, Add	*174.17*	
		For Class 55 Rating, Add	*260.78*	
		For Class 56 Rating, Add	*346.26*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,525.21	201.24
		For Class 52 Rating, Deduct	*-134.23*	
		For Class 54 Rating, Add	*186.70*	
		For Class 55 Rating, Add	*279.44*	
		For Class 56 Rating, Add	*370.97*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,612.43	203.85
		For Class 52 Rating, Deduct	*-143.39*	
		For Class 54 Rating, Add	*199.24*	
		For Class 55 Rating, Add	*298.11*	
		For Class 56 Rating, Add	*395.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,699.65	206.46
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*211.78*	
		For Class 55 Rating, Add	*316.77*	
		For Class 56 Rating, Add	*420.37*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,786.87	209.08
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*224.31*	
		For Class 55 Rating, Add	*335.43*	
		For Class 56 Rating, Add	*445.08*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.10	211.70
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*236.85*	
		For Class 55 Rating, Add	*354.10*	
		For Class 56 Rating, Add	*469.79*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.31	214.30
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*249.39*	
		For Class 55 Rating, Add	*372.76*	
		For Class 56 Rating, Add	*494.49*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,048.53	216.92
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*261.92*	
		For Class 55 Rating, Add	*391.42*	
		For Class 56 Rating, Add	*519.19*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.75	219.53
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*274.46*	
		For Class 55 Rating, Add	*410.08*	
		For Class 56 Rating, Add	*543.90*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.97	222.15
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*287.00*	
		For Class 55 Rating, Add	*428.74*	
		For Class 56 Rating, Add	*568.60*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,310.19	224.76
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*299.53*	
		For Class 55 Rating, Add	*447.40*	
		For Class 56 Rating, Add	*593.31*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,397.41	227.37
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*312.07*	
		For Class 55 Rating, Add	*466.07*	
		For Class 56 Rating, Add	*618.01*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,484.64	229.99
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*324.61*	
		For Class 55 Rating, Add	*484.73*	
		For Class 56 Rating, Add	*642.72*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.86	232.59
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*337.15*	
		For Class 55 Rating, Add	*503.39*	
		For Class 56 Rating, Add	*667.42*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.08	235.21
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*349.68*	
		For Class 55 Rating, Add	*522.06*	
		For Class 56 Rating, Add	*692.13*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,746.30	237.83
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*362.22*	
		For Class 55 Rating, Add	*540.72*	
		For Class 56 Rating, Add	*716.83*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,833.52	240.44
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*374.75*	
		For Class 55 Rating, Add	*559.38*	
		For Class 56 Rating, Add	*741.53*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.75	243.05
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*387.29*	
		For Class 55 Rating, Add	*578.04*	
		For Class 56 Rating, Add	*766.24*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.97	245.67
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*399.83*	
		For Class 55 Rating, Add	*596.70*	
		For Class 56 Rating, Add	*790.94*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,095.20	248.28
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*412.37*	
		For Class 55 Rating, Add	*615.37*	
		For Class 56 Rating, Add	*815.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.42	250.90
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*424.90*	
		For Class 55 Rating, Add	*634.03*	
		For Class 56 Rating, Add	*840.36*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.63	253.50
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*437.44*	
		For Class 55 Rating, Add	*652.69*	
		For Class 56 Rating, Add	*865.06*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,356.85	256.12
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*449.98*	
		For Class 55 Rating, Add	*671.35*	
		For Class 56 Rating, Add	*889.76*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,444.07	258.74
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*462.51*	
		For Class 55 Rating, Add	*690.02*	
		For Class 56 Rating, Add	*914.47*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,531.29	261.35
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*475.05*	
		For Class 55 Rating, Add	*708.68*	
		For Class 56 Rating, Add	*939.17*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,618.52	263.96
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*487.59*	
		For Class 55 Rating, Add	*727.34*	
		For Class 56 Rating, Add	*963.88*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,705.74	266.57
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*500.12*	
		For Class 55 Rating, Add	*746.00*	
		For Class 56 Rating, Add	*988.58*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,792.96	269.19
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*512.66*	
		For Class 55 Rating, Add	*764.67*	
		For Class 56 Rating, Add	*1,013.29*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,880.18	271.80
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*525.20*	
		For Class 55 Rating, Add	*783.33*	
		For Class 56 Rating, Add	*1,037.99*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,967.40	274.41
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*537.73*	
		For Class 55 Rating, Add	*801.99*	
		For Class 56 Rating, Add	*1,062.70*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,054.62	277.03
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*550.27*	
		For Class 55 Rating, Add	*820.65*	
		For Class 56 Rating, Add	*1,087.40*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,141.84	279.64
		For Class 52 Rating, Deduct	*-409.00*	
		For Class 54 Rating, Add	*562.81*	
		For Class 55 Rating, Add	*839.31*	
		For Class 56 Rating, Add	*1,112.10*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.07	282.25
		For Class 52 Rating, Deduct	*-418.16*	
		For Class 54 Rating, Add	*575.34*	
		For Class 55 Rating, Add	*857.98*	
		For Class 56 Rating, Add	*1,136.81*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,316.29	284.87
		For Class 52 Rating, Deduct	*-427.31*	
		For Class 54 Rating, Add	*587.88*	
		For Class 55 Rating, Add	*876.64*	
		For Class 56 Rating, Add	*1,161.52*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,403.51	287.48
		For Class 52 Rating, Deduct	*-436.47*	
		For Class 54 Rating, Add	*600.42*	
		For Class 55 Rating, Add	*895.30*	
		For Class 56 Rating, Add	*1,186.22*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,548.17	240.44
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*181.95*	
		For Class 55 Rating, Add	*272.75*	
		For Class 56 Rating, Add	*362.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.63	243.05
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*199.17*	
		For Class 55 Rating, Add	*298.37*	
		For Class 56 Rating, Add	*396.27*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,785.07	245.67
		For Class 52 Rating, Deduct	*-155.41*	
		For Class 54 Rating, Add	*216.39*	
		For Class 55 Rating, Add	*324.00*	
		For Class 56 Rating, Add	*430.19*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,903.52	248.28
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*233.61*	
		For Class 55 Rating, Add	*349.62*	
		For Class 56 Rating, Add	*464.11*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,021.96	250.90
		For Class 52 Rating, Deduct	*-180.60*	
		For Class 54 Rating, Add	*250.83*	
		For Class 55 Rating, Add	*375.25*	
		For Class 56 Rating, Add	*498.02*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.40	253.50
		For Class 52 Rating, Deduct	*-193.19*	
		For Class 54 Rating, Add	*268.05*	
		For Class 55 Rating, Add	*400.87*	
		For Class 56 Rating, Add	*531.94*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.84	256.12
		For Class 52 Rating, Deduct	*-205.79*	
		For Class 54 Rating, Add	*285.27*	
		For Class 55 Rating, Add	*426.50*	
		For Class 56 Rating, Add	*565.85*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.28	258.74
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*302.49*	
		For Class 55 Rating, Add	*452.12*	
		For Class 56 Rating, Add	*599.76*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.73	261.35
		For Class 52 Rating, Deduct	*-230.97*	
		For Class 54 Rating, Add	*319.71*	
		For Class 55 Rating, Add	*477.75*	
		For Class 56 Rating, Add	*633.68*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,614.17	263.96
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*336.93*	
		For Class 55 Rating, Add	*503.37*	
		For Class 56 Rating, Add	*667.60*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,732.62	266.57
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*354.15*	
		For Class 55 Rating, Add	*529.00*	
		For Class 56 Rating, Add	*701.51*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.06	269.19
		For Class 52 Rating, Deduct	*-268.75*	
		For Class 54 Rating, Add	*371.37*	
		For Class 55 Rating, Add	*554.62*	
		For Class 56 Rating, Add	*735.43*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,969.51	271.80
		For Class 52 Rating, Deduct	*-281.35*	
		For Class 54 Rating, Add	*388.60*	
		For Class 55 Rating, Add	*580.25*	
		For Class 56 Rating, Add	*769.34*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,087.95	274.41
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*405.81*	
		For Class 55 Rating, Add	*605.87*	
		For Class 56 Rating, Add	*803.26*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.40	277.03
		For Class 52 Rating, Deduct	*-306.53*	
		For Class 54 Rating, Add	*423.04*	
		For Class 55 Rating, Add	*631.50*	
		For Class 56 Rating, Add	*837.18*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.84	279.64
		For Class 52 Rating, Deduct	*-319.13*	
		For Class 54 Rating, Add	*440.26*	
		For Class 55 Rating, Add	*657.12*	
		For Class 56 Rating, Add	*871.09*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,443.29	282.25
		For Class 52 Rating, Deduct	*-331.72*	
		For Class 54 Rating, Add	*457.48*	
		For Class 55 Rating, Add	*682.75*	
		For Class 56 Rating, Add	*905.01*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,561.73	284.87
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*474.70*	
		For Class 55 Rating, Add	*708.37*	
		For Class 56 Rating, Add	*938.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,680.17	287.48
		For Class 52 Rating, Deduct	*-356.90*	
		For Class 54 Rating, Add	*491.92*	
		For Class 55 Rating, Add	*734.00*	
		For Class 56 Rating, Add	*972.83*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,798.61	290.10
		For Class 52 Rating, Deduct	*-369.50*	
		For Class 54 Rating, Add	*509.14*	
		For Class 55 Rating, Add	*759.62*	
		For Class 56 Rating, Add	*1,006.75*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,917.05	292.71
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*526.36*	
		For Class 55 Rating, Add	*785.25*	
		For Class 56 Rating, Add	*1,040.67*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,035.50	295.32
		For Class 52 Rating, Deduct	*-394.69*	
		For Class 54 Rating, Add	*543.58*	
		For Class 55 Rating, Add	*810.87*	
		For Class 56 Rating, Add	*1,074.58*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,153.95	297.94
		For Class 52 Rating, Deduct	*-407.28*	
		For Class 54 Rating, Add	*560.80*	
		For Class 55 Rating, Add	*836.50*	
		For Class 56 Rating, Add	*1,108.50*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,272.40	300.55
		For Class 52 Rating, Deduct	*-419.87*	
		For Class 54 Rating, Add	*578.02*	
		For Class 55 Rating, Add	*862.12*	
		For Class 56 Rating, Add	*1,142.41*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,390.84	303.16
		For Class 52 Rating, Deduct	*-432.47*	
		For Class 54 Rating, Add	*595.24*	
		For Class 55 Rating, Add	*887.75*	
		For Class 56 Rating, Add	*1,176.33*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,509.29	305.78
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*612.46*	
		For Class 55 Rating, Add	*913.37*	
		For Class 56 Rating, Add	*1,210.25*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,627.73	308.39
		For Class 52 Rating, Deduct	*-457.65*	
		For Class 54 Rating, Add	*629.68*	
		For Class 55 Rating, Add	*939.00*	
		For Class 56 Rating, Add	*1,244.16*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,746.17	311.00
		For Class 52 Rating, Deduct	*-470.24*	
		For Class 54 Rating, Add	*646.90*	
		For Class 55 Rating, Add	*964.62*	
		For Class 56 Rating, Add	*1,278.07*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,864.62	313.61
		For Class 52 Rating, Deduct	*-482.84*	
		For Class 54 Rating, Add	*664.12*	
		For Class 55 Rating, Add	*990.25*	
		For Class 56 Rating, Add	*1,311.99*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,983.06	316.23
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*681.34*	
		For Class 55 Rating, Add	*1,015.87*	
		For Class 56 Rating, Add	*1,345.91*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,101.51	318.85
		For Class 52 Rating, Deduct	*-508.03*	
		For Class 54 Rating, Add	*698.56*	
		For Class 55 Rating, Add	*1,041.50*	
		For Class 56 Rating, Add	*1,379.82*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,219.95	321.45
		For Class 52 Rating, Deduct	*-520.62*	
		For Class 54 Rating, Add	*715.78*	
		For Class 55 Rating, Add	*1,067.12*	
		For Class 56 Rating, Add	*1,413.74*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.40	324.07
		For Class 52 Rating, Deduct	*-533.21*	
		For Class 54 Rating, Add	*733.00*	
		For Class 55 Rating, Add	*1,092.75*	
		For Class 56 Rating, Add	*1,447.65*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,456.84	326.69
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*750.22*	
		For Class 55 Rating, Add	*1,118.37*	
		For Class 56 Rating, Add	*1,481.57*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,575.28	329.30
		For Class 52 Rating, Deduct	*-558.40*	
		For Class 54 Rating, Add	*767.44*	
		For Class 55 Rating, Add	*1,144.00*	
		For Class 56 Rating, Add	*1,515.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,693.72	331.91
		For Class 52 Rating, Deduct	*-570.99*	
		For Class 54 Rating, Add	*784.66*	
		For Class 55 Rating, Add	*1,169.62*	
		For Class 56 Rating, Add	*1,549.40*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,812.16	334.52
		For Class 52 Rating, Deduct	*-583.58*	
		For Class 54 Rating, Add	*801.88*	
		For Class 55 Rating, Add	*1,195.25*	
		For Class 56 Rating, Add	*1,583.31*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,930.61	337.14
		For Class 52 Rating, Deduct	*-596.18*	
		For Class 54 Rating, Add	*819.10*	
		For Class 55 Rating, Add	*1,220.87*	
		For Class 56 Rating, Add	*1,617.23*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,049.05	339.76
		For Class 52 Rating, Deduct	*-608.77*	
		For Class 54 Rating, Add	*836.32*	
		For Class 55 Rating, Add	*1,246.50*	
		For Class 56 Rating, Add	*1,651.14*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,963.01	292.71
		For Class 52 Rating, Deduct	*-167.15*	
		For Class 54 Rating, Add	*233.25*	
		For Class 55 Rating, Add	*349.50*	
		For Class 56 Rating, Add	*464.22*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,117.88	295.32
		For Class 52 Rating, Deduct	*-183.75*	
		For Class 54 Rating, Add	*255.93*	
		For Class 55 Rating, Add	*383.24*	
		For Class 56 Rating, Add	*508.89*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,272.76	297.94
		For Class 52 Rating, Deduct	*-200.35*	
		For Class 54 Rating, Add	*278.62*	
		For Class 55 Rating, Add	*416.99*	
		For Class 56 Rating, Add	*553.55*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,427.64	300.55
		For Class 52 Rating, Deduct	*-216.95*	
		For Class 54 Rating, Add	*301.30*	
		For Class 55 Rating, Add	*450.74*	
		For Class 56 Rating, Add	*598.21*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,582.51	303.16
		For Class 52 Rating, Deduct	*-233.55*	
		For Class 54 Rating, Add	*323.99*	
		For Class 55 Rating, Add	*484.49*	
		For Class 56 Rating, Add	*642.87*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,737.38	305.78
		For Class 52 Rating, Deduct	*-250.15*	
		For Class 54 Rating, Add	*346.67*	
		For Class 55 Rating, Add	*518.24*	
		For Class 56 Rating, Add	*687.53*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,892.25	308.39
		For Class 52 Rating, Deduct	*-266.75*	
		For Class 54 Rating, Add	*369.36*	
		For Class 55 Rating, Add	*551.99*	
		For Class 56 Rating, Add	*732.19*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,047.12	311.00
		For Class 52 Rating, Deduct	*-283.35*	
		For Class 54 Rating, Add	*392.04*	
		For Class 55 Rating, Add	*585.73*	
		For Class 56 Rating, Add	*776.85*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,201.99	313.61
		For Class 52 Rating, Deduct	*-299.95*	
		For Class 54 Rating, Add	*414.72*	
		For Class 55 Rating, Add	*619.48*	
		For Class 56 Rating, Add	*821.52*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,356.86	316.23
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*437.41*	
		For Class 55 Rating, Add	*653.23*	
		For Class 56 Rating, Add	*866.18*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.73	318.85
		For Class 52 Rating, Deduct	*-333.15*	
		For Class 54 Rating, Add	*460.09*	
		For Class 55 Rating, Add	*686.98*	
		For Class 56 Rating, Add	*910.84*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,666.61	321.45
		For Class 52 Rating, Deduct	*-349.75*	
		For Class 54 Rating, Add	*482.78*	
		For Class 55 Rating, Add	*720.73*	
		For Class 56 Rating, Add	*955.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.48	324.07
		For Class 52 Rating, Deduct	*-366.35*	
		For Class 54 Rating, Add	*505.46*	
		For Class 55 Rating, Add	*754.48*	
		For Class 56 Rating, Add	*1,000.16*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,976.35	326.69
		For Class 52 Rating, Deduct	*-382.95*	
		For Class 54 Rating, Add	*528.15*	
		For Class 55 Rating, Add	*788.23*	
		For Class 56 Rating, Add	*1,044.82*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,131.21	329.30
		For Class 52 Rating, Deduct	*-399.55*	
		For Class 54 Rating, Add	*550.83*	
		For Class 55 Rating, Add	*821.97*	
		For Class 56 Rating, Add	*1,089.48*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,286.08	331.91
		For Class 52 Rating, Deduct	*-416.15*	
		For Class 54 Rating, Add	*573.51*	
		For Class 55 Rating, Add	*855.72*	
		For Class 56 Rating, Add	*1,134.15*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,440.95	334.52
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*596.20*	
		For Class 55 Rating, Add	*889.47*	
		For Class 56 Rating, Add	*1,178.81*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,595.82	337.14
		For Class 52 Rating, Deduct	*-449.35*	
		For Class 54 Rating, Add	*618.88*	
		For Class 55 Rating, Add	*923.22*	
		For Class 56 Rating, Add	*1,223.47*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.70	339.76
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*641.57*	
		For Class 55 Rating, Add	*956.97*	
		For Class 56 Rating, Add	*1,268.13*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,905.57	342.36
		For Class 52 Rating, Deduct	*-482.55*	
		For Class 54 Rating, Add	*664.25*	
		For Class 55 Rating, Add	*990.71*	
		For Class 56 Rating, Add	*1,312.79*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,060.44	344.98
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*686.93*	
		For Class 55 Rating, Add	*1,024.46*	
		For Class 56 Rating, Add	*1,357.45*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.31	347.59
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*709.62*	
		For Class 55 Rating, Add	*1,058.21*	
		For Class 56 Rating, Add	*1,402.11*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,370.19	350.21
		For Class 52 Rating, Deduct	*-532.35*	
		For Class 54 Rating, Add	*732.30*	
		For Class 55 Rating, Add	*1,091.96*	
		For Class 56 Rating, Add	*1,446.78*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,525.06	352.82
		For Class 52 Rating, Deduct	*-548.95*	
		For Class 54 Rating, Add	*754.99*	
		For Class 55 Rating, Add	*1,125.71*	
		For Class 56 Rating, Add	*1,491.44*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,679.93	355.43
		For Class 52 Rating, Deduct	*-565.55*	
		For Class 54 Rating, Add	*777.67*	
		For Class 55 Rating, Add	*1,159.45*	
		For Class 56 Rating, Add	*1,536.10*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,834.81	358.05
		For Class 52 Rating, Deduct	*-582.15*	
		For Class 54 Rating, Add	*800.36*	
		For Class 55 Rating, Add	*1,193.21*	
		For Class 56 Rating, Add	*1,580.76*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,989.68	360.65
		For Class 52 Rating, Deduct	*-598.75*	
		For Class 54 Rating, Add	*823.04*	
		For Class 55 Rating, Add	*1,226.95*	
		For Class 56 Rating, Add	*1,625.42*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,144.55	363.27
		For Class 52 Rating, Deduct	*-615.35*	
		For Class 54 Rating, Add	*845.72*	
		For Class 55 Rating, Add	*1,260.70*	
		For Class 56 Rating, Add	*1,670.08*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,299.42	365.89
		For Class 52 Rating, Deduct	*-631.95*	
		For Class 54 Rating, Add	*868.41*	
		For Class 55 Rating, Add	*1,294.45*	
		For Class 56 Rating, Add	*1,714.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,454.28	368.50
		For Class 52 Rating, Deduct	*-648.55*	
		For Class 54 Rating, Add	*891.09*	
		For Class 55 Rating, Add	*1,328.20*	
		For Class 56 Rating, Add	*1,759.41*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,609.15	371.11
		For Class 52 Rating, Deduct	*-665.15*	
		For Class 54 Rating, Add	*913.78*	
		For Class 55 Rating, Add	*1,361.94*	
		For Class 56 Rating, Add	*1,804.07*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,761.42	373.73
		For Class 52 Rating, Deduct	*-681.47*	
		For Class 54 Rating, Add	*936.07*	
		For Class 55 Rating, Add	*1,395.11*	
		For Class 56 Rating, Add	*1,847.96*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,918.89	376.34
		For Class 52 Rating, Deduct	*-698.35*	
		For Class 54 Rating, Add	*959.14*	
		For Class 55 Rating, Add	*1,429.44*	
		For Class 56 Rating, Add	*1,893.39*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,073.77	378.96
		For Class 52 Rating, Deduct	*-714.96*	
		For Class 54 Rating, Add	*981.83*	
		For Class 55 Rating, Add	*1,463.19*	
		For Class 56 Rating, Add	*1,938.05*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,228.64	381.56
		For Class 52 Rating, Deduct	*-731.56*	
		For Class 54 Rating, Add	*1,004.51*	
		For Class 55 Rating, Add	*1,496.94*	
		For Class 56 Rating, Add	*1,982.71*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,383.51	384.18
		For Class 52 Rating, Deduct	*-748.16*	
		For Class 54 Rating, Add	*1,027.20*	
		For Class 55 Rating, Add	*1,530.69*	
		For Class 56 Rating, Add	*2,027.37*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,538.38	386.80
		For Class 52 Rating, Deduct	*-764.76*	
		For Class 54 Rating, Add	*1,049.88*	
		For Class 55 Rating, Add	*1,564.43*	
		For Class 56 Rating, Add	*2,072.04*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,693.25	389.41
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,072.57*	
		For Class 55 Rating, Add	*1,598.18*	
		For Class 56 Rating, Add	*2,116.70*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,848.12	392.02
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,095.25*	
		For Class 55 Rating, Add	*1,631.93*	
		For Class 56 Rating, Add	*2,161.36*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.08	365.89
		For Class 52 Rating, Deduct	*-223.82*	
		For Class 54 Rating, Add	*311.86*	
		For Class 55 Rating, Add	*467.04*	
		For Class 56 Rating, Add	*620.19*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.97	368.50
		For Class 52 Rating, Deduct	*-244.71*	
		For Class 54 Rating, Add	*340.40*	
		For Class 55 Rating, Add	*509.49*	
		For Class 56 Rating, Add	*676.37*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.87	371.11
		For Class 52 Rating, Deduct	*-265.60*	
		For Class 54 Rating, Add	*368.93*	
		For Class 55 Rating, Add	*551.95*	
		For Class 56 Rating, Add	*732.54*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.77	373.73
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*397.47*	
		For Class 55 Rating, Add	*594.40*	
		For Class 56 Rating, Add	*788.72*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,364.67	376.34
		For Class 52 Rating, Deduct	*-307.39*	
		For Class 54 Rating, Add	*426.01*	
		For Class 55 Rating, Add	*636.85*	
		For Class 56 Rating, Add	*844.89*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,558.57	378.96
		For Class 52 Rating, Deduct	*-328.28*	
		For Class 54 Rating, Add	*454.55*	
		For Class 55 Rating, Add	*679.30*	
		For Class 56 Rating, Add	*901.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,752.47	381.56
		For Class 52 Rating, Deduct	*-349.18*	
		For Class 54 Rating, Add	*483.09*	
		For Class 55 Rating, Add	*721.75*	
		For Class 56 Rating, Add	*957.24*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,946.37	384.18
		For Class 52 Rating, Deduct	*-370.07*	
		For Class 54 Rating, Add	*511.63*	
		For Class 55 Rating, Add	*764.20*	
		For Class 56 Rating, Add	*1,013.42*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,140.27	386.80
		For Class 52 Rating, Deduct	*-390.96*	
		For Class 54 Rating, Add	*540.17*	
		For Class 55 Rating, Add	*806.66*	
		For Class 56 Rating, Add	*1,069.59*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,334.17	389.41
		For Class 52 Rating, Deduct	*-411.86*	
		For Class 54 Rating, Add	*568.70*	
		For Class 55 Rating, Add	*849.11*	
		For Class 56 Rating, Add	*1,125.77*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,528.07	392.02
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*597.24*	
		For Class 55 Rating, Add	*891.56*	
		For Class 56 Rating, Add	*1,181.94*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,721.97	394.63
		For Class 52 Rating, Deduct	*-453.64*	
		For Class 54 Rating, Add	*625.78*	
		For Class 55 Rating, Add	*934.01*	
		For Class 56 Rating, Add	*1,238.12*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,915.87	397.25
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*654.32*	
		For Class 55 Rating, Add	*976.46*	
		For Class 56 Rating, Add	*1,294.29*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,109.77	399.87
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*682.86*	
		For Class 55 Rating, Add	*1,018.91*	
		For Class 56 Rating, Add	*1,350.47*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.67	402.47
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*711.40*	
		For Class 55 Rating, Add	*1,061.37*	
		For Class 56 Rating, Add	*1,406.64*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,497.57	405.09
		For Class 52 Rating, Deduct	*-537.22*	
		For Class 54 Rating, Add	*739.94*	
		For Class 55 Rating, Add	*1,103.82*	
		For Class 56 Rating, Add	*1,462.82*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,691.47	407.70
		For Class 52 Rating, Deduct	*-558.11*	
		For Class 54 Rating, Add	*768.47*	
		For Class 55 Rating, Add	*1,146.27*	
		For Class 56 Rating, Add	*1,518.99*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,885.37	410.31
		For Class 52 Rating, Deduct	*-579.00*	
		For Class 54 Rating, Add	*797.01*	
		For Class 55 Rating, Add	*1,188.72*	
		For Class 56 Rating, Add	*1,575.17*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,079.27	412.93
		For Class 52 Rating, Deduct	*-599.90*	
		For Class 54 Rating, Add	*825.55*	
		For Class 55 Rating, Add	*1,231.17*	
		For Class 56 Rating, Add	*1,631.34*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,273.17	415.54
		For Class 52 Rating, Deduct	*-620.79*	
		For Class 54 Rating, Add	*854.09*	
		For Class 55 Rating, Add	*1,273.62*	
		For Class 56 Rating, Add	*1,687.52*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,467.07	418.16
		For Class 52 Rating, Deduct	*-641.69*	
		For Class 54 Rating, Add	*882.63*	
		For Class 55 Rating, Add	*1,316.08*	
		For Class 56 Rating, Add	*1,743.69*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,660.97	420.77
		For Class 52 Rating, Deduct	*-662.58*	
		For Class 54 Rating, Add	*911.17*	
		For Class 55 Rating, Add	*1,358.53*	
		For Class 56 Rating, Add	*1,799.87*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,854.87	423.38
		For Class 52 Rating, Deduct	*-683.47*	
		For Class 54 Rating, Add	*939.70*	
		For Class 55 Rating, Add	*1,400.98*	
		For Class 56 Rating, Add	*1,856.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,048.78	426.00
		For Class 52 Rating, Deduct	*-704.37*	
		For Class 54 Rating, Add	*968.24*	
		For Class 55 Rating, Add	*1,443.43*	
		For Class 56 Rating, Add	*1,912.22*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,242.68	428.61
		For Class 52 Rating, Deduct	*-725.26*	
		For Class 54 Rating, Add	*996.78*	
		For Class 55 Rating, Add	*1,485.89*	
		For Class 56 Rating, Add	*1,968.39*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,436.58	431.22
		For Class 52 Rating, Deduct	*-746.15*	
		For Class 54 Rating, Add	*1,025.32*	
		For Class 55 Rating, Add	*1,528.34*	
		For Class 56 Rating, Add	*2,024.57*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,630.48	433.84
		For Class 52 Rating, Deduct	*-767.05*	
		For Class 54 Rating, Add	*1,053.86*	
		For Class 55 Rating, Add	*1,570.79*	
		For Class 56 Rating, Add	*2,080.74*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,824.38	436.45
		For Class 52 Rating, Deduct	*-787.94*	
		For Class 54 Rating, Add	*1,082.40*	
		For Class 55 Rating, Add	*1,613.24*	
		For Class 56 Rating, Add	*2,136.92*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,018.28	439.07
		For Class 52 Rating, Deduct	*-808.83*	
		For Class 54 Rating, Add	*1,110.94*	
		For Class 55 Rating, Add	*1,655.69*	
		For Class 56 Rating, Add	*2,193.09*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,212.18	441.67
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,139.48*	
		For Class 55 Rating, Add	*1,698.14*	
		For Class 56 Rating, Add	*2,249.27*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.07	444.29
		For Class 52 Rating, Deduct	*-850.62*	
		For Class 54 Rating, Add	*1,168.01*	
		For Class 55 Rating, Add	*1,740.59*	
		For Class 56 Rating, Add	*2,305.44*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,599.97	446.91
		For Class 52 Rating, Deduct	*-871.51*	
		For Class 54 Rating, Add	*1,196.55*	
		For Class 55 Rating, Add	*1,783.05*	
		For Class 56 Rating, Add	*2,361.62*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,793.87	449.51
		For Class 52 Rating, Deduct	*-892.41*	
		For Class 54 Rating, Add	*1,225.09*	
		For Class 55 Rating, Add	*1,825.50*	
		For Class 56 Rating, Add	*2,417.79*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,987.77	452.13
		For Class 52 Rating, Deduct	*-913.30*	
		For Class 54 Rating, Add	*1,253.63*	
		For Class 55 Rating, Add	*1,867.95*	
		For Class 56 Rating, Add	*2,473.97*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,181.67	454.74
		For Class 52 Rating, Deduct	*-934.19*	
		For Class 54 Rating, Add	*1,282.17*	
		For Class 55 Rating, Add	*1,910.40*	
		For Class 56 Rating, Add	*2,530.14*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,375.58	457.36
		For Class 52 Rating, Deduct	*-955.09*	
		For Class 54 Rating, Add	*1,310.71*	
		For Class 55 Rating, Add	*1,952.85*	
		For Class 56 Rating, Add	*2,586.32*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,569.48	459.97
		For Class 52 Rating, Deduct	*-975.98*	
		For Class 54 Rating, Add	*1,339.25*	
		For Class 55 Rating, Add	*1,995.30*	
		For Class 56 Rating, Add	*2,642.49*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,763.38	462.58
		For Class 52 Rating, Deduct	*-996.87*	
		For Class 54 Rating, Add	*1,367.78*	
		For Class 55 Rating, Add	*2,037.76*	
		For Class 56 Rating, Add	*2,698.67*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,957.28	465.20
		For Class 52 Rating, Deduct	*-1,017.77*	
		For Class 54 Rating, Add	*1,396.32*	
		For Class 55 Rating, Add	*2,080.21*	
		For Class 56 Rating, Add	*2,754.84*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,514.35	439.07
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*435.35*	
		For Class 55 Rating, Add	*651.32*	
		For Class 56 Rating, Add	*864.43*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,749.88	441.67
		For Class 52 Rating, Deduct	*-338.87*	
		For Class 54 Rating, Add	*470.13*	
		For Class 55 Rating, Add	*703.05*	
		For Class 56 Rating, Add	*932.89*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,985.40	444.29
		For Class 52 Rating, Deduct	*-364.35*	
		For Class 54 Rating, Add	*504.91*	
		For Class 55 Rating, Add	*754.79*	
		For Class 56 Rating, Add	*1,001.34*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,220.94	446.91
		For Class 52 Rating, Deduct	*-389.82*	
		For Class 54 Rating, Add	*539.70*	
		For Class 55 Rating, Add	*806.52*	
		For Class 56 Rating, Add	*1,069.80*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,456.47	449.51
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*574.48*	
		For Class 55 Rating, Add	*858.26*	
		For Class 56 Rating, Add	*1,138.26*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,692.00	452.13
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*609.26*	
		For Class 55 Rating, Add	*909.99*	
		For Class 56 Rating, Add	*1,206.71*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,927.53	454.74
		For Class 52 Rating, Deduct	*-466.24*	
		For Class 54 Rating, Add	*644.05*	
		For Class 55 Rating, Add	*961.73*	
		For Class 56 Rating, Add	*1,275.17*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,163.07	457.36
		For Class 52 Rating, Deduct	*-491.71*	
		For Class 54 Rating, Add	*678.83*	
		For Class 55 Rating, Add	*1,013.46*	
		For Class 56 Rating, Add	*1,343.63*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,398.60	459.97
		For Class 52 Rating, Deduct	*-517.18*	
		For Class 54 Rating, Add	*713.61*	
		For Class 55 Rating, Add	*1,065.20*	
		For Class 56 Rating, Add	*1,412.08*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,634.13	462.58
		For Class 52 Rating, Deduct	*-542.66*	
		For Class 54 Rating, Add	*748.40*	
		For Class 55 Rating, Add	*1,116.93*	
		For Class 56 Rating, Add	*1,480.54*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,869.66	465.20
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*783.18*	
		For Class 55 Rating, Add	*1,168.67*	
		For Class 56 Rating, Add	*1,548.99*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,105.19	467.82
		For Class 52 Rating, Deduct	*-593.60*	
		For Class 54 Rating, Add	*817.96*	
		For Class 55 Rating, Add	*1,220.40*	
		For Class 56 Rating, Add	*1,617.45*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,340.72	470.42
		For Class 52 Rating, Deduct	*-619.07*	
		For Class 54 Rating, Add	*852.75*	
		For Class 55 Rating, Add	*1,272.14*	
		For Class 56 Rating, Add	*1,685.90*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,576.25	473.04
		For Class 52 Rating, Deduct	*-644.55*	
		For Class 54 Rating, Add	*887.53*	
		For Class 55 Rating, Add	*1,323.87*	
		For Class 56 Rating, Add	*1,754.36*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,811.78	475.65
		For Class 52 Rating, Deduct	*-670.02*	
		For Class 54 Rating, Add	*922.31*	
		For Class 55 Rating, Add	*1,375.61*	
		For Class 56 Rating, Add	*1,822.82*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,047.32	478.27
		For Class 52 Rating, Deduct	*-695.49*	
		For Class 54 Rating, Add	*957.10*	
		For Class 55 Rating, Add	*1,427.35*	
		For Class 56 Rating, Add	*1,891.28*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,282.85	480.88
		For Class 52 Rating, Deduct	*-720.97*	
		For Class 54 Rating, Add	*991.88*	
		For Class 55 Rating, Add	*1,479.08*	
		For Class 56 Rating, Add	*1,959.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,518.37	483.49
		For Class 52 Rating, Deduct	*-746.44*	
		For Class 54 Rating, Add	*1,026.66*	
		For Class 55 Rating, Add	*1,530.82*	
		For Class 56 Rating, Add	*2,028.19*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,753.90	486.11
		For Class 52 Rating, Deduct	*-771.91*	
		For Class 54 Rating, Add	*1,061.45*	
		For Class 55 Rating, Add	*1,582.55*	
		For Class 56 Rating, Add	*2,096.64*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,989.43	488.71
		For Class 52 Rating, Deduct	*-797.38*	
		For Class 54 Rating, Add	*1,096.23*	
		For Class 55 Rating, Add	*1,634.29*	
		For Class 56 Rating, Add	*2,165.10*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,224.96	491.33
		For Class 52 Rating, Deduct	*-822.86*	
		For Class 54 Rating, Add	*1,131.01*	
		For Class 55 Rating, Add	*1,686.02*	
		For Class 56 Rating, Add	*2,233.55*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,460.49	493.95
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,165.79*	
		For Class 55 Rating, Add	*1,737.76*	
		For Class 56 Rating, Add	*2,302.01*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,696.02	496.56
		For Class 52 Rating, Deduct	*-873.80*	
		For Class 54 Rating, Add	*1,200.58*	
		For Class 55 Rating, Add	*1,789.49*	
		For Class 56 Rating, Add	*2,370.46*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,931.55	499.17
		For Class 52 Rating, Deduct	*-899.28*	
		For Class 54 Rating, Add	*1,235.36*	
		For Class 55 Rating, Add	*1,841.23*	
		For Class 56 Rating, Add	*2,438.92*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,167.08	501.79
		For Class 52 Rating, Deduct	*-924.75*	
		For Class 54 Rating, Add	*1,270.14*	
		For Class 55 Rating, Add	*1,892.96*	
		For Class 56 Rating, Add	*2,507.38*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,402.61	504.40
		For Class 52 Rating, Deduct	*-950.22*	
		For Class 54 Rating, Add	*1,304.93*	
		For Class 55 Rating, Add	*1,944.70*	
		For Class 56 Rating, Add	*2,575.83*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,638.15	507.02
		For Class 52 Rating, Deduct	*-975.69*	
		For Class 54 Rating, Add	*1,339.71*	
		For Class 55 Rating, Add	*1,996.44*	
		For Class 56 Rating, Add	*2,644.29*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,873.68	509.62
		For Class 52 Rating, Deduct	*-1,001.17*	
		For Class 54 Rating, Add	*1,374.49*	
		For Class 55 Rating, Add	*2,048.17*	
		For Class 56 Rating, Add	*2,712.75*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,109.22	512.24
		For Class 52 Rating, Deduct	*-1,026.64*	
		For Class 54 Rating, Add	*1,409.28*	
		For Class 55 Rating, Add	*2,099.91*	
		For Class 56 Rating, Add	*2,781.20*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,344.75	514.86
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,444.06*	
		For Class 55 Rating, Add	*2,151.64*	
		For Class 56 Rating, Add	*2,849.66*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,580.28	517.47
		For Class 52 Rating, Deduct	*-1,077.59*	
		For Class 54 Rating, Add	*1,478.84*	
		For Class 55 Rating, Add	*2,203.38*	
		For Class 56 Rating, Add	*2,918.11*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,815.81	520.08
		For Class 52 Rating, Deduct	*-1,103.06*	
		For Class 54 Rating, Add	*1,513.63*	
		For Class 55 Rating, Add	*2,255.11*	
		For Class 56 Rating, Add	*2,986.57*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,051.33	522.69
		For Class 52 Rating, Deduct	*-1,128.53*	
		For Class 54 Rating, Add	*1,548.41*	
		For Class 55 Rating, Add	*2,306.85*	
		For Class 56 Rating, Add	*3,055.02*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,286.86	525.31
		For Class 52 Rating, Deduct	*-1,154.00*	
		For Class 54 Rating, Add	*1,583.19*	
		For Class 55 Rating, Add	*2,358.58*	
		For Class 56 Rating, Add	*3,123.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,522.39	527.93
		For Class 52 Rating, Deduct	*-1,179.48*	
		For Class 54 Rating, Add	*1,617.98*	
		For Class 55 Rating, Add	*2,410.32*	
		For Class 56 Rating, Add	*3,191.94*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,757.92	530.53
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,652.76*	
		For Class 55 Rating, Add	*2,462.05*	
		For Class 56 Rating, Add	*3,260.39*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,993.45	533.15
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,687.54*	
		For Class 55 Rating, Add	*2,513.79*	
		For Class 56 Rating, Add	*3,328.85*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,228.98	535.76
		For Class 52 Rating, Deduct	*-1,255.89*	
		For Class 54 Rating, Add	*1,722.32*	
		For Class 55 Rating, Add	*2,565.52*	
		For Class 56 Rating, Add	*3,397.30*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,137.57	501.79
		For Class 52 Rating, Deduct	*-371.50*	
		For Class 54 Rating, Add	*515.72*	
		For Class 55 Rating, Add	*771.38*	
		For Class 56 Rating, Add	*1,023.67*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,412.13	504.40
		For Class 52 Rating, Deduct	*-401.27*	
		For Class 54 Rating, Add	*556.35*	
		For Class 55 Rating, Add	*831.82*	
		For Class 56 Rating, Add	*1,103.64*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,686.69	507.02
		For Class 52 Rating, Deduct	*-431.03*	
		For Class 54 Rating, Add	*596.99*	
		For Class 55 Rating, Add	*892.26*	
		For Class 56 Rating, Add	*1,183.61*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,961.25	509.62
		For Class 52 Rating, Deduct	*-460.80*	
		For Class 54 Rating, Add	*637.63*	
		For Class 55 Rating, Add	*952.70*	
		For Class 56 Rating, Add	*1,263.58*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,235.82	512.24
		For Class 52 Rating, Deduct	*-490.57*	
		For Class 54 Rating, Add	*678.27*	
		For Class 55 Rating, Add	*1,013.14*	
		For Class 56 Rating, Add	*1,343.55*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,510.38	514.86
		For Class 52 Rating, Deduct	*-520.33*	
		For Class 54 Rating, Add	*718.90*	
		For Class 55 Rating, Add	*1,073.58*	
		For Class 56 Rating, Add	*1,423.52*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,784.94	517.47
		For Class 52 Rating, Deduct	*-550.10*	
		For Class 54 Rating, Add	*759.54*	
		For Class 55 Rating, Add	*1,134.02*	
		For Class 56 Rating, Add	*1,503.49*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,059.50	520.08
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*800.18*	
		For Class 55 Rating, Add	*1,194.45*	
		For Class 56 Rating, Add	*1,583.46*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,334.05	522.69
		For Class 52 Rating, Deduct	*-609.63*	
		For Class 54 Rating, Add	*840.82*	
		For Class 55 Rating, Add	*1,254.89*	
		For Class 56 Rating, Add	*1,663.43*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,608.61	525.31
		For Class 52 Rating, Deduct	*-639.40*	
		For Class 54 Rating, Add	*881.45*	
		For Class 55 Rating, Add	*1,315.33*	
		For Class 56 Rating, Add	*1,743.40*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,883.17	527.93
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*922.09*	
		For Class 55 Rating, Add	*1,375.77*	
		For Class 56 Rating, Add	*1,823.37*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,157.73	530.53
		For Class 52 Rating, Deduct	*-698.93*	
		For Class 54 Rating, Add	*962.73*	
		For Class 55 Rating, Add	*1,436.21*	
		For Class 56 Rating, Add	*1,903.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,432.29	533.15
		For Class 52 Rating, Deduct	*-728.69*	
		For Class 54 Rating, Add	*1,003.37*	
		For Class 55 Rating, Add	*1,496.65*	
		For Class 56 Rating, Add	*1,983.31*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,706.85	535.76
		For Class 52 Rating, Deduct	*-758.46*	
		For Class 54 Rating, Add	*1,044.00*	
		For Class 55 Rating, Add	*1,557.09*	
		For Class 56 Rating, Add	*2,063.27*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,981.41	538.37
		For Class 52 Rating, Deduct	*-788.23*	
		For Class 54 Rating, Add	*1,084.64*	
		For Class 55 Rating, Add	*1,617.53*	
		For Class 56 Rating, Add	*2,143.24*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,255.97	540.99
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,125.28*	
		For Class 55 Rating, Add	*1,677.96*	
		For Class 56 Rating, Add	*2,223.21*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,530.53	543.60
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,165.92*	
		For Class 55 Rating, Add	*1,738.40*	
		For Class 56 Rating, Add	*2,303.18*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,805.09	546.22
		For Class 52 Rating, Deduct	*-877.52*	
		For Class 54 Rating, Add	*1,206.55*	
		For Class 55 Rating, Add	*1,798.84*	
		For Class 56 Rating, Add	*2,383.15*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,079.65	548.83
		For Class 52 Rating, Deduct	*-907.29*	
		For Class 54 Rating, Add	*1,247.19*	
		For Class 55 Rating, Add	*1,859.28*	
		For Class 56 Rating, Add	*2,463.12*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,354.21	551.44
		For Class 52 Rating, Deduct	*-937.06*	
		For Class 54 Rating, Add	*1,287.83*	
		For Class 55 Rating, Add	*1,919.72*	
		For Class 56 Rating, Add	*2,543.09*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,628.77	554.06
		For Class 52 Rating, Deduct	*-966.82*	
		For Class 54 Rating, Add	*1,328.47*	
		For Class 55 Rating, Add	*1,980.16*	
		For Class 56 Rating, Add	*2,623.06*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,903.33	556.67
		For Class 52 Rating, Deduct	*-996.59*	
		For Class 54 Rating, Add	*1,369.10*	
		For Class 55 Rating, Add	*2,040.60*	
		For Class 56 Rating, Add	*2,703.03*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,177.89	559.28
		For Class 52 Rating, Deduct	*-1,026.35*	
		For Class 54 Rating, Add	*1,409.74*	
		For Class 55 Rating, Add	*2,101.04*	
		For Class 56 Rating, Add	*2,783.00*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,452.43	561.90
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,450.38*	
		For Class 55 Rating, Add	*2,161.47*	
		For Class 56 Rating, Add	*2,862.97*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,726.99	564.51
		For Class 52 Rating, Deduct	*-1,085.88*	
		For Class 54 Rating, Add	*1,491.02*	
		For Class 55 Rating, Add	*2,221.91*	
		For Class 56 Rating, Add	*2,942.94*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,001.56	567.13
		For Class 52 Rating, Deduct	*-1,115.65*	
		For Class 54 Rating, Add	*1,531.65*	
		For Class 55 Rating, Add	*2,282.35*	
		For Class 56 Rating, Add	*3,022.91*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,276.12	569.73
		For Class 52 Rating, Deduct	*-1,145.42*	
		For Class 54 Rating, Add	*1,572.29*	
		For Class 55 Rating, Add	*2,342.79*	
		For Class 56 Rating, Add	*3,102.88*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,550.68	572.35
		For Class 52 Rating, Deduct	*-1,175.18*	
		For Class 54 Rating, Add	*1,612.93*	
		For Class 55 Rating, Add	*2,403.23*	
		For Class 56 Rating, Add	*3,182.85*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,825.24	574.97
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,653.57*	
		For Class 55 Rating, Add	*2,463.67*	
		For Class 56 Rating, Add	*3,262.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,099.80	577.58
		For Class 52 Rating, Deduct	*-1,234.71*	
		For Class 54 Rating, Add	*1,694.20*	
		For Class 55 Rating, Add	*2,524.11*	
		For Class 56 Rating, Add	*3,342.78*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,374.36	580.19
		For Class 52 Rating, Deduct	*-1,264.48*	
		For Class 54 Rating, Add	*1,734.84*	
		For Class 55 Rating, Add	*2,584.55*	
		For Class 56 Rating, Add	*3,422.75*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,648.92	582.80
		For Class 52 Rating, Deduct	*-1,294.25*	
		For Class 54 Rating, Add	*1,775.48*	
		For Class 55 Rating, Add	*2,644.98*	
		For Class 56 Rating, Add	*3,502.72*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,923.48	585.42
		For Class 52 Rating, Deduct	*-1,324.01*	
		For Class 54 Rating, Add	*1,816.12*	
		For Class 55 Rating, Add	*2,705.42*	
		For Class 56 Rating, Add	*3,582.69*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,198.04	588.03
		For Class 52 Rating, Deduct	*-1,353.78*	
		For Class 54 Rating, Add	*1,856.75*	
		For Class 55 Rating, Add	*2,765.86*	
		For Class 56 Rating, Add	*3,662.66*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,472.60	590.64
		For Class 52 Rating, Deduct	*-1,383.54*	
		For Class 54 Rating, Add	*1,897.39*	
		For Class 55 Rating, Add	*2,826.30*	
		For Class 56 Rating, Add	*3,742.63*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,747.16	593.26
		For Class 52 Rating, Deduct	*-1,413.31*	
		For Class 54 Rating, Add	*1,938.03*	
		For Class 55 Rating, Add	*2,886.74*	
		For Class 56 Rating, Add	*3,822.60*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,021.72	595.88
		For Class 52 Rating, Deduct	*-1,443.08*	
		For Class 54 Rating, Add	*1,978.67*	
		For Class 55 Rating, Add	*2,947.18*	
		For Class 56 Rating, Add	*3,902.57*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,296.27	598.48
		For Class 52 Rating, Deduct	*-1,472.84*	
		For Class 54 Rating, Add	*2,019.30*	
		For Class 55 Rating, Add	*3,007.62*	
		For Class 56 Rating, Add	*3,982.54*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,837.85	565.56
		For Class 52 Rating, Deduct	*-437.90*	
		For Class 54 Rating, Add	*607.42*	
		For Class 55 Rating, Add	*908.32*	
		For Class 56 Rating, Add	*1,205.23*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.03	568.16
		For Class 52 Rating, Deduct	*-472.25*	
		For Class 54 Rating, Add	*654.31*	
		For Class 55 Rating, Add	*978.04*	
		For Class 56 Rating, Add	*1,297.48*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,470.22	570.78
		For Class 52 Rating, Deduct	*-506.59*	
		For Class 54 Rating, Add	*701.19*	
		For Class 55 Rating, Add	*1,047.76*	
		For Class 56 Rating, Add	*1,389.73*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,786.41	573.40
		For Class 52 Rating, Deduct	*-540.94*	
		For Class 54 Rating, Add	*748.07*	
		For Class 55 Rating, Add	*1,117.48*	
		For Class 56 Rating, Add	*1,481.98*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,102.60	576.01
		For Class 52 Rating, Deduct	*-575.28*	
		For Class 54 Rating, Add	*794.95*	
		For Class 55 Rating, Add	*1,187.20*	
		For Class 56 Rating, Add	*1,574.23*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,418.79	578.62
		For Class 52 Rating, Deduct	*-609.63*	
		For Class 54 Rating, Add	*841.83*	
		For Class 55 Rating, Add	*1,256.93*	
		For Class 56 Rating, Add	*1,666.48*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,734.98	581.24
		For Class 52 Rating, Deduct	*-643.98*	
		For Class 54 Rating, Add	*888.72*	
		For Class 55 Rating, Add	*1,326.65*	
		For Class 56 Rating, Add	*1,758.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,051.17	583.85
		For Class 52 Rating, Deduct	*-678.32*	
		For Class 54 Rating, Add	*935.60*	
		For Class 55 Rating, Add	*1,396.37*	
		For Class 56 Rating, Add	*1,850.98*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,367.36	586.47
		For Class 52 Rating, Deduct	*-712.67*	
		For Class 54 Rating, Add	*982.48*	
		For Class 55 Rating, Add	*1,466.09*	
		For Class 56 Rating, Add	*1,943.23*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,683.55	589.07
		For Class 52 Rating, Deduct	*-747.01*	
		For Class 54 Rating, Add	*1,029.36*	
		For Class 55 Rating, Add	*1,535.82*	
		For Class 56 Rating, Add	*2,035.48*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,999.74	591.69
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,076.24*	
		For Class 55 Rating, Add	*1,605.54*	
		For Class 56 Rating, Add	*2,127.73*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,315.93	594.31
		For Class 52 Rating, Deduct	*-815.70*	
		For Class 54 Rating, Add	*1,123.13*	
		For Class 55 Rating, Add	*1,675.26*	
		For Class 56 Rating, Add	*2,219.98*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,632.12	596.92
		For Class 52 Rating, Deduct	*-850.05*	
		For Class 54 Rating, Add	*1,170.01*	
		For Class 55 Rating, Add	*1,744.98*	
		For Class 56 Rating, Add	*2,312.23*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,948.31	599.53
		For Class 52 Rating, Deduct	*-884.39*	
		For Class 54 Rating, Add	*1,216.89*	
		For Class 55 Rating, Add	*1,814.71*	
		For Class 56 Rating, Add	*2,404.48*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,264.50	602.14
		For Class 52 Rating, Deduct	*-918.74*	
		For Class 54 Rating, Add	*1,263.77*	
		For Class 55 Rating, Add	*1,884.43*	
		For Class 56 Rating, Add	*2,496.73*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,580.69	604.76
		For Class 52 Rating, Deduct	*-953.08*	
		For Class 54 Rating, Add	*1,310.65*	
		For Class 55 Rating, Add	*1,954.15*	
		For Class 56 Rating, Add	*2,588.98*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,896.87	607.37
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,357.54*	
		For Class 55 Rating, Add	*2,023.87*	
		For Class 56 Rating, Add	*2,681.23*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,213.07	609.98
		For Class 52 Rating, Deduct	*-1,021.77*	
		For Class 54 Rating, Add	*1,404.42*	
		For Class 55 Rating, Add	*2,093.59*	
		For Class 56 Rating, Add	*2,773.48*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,529.26	612.60
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,451.30*	
		For Class 55 Rating, Add	*2,163.32*	
		For Class 56 Rating, Add	*2,865.73*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,845.46	615.21
		For Class 52 Rating, Deduct	*-1,090.47*	
		For Class 54 Rating, Add	*1,498.18*	
		For Class 55 Rating, Add	*2,233.04*	
		For Class 56 Rating, Add	*2,957.99*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,161.65	617.82
		For Class 52 Rating, Deduct	*-1,124.81*	
		For Class 54 Rating, Add	*1,545.07*	
		For Class 55 Rating, Add	*2,302.76*	
		For Class 56 Rating, Add	*3,050.24*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,477.84	620.44
		For Class 52 Rating, Deduct	*-1,159.16*	
		For Class 54 Rating, Add	*1,591.95*	
		For Class 55 Rating, Add	*2,372.49*	
		For Class 56 Rating, Add	*3,142.49*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,794.03	623.05
		For Class 52 Rating, Deduct	*-1,193.50*	
		For Class 54 Rating, Add	*1,638.83*	
		For Class 55 Rating, Add	*2,442.21*	
		For Class 56 Rating, Add	*3,234.74*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,110.22	625.67
		For Class 52 Rating, Deduct	*-1,227.85*	
		For Class 54 Rating, Add	*1,685.71*	
		For Class 55 Rating, Add	*2,511.93*	
		For Class 56 Rating, Add	*3,326.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,426.41	628.28
		For Class 52 Rating, Deduct	*-1,262.19*	
		For Class 54 Rating, Add	*1,732.59*	
		For Class 55 Rating, Add	*2,581.65*	
		For Class 56 Rating, Add	*3,419.24*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,742.60	630.89
		For Class 52 Rating, Deduct	*-1,296.54*	
		For Class 54 Rating, Add	*1,779.48*	
		For Class 55 Rating, Add	*2,651.38*	
		For Class 56 Rating, Add	*3,511.49*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,058.79	633.51
		For Class 52 Rating, Deduct	*-1,330.88*	
		For Class 54 Rating, Add	*1,826.36*	
		For Class 55 Rating, Add	*2,721.10*	
		For Class 56 Rating, Add	*3,603.74*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,374.98	636.12
		For Class 52 Rating, Deduct	*-1,365.23*	
		For Class 54 Rating, Add	*1,873.24*	
		For Class 55 Rating, Add	*2,790.82*	
		For Class 56 Rating, Add	*3,695.99*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,691.17	638.73
		For Class 52 Rating, Deduct	*-1,399.57*	
		For Class 54 Rating, Add	*1,920.12*	
		For Class 55 Rating, Add	*2,860.54*	
		For Class 56 Rating, Add	*3,788.24*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,007.36	641.35
		For Class 52 Rating, Deduct	*-1,433.92*	
		For Class 54 Rating, Add	*1,967.00*	
		For Class 55 Rating, Add	*2,930.27*	
		For Class 56 Rating, Add	*3,880.49*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,323.55	643.96
		For Class 52 Rating, Deduct	*-1,468.26*	
		For Class 54 Rating, Add	*2,013.89*	
		For Class 55 Rating, Add	*2,999.99*	
		For Class 56 Rating, Add	*3,972.74*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,639.73	646.58
		For Class 52 Rating, Deduct	*-1,502.61*	
		For Class 54 Rating, Add	*2,060.77*	
		For Class 55 Rating, Add	*3,069.71*	
		For Class 56 Rating, Add	*4,064.99*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,955.92	649.18
		For Class 52 Rating, Deduct	*-1,536.95*	
		For Class 54 Rating, Add	*2,107.65*	
		For Class 55 Rating, Add	*3,139.43*	
		For Class 56 Rating, Add	*4,157.24*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,272.11	651.80
		For Class 52 Rating, Deduct	*-1,571.30*	
		For Class 54 Rating, Add	*2,154.53*	
		For Class 55 Rating, Add	*3,209.15*	
		For Class 56 Rating, Add	*4,249.49*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,588.30	654.42
		For Class 52 Rating, Deduct	*-1,605.64*	
		For Class 54 Rating, Add	*2,201.41*	
		For Class 55 Rating, Add	*3,278.88*	
		For Class 56 Rating, Add	*4,341.74*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,904.49	657.02
		For Class 52 Rating, Deduct	*-1,639.99*	
		For Class 54 Rating, Add	*2,248.30*	
		For Class 55 Rating, Add	*3,348.60*	
		For Class 56 Rating, Add	*4,433.99*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,220.68	659.64
		For Class 52 Rating, Deduct	*-1,674.34*	
		For Class 54 Rating, Add	*2,295.18*	
		For Class 55 Rating, Add	*3,418.32*	
		For Class 56 Rating, Add	*4,526.24*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,536.88	662.25
		For Class 52 Rating, Deduct	*-1,708.68*	
		For Class 54 Rating, Add	*2,342.06*	
		For Class 55 Rating, Add	*3,488.04*	
		For Class 56 Rating, Add	*4,618.49*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.94	645.53
		For Class 52 Rating, Deduct	*-517.76*	
		For Class 54 Rating, Add	*717.77*	
		For Class 55 Rating, Add	*1,073.11*	
		For Class 56 Rating, Add	*1,423.74*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,047.97	648.14
		For Class 52 Rating, Deduct	*-557.25*	
		For Class 54 Rating, Add	*771.68*	
		For Class 55 Rating, Add	*1,153.27*	
		For Class 56 Rating, Add	*1,529.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,410.99	650.75
		For Class 52 Rating, Deduct	*-596.75*	
		For Class 54 Rating, Add	*825.58*	
		For Class 55 Rating, Add	*1,233.44*	
		For Class 56 Rating, Add	*1,635.87*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,774.02	653.37
		For Class 52 Rating, Deduct	*-636.25*	
		For Class 54 Rating, Add	*879.49*	
		For Class 55 Rating, Add	*1,313.61*	
		For Class 56 Rating, Add	*1,741.94*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,137.04	655.99
		For Class 52 Rating, Deduct	*-675.74*	
		For Class 54 Rating, Add	*933.40*	
		For Class 55 Rating, Add	*1,393.77*	
		For Class 56 Rating, Add	*1,848.00*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,500.07	658.59
		For Class 52 Rating, Deduct	*-715.24*	
		For Class 54 Rating, Add	*987.30*	
		For Class 55 Rating, Add	*1,473.94*	
		For Class 56 Rating, Add	*1,954.07*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,863.09	661.21
		For Class 52 Rating, Deduct	*-754.74*	
		For Class 54 Rating, Add	*1,041.21*	
		For Class 55 Rating, Add	*1,554.10*	
		For Class 56 Rating, Add	*2,060.14*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,226.12	663.82
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,095.12*	
		For Class 55 Rating, Add	*1,634.27*	
		For Class 56 Rating, Add	*2,166.21*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,589.14	666.43
		For Class 52 Rating, Deduct	*-833.73*	
		For Class 54 Rating, Add	*1,149.03*	
		For Class 55 Rating, Add	*1,714.44*	
		For Class 56 Rating, Add	*2,272.27*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,952.17	669.05
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,202.93*	
		For Class 55 Rating, Add	*1,794.61*	
		For Class 56 Rating, Add	*2,378.34*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.19	671.66
		For Class 52 Rating, Deduct	*-912.73*	
		For Class 54 Rating, Add	*1,256.84*	
		For Class 55 Rating, Add	*1,874.77*	
		For Class 56 Rating, Add	*2,484.40*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,678.23	674.28
		For Class 52 Rating, Deduct	*-952.22*	
		For Class 54 Rating, Add	*1,310.75*	
		For Class 55 Rating, Add	*1,954.94*	
		For Class 56 Rating, Add	*2,590.47*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,041.24	676.89
		For Class 52 Rating, Deduct	*-991.72*	
		For Class 54 Rating, Add	*1,364.65*	
		For Class 55 Rating, Add	*2,035.10*	
		For Class 56 Rating, Add	*2,696.54*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,404.27	679.50
		For Class 52 Rating, Deduct	*-1,031.22*	
		For Class 54 Rating, Add	*1,418.56*	
		For Class 55 Rating, Add	*2,115.27*	
		For Class 56 Rating, Add	*2,802.61*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,767.29	682.12
		For Class 52 Rating, Deduct	*-1,070.72*	
		For Class 54 Rating, Add	*1,472.47*	
		For Class 55 Rating, Add	*2,195.44*	
		For Class 56 Rating, Add	*2,908.67*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,130.32	684.73
		For Class 52 Rating, Deduct	*-1,110.21*	
		For Class 54 Rating, Add	*1,526.38*	
		For Class 55 Rating, Add	*2,275.60*	
		For Class 56 Rating, Add	*3,014.74*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,493.34	687.34
		For Class 52 Rating, Deduct	*-1,149.71*	
		For Class 54 Rating, Add	*1,580.28*	
		For Class 55 Rating, Add	*2,355.77*	
		For Class 56 Rating, Add	*3,120.80*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,856.37	689.96
		For Class 52 Rating, Deduct	*-1,189.21*	
		For Class 54 Rating, Add	*1,634.19*	
		For Class 55 Rating, Add	*2,435.94*	
		For Class 56 Rating, Add	*3,226.87*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,219.39	692.57
		For Class 52 Rating, Deduct	*-1,228.70*	
		For Class 54 Rating, Add	*1,688.10*	
		For Class 55 Rating, Add	*2,516.10*	
		For Class 56 Rating, Add	*3,332.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,582.42	695.19
		For Class 52 Rating, Deduct	*-1,268.20*	
		For Class 54 Rating, Add	*1,742.01*	
		For Class 55 Rating, Add	*2,596.27*	
		For Class 56 Rating, Add	*3,439.01*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,945.44	697.79
		For Class 52 Rating, Deduct	*-1,307.70*	
		For Class 54 Rating, Add	*1,795.91*	
		For Class 55 Rating, Add	*2,676.44*	
		For Class 56 Rating, Add	*3,545.07*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,308.47	700.41
		For Class 52 Rating, Deduct	*-1,347.20*	
		For Class 54 Rating, Add	*1,849.82*	
		For Class 55 Rating, Add	*2,756.60*	
		For Class 56 Rating, Add	*3,651.14*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,671.49	703.03
		For Class 52 Rating, Deduct	*-1,386.69*	
		For Class 54 Rating, Add	*1,903.73*	
		For Class 55 Rating, Add	*2,836.77*	
		For Class 56 Rating, Add	*3,757.21*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,034.52	705.64
		For Class 52 Rating, Deduct	*-1,426.19*	
		For Class 54 Rating, Add	*1,957.64*	
		For Class 55 Rating, Add	*2,916.94*	
		For Class 56 Rating, Add	*3,863.27*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,397.54	708.25
		For Class 52 Rating, Deduct	*-1,465.69*	
		For Class 54 Rating, Add	*2,011.54*	
		For Class 55 Rating, Add	*2,997.10*	
		For Class 56 Rating, Add	*3,969.34*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,760.57	710.86
		For Class 52 Rating, Deduct	*-1,505.19*	
		For Class 54 Rating, Add	*2,065.45*	
		For Class 55 Rating, Add	*3,077.27*	
		For Class 56 Rating, Add	*4,075.41*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,123.58	713.48
		For Class 52 Rating, Deduct	*-1,544.68*	
		For Class 54 Rating, Add	*2,119.36*	
		For Class 55 Rating, Add	*3,157.44*	
		For Class 56 Rating, Add	*4,181.47*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,486.61	716.09
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,173.26*	
		For Class 55 Rating, Add	*3,237.60*	
		For Class 56 Rating, Add	*4,287.54*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,849.63	718.70
		For Class 52 Rating, Deduct	*-1,623.68*	
		For Class 54 Rating, Add	*2,227.17*	
		For Class 55 Rating, Add	*3,317.77*	
		For Class 56 Rating, Add	*4,393.61*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,212.66	721.32
		For Class 52 Rating, Deduct	*-1,663.17*	
		For Class 54 Rating, Add	*2,281.08*	
		For Class 55 Rating, Add	*3,397.94*	
		For Class 56 Rating, Add	*4,499.67*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,575.68	723.94
		For Class 52 Rating, Deduct	*-1,702.67*	
		For Class 54 Rating, Add	*2,334.99*	
		For Class 55 Rating, Add	*3,478.10*	
		For Class 56 Rating, Add	*4,605.74*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,938.72	726.54
		For Class 52 Rating, Deduct	*-1,742.17*	
		For Class 54 Rating, Add	*2,388.89*	
		For Class 55 Rating, Add	*3,558.27*	
		For Class 56 Rating, Add	*4,711.81*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,301.74	729.16
		For Class 52 Rating, Deduct	*-1,781.66*	
		For Class 54 Rating, Add	*2,442.80*	
		For Class 55 Rating, Add	*3,638.43*	
		For Class 56 Rating, Add	*4,817.87*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,664.77	731.77
		For Class 52 Rating, Deduct	*-1,821.16*	
		For Class 54 Rating, Add	*2,496.71*	
		For Class 55 Rating, Add	*3,718.60*	
		For Class 56 Rating, Add	*4,923.94*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,027.79	734.39
		For Class 52 Rating, Deduct	*-1,860.66*	
		For Class 54 Rating, Add	*2,550.61*	
		For Class 55 Rating, Add	*3,798.77*	
		For Class 56 Rating, Add	*5,030.01*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,390.82	737.00
		For Class 52 Rating, Deduct	*-1,900.16*	
		For Class 54 Rating, Add	*2,604.52*	
		For Class 55 Rating, Add	*3,878.94*	
		For Class 56 Rating, Add	*5,136.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,753.84	739.61
		For Class 52 Rating, Deduct	*-1,939.65*	
		For Class 54 Rating, Add	*2,658.43*	
		For Class 55 Rating, Add	*3,959.10*	
		For Class 56 Rating, Add	*5,242.14*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,116.87	742.23
		For Class 52 Rating, Deduct	*-1,979.15*	
		For Class 54 Rating, Add	*2,712.34*	
		For Class 55 Rating, Add	*4,039.27*	
		For Class 56 Rating, Add	*5,348.21*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,031.40	763.14
		For Class 52 Rating, Deduct	*-646.27*	
		For Class 54 Rating, Add	*895.15*	
		For Class 55 Rating, Add	*1,337.91*	
		For Class 56 Rating, Add	*1,774.79*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,480.28	765.74
		For Class 52 Rating, Deduct	*-695.21*	
		For Class 54 Rating, Add	*961.93*	
		For Class 55 Rating, Add	*1,437.22*	
		For Class 56 Rating, Add	*1,906.19*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,929.17	768.36
		For Class 52 Rating, Deduct	*-744.15*	
		For Class 54 Rating, Add	*1,028.72*	
		For Class 55 Rating, Add	*1,536.53*	
		For Class 56 Rating, Add	*2,037.58*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,378.06	770.98
		For Class 52 Rating, Deduct	*-793.09*	
		For Class 54 Rating, Add	*1,095.51*	
		For Class 55 Rating, Add	*1,635.85*	
		For Class 56 Rating, Add	*2,168.98*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,826.95	773.59
		For Class 52 Rating, Deduct	*-842.03*	
		For Class 54 Rating, Add	*1,162.29*	
		For Class 55 Rating, Add	*1,735.16*	
		For Class 56 Rating, Add	*2,300.38*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,275.84	776.20
		For Class 52 Rating, Deduct	*-890.98*	
		For Class 54 Rating, Add	*1,229.08*	
		For Class 55 Rating, Add	*1,834.48*	
		For Class 56 Rating, Add	*2,431.77*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,724.73	778.81
		For Class 52 Rating, Deduct	*-939.92*	
		For Class 54 Rating, Add	*1,295.87*	
		For Class 55 Rating, Add	*1,933.79*	
		For Class 56 Rating, Add	*2,563.17*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,173.62	781.43
		For Class 52 Rating, Deduct	*-988.86*	
		For Class 54 Rating, Add	*1,362.65*	
		For Class 55 Rating, Add	*2,033.10*	
		For Class 56 Rating, Add	*2,694.56*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,622.51	784.05
		For Class 52 Rating, Deduct	*-1,037.80*	
		For Class 54 Rating, Add	*1,429.44*	
		For Class 55 Rating, Add	*2,132.42*	
		For Class 56 Rating, Add	*2,825.96*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,071.40	786.65
		For Class 52 Rating, Deduct	*-1,086.74*	
		For Class 54 Rating, Add	*1,496.23*	
		For Class 55 Rating, Add	*2,231.73*	
		For Class 56 Rating, Add	*2,957.36*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,520.29	789.27
		For Class 52 Rating, Deduct	*-1,135.69*	
		For Class 54 Rating, Add	*1,563.01*	
		For Class 55 Rating, Add	*2,331.05*	
		For Class 56 Rating, Add	*3,088.76*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,969.17	791.88
		For Class 52 Rating, Deduct	*-1,184.63*	
		For Class 54 Rating, Add	*1,629.80*	
		For Class 55 Rating, Add	*2,430.36*	
		For Class 56 Rating, Add	*3,220.15*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,418.06	794.50
		For Class 52 Rating, Deduct	*-1,233.57*	
		For Class 54 Rating, Add	*1,696.59*	
		For Class 55 Rating, Add	*2,529.68*	
		For Class 56 Rating, Add	*3,351.55*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,866.94	797.11
		For Class 52 Rating, Deduct	*-1,282.51*	
		For Class 54 Rating, Add	*1,763.37*	
		For Class 55 Rating, Add	*2,628.99*	
		For Class 56 Rating, Add	*3,482.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,315.83	799.72
		For Class 52 Rating, Deduct	*-1,331.45*	
		For Class 54 Rating, Add	*1,830.16*	
		For Class 55 Rating, Add	*2,728.30*	
		For Class 56 Rating, Add	*3,614.34*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,764.72	802.34
		For Class 52 Rating, Deduct	*-1,380.40*	
		For Class 54 Rating, Add	*1,896.95*	
		For Class 55 Rating, Add	*2,827.62*	
		For Class 56 Rating, Add	*3,745.74*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,213.61	804.95
		For Class 52 Rating, Deduct	*-1,429.34*	
		For Class 54 Rating, Add	*1,963.73*	
		For Class 55 Rating, Add	*2,926.93*	
		For Class 56 Rating, Add	*3,877.13*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,662.50	807.56
		For Class 52 Rating, Deduct	*-1,478.28*	
		For Class 54 Rating, Add	*2,030.52*	
		For Class 55 Rating, Add	*3,026.25*	
		For Class 56 Rating, Add	*4,008.53*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,111.39	810.18
		For Class 52 Rating, Deduct	*-1,527.22*	
		For Class 54 Rating, Add	*2,097.31*	
		For Class 55 Rating, Add	*3,125.56*	
		For Class 56 Rating, Add	*4,139.93*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,560.27	812.79
		For Class 52 Rating, Deduct	*-1,576.16*	
		For Class 54 Rating, Add	*2,164.09*	
		For Class 55 Rating, Add	*3,224.87*	
		For Class 56 Rating, Add	*4,271.32*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,009.16	815.40
		For Class 52 Rating, Deduct	*-1,625.11*	
		For Class 54 Rating, Add	*2,230.88*	
		For Class 55 Rating, Add	*3,324.19*	
		For Class 56 Rating, Add	*4,402.72*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,458.05	818.02
		For Class 52 Rating, Deduct	*-1,674.05*	
		For Class 54 Rating, Add	*2,297.67*	
		For Class 55 Rating, Add	*3,423.50*	
		For Class 56 Rating, Add	*4,534.11*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,906.94	820.63
		For Class 52 Rating, Deduct	*-1,722.99*	
		For Class 54 Rating, Add	*2,364.45*	
		For Class 55 Rating, Add	*3,522.82*	
		For Class 56 Rating, Add	*4,665.51*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,355.83	823.25
		For Class 52 Rating, Deduct	*-1,771.93*	
		For Class 54 Rating, Add	*2,431.24*	
		For Class 55 Rating, Add	*3,622.13*	
		For Class 56 Rating, Add	*4,796.91*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,804.72	825.85
		For Class 52 Rating, Deduct	*-1,820.88*	
		For Class 54 Rating, Add	*2,498.03*	
		For Class 55 Rating, Add	*3,721.44*	
		For Class 56 Rating, Add	*4,928.31*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,253.60	828.47
		For Class 52 Rating, Deduct	*-1,869.82*	
		For Class 54 Rating, Add	*2,564.81*	
		For Class 55 Rating, Add	*3,820.76*	
		For Class 56 Rating, Add	*5,059.70*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,702.48	831.09
		For Class 52 Rating, Deduct	*-1,918.76*	
		For Class 54 Rating, Add	*2,631.60*	
		For Class 55 Rating, Add	*3,920.07*	
		For Class 56 Rating, Add	*5,191.10*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,151.37	833.70
		For Class 52 Rating, Deduct	*-1,967.70*	
		For Class 54 Rating, Add	*2,698.39*	
		For Class 55 Rating, Add	*4,019.38*	
		For Class 56 Rating, Add	*5,322.49*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,600.27	836.31
		For Class 52 Rating, Deduct	*-2,016.64*	
		For Class 54 Rating, Add	*2,765.18*	
		For Class 55 Rating, Add	*4,118.70*	
		For Class 56 Rating, Add	*5,453.89*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,116.47	883.36
		For Class 52 Rating, Deduct	*-2,065.59*	
		For Class 54 Rating, Add	*2,832.77*	
		For Class 55 Rating, Add	*4,219.63*	
		For Class 56 Rating, Add	*5,587.71*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,565.35	885.96
		For Class 52 Rating, Deduct	*-2,114.53*	
		For Class 54 Rating, Add	*2,899.56*	
		For Class 55 Rating, Add	*4,318.94*	
		For Class 56 Rating, Add	*5,719.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,014.25	888.58
		For Class 52 Rating, Deduct	*-2,163.47*	
		For Class 54 Rating, Add	*2,966.34*	
		For Class 55 Rating, Add	*4,418.26*	
		For Class 56 Rating, Add	*5,850.50*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,463.14	891.20
		For Class 52 Rating, Deduct	*-2,212.41*	
		For Class 54 Rating, Add	*3,033.13*	
		For Class 55 Rating, Add	*4,517.57*	
		For Class 56 Rating, Add	*5,981.90*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,912.03	893.80
		For Class 52 Rating, Deduct	*-2,261.35*	
		For Class 54 Rating, Add	*3,099.92*	
		For Class 55 Rating, Add	*4,616.88*	
		For Class 56 Rating, Add	*6,113.30*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,360.92	896.42
		For Class 52 Rating, Deduct	*-2,310.30*	
		For Class 54 Rating, Add	*3,166.70*	
		For Class 55 Rating, Add	*4,716.20*	
		For Class 56 Rating, Add	*6,244.69*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,809.81	899.04
		For Class 52 Rating, Deduct	*-2,359.24*	
		For Class 54 Rating, Add	*3,233.49*	
		For Class 55 Rating, Add	*4,815.51*	
		For Class 56 Rating, Add	*6,376.09*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,258.69	901.65
		For Class 52 Rating, Deduct	*-2,408.18*	
		For Class 54 Rating, Add	*3,300.28*	
		For Class 55 Rating, Add	*4,914.83*	
		For Class 56 Rating, Add	*6,507.48*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,707.58	904.26
		For Class 52 Rating, Deduct	*-2,457.12*	
		For Class 54 Rating, Add	*3,367.06*	
		For Class 55 Rating, Add	*5,014.14*	
		For Class 56 Rating, Add	*6,638.88*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,972.33	1,076.75
		For Class 52 Rating, Deduct	*-1,027.50*	
		For Class 54 Rating, Add	*1,420.71*	
		For Class 55 Rating, Add	*2,122.17*	
		For Class 56 Rating, Add	*2,814.29*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,618.97	1,079.37
		For Class 52 Rating, Deduct	*-1,098.19*	
		For Class 54 Rating, Add	*1,517.16*	
		For Class 55 Rating, Add	*2,265.59*	
		For Class 56 Rating, Add	*3,004.03*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,265.60	1,081.97
		For Class 52 Rating, Deduct	*-1,168.89*	
		For Class 54 Rating, Add	*1,613.61*	
		For Class 55 Rating, Add	*2,409.00*	
		For Class 56 Rating, Add	*3,193.76*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,912.24	1,084.59
		For Class 52 Rating, Deduct	*-1,239.58*	
		For Class 54 Rating, Add	*1,710.06*	
		For Class 55 Rating, Add	*2,552.41*	
		For Class 56 Rating, Add	*3,383.49*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,558.87	1,087.21
		For Class 52 Rating, Deduct	*-1,310.27*	
		For Class 54 Rating, Add	*1,806.51*	
		For Class 55 Rating, Add	*2,695.82*	
		For Class 56 Rating, Add	*3,573.22*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,205.50	1,089.82
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,902.95*	
		For Class 55 Rating, Add	*2,839.23*	
		For Class 56 Rating, Add	*3,762.95*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,852.14	1,092.43
		For Class 52 Rating, Deduct	*-1,451.66*	
		For Class 54 Rating, Add	*1,999.40*	
		For Class 55 Rating, Add	*2,982.64*	
		For Class 56 Rating, Add	*3,952.68*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,498.77	1,095.04
		For Class 52 Rating, Deduct	*-1,522.36*	
		For Class 54 Rating, Add	*2,095.85*	
		For Class 55 Rating, Add	*3,126.05*	
		For Class 56 Rating, Add	*4,142.41*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,145.41	1,097.66
		For Class 52 Rating, Deduct	*-1,593.05*	
		For Class 54 Rating, Add	*2,192.30*	
		For Class 55 Rating, Add	*3,269.47*	
		For Class 56 Rating, Add	*4,332.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,792.03	1,100.28
		For Class 52 Rating, Deduct	*-1,663.75*	
		For Class 54 Rating, Add	*2,288.75*	
		For Class 55 Rating, Add	*3,412.88*	
		For Class 56 Rating, Add	*4,521.88*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,438.67	1,102.88
		For Class 52 Rating, Deduct	*-1,734.44*	
		For Class 54 Rating, Add	*2,385.20*	
		For Class 55 Rating, Add	*3,556.29*	
		For Class 56 Rating, Add	*4,711.61*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,085.31	1,105.50
		For Class 52 Rating, Deduct	*-1,805.13*	
		For Class 54 Rating, Add	*2,481.65*	
		For Class 55 Rating, Add	*3,699.70*	
		For Class 56 Rating, Add	*4,901.34*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,731.94	1,108.12
		For Class 52 Rating, Deduct	*-1,875.83*	
		For Class 54 Rating, Add	*2,578.09*	
		For Class 55 Rating, Add	*3,843.11*	
		For Class 56 Rating, Add	*5,091.07*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,378.58	1,110.72
		For Class 52 Rating, Deduct	*-1,946.52*	
		For Class 54 Rating, Add	*2,674.54*	
		For Class 55 Rating, Add	*3,986.52*	
		For Class 56 Rating, Add	*5,280.80*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,025.21	1,113.34
		For Class 52 Rating, Deduct	*-2,017.22*	
		For Class 54 Rating, Add	*2,770.99*	
		For Class 55 Rating, Add	*4,129.93*	
		For Class 56 Rating, Add	*5,470.54*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,671.85	1,115.95
		For Class 52 Rating, Deduct	*-2,087.91*	
		For Class 54 Rating, Add	*2,867.44*	
		For Class 55 Rating, Add	*4,273.35*	
		For Class 56 Rating, Add	*5,660.27*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,318.48	1,118.57
		For Class 52 Rating, Deduct	*-2,158.60*	
		For Class 54 Rating, Add	*2,963.89*	
		For Class 55 Rating, Add	*4,416.76*	
		For Class 56 Rating, Add	*5,850.00*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,965.11	1,121.18
		For Class 52 Rating, Deduct	*-2,229.30*	
		For Class 54 Rating, Add	*3,060.34*	
		For Class 55 Rating, Add	*4,560.17*	
		For Class 56 Rating, Add	*6,039.73*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,611.75	1,123.79
		For Class 52 Rating, Deduct	*-2,299.99*	
		For Class 54 Rating, Add	*3,156.79*	
		For Class 55 Rating, Add	*4,703.58*	
		For Class 56 Rating, Add	*6,229.46*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,258.38	1,126.41
		For Class 52 Rating, Deduct	*-2,370.69*	
		For Class 54 Rating, Add	*3,253.24*	
		For Class 55 Rating, Add	*4,846.99*	
		For Class 56 Rating, Add	*6,419.19*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,905.02	1,129.02
		For Class 52 Rating, Deduct	*-2,441.38*	
		For Class 54 Rating, Add	*3,349.68*	
		For Class 55 Rating, Add	*4,990.40*	
		For Class 56 Rating, Add	*6,608.93*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,551.65	1,131.63
		For Class 52 Rating, Deduct	*-2,512.08*	
		For Class 54 Rating, Add	*3,446.13*	
		For Class 55 Rating, Add	*5,133.81*	
		For Class 56 Rating, Add	*6,798.66*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,198.29	1,134.25
		For Class 52 Rating, Deduct	*-2,582.77*	
		For Class 54 Rating, Add	*3,542.58*	
		For Class 55 Rating, Add	*5,277.23*	
		For Class 56 Rating, Add	*6,988.39*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,844.92	1,136.86
		For Class 52 Rating, Deduct	*-2,653.46*	
		For Class 54 Rating, Add	*3,639.03*	
		For Class 55 Rating, Add	*5,420.64*	
		For Class 56 Rating, Add	*7,178.12*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,488.94	1,139.48
		For Class 52 Rating, Deduct	*-2,723.87*	
		For Class 54 Rating, Add	*3,735.09*	
		For Class 55 Rating, Add	*5,563.47*	
		For Class 56 Rating, Add	*7,367.08*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,138.18	1,142.08
		For Class 52 Rating, Deduct	*-2,794.85*	
		For Class 54 Rating, Add	*3,831.93*	
		For Class 55 Rating, Add	*5,707.46*	
		For Class 56 Rating, Add	*7,557.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,784.81	1,144.70
		For Class 52 Rating, Deduct	*-2,865.55*	
		For Class 54 Rating, Add	*3,928.38*	
		For Class 55 Rating, Add	*5,850.87*	
		For Class 56 Rating, Add	*7,747.31*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,431.45	1,147.32
		For Class 52 Rating, Deduct	*-2,936.24*	
		For Class 54 Rating, Add	*4,024.83*	
		For Class 55 Rating, Add	*5,994.28*	
		For Class 56 Rating, Add	*7,937.05*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,078.08	1,149.93
		For Class 52 Rating, Deduct	*-3,006.93*	
		For Class 54 Rating, Add	*4,121.27*	
		For Class 55 Rating, Add	*6,137.69*	
		For Class 56 Rating, Add	*8,126.78*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,724.72	1,152.54
		For Class 52 Rating, Deduct	*-3,077.63*	
		For Class 54 Rating, Add	*4,217.72*	
		For Class 55 Rating, Add	*6,281.10*	
		For Class 56 Rating, Add	*8,316.51*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,371.35	1,155.16
		For Class 52 Rating, Deduct	*-3,148.32*	
		For Class 54 Rating, Add	*4,314.17*	
		For Class 55 Rating, Add	*6,424.52*	
		For Class 56 Rating, Add	*8,506.24*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,017.99	1,157.77
		For Class 52 Rating, Deduct	*-3,219.02*	
		For Class 54 Rating, Add	*4,410.62*	
		For Class 55 Rating, Add	*6,567.93*	
		For Class 56 Rating, Add	*8,695.97*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,664.63	1,160.38
		For Class 52 Rating, Deduct	*-3,289.71*	
		For Class 54 Rating, Add	*4,507.07*	
		For Class 55 Rating, Add	*6,711.34*	
		For Class 56 Rating, Add	*8,885.70*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,311.26	1,162.99
		For Class 52 Rating, Deduct	*-3,360.41*	
		For Class 54 Rating, Add	*4,603.52*	
		For Class 55 Rating, Add	*6,854.75*	
		For Class 56 Rating, Add	*9,075.43*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,957.90	1,165.61
		For Class 52 Rating, Deduct	*-3,431.10*	
		For Class 54 Rating, Add	*4,699.97*	
		For Class 55 Rating, Add	*6,998.16*	
		For Class 56 Rating, Add	*9,265.17*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,604.53	1,168.23
		For Class 52 Rating, Deduct	*-3,501.79*	
		For Class 54 Rating, Add	*4,796.41*	
		For Class 55 Rating, Add	*7,141.57*	
		For Class 56 Rating, Add	*9,454.90*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,251.17	1,170.83
		For Class 52 Rating, Deduct	*-3,572.49*	
		For Class 54 Rating, Add	*4,892.86*	
		For Class 55 Rating, Add	*7,284.98*	
		For Class 56 Rating, Add	*9,644.63*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,897.80	1,173.45
		For Class 52 Rating, Deduct	*-3,643.18*	
		For Class 54 Rating, Add	*4,989.31*	
		For Class 55 Rating, Add	*7,428.40*	
		For Class 56 Rating, Add	*9,834.36*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,433.08	1,364.23
		For Class 52 Rating, Deduct	*-1,470.27*	
		For Class 54 Rating, Add	*2,029.71*	
		For Class 55 Rating, Add	*3,030.24*	
		For Class 56 Rating, Add	*4,017.40*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,311.29	1,366.85
		For Class 52 Rating, Deduct	*-1,566.43*	
		For Class 54 Rating, Add	*2,160.90*	
		For Class 55 Rating, Add	*3,225.29*	
		For Class 56 Rating, Add	*4,275.45*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,189.48	1,369.46
		For Class 52 Rating, Deduct	*-1,662.60*	
		For Class 54 Rating, Add	*2,292.08*	
		For Class 55 Rating, Add	*3,420.34*	
		For Class 56 Rating, Add	*4,533.49*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,067.69	1,372.07
		For Class 52 Rating, Deduct	*-1,758.77*	
		For Class 54 Rating, Add	*2,423.27*	
		For Class 55 Rating, Add	*3,615.40*	
		For Class 56 Rating, Add	*4,791.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,945.90	1,374.69
		For Class 52 Rating, Deduct	*-1,854.93*	
		For Class 54 Rating, Add	*2,554.45*	
		For Class 55 Rating, Add	*3,810.45*	
		For Class 56 Rating, Add	*5,049.58*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,824.11	1,377.30
		For Class 52 Rating, Deduct	*-1,951.10*	
		For Class 54 Rating, Add	*2,685.64*	
		For Class 55 Rating, Add	*4,005.50*	
		For Class 56 Rating, Add	*5,307.63*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,702.31	1,379.91
		For Class 52 Rating, Deduct	*-2,047.27*	
		For Class 54 Rating, Add	*2,816.82*	
		For Class 55 Rating, Add	*4,200.55*	
		For Class 56 Rating, Add	*5,565.67*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,580.52	1,382.53
		For Class 52 Rating, Deduct	*-2,143.44*	
		For Class 54 Rating, Add	*2,948.00*	
		For Class 55 Rating, Add	*4,395.60*	
		For Class 56 Rating, Add	*5,823.72*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,458.72	1,385.14
		For Class 52 Rating, Deduct	*-2,239.60*	
		For Class 54 Rating, Add	*3,079.19*	
		For Class 55 Rating, Add	*4,590.65*	
		For Class 56 Rating, Add	*6,081.76*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,336.93	1,387.75
		For Class 52 Rating, Deduct	*-2,335.77*	
		For Class 54 Rating, Add	*3,210.37*	
		For Class 55 Rating, Add	*4,785.71*	
		For Class 56 Rating, Add	*6,339.81*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,215.13	1,390.37
		For Class 52 Rating, Deduct	*-2,431.94*	
		For Class 54 Rating, Add	*3,341.56*	
		For Class 55 Rating, Add	*4,980.76*	
		For Class 56 Rating, Add	*6,597.85*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,093.34	1,392.98
		For Class 52 Rating, Deduct	*-2,528.10*	
		For Class 54 Rating, Add	*3,472.74*	
		For Class 55 Rating, Add	*5,175.81*	
		For Class 56 Rating, Add	*6,855.90*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,971.54	1,395.60
		For Class 52 Rating, Deduct	*-2,624.27*	
		For Class 54 Rating, Add	*3,603.92*	
		For Class 55 Rating, Add	*5,370.86*	
		For Class 56 Rating, Add	*7,113.94*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,849.75	1,398.20
		For Class 52 Rating, Deduct	*-2,720.44*	
		For Class 54 Rating, Add	*3,735.11*	
		For Class 55 Rating, Add	*5,565.91*	
		For Class 56 Rating, Add	*7,371.98*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,727.95	1,400.82
		For Class 52 Rating, Deduct	*-2,816.60*	
		For Class 54 Rating, Add	*3,866.29*	
		For Class 55 Rating, Add	*5,760.96*	
		For Class 56 Rating, Add	*7,630.03*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,606.16	1,403.44
		For Class 52 Rating, Deduct	*-2,912.77*	
		For Class 54 Rating, Add	*3,997.48*	
		For Class 55 Rating, Add	*5,956.02*	
		For Class 56 Rating, Add	*7,888.07*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,484.36	1,406.05
		For Class 52 Rating, Deduct	*-3,008.94*	
		For Class 54 Rating, Add	*4,128.66*	
		For Class 55 Rating, Add	*6,151.07*	
		For Class 56 Rating, Add	*8,146.12*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,362.56	1,408.66
		For Class 52 Rating, Deduct	*-3,105.11*	
		For Class 54 Rating, Add	*4,259.85*	
		For Class 55 Rating, Add	*6,346.12*	
		For Class 56 Rating, Add	*8,404.16*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,240.77	1,411.28
		For Class 52 Rating, Deduct	*-3,201.27*	
		For Class 54 Rating, Add	*4,391.03*	
		For Class 55 Rating, Add	*6,541.17*	
		For Class 56 Rating, Add	*8,662.21*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,118.97	1,413.89
		For Class 52 Rating, Deduct	*-3,297.44*	
		For Class 54 Rating, Add	*4,522.22*	
		For Class 55 Rating, Add	*6,736.22*	
		For Class 56 Rating, Add	*8,920.25*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,997.18	1,416.51
		For Class 52 Rating, Deduct	*-3,393.61*	
		For Class 54 Rating, Add	*4,653.40*	
		For Class 55 Rating, Add	*6,931.28*	
		For Class 56 Rating, Add	*9,178.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,875.38	1,419.11
		For Class 52 Rating, Deduct	*-3,489.77*	
		For Class 54 Rating, Add	*4,784.58*	
		For Class 55 Rating, Add	*7,126.33*	
		For Class 56 Rating, Add	*9,436.34*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,753.59	1,421.73
		For Class 52 Rating, Deduct	*-3,585.94*	
		For Class 54 Rating, Add	*4,915.77*	
		For Class 55 Rating, Add	*7,321.38*	
		For Class 56 Rating, Add	*9,694.39*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,631.79	1,424.35
		For Class 52 Rating, Deduct	*-3,682.11*	
		For Class 54 Rating, Add	*5,046.95*	
		For Class 55 Rating, Add	*7,516.43*	
		For Class 56 Rating, Add	*9,952.43*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,510.01	1,426.95
		For Class 52 Rating, Deduct	*-3,778.27*	
		For Class 54 Rating, Add	*5,178.14*	
		For Class 55 Rating, Add	*7,711.48*	
		For Class 56 Rating, Add	*10,210.48*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,388.21	1,429.57
		For Class 52 Rating, Deduct	*-3,874.44*	
		For Class 54 Rating, Add	*5,309.32*	
		For Class 55 Rating, Add	*7,906.53*	
		For Class 56 Rating, Add	*10,468.52*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,266.42	1,432.18
		For Class 52 Rating, Deduct	*-3,970.61*	
		For Class 54 Rating, Add	*5,440.51*	
		For Class 55 Rating, Add	*8,101.59*	
		For Class 56 Rating, Add	*10,726.57*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,144.62	1,434.80
		For Class 52 Rating, Deduct	*-4,066.77*	
		For Class 54 Rating, Add	*5,571.69*	
		For Class 55 Rating, Add	*8,296.64*	
		For Class 56 Rating, Add	*10,984.61*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,022.83	1,437.41
		For Class 52 Rating, Deduct	*-4,162.94*	
		For Class 54 Rating, Add	*5,702.87*	
		For Class 55 Rating, Add	*8,491.69*	
		For Class 56 Rating, Add	*11,242.66*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,901.03	1,440.02
		For Class 52 Rating, Deduct	*-4,259.11*	
		For Class 54 Rating, Add	*5,834.06*	
		For Class 55 Rating, Add	*8,686.74*	
		For Class 56 Rating, Add	*11,500.70*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,779.24	1,442.64
		For Class 52 Rating, Deduct	*-4,355.28*	
		For Class 54 Rating, Add	*5,965.24*	
		For Class 55 Rating, Add	*8,881.79*	
		For Class 56 Rating, Add	*11,758.75*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,657.44	1,445.25
		For Class 52 Rating, Deduct	*-4,451.44*	
		For Class 54 Rating, Add	*6,096.43*	
		For Class 55 Rating, Add	*9,076.84*	
		For Class 56 Rating, Add	*12,016.79*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,535.64	1,447.86
		For Class 52 Rating, Deduct	*-4,547.61*	
		For Class 54 Rating, Add	*6,227.61*	
		For Class 55 Rating, Add	*9,271.90*	
		For Class 56 Rating, Add	*12,274.84*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,413.84	1,450.48
		For Class 52 Rating, Deduct	*-4,643.78*	
		For Class 54 Rating, Add	*6,358.79*	
		For Class 55 Rating, Add	*9,466.95*	
		For Class 56 Rating, Add	*12,532.88*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,292.05	1,453.09
		For Class 52 Rating, Deduct	*-4,739.94*	
		For Class 54 Rating, Add	*6,489.98*	
		For Class 55 Rating, Add	*9,662.00*	
		For Class 56 Rating, Add	*12,790.93*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,170.25	1,455.71
		For Class 52 Rating, Deduct	*-4,836.11*	
		For Class 54 Rating, Add	*6,621.16*	
		For Class 55 Rating, Add	*9,857.05*	
		For Class 56 Rating, Add	*13,048.97*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,048.46	1,458.32
		For Class 52 Rating, Deduct	*-4,932.28*	
		For Class 54 Rating, Add	*6,752.35*	
		For Class 55 Rating, Add	*10,052.10*	
		For Class 56 Rating, Add	*13,307.02*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,926.66	1,460.93
		For Class 52 Rating, Deduct	*-5,028.44*	
		For Class 54 Rating, Add	*6,883.53*	
		For Class 55 Rating, Add	*10,247.15*	
		For Class 56 Rating, Add	*13,565.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,436.51	1,719.67
		For Class 52 Rating, Deduct	*-1,961.41*	
		For Class 54 Rating, Add	*2,705.91*	
		For Class 55 Rating, Add	*4,038.84*	
		For Class 56 Rating, Add	*5,353.93*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,746.63	1,722.28
		For Class 52 Rating, Deduct	*-2,105.08*	
		For Class 54 Rating, Add	*2,901.88*	
		For Class 55 Rating, Add	*4,330.21*	
		For Class 56 Rating, Add	*5,739.39*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,041.14	1,724.89
		For Class 52 Rating, Deduct	*-2,247.04*	
		For Class 54 Rating, Add	*3,095.51*	
		For Class 55 Rating, Add	*4,618.09*	
		For Class 56 Rating, Add	*6,120.25*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,348.67	1,727.51
		For Class 52 Rating, Deduct	*-2,390.44*	
		For Class 54 Rating, Add	*3,291.10*	
		For Class 55 Rating, Add	*4,908.88*	
		For Class 56 Rating, Add	*6,504.94*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,643.18	1,730.12
		For Class 52 Rating, Deduct	*-2,532.40*	
		For Class 54 Rating, Add	*3,484.73*	
		For Class 55 Rating, Add	*5,196.77*	
		For Class 56 Rating, Add	*6,885.80*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,953.30	1,732.73
		For Class 52 Rating, Deduct	*-2,676.07*	
		For Class 54 Rating, Add	*3,680.70*	
		For Class 55 Rating, Add	*5,488.14*	
		For Class 56 Rating, Add	*7,271.26*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,245.21	1,735.34
		For Class 52 Rating, Deduct	*-2,817.75*	
		For Class 54 Rating, Add	*3,873.94*	
		For Class 55 Rating, Add	*5,775.45*	
		For Class 56 Rating, Add	*7,651.35*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,555.34	1,737.96
		For Class 52 Rating, Deduct	*-2,961.43*	
		For Class 54 Rating, Add	*4,069.91*	
		For Class 55 Rating, Add	*6,066.82*	
		For Class 56 Rating, Add	*8,036.81*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,849.85	1,740.58
		For Class 52 Rating, Deduct	*-3,103.39*	
		For Class 54 Rating, Add	*4,263.54*	
		For Class 55 Rating, Add	*6,354.71*	
		For Class 56 Rating, Add	*8,417.66*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,157.37	1,743.18
		For Class 52 Rating, Deduct	*-3,246.78*	
		For Class 54 Rating, Add	*4,459.12*	
		For Class 55 Rating, Add	*6,645.50*	
		For Class 56 Rating, Add	*8,802.36*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,451.88	1,745.80
		For Class 52 Rating, Deduct	*-3,388.74*	
		For Class 54 Rating, Add	*4,652.75*	
		For Class 55 Rating, Add	*6,933.38*	
		For Class 56 Rating, Add	*9,183.21*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,759.40	1,748.41
		For Class 52 Rating, Deduct	*-3,532.13*	
		For Class 54 Rating, Add	*4,848.33*	
		For Class 55 Rating, Add	*7,224.17*	
		For Class 56 Rating, Add	*9,567.90*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,053.93	1,751.03
		For Class 52 Rating, Deduct	*-3,674.09*	
		For Class 54 Rating, Add	*5,041.96*	
		For Class 55 Rating, Add	*7,512.06*	
		For Class 56 Rating, Add	*9,948.76*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,351.04	1,753.64
		For Class 52 Rating, Deduct	*-3,816.34*	
		For Class 54 Rating, Add	*5,235.98*	
		For Class 55 Rating, Add	*7,800.53*	
		For Class 56 Rating, Add	*10,330.38*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,655.95	1,756.25
		For Class 52 Rating, Deduct	*-3,959.45*	
		For Class 54 Rating, Add	*5,431.18*	
		For Class 55 Rating, Add	*8,090.74*	
		For Class 56 Rating, Add	*10,714.31*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,950.46	1,758.87
		For Class 52 Rating, Deduct	*-4,101.41*	
		For Class 54 Rating, Add	*5,624.81*	
		For Class 55 Rating, Add	*8,378.63*	
		For Class 56 Rating, Add	*11,095.16*	
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,260.59	1,761.49
		For Class 52 Rating, Deduct	*-4,245.08*	
		For Class 54 Rating, Add	*5,820.78*	
		For Class 55 Rating, Add	*8,670.00*	
		For Class 56 Rating, Add	*11,480.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,555.10	1,764.09
		For Class 52 Rating, Deduct	*-4,387.05*	
		For Class 54 Rating, Add	*6,014.41*	
		For Class 55 Rating, Add	*8,957.89*	
		For Class 56 Rating, Add	*11,861.48*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,862.62	1,766.71
		For Class 52 Rating, Deduct	*-4,530.44*	
		For Class 54 Rating, Add	*6,209.99*	
		For Class 55 Rating, Add	*9,248.68*	
		For Class 56 Rating, Add	*12,246.17*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,157.13	1,769.32
		For Class 52 Rating, Deduct	*-4,672.40*	
		For Class 54 Rating, Add	*6,403.62*	
		For Class 55 Rating, Add	*9,536.56*	
		For Class 56 Rating, Add	*12,627.03*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,467.26	1,771.94
		For Class 52 Rating, Deduct	*-4,816.08*	
		For Class 54 Rating, Add	*6,599.59*	
		For Class 55 Rating, Add	*9,827.93*	
		For Class 56 Rating, Add	*13,012.49*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,761.77	1,774.55
		For Class 52 Rating, Deduct	*-4,958.04*	
		For Class 54 Rating, Add	*6,793.22*	
		For Class 55 Rating, Add	*10,115.82*	
		For Class 56 Rating, Add	*13,393.35*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,069.29	1,777.16
		For Class 52 Rating, Deduct	*-5,101.43*	
		For Class 54 Rating, Add	*6,988.81*	
		For Class 55 Rating, Add	*10,406.61*	
		For Class 56 Rating, Add	*13,778.04*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,363.80	1,779.78
		For Class 52 Rating, Deduct	*-5,243.39*	
		For Class 54 Rating, Add	*7,182.44*	
		For Class 55 Rating, Add	*10,694.50*	
		For Class 56 Rating, Add	*14,158.89*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,673.93	1,782.38
		For Class 52 Rating, Deduct	*-5,387.07*	
		For Class 54 Rating, Add	*7,378.41*	
		For Class 55 Rating, Add	*10,985.87*	
		For Class 56 Rating, Add	*14,544.36*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,968.44	1,785.00
		For Class 52 Rating, Deduct	*-5,529.03*	
		For Class 54 Rating, Add	*7,572.04*	
		For Class 55 Rating, Add	*11,273.76*	
		For Class 56 Rating, Add	*14,925.21*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,273.36	1,787.62
		For Class 52 Rating, Deduct	*-5,672.13*	
		For Class 54 Rating, Add	*7,767.23*	
		For Class 55 Rating, Add	*11,563.97*	
		For Class 56 Rating, Add	*15,309.14*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,570.47	1,790.23
		For Class 52 Rating, Deduct	*-5,814.38*	
		For Class 54 Rating, Add	*7,961.25*	
		For Class 55 Rating, Add	*11,852.43*	
		For Class 56 Rating, Add	*15,690.76*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,604.80	1,792.84
		For Class 52 Rating, Deduct	*-5,927.72*	
		For Class 54 Rating, Add	*8,115.85*	
		For Class 55 Rating, Add	*12,082.30*	
		For Class 56 Rating, Add	*15,994.86*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,172.50	1,795.45
		For Class 52 Rating, Deduct	*-6,099.73*	
		For Class 54 Rating, Add	*8,350.46*	
		For Class 55 Rating, Add	*12,431.11*	
		For Class 56 Rating, Add	*16,456.31*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,467.01	1,798.07
		For Class 52 Rating, Deduct	*-6,241.69*	
		For Class 54 Rating, Add	*8,544.09*	
		For Class 55 Rating, Add	*12,719.00*	
		For Class 56 Rating, Add	*16,837.16*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,774.53	1,800.69
		For Class 52 Rating, Deduct	*-6,385.09*	
		For Class 54 Rating, Add	*8,739.67*	
		For Class 55 Rating, Add	*13,009.79*	
		For Class 56 Rating, Add	*17,221.86*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,069.06	1,803.29
		For Class 52 Rating, Deduct	*-6,527.05*	
		For Class 54 Rating, Add	*8,933.31*	
		For Class 55 Rating, Add	*13,297.68*	
		For Class 56 Rating, Add	*17,602.71*	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,379.18	1,805.91
		For Class 52 Rating, Deduct	*-6,670.72*	
		For Class 54 Rating, Add	*9,129.28*	
		For Class 55 Rating, Add	*13,589.05*	
		For Class 56 Rating, Add	*17,988.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,671.09	1,808.53
		For Class 52 Rating, Deduct	*-6,812.40*	
		For Class 54 Rating, Add	*9,322.52*	
		For Class 55 Rating, Add	*13,876.36*	
		For Class 56 Rating, Add	*18,368.26*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,981.21	1,811.14
		For Class 52 Rating, Deduct	*-6,956.08*	
		For Class 54 Rating, Add	*9,518.49*	
		For Class 55 Rating, Add	*14,167.72*	
		For Class 56 Rating, Add	*18,753.72*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,275.73	1,813.75
		For Class 52 Rating, Deduct	*-7,098.04*	
		For Class 54 Rating, Add	*9,712.12*	
		For Class 55 Rating, Add	*14,455.61*	
		For Class 56 Rating, Add	*19,134.58*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,583.25	1,816.36
		For Class 52 Rating, Deduct	*-7,241.43*	
		For Class 54 Rating, Add	*9,907.70*	
		For Class 55 Rating, Add	*14,746.40*	
		For Class 56 Rating, Add	*19,519.27*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,630.46	2,161.34
		For Class 52 Rating, Deduct	*-2,459.13*	
		For Class 54 Rating, Add	*3,392.65*	
		For Class 55 Rating, Add	*5,063.92*	
		For Class 56 Rating, Add	*6,712.82*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,536.42	2,163.96
		For Class 52 Rating, Deduct	*-2,668.35*	
		For Class 54 Rating, Add	*3,678.00*	
		For Class 55 Rating, Add	*5,488.16*	
		For Class 56 Rating, Add	*7,274.06*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,439.78	2,166.57
		For Class 52 Rating, Deduct	*-2,877.28*	
		For Class 54 Rating, Add	*3,962.96*	
		For Class 55 Rating, Add	*5,911.82*	
		For Class 56 Rating, Add	*7,834.52*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,358.75	2,169.18
		For Class 52 Rating, Deduct	*-3,087.93*	
		For Class 54 Rating, Add	*4,250.26*	
		For Class 55 Rating, Add	*6,338.96*	
		For Class 56 Rating, Add	*8,399.59*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,264.72	2,171.80
		For Class 52 Rating, Deduct	*-3,297.15*	
		For Class 54 Rating, Add	*4,535.61*	
		For Class 55 Rating, Add	*6,763.20*	
		For Class 56 Rating, Add	*8,960.83*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,170.68	2,174.41
		For Class 52 Rating, Deduct	*-3,506.37*	
		For Class 54 Rating, Add	*4,820.95*	
		For Class 55 Rating, Add	*7,187.44*	
		For Class 56 Rating, Add	*9,522.06*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,087.05	2,177.02
		For Class 52 Rating, Deduct	*-3,716.74*	
		For Class 54 Rating, Add	*5,107.86*	
		For Class 55 Rating, Add	*7,614.01*	
		For Class 56 Rating, Add	*10,086.36*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,995.62	2,179.63
		For Class 52 Rating, Deduct	*-3,926.25*	
		For Class 54 Rating, Add	*5,393.60*	
		For Class 55 Rating, Add	*8,038.83*	
		For Class 56 Rating, Add	*10,648.37*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,898.98	2,182.25
		For Class 52 Rating, Deduct	*-4,135.18*	
		For Class 54 Rating, Add	*5,678.56*	
		For Class 55 Rating, Add	*8,462.49*	
		For Class 56 Rating, Add	*11,208.83*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,817.95	2,184.87
		For Class 52 Rating, Deduct	*-4,345.83*	
		For Class 54 Rating, Add	*5,965.86*	
		For Class 55 Rating, Add	*8,889.63*	
		For Class 56 Rating, Add	*11,773.90*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,723.92	2,187.47
		For Class 52 Rating, Deduct	*-4,555.05*	
		For Class 54 Rating, Add	*6,251.21*	
		For Class 55 Rating, Add	*9,313.88*	
		For Class 56 Rating, Add	*12,335.14*	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,642.89	2,190.09
		For Class 52 Rating, Deduct	*-4,765.70*	
		For Class 54 Rating, Add	*6,538.51*	
		For Class 55 Rating, Add	*9,741.02*	
		For Class 56 Rating, Add	*12,900.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,546.25	2,192.71
		For Class 52 Rating, Deduct	*-4,974.64*	
		For Class 54 Rating, Add	*6,823.46*	
		For Class 55 Rating, Add	*10,164.68*	
		For Class 56 Rating, Add	*13,460.67*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,452.22	2,195.32
		For Class 52 Rating, Deduct	*-5,183.86*	
		For Class 54 Rating, Add	*7,108.81*	
		For Class 55 Rating, Add	*10,588.92*	
		For Class 56 Rating, Add	*14,021.91*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,371.19	2,197.93
		For Class 52 Rating, Deduct	*-5,394.51*	
		For Class 54 Rating, Add	*7,396.11*	
		For Class 55 Rating, Add	*11,016.07*	
		For Class 56 Rating, Add	*14,586.98*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,277.15	2,200.54
		For Class 52 Rating, Deduct	*-5,603.73*	
		For Class 54 Rating, Add	*7,681.46*	
		For Class 55 Rating, Add	*11,440.31*	
		For Class 56 Rating, Add	*15,148.21*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,180.51	2,203.16
		For Class 52 Rating, Deduct	*-5,812.66*	
		For Class 54 Rating, Add	*7,966.42*	
		For Class 55 Rating, Add	*11,863.97*	
		For Class 56 Rating, Add	*15,708.68*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,099.49	2,205.78
		For Class 52 Rating, Deduct	*-6,023.32*	
		For Class 54 Rating, Add	*8,253.72*	
		For Class 55 Rating, Add	*12,291.11*	
		For Class 56 Rating, Add	*16,273.75*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,005.45	2,208.38
		For Class 52 Rating, Deduct	*-6,232.54*	
		For Class 54 Rating, Add	*8,539.06*	
		For Class 55 Rating, Add	*12,715.35*	
		For Class 56 Rating, Add	*16,834.98*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,908.81	2,211.00
		For Class 52 Rating, Deduct	*-6,441.47*	
		For Class 54 Rating, Add	*8,824.02*	
		For Class 55 Rating, Add	*13,139.01*	
		For Class 56 Rating, Add	*17,395.45*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,827.78	2,213.61
		For Class 52 Rating, Deduct	*-6,652.12*	
		For Class 54 Rating, Add	*9,111.32*	
		For Class 55 Rating, Add	*13,566.16*	
		For Class 56 Rating, Add	*17,960.52*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,736.35	2,216.23
		For Class 52 Rating, Deduct	*-6,861.63*	
		For Class 54 Rating, Add	*9,397.06*	
		For Class 55 Rating, Add	*13,990.98*	
		For Class 56 Rating, Add	*18,522.52*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,639.70	2,218.84
		For Class 52 Rating, Deduct	*-7,070.56*	
		For Class 54 Rating, Add	*9,682.02*	
		For Class 55 Rating, Add	*14,414.64*	
		For Class 56 Rating, Add	*19,082.99*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,558.67	2,221.45
		For Class 52 Rating, Deduct	*-7,281.21*	
		For Class 54 Rating, Add	*9,969.32*	
		For Class 55 Rating, Add	*14,841.78*	
		For Class 56 Rating, Add	*19,648.06*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,464.64	2,224.07
		For Class 52 Rating, Deduct	*-7,490.43*	
		For Class 54 Rating, Add	*10,254.66*	
		For Class 55 Rating, Add	*15,266.03*	
		For Class 56 Rating, Add	*20,209.29*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,368.00	2,226.67
		For Class 52 Rating, Deduct	*-7,699.37*	
		For Class 54 Rating, Add	*10,539.62*	
		For Class 55 Rating, Add	*15,689.69*	
		For Class 56 Rating, Add	*20,769.76*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,286.97	2,229.29
		For Class 52 Rating, Deduct	*-7,910.02*	
		For Class 54 Rating, Add	*10,826.92*	
		For Class 55 Rating, Add	*16,116.83*	
		For Class 56 Rating, Add	*21,334.83*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,192.94	2,231.91
		For Class 52 Rating, Deduct	*-8,119.24*	
		For Class 54 Rating, Add	*11,112.27*	
		For Class 55 Rating, Add	*16,541.07*	
		For Class 56 Rating, Add	*21,896.06*	
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,864.74	2,234.52
		For Class 52 Rating, Deduct	*-8,302.70*	
		For Class 54 Rating, Add	*11,362.49*	
		For Class 55 Rating, Add	*16,913.09*	
		For Class 56 Rating, Add	*22,388.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,017.88	2,237.13
		For Class 52 Rating, Deduct	*-8,539.11*	
		For Class 54 Rating, Add	*11,684.92*	
		For Class 55 Rating, Add	*17,392.46*	
		For Class 56 Rating, Add	*23,022.37*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,921.24	2,239.75
		For Class 52 Rating, Deduct	*-8,748.04*	
		For Class 54 Rating, Add	*11,969.87*	
		For Class 55 Rating, Add	*17,816.12*	
		For Class 56 Rating, Add	*23,582.83*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,842.82	2,242.36
		For Class 52 Rating, Deduct	*-8,958.98*	
		For Class 54 Rating, Add	*12,257.57*	
		For Class 55 Rating, Add	*18,243.84*	
		For Class 56 Rating, Add	*24,148.67*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,746.18	2,244.98
		For Class 52 Rating, Deduct	*-9,167.92*	
		For Class 54 Rating, Add	*12,542.52*	
		For Class 55 Rating, Add	*18,667.50*	
		For Class 56 Rating, Add	*24,709.14*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	88,649.54	2,247.58
		For Class 52 Rating, Deduct	*-9,376.85*	
		For Class 54 Rating, Add	*12,827.48*	
		For Class 55 Rating, Add	*19,091.16*	
		For Class 56 Rating, Add	*25,269.61*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	90,571.12	2,250.20
		For Class 52 Rating, Deduct	*-9,587.79*	
		For Class 54 Rating, Add	*13,115.17*	
		For Class 55 Rating, Add	*19,518.89*	
		For Class 56 Rating, Add	*25,835.45*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	92,474.48	2,252.82
		For Class 52 Rating, Deduct	*-9,796.72*	
		For Class 54 Rating, Add	*13,400.13*	
		For Class 55 Rating, Add	*19,942.55*	
		For Class 56 Rating, Add	*26,395.91*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	94,380.44	2,255.43
		For Class 52 Rating, Deduct	*-10,005.94*	
		For Class 54 Rating, Add	*13,685.48*	
		For Class 55 Rating, Add	*20,366.79*	
		For Class 56 Rating, Add	*26,957.14*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	96,299.41	2,258.04
		For Class 52 Rating, Deduct	*-10,216.60*	
		For Class 54 Rating, Add	*13,972.78*	
		For Class 55 Rating, Add	*20,793.94*	
		For Class 56 Rating, Add	*27,522.22*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	623.53	119.59
		For Class 52 Rating, Deduct	*-48.66*	
		For Class 54 Rating, Add	*68.52*	
		For Class 55 Rating, Add	*102.99*	
		For Class 56 Rating, Add	*137.01*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.35	121.68
		For Class 52 Rating, Deduct	*-56.10*	
		For Class 54 Rating, Add	*78.71*	
		For Class 55 Rating, Add	*118.15*	
		For Class 56 Rating, Add	*157.08*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	765.17	123.78
		For Class 52 Rating, Deduct	*-63.54*	
		For Class 54 Rating, Add	*88.89*	
		For Class 55 Rating, Add	*133.31*	
		For Class 56 Rating, Add	*177.15*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	835.98	125.87
		For Class 52 Rating, Deduct	*-70.98*	
		For Class 54 Rating, Add	*99.08*	
		For Class 55 Rating, Add	*148.47*	
		For Class 56 Rating, Add	*197.22*	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.80	127.95
		For Class 52 Rating, Deduct	*-78.42*	
		For Class 54 Rating, Add	*109.27*	
		For Class 55 Rating, Add	*163.64*	
		For Class 56 Rating, Add	*217.29*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	977.62	130.05
		For Class 52 Rating, Deduct	*-85.86*	
		For Class 54 Rating, Add	*119.45*	
		For Class 55 Rating, Add	*178.80*	
		For Class 56 Rating, Add	*237.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,048.44	132.14
		For Class 52 Rating, Deduct	*-93.31*	
		For Class 54 Rating, Add	*129.64*	
		For Class 55 Rating, Add	*193.96*	
		For Class 56 Rating, Add	*257.44*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.25	134.23
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*139.82*	
		For Class 55 Rating, Add	*209.12*	
		For Class 56 Rating, Add	*277.51*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.08	136.33
		For Class 52 Rating, Deduct	*-108.19*	
		For Class 54 Rating, Add	*150.01*	
		For Class 55 Rating, Add	*224.28*	
		For Class 56 Rating, Add	*297.58*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,260.89	138.41
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*160.19*	
		For Class 55 Rating, Add	*239.45*	
		For Class 56 Rating, Add	*317.65*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,331.70	140.50
		For Class 52 Rating, Deduct	*-123.07*	
		For Class 54 Rating, Add	*170.38*	
		For Class 55 Rating, Add	*254.61*	
		For Class 56 Rating, Add	*337.72*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.53	142.59
		For Class 52 Rating, Deduct	*-130.51*	
		For Class 54 Rating, Add	*180.56*	
		For Class 55 Rating, Add	*269.77*	
		For Class 56 Rating, Add	*357.79*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,473.34	144.69
		For Class 52 Rating, Deduct	*-137.95*	
		For Class 54 Rating, Add	*190.75*	
		For Class 55 Rating, Add	*284.93*	
		For Class 56 Rating, Add	*377.86*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,544.16	146.77
		For Class 52 Rating, Deduct	*-145.40*	
		For Class 54 Rating, Add	*200.94*	
		For Class 55 Rating, Add	*300.09*	
		For Class 56 Rating, Add	*397.93*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.98	148.86
		For Class 52 Rating, Deduct	*-152.84*	
		For Class 54 Rating, Add	*211.12*	
		For Class 55 Rating, Add	*315.26*	
		For Class 56 Rating, Add	*418.00*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.80	150.96
		For Class 52 Rating, Deduct	*-160.28*	
		For Class 54 Rating, Add	*221.31*	
		For Class 55 Rating, Add	*330.42*	
		For Class 56 Rating, Add	*438.07*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.62	153.05
		For Class 52 Rating, Deduct	*-167.72*	
		For Class 54 Rating, Add	*231.49*	
		For Class 55 Rating, Add	*345.58*	
		For Class 56 Rating, Add	*458.14*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,827.44	155.14
		For Class 52 Rating, Deduct	*-175.16*	
		For Class 54 Rating, Add	*241.68*	
		For Class 55 Rating, Add	*360.74*	
		For Class 56 Rating, Add	*478.21*	
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,898.24	157.22
		For Class 52 Rating, Deduct	*-182.60*	
		For Class 54 Rating, Add	*251.86*	
		For Class 55 Rating, Add	*375.90*	
		For Class 56 Rating, Add	*498.28*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,969.06	159.32
		For Class 52 Rating, Deduct	*-190.04*	
		For Class 54 Rating, Add	*262.05*	
		For Class 55 Rating, Add	*391.06*	
		For Class 56 Rating, Add	*518.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,039.88	161.41
		For Class 52 Rating, Deduct	*-197.49*	
		For Class 54 Rating, Add	*272.23*	
		For Class 55 Rating, Add	*406.23*	
		For Class 56 Rating, Add	*538.42*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,110.69	163.50
		For Class 52 Rating, Deduct	*-204.93*	
		For Class 54 Rating, Add	*282.42*	
		For Class 55 Rating, Add	*421.39*	
		For Class 56 Rating, Add	*558.49*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,181.52	165.60
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*292.60*	
		For Class 55 Rating, Add	*436.55*	
		For Class 56 Rating, Add	*578.57*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,252.33	167.68
		For Class 52 Rating, Deduct	*-219.81*	
		For Class 54 Rating, Add	*302.79*	
		For Class 55 Rating, Add	*451.71*	
		For Class 56 Rating, Add	*598.64*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,323.15	169.77
		For Class 52 Rating, Deduct	*-227.25*	
		For Class 54 Rating, Add	*312.97*	
		For Class 55 Rating, Add	*466.87*	
		For Class 56 Rating, Add	*618.71*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,393.97	171.86
		For Class 52 Rating, Deduct	*-234.69*	
		For Class 54 Rating, Add	*323.16*	
		For Class 55 Rating, Add	*482.04*	
		For Class 56 Rating, Add	*638.78*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.79	173.96
		For Class 52 Rating, Deduct	*-242.13*	
		For Class 54 Rating, Add	*333.35*	
		For Class 55 Rating, Add	*497.20*	
		For Class 56 Rating, Add	*658.85*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.60	176.05
		For Class 52 Rating, Deduct	*-249.58*	
		For Class 54 Rating, Add	*343.53*	
		For Class 55 Rating, Add	*512.36*	
		For Class 56 Rating, Add	*678.92*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.42	178.13
		For Class 52 Rating, Deduct	*-257.02*	
		For Class 54 Rating, Add	*353.72*	
		For Class 55 Rating, Add	*527.52*	
		For Class 56 Rating, Add	*698.99*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,677.24	180.23
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*363.90*	
		For Class 55 Rating, Add	*542.68*	
		For Class 56 Rating, Add	*719.06*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,748.05	182.32
		For Class 52 Rating, Deduct	*-271.90*	
		For Class 54 Rating, Add	*374.09*	
		For Class 55 Rating, Add	*557.85*	
		For Class 56 Rating, Add	*739.13*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.88	184.41
		For Class 52 Rating, Deduct	*-279.34*	
		For Class 54 Rating, Add	*384.27*	
		For Class 55 Rating, Add	*573.01*	
		For Class 56 Rating, Add	*759.20*	
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,889.69	186.49
		For Class 52 Rating, Deduct	*-286.78*	
		For Class 54 Rating, Add	*394.46*	
		For Class 55 Rating, Add	*588.17*	
		For Class 56 Rating, Add	*779.27*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,960.51	188.59
		For Class 52 Rating, Deduct	*-294.22*	
		For Class 54 Rating, Add	*404.64*	
		For Class 55 Rating, Add	*603.33*	
		For Class 56 Rating, Add	*799.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.33	190.68
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*414.83*	
		For Class 55 Rating, Add	*618.49*	
		For Class 56 Rating, Add	*819.41*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.14	192.77
		For Class 52 Rating, Deduct	*-309.11*	
		For Class 54 Rating, Add	*425.02*	
		For Class 55 Rating, Add	*633.66*	
		For Class 56 Rating, Add	*839.49*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,172.96	194.87
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*435.20*	
		For Class 55 Rating, Add	*648.82*	
		For Class 56 Rating, Add	*859.56*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.78	196.95
		For Class 52 Rating, Deduct	*-323.99*	
		For Class 54 Rating, Add	*445.39*	
		For Class 55 Rating, Add	*663.98*	
		For Class 56 Rating, Add	*879.63*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.60	199.04
		For Class 52 Rating, Deduct	*-331.43*	
		For Class 54 Rating, Add	*455.57*	
		For Class 55 Rating, Add	*679.14*	
		For Class 56 Rating, Add	*899.70*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	777.10	150.54
		For Class 52 Rating, Deduct	*-60.39*	
		For Class 54 Rating, Add	*85.09*	
		For Class 55 Rating, Add	*127.90*	
		For Class 56 Rating, Add	*170.17*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.52	152.63
		For Class 52 Rating, Deduct	*-69.55*	
		For Class 54 Rating, Add	*97.62*	
		For Class 55 Rating, Add	*146.55*	
		For Class 56 Rating, Add	*194.84*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.95	154.71
		For Class 52 Rating, Deduct	*-78.71*	
		For Class 54 Rating, Add	*110.14*	
		For Class 55 Rating, Add	*165.19*	
		For Class 56 Rating, Add	*219.52*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.38	156.81
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*122.67*	
		For Class 55 Rating, Add	*183.83*	
		For Class 56 Rating, Add	*244.20*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,122.80	158.90
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*135.20*	
		For Class 55 Rating, Add	*202.48*	
		For Class 56 Rating, Add	*268.87*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,209.24	160.99
		For Class 52 Rating, Deduct	*-106.18*	
		For Class 54 Rating, Add	*147.72*	
		For Class 55 Rating, Add	*221.12*	
		For Class 56 Rating, Add	*293.55*	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.66	163.08
		For Class 52 Rating, Deduct	*-115.34*	
		For Class 54 Rating, Add	*160.25*	
		For Class 55 Rating, Add	*239.76*	
		For Class 56 Rating, Add	*318.22*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,382.10	165.17
		For Class 52 Rating, Deduct	*-124.50*	
		For Class 54 Rating, Add	*172.78*	
		For Class 55 Rating, Add	*258.41*	
		For Class 56 Rating, Add	*342.90*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,468.53	167.26
		For Class 52 Rating, Deduct	*-133.66*	
		For Class 54 Rating, Add	*185.31*	
		For Class 55 Rating, Add	*277.05*	
		For Class 56 Rating, Add	*367.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.96	169.35
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*197.83*	
		For Class 55 Rating, Add	*295.69*	
		For Class 56 Rating, Add	*392.25*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.38	171.45
		For Class 52 Rating, Deduct	*-151.98*	
		For Class 54 Rating, Add	*210.36*	
		For Class 55 Rating, Add	*314.34*	
		For Class 56 Rating, Add	*416.93*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.81	173.53
		For Class 52 Rating, Deduct	*-161.14*	
		For Class 54 Rating, Add	*222.89*	
		For Class 55 Rating, Add	*332.98*	
		For Class 56 Rating, Add	*441.61*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.24	175.62
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*235.41*	
		For Class 55 Rating, Add	*351.62*	
		For Class 56 Rating, Add	*466.28*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,900.66	177.72
		For Class 52 Rating, Deduct	*-179.45*	
		For Class 54 Rating, Add	*247.94*	
		For Class 55 Rating, Add	*370.26*	
		For Class 56 Rating, Add	*490.96*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,987.11	179.81
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*260.47*	
		For Class 55 Rating, Add	*388.91*	
		For Class 56 Rating, Add	*515.64*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,073.53	181.90
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*273.00*	
		For Class 55 Rating, Add	*407.55*	
		For Class 56 Rating, Add	*540.31*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,159.96	183.98
		For Class 52 Rating, Deduct	*-206.93*	
		For Class 54 Rating, Add	*285.52*	
		For Class 55 Rating, Add	*426.20*	
		For Class 56 Rating, Add	*564.99*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,246.39	186.08
		For Class 52 Rating, Deduct	*-216.09*	
		For Class 54 Rating, Add	*298.05*	
		For Class 55 Rating, Add	*444.84*	
		For Class 56 Rating, Add	*589.66*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.82	188.17
		For Class 52 Rating, Deduct	*-225.25*	
		For Class 54 Rating, Add	*310.58*	
		For Class 55 Rating, Add	*463.48*	
		For Class 56 Rating, Add	*614.34*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,419.24	190.26
		For Class 52 Rating, Deduct	*-234.41*	
		For Class 54 Rating, Add	*323.10*	
		For Class 55 Rating, Add	*482.12*	
		For Class 56 Rating, Add	*639.01*	
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.67	192.36
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*335.63*	
		For Class 55 Rating, Add	*500.77*	
		For Class 56 Rating, Add	*663.69*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.11	194.44
		For Class 52 Rating, Deduct	*-252.73*	
		For Class 54 Rating, Add	*348.16*	
		For Class 55 Rating, Add	*519.41*	
		For Class 56 Rating, Add	*688.37*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,678.53	196.53
		For Class 52 Rating, Deduct	*-261.88*	
		For Class 54 Rating, Add	*360.69*	
		For Class 55 Rating, Add	*538.06*	
		For Class 56 Rating, Add	*713.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,764.97	198.63
		For Class 52 Rating, Deduct	*-271.04*	
		For Class 54 Rating, Add	*373.21*	
		For Class 55 Rating, Add	*556.70*	
		For Class 56 Rating, Add	*737.72*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.39	200.72
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*385.74*	
		For Class 55 Rating, Add	*575.34*	
		For Class 56 Rating, Add	*762.40*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.83	202.80
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*398.27*	
		For Class 55 Rating, Add	*593.99*	
		For Class 56 Rating, Add	*787.07*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,024.25	204.89
		For Class 52 Rating, Deduct	*-298.52*	
		For Class 54 Rating, Add	*410.80*	
		For Class 55 Rating, Add	*612.63*	
		For Class 56 Rating, Add	*811.75*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,110.67	206.99
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*423.32*	
		For Class 55 Rating, Add	*631.27*	
		For Class 56 Rating, Add	*836.42*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.12	209.08
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*435.85*	
		For Class 55 Rating, Add	*649.92*	
		For Class 56 Rating, Add	*861.10*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,283.54	211.17
		For Class 52 Rating, Deduct	*-325.99*	
		For Class 54 Rating, Add	*448.38*	
		For Class 55 Rating, Add	*668.56*	
		For Class 56 Rating, Add	*885.78*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.97	213.26
		For Class 52 Rating, Deduct	*-335.15*	
		For Class 54 Rating, Add	*460.90*	
		For Class 55 Rating, Add	*687.20*	
		For Class 56 Rating, Add	*910.45*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.40	215.35
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*473.43*	
		For Class 55 Rating, Add	*705.85*	
		For Class 56 Rating, Add	*935.13*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.83	217.44
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*485.96*	
		For Class 55 Rating, Add	*724.49*	
		For Class 56 Rating, Add	*959.80*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,629.25	219.53
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*498.49*	
		For Class 55 Rating, Add	*743.13*	
		For Class 56 Rating, Add	*984.48*	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,715.69	221.63
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*511.01*	
		For Class 55 Rating, Add	*761.77*	
		For Class 56 Rating, Add	*1,009.16*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.12	223.71
		For Class 52 Rating, Deduct	*-380.95*	
		For Class 54 Rating, Add	*523.54*	
		For Class 55 Rating, Add	*780.42*	
		For Class 56 Rating, Add	*1,033.83*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,888.54	225.80
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*536.07*	
		For Class 55 Rating, Add	*799.06*	
		For Class 56 Rating, Add	*1,058.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,974.98	227.90
		For Class 52 Rating, Deduct	*-399.26*	
		For Class 54 Rating, Add	*548.60*	
		For Class 55 Rating, Add	*817.71*	
		For Class 56 Rating, Add	*1,083.19*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,061.40	229.99
		For Class 52 Rating, Deduct	*-408.42*	
		For Class 54 Rating, Add	*561.12*	
		For Class 55 Rating, Add	*836.35*	
		For Class 56 Rating, Add	*1,107.86*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,092.83	192.36
		For Class 52 Rating, Deduct	*-88.15*	
		For Class 54 Rating, Add	*123.71*	
		For Class 55 Rating, Add	*185.70*	
		For Class 56 Rating, Add	*246.90*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.49	194.44
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*140.92*	
		For Class 55 Rating, Add	*211.31*	
		For Class 56 Rating, Add	*280.79*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,328.13	196.53
		For Class 52 Rating, Deduct	*-113.34*	
		For Class 54 Rating, Add	*158.13*	
		For Class 55 Rating, Add	*236.92*	
		For Class 56 Rating, Add	*314.68*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,445.79	198.63
		For Class 52 Rating, Deduct	*-125.93*	
		For Class 54 Rating, Add	*175.34*	
		For Class 55 Rating, Add	*262.52*	
		For Class 56 Rating, Add	*348.56*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.44	200.72
		For Class 52 Rating, Deduct	*-138.53*	
		For Class 54 Rating, Add	*192.55*	
		For Class 55 Rating, Add	*288.13*	
		For Class 56 Rating, Add	*382.45*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,681.10	202.80
		For Class 52 Rating, Deduct	*-151.12*	
		For Class 54 Rating, Add	*209.76*	
		For Class 55 Rating, Add	*313.73*	
		For Class 56 Rating, Add	*416.34*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.75	204.89
		For Class 52 Rating, Deduct	*-163.71*	
		For Class 54 Rating, Add	*226.97*	
		For Class 55 Rating, Add	*339.34*	
		For Class 56 Rating, Add	*450.22*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.39	206.99
		For Class 52 Rating, Deduct	*-176.31*	
		For Class 54 Rating, Add	*244.18*	
		For Class 55 Rating, Add	*364.95*	
		For Class 56 Rating, Add	*484.11*	
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,034.06	209.08
		For Class 52 Rating, Deduct	*-188.90*	
		For Class 54 Rating, Add	*261.39*	
		For Class 55 Rating, Add	*390.55*	
		For Class 56 Rating, Add	*518.00*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,151.70	211.17
		For Class 52 Rating, Deduct	*-201.49*	
		For Class 54 Rating, Add	*278.60*	
		For Class 55 Rating, Add	*416.16*	
		For Class 56 Rating, Add	*551.88*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,269.36	213.26
		For Class 52 Rating, Deduct	*-214.09*	
		For Class 54 Rating, Add	*295.81*	
		For Class 55 Rating, Add	*441.77*	
		For Class 56 Rating, Add	*585.77*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,387.01	215.35
		For Class 52 Rating, Deduct	*-226.68*	
		For Class 54 Rating, Add	*313.02*	
		For Class 55 Rating, Add	*467.37*	
		For Class 56 Rating, Add	*619.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.67	217.44
		For Class 52 Rating, Deduct	*-239.27*	
		For Class 54 Rating, Add	*330.24*	
		For Class 55 Rating, Add	*492.98*	
		For Class 56 Rating, Add	*653.55*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.31	219.53
		For Class 52 Rating, Deduct	*-251.87*	
		For Class 54 Rating, Add	*347.44*	
		For Class 55 Rating, Add	*518.58*	
		For Class 56 Rating, Add	*687.43*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,739.97	221.63
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*364.66*	
		For Class 55 Rating, Add	*544.19*	
		For Class 56 Rating, Add	*721.32*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,857.62	223.71
		For Class 52 Rating, Deduct	*-277.05*	
		For Class 54 Rating, Add	*381.87*	
		For Class 55 Rating, Add	*569.80*	
		For Class 56 Rating, Add	*755.21*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,975.26	225.80
		For Class 52 Rating, Deduct	*-289.65*	
		For Class 54 Rating, Add	*399.08*	
		For Class 55 Rating, Add	*595.40*	
		For Class 56 Rating, Add	*789.09*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.93	227.90
		For Class 52 Rating, Deduct	*-302.24*	
		For Class 54 Rating, Add	*416.29*	
		For Class 55 Rating, Add	*621.01*	
		For Class 56 Rating, Add	*822.98*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.57	229.99
		For Class 52 Rating, Deduct	*-314.83*	
		For Class 54 Rating, Add	*433.50*	
		For Class 55 Rating, Add	*646.61*	
		For Class 56 Rating, Add	*856.87*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,328.23	232.07
		For Class 52 Rating, Deduct	*-327.43*	
		For Class 54 Rating, Add	*450.71*	
		For Class 55 Rating, Add	*672.22*	
		For Class 56 Rating, Add	*890.76*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,445.88	234.16
		For Class 52 Rating, Deduct	*-340.02*	
		For Class 54 Rating, Add	*467.92*	
		For Class 55 Rating, Add	*697.83*	
		For Class 56 Rating, Add	*924.64*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.54	236.26
		For Class 52 Rating, Deduct	*-352.61*	
		For Class 54 Rating, Add	*485.13*	
		For Class 55 Rating, Add	*723.43*	
		For Class 56 Rating, Add	*958.53*	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,681.18	238.35
		For Class 52 Rating, Deduct	*-365.21*	
		For Class 54 Rating, Add	*502.34*	
		For Class 55 Rating, Add	*749.04*	
		For Class 56 Rating, Add	*992.42*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,798.83	240.44
		For Class 52 Rating, Deduct	*-377.80*	
		For Class 54 Rating, Add	*519.55*	
		For Class 55 Rating, Add	*774.64*	
		For Class 56 Rating, Add	*1,026.30*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,916.49	242.53
		For Class 52 Rating, Deduct	*-390.39*	
		For Class 54 Rating, Add	*536.76*	
		For Class 55 Rating, Add	*800.25*	
		For Class 56 Rating, Add	*1,060.19*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,034.13	244.62
		For Class 52 Rating, Deduct	*-402.99*	
		For Class 54 Rating, Add	*553.97*	
		For Class 55 Rating, Add	*825.86*	
		For Class 56 Rating, Add	*1,094.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,151.80	246.71
		For Class 52 Rating, Deduct	*-415.58*	
		For Class 54 Rating, Add	*571.18*	
		For Class 55 Rating, Add	*851.46*	
		For Class 56 Rating, Add	*1,127.96*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,269.44	248.80
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*588.39*	
		For Class 55 Rating, Add	*877.07*	
		For Class 56 Rating, Add	*1,161.85*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,387.11	250.90
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*605.61*	
		For Class 55 Rating, Add	*902.68*	
		For Class 56 Rating, Add	*1,195.74*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,504.75	252.98
		For Class 52 Rating, Deduct	*-453.36*	
		For Class 54 Rating, Add	*622.82*	
		For Class 55 Rating, Add	*928.28*	
		For Class 56 Rating, Add	*1,229.62*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,622.41	255.07
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*640.03*	
		For Class 55 Rating, Add	*953.89*	
		For Class 56 Rating, Add	*1,263.51*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.06	257.17
		For Class 52 Rating, Deduct	*-478.55*	
		For Class 54 Rating, Add	*657.24*	
		For Class 55 Rating, Add	*979.49*	
		For Class 56 Rating, Add	*1,297.40*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,857.70	259.26
		For Class 52 Rating, Deduct	*-491.14*	
		For Class 54 Rating, Add	*674.45*	
		For Class 55 Rating, Add	*1,005.10*	
		For Class 56 Rating, Add	*1,331.28*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,975.36	261.35
		For Class 52 Rating, Deduct	*-503.73*	
		For Class 54 Rating, Add	*691.66*	
		For Class 55 Rating, Add	*1,030.71*	
		For Class 56 Rating, Add	*1,365.17*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,093.01	263.43
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*708.87*	
		For Class 55 Rating, Add	*1,056.31*	
		For Class 56 Rating, Add	*1,399.06*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,210.67	265.53
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*726.08*	
		For Class 55 Rating, Add	*1,081.92*	
		For Class 56 Rating, Add	*1,432.95*	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,328.31	267.62
		For Class 52 Rating, Deduct	*-541.51*	
		For Class 54 Rating, Add	*743.29*	
		For Class 55 Rating, Add	*1,107.52*	
		For Class 56 Rating, Add	*1,466.83*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,445.98	269.71
		For Class 52 Rating, Deduct	*-554.11*	
		For Class 54 Rating, Add	*760.50*	
		For Class 55 Rating, Add	*1,133.13*	
		For Class 56 Rating, Add	*1,500.72*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,563.62	271.80
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*777.71*	
		For Class 55 Rating, Add	*1,158.74*	
		For Class 56 Rating, Add	*1,534.61*	
40 05 19 00-0675		10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,379.96	234.16
		For Class 52 Rating, Deduct	*-112.77*	
		For Class 54 Rating, Add	*158.03*	
		For Class 55 Rating, Add	*237.13*	
		For Class 56 Rating, Add	*315.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.04	236.26
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*180.71*	
		For Class 55 Rating, Add	*270.85*	
		For Class 56 Rating, Add	*359.83*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,688.11	238.35
		For Class 52 Rating, Deduct	*-145.97*	
		For Class 54 Rating, Add	*203.38*	
		For Class 55 Rating, Add	*304.58*	
		For Class 56 Rating, Add	*404.46*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,842.19	240.44
		For Class 52 Rating, Deduct	*-162.57*	
		For Class 54 Rating, Add	*226.06*	
		For Class 55 Rating, Add	*338.31*	
		For Class 56 Rating, Add	*449.09*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,996.27	242.53
		For Class 52 Rating, Deduct	*-179.17*	
		For Class 54 Rating, Add	*248.73*	
		For Class 55 Rating, Add	*372.04*	
		For Class 56 Rating, Add	*493.72*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,150.34	244.62
		For Class 52 Rating, Deduct	*-195.77*	
		For Class 54 Rating, Add	*271.40*	
		For Class 55 Rating, Add	*405.77*	
		For Class 56 Rating, Add	*538.36*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.43	246.71
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*294.08*	
		For Class 55 Rating, Add	*439.50*	
		For Class 56 Rating, Add	*582.99*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.51	248.80
		For Class 52 Rating, Deduct	*-228.97*	
		For Class 54 Rating, Add	*316.75*	
		For Class 55 Rating, Add	*473.23*	
		For Class 56 Rating, Add	*627.63*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.60	250.90
		For Class 52 Rating, Deduct	*-245.57*	
		For Class 54 Rating, Add	*339.43*	
		For Class 55 Rating, Add	*506.96*	
		For Class 56 Rating, Add	*672.26*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.67	252.98
		For Class 52 Rating, Deduct	*-262.17*	
		For Class 54 Rating, Add	*362.10*	
		For Class 55 Rating, Add	*540.69*	
		For Class 56 Rating, Add	*716.89*	
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,920.75	255.07
		For Class 52 Rating, Deduct	*-278.77*	
		For Class 54 Rating, Add	*384.78*	
		For Class 55 Rating, Add	*574.42*	
		For Class 56 Rating, Add	*761.52*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,074.83	257.17
		For Class 52 Rating, Deduct	*-295.37*	
		For Class 54 Rating, Add	*407.45*	
		For Class 55 Rating, Add	*608.15*	
		For Class 56 Rating, Add	*806.16*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.90	259.26
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*430.13*	
		For Class 55 Rating, Add	*641.88*	
		For Class 56 Rating, Add	*850.79*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,382.98	261.35
		For Class 52 Rating, Deduct	*-328.57*	
		For Class 54 Rating, Add	*452.80*	
		For Class 55 Rating, Add	*675.60*	
		For Class 56 Rating, Add	*895.42*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.07	263.43
		For Class 52 Rating, Deduct	*-345.17*	
		For Class 54 Rating, Add	*475.48*	
		For Class 55 Rating, Add	*709.34*	
		For Class 56 Rating, Add	*940.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,691.15	265.53
		For Class 52 Rating, Deduct	*-361.77*	
		For Class 54 Rating, Add	*498.15*	
		For Class 55 Rating, Add	*743.06*	
		For Class 56 Rating, Add	*984.69*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,845.22	267.62
		For Class 52 Rating, Deduct	*-378.37*	
		For Class 54 Rating, Add	*520.83*	
		For Class 55 Rating, Add	*776.79*	
		For Class 56 Rating, Add	*1,029.32*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.31	269.71
		For Class 52 Rating, Deduct	*-394.97*	
		For Class 54 Rating, Add	*543.50*	
		For Class 55 Rating, Add	*810.52*	
		For Class 56 Rating, Add	*1,073.95*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,153.38	271.80
		For Class 52 Rating, Deduct	*-411.57*	
		For Class 54 Rating, Add	*566.18*	
		For Class 55 Rating, Add	*844.25*	
		For Class 56 Rating, Add	*1,118.59*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,307.45	273.89
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*588.85*	
		For Class 55 Rating, Add	*877.98*	
		For Class 56 Rating, Add	*1,163.22*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,461.54	275.98
		For Class 52 Rating, Deduct	*-444.77*	
		For Class 54 Rating, Add	*611.52*	
		For Class 55 Rating, Add	*911.71*	
		For Class 56 Rating, Add	*1,207.85*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,615.62	278.08
		For Class 52 Rating, Deduct	*-461.37*	
		For Class 54 Rating, Add	*634.20*	
		For Class 55 Rating, Add	*945.44*	
		For Class 56 Rating, Add	*1,252.49*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,769.70	280.17
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*656.88*	
		For Class 55 Rating, Add	*979.17*	
		For Class 56 Rating, Add	*1,297.12*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,923.78	282.25
		For Class 52 Rating, Deduct	*-494.57*	
		For Class 54 Rating, Add	*679.55*	
		For Class 55 Rating, Add	*1,012.90*	
		For Class 56 Rating, Add	*1,341.75*	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,077.86	284.34
		For Class 52 Rating, Deduct	*-511.17*	
		For Class 54 Rating, Add	*702.22*	
		For Class 55 Rating, Add	*1,046.63*	
		For Class 56 Rating, Add	*1,386.38*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,231.93	286.44
		For Class 52 Rating, Deduct	*-527.77*	
		For Class 54 Rating, Add	*724.90*	
		For Class 55 Rating, Add	*1,080.36*	
		For Class 56 Rating, Add	*1,431.02*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,386.02	288.53
		For Class 52 Rating, Deduct	*-544.37*	
		For Class 54 Rating, Add	*747.57*	
		For Class 55 Rating, Add	*1,114.09*	
		For Class 56 Rating, Add	*1,475.65*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,540.09	290.62
		For Class 52 Rating, Deduct	*-560.97*	
		For Class 54 Rating, Add	*770.25*	
		For Class 55 Rating, Add	*1,147.81*	
		For Class 56 Rating, Add	*1,520.28*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,694.16	292.71
		For Class 52 Rating, Deduct	*-577.57*	
		For Class 54 Rating, Add	*792.92*	
		For Class 55 Rating, Add	*1,181.54*	
		For Class 56 Rating, Add	*1,564.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,848.26	294.80
		For Class 52 Rating, Deduct	*-594.17*	
		For Class 54 Rating, Add	*815.60*	
		For Class 55 Rating, Add	*1,215.27*	
		For Class 56 Rating, Add	*1,609.55*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,002.33	296.89
		For Class 52 Rating, Deduct	*-610.78*	
		For Class 54 Rating, Add	*838.27*	
		For Class 55 Rating, Add	*1,249.00*	
		For Class 56 Rating, Add	*1,654.18*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,156.41	298.98
		For Class 52 Rating, Deduct	*-627.38*	
		For Class 54 Rating, Add	*860.95*	
		For Class 55 Rating, Add	*1,282.73*	
		For Class 56 Rating, Add	*1,698.81*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,310.49	301.08
		For Class 52 Rating, Deduct	*-643.98*	
		For Class 54 Rating, Add	*883.62*	
		For Class 55 Rating, Add	*1,316.46*	
		For Class 56 Rating, Add	*1,743.45*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,464.57	303.16
		For Class 52 Rating, Deduct	*-660.58*	
		For Class 54 Rating, Add	*906.30*	
		For Class 55 Rating, Add	*1,350.19*	
		For Class 56 Rating, Add	*1,788.08*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,618.64	305.25
		For Class 52 Rating, Deduct	*-677.18*	
		For Class 54 Rating, Add	*928.97*	
		For Class 55 Rating, Add	*1,383.92*	
		For Class 56 Rating, Add	*1,832.71*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.73	307.35
		For Class 52 Rating, Deduct	*-693.78*	
		For Class 54 Rating, Add	*951.65*	
		For Class 55 Rating, Add	*1,417.65*	
		For Class 56 Rating, Add	*1,877.34*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,926.81	309.44
		For Class 52 Rating, Deduct	*-710.38*	
		For Class 54 Rating, Add	*974.32*	
		For Class 55 Rating, Add	*1,451.38*	
		For Class 56 Rating, Add	*1,921.98*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,080.89	311.52
		For Class 52 Rating, Deduct	*-726.98*	
		For Class 54 Rating, Add	*997.00*	
		For Class 55 Rating, Add	*1,485.11*	
		For Class 56 Rating, Add	*1,966.61*	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,234.97	313.61
		For Class 52 Rating, Deduct	*-743.58*	
		For Class 54 Rating, Add	*1,019.67*	
		For Class 55 Rating, Add	*1,518.84*	
		For Class 56 Rating, Add	*2,011.24*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,801.69	292.71
		For Class 52 Rating, Deduct	*-149.40*	
		For Class 54 Rating, Add	*209.05*	
		For Class 55 Rating, Add	*313.52*	
		For Class 56 Rating, Add	*416.63*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,994.81	294.80
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*237.58*	
		For Class 55 Rating, Add	*355.96*	
		For Class 56 Rating, Add	*472.78*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,187.91	296.89
		For Class 52 Rating, Deduct	*-191.19*	
		For Class 54 Rating, Add	*266.11*	
		For Class 55 Rating, Add	*398.39*	
		For Class 56 Rating, Add	*528.93*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.02	298.98
		For Class 52 Rating, Deduct	*-212.08*	
		For Class 54 Rating, Add	*294.64*	
		For Class 55 Rating, Add	*440.82*	
		For Class 56 Rating, Add	*585.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,574.13	301.08
		For Class 52 Rating, Deduct	*-232.98*	
		For Class 54 Rating, Add	*323.17*	
		For Class 55 Rating, Add	*483.25*	
		For Class 56 Rating, Add	*641.22*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,767.24	303.16
		For Class 52 Rating, Deduct	*-253.87*	
		For Class 54 Rating, Add	*351.70*	
		For Class 55 Rating, Add	*525.69*	
		For Class 56 Rating, Add	*697.37*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,960.34	305.25
		For Class 52 Rating, Deduct	*-274.76*	
		For Class 54 Rating, Add	*380.23*	
		For Class 55 Rating, Add	*568.12*	
		For Class 56 Rating, Add	*753.51*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,153.46	307.35
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*408.76*	
		For Class 55 Rating, Add	*610.55*	
		For Class 56 Rating, Add	*809.66*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.56	309.44
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*437.28*	
		For Class 55 Rating, Add	*652.98*	
		For Class 56 Rating, Add	*865.81*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,539.67	311.52
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*465.81*	
		For Class 55 Rating, Add	*695.42*	
		For Class 56 Rating, Add	*921.95*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,732.78	313.61
		For Class 52 Rating, Deduct	*-358.34*	
		For Class 54 Rating, Add	*494.34*	
		For Class 55 Rating, Add	*737.85*	
		For Class 56 Rating, Add	*978.10*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,925.88	315.71
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*522.87*	
		For Class 55 Rating, Add	*780.28*	
		For Class 56 Rating, Add	*1,034.24*	
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,119.00	317.80
		For Class 52 Rating, Deduct	*-400.12*	
		For Class 54 Rating, Add	*551.40*	
		For Class 55 Rating, Add	*822.71*	
		For Class 56 Rating, Add	*1,090.39*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,312.10	319.89
		For Class 52 Rating, Deduct	*-421.02*	
		For Class 54 Rating, Add	*579.93*	
		For Class 55 Rating, Add	*865.15*	
		For Class 56 Rating, Add	*1,146.54*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,505.21	321.98
		For Class 52 Rating, Deduct	*-441.91*	
		For Class 54 Rating, Add	*608.46*	
		For Class 55 Rating, Add	*907.58*	
		For Class 56 Rating, Add	*1,202.68*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,698.32	324.07
		For Class 52 Rating, Deduct	*-462.80*	
		For Class 54 Rating, Add	*636.99*	
		For Class 55 Rating, Add	*950.01*	
		For Class 56 Rating, Add	*1,258.83*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,891.42	326.16
		For Class 52 Rating, Deduct	*-483.70*	
		For Class 54 Rating, Add	*665.52*	
		For Class 55 Rating, Add	*992.44*	
		For Class 56 Rating, Add	*1,314.98*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,084.53	328.25
		For Class 52 Rating, Deduct	*-504.59*	
		For Class 54 Rating, Add	*694.05*	
		For Class 55 Rating, Add	*1,034.88*	
		For Class 56 Rating, Add	*1,371.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,277.65	330.35
		For Class 52 Rating, Deduct	*-525.48*	
		For Class 54 Rating, Add	*722.58*	
		For Class 55 Rating, Add	*1,077.31*	
		For Class 56 Rating, Add	*1,427.27*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,470.76	332.43
		For Class 52 Rating, Deduct	*-546.38*	
		For Class 54 Rating, Add	*751.10*	
		For Class 55 Rating, Add	*1,119.75*	
		For Class 56 Rating, Add	*1,483.42*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,663.86	334.52
		For Class 52 Rating, Deduct	*-567.27*	
		For Class 54 Rating, Add	*779.63*	
		For Class 55 Rating, Add	*1,162.18*	
		For Class 56 Rating, Add	*1,539.56*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,856.98	336.62
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*808.16*	
		For Class 55 Rating, Add	*1,204.61*	
		For Class 56 Rating, Add	*1,595.71*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,050.08	338.71
		For Class 52 Rating, Deduct	*-609.06*	
		For Class 54 Rating, Add	*836.69*	
		For Class 55 Rating, Add	*1,247.04*	
		For Class 56 Rating, Add	*1,651.86*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,243.19	340.79
		For Class 52 Rating, Deduct	*-629.95*	
		For Class 54 Rating, Add	*865.22*	
		For Class 55 Rating, Add	*1,289.48*	
		For Class 56 Rating, Add	*1,708.00*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,436.30	342.89
		For Class 52 Rating, Deduct	*-650.84*	
		For Class 54 Rating, Add	*893.75*	
		For Class 55 Rating, Add	*1,331.91*	
		For Class 56 Rating, Add	*1,764.15*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,629.40	344.98
		For Class 52 Rating, Deduct	*-671.74*	
		For Class 54 Rating, Add	*922.28*	
		For Class 55 Rating, Add	*1,374.34*	
		For Class 56 Rating, Add	*1,820.30*	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,822.51	347.07
		For Class 52 Rating, Deduct	*-692.63*	
		For Class 54 Rating, Add	*950.81*	
		For Class 55 Rating, Add	*1,416.77*	
		For Class 56 Rating, Add	*1,876.44*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,015.62	349.16
		For Class 52 Rating, Deduct	*-713.52*	
		For Class 54 Rating, Add	*979.34*	
		For Class 55 Rating, Add	*1,459.21*	
		For Class 56 Rating, Add	*1,932.59*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,208.73	351.25
		For Class 52 Rating, Deduct	*-734.42*	
		For Class 54 Rating, Add	*1,007.87*	
		For Class 55 Rating, Add	*1,501.64*	
		For Class 56 Rating, Add	*1,988.74*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,401.83	353.34
		For Class 52 Rating, Deduct	*-755.31*	
		For Class 54 Rating, Add	*1,036.39*	
		For Class 55 Rating, Add	*1,544.07*	
		For Class 56 Rating, Add	*2,044.88*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,594.95	355.43
		For Class 52 Rating, Deduct	*-776.21*	
		For Class 54 Rating, Add	*1,064.92*	
		For Class 55 Rating, Add	*1,586.50*	
		For Class 56 Rating, Add	*2,101.03*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,788.05	357.53
		For Class 52 Rating, Deduct	*-797.10*	
		For Class 54 Rating, Add	*1,093.45*	
		For Class 55 Rating, Add	*1,628.94*	
		For Class 56 Rating, Add	*2,157.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,981.15	359.62
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,121.98*	
		For Class 55 Rating, Add	*1,671.37*	
		For Class 56 Rating, Add	*2,213.32*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,174.27	361.70
		For Class 52 Rating, Deduct	*-838.89*	
		For Class 54 Rating, Add	*1,150.51*	
		For Class 55 Rating, Add	*1,713.80*	
		For Class 56 Rating, Add	*2,269.47*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,367.37	363.79
		For Class 52 Rating, Deduct	*-859.78*	
		For Class 54 Rating, Add	*1,179.04*	
		For Class 55 Rating, Add	*1,756.23*	
		For Class 56 Rating, Add	*2,325.61*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,560.49	365.89
		For Class 52 Rating, Deduct	*-880.67*	
		For Class 54 Rating, Add	*1,207.57*	
		For Class 55 Rating, Add	*1,798.67*	
		For Class 56 Rating, Add	*2,381.76*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,753.59	367.98
		For Class 52 Rating, Deduct	*-901.57*	
		For Class 54 Rating, Add	*1,236.10*	
		For Class 55 Rating, Add	*1,841.10*	
		For Class 56 Rating, Add	*2,437.91*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,946.70	370.07
		For Class 52 Rating, Deduct	*-922.46*	
		For Class 54 Rating, Add	*1,264.63*	
		For Class 55 Rating, Add	*1,883.53*	
		For Class 56 Rating, Add	*2,494.05*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,139.81	372.16
		For Class 52 Rating, Deduct	*-943.35*	
		For Class 54 Rating, Add	*1,293.16*	
		For Class 55 Rating, Add	*1,925.97*	
		For Class 56 Rating, Add	*2,550.20*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.70	351.25
		For Class 52 Rating, Deduct	*-223.25*	
		For Class 54 Rating, Add	*310.81*	
		For Class 55 Rating, Add	*465.35*	
		For Class 56 Rating, Add	*617.86*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.43	353.34
		For Class 52 Rating, Deduct	*-248.72*	
		For Class 54 Rating, Add	*345.58*	
		For Class 55 Rating, Add	*517.07*	
		For Class 56 Rating, Add	*686.29*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.18	355.43
		For Class 52 Rating, Deduct	*-274.19*	
		For Class 54 Rating, Add	*380.36*	
		For Class 55 Rating, Add	*568.78*	
		For Class 56 Rating, Add	*754.72*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.91	357.53
		For Class 52 Rating, Deduct	*-299.66*	
		For Class 54 Rating, Add	*415.13*	
		For Class 55 Rating, Add	*620.50*	
		For Class 56 Rating, Add	*823.14*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.64	359.62
		For Class 52 Rating, Deduct	*-325.14*	
		For Class 54 Rating, Add	*449.91*	
		For Class 55 Rating, Add	*672.22*	
		For Class 56 Rating, Add	*891.57*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.39	361.70
		For Class 52 Rating, Deduct	*-350.61*	
		For Class 54 Rating, Add	*484.68*	
		For Class 55 Rating, Add	*723.93*	
		For Class 56 Rating, Add	*960.00*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,970.12	363.79
		For Class 52 Rating, Deduct	*-376.08*	
		For Class 54 Rating, Add	*519.45*	
		For Class 55 Rating, Add	*775.65*	
		For Class 56 Rating, Add	*1,028.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,204.87	365.89
		For Class 52 Rating, Deduct	*-401.55*	
		For Class 54 Rating, Add	*554.23*	
		For Class 55 Rating, Add	*827.36*	
		For Class 56 Rating, Add	*1,096.85*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,439.60	367.98
		For Class 52 Rating, Deduct	*-427.03*	
		For Class 54 Rating, Add	*589.00*	
		For Class 55 Rating, Add	*879.08*	
		For Class 56 Rating, Add	*1,165.28*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,674.35	370.07
		For Class 52 Rating, Deduct	*-452.50*	
		For Class 54 Rating, Add	*623.77*	
		For Class 55 Rating, Add	*930.80*	
		For Class 56 Rating, Add	*1,233.71*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,909.09	372.16
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*658.55*	
		For Class 55 Rating, Add	*982.51*	
		For Class 56 Rating, Add	*1,302.14*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,143.83	374.25
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*693.32*	
		For Class 55 Rating, Add	*1,034.23*	
		For Class 56 Rating, Add	*1,370.56*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,378.56	376.34
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*728.10*	
		For Class 55 Rating, Add	*1,085.95*	
		For Class 56 Rating, Add	*1,438.99*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.30	378.43
		For Class 52 Rating, Deduct	*-554.39*	
		For Class 54 Rating, Add	*762.87*	
		For Class 55 Rating, Add	*1,137.66*	
		For Class 56 Rating, Add	*1,507.42*	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,848.04	380.52
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*797.64*	
		For Class 55 Rating, Add	*1,189.38*	
		For Class 56 Rating, Add	*1,575.85*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,082.77	382.61
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*832.42*	
		For Class 55 Rating, Add	*1,241.10*	
		For Class 56 Rating, Add	*1,644.27*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,317.52	384.70
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*867.19*	
		For Class 55 Rating, Add	*1,292.81*	
		For Class 56 Rating, Add	*1,712.70*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,552.25	386.80
		For Class 52 Rating, Deduct	*-656.28*	
		For Class 54 Rating, Add	*901.96*	
		For Class 55 Rating, Add	*1,344.53*	
		For Class 56 Rating, Add	*1,781.13*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,786.99	388.89
		For Class 52 Rating, Deduct	*-681.75*	
		For Class 54 Rating, Add	*936.74*	
		For Class 55 Rating, Add	*1,396.24*	
		For Class 56 Rating, Add	*1,849.55*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,021.73	390.97
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*971.51*	
		For Class 55 Rating, Add	*1,447.96*	
		For Class 56 Rating, Add	*1,917.98*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,256.48	393.06
		For Class 52 Rating, Deduct	*-732.70*	
		For Class 54 Rating, Add	*1,006.28*	
		For Class 55 Rating, Add	*1,499.68*	
		For Class 56 Rating, Add	*1,986.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,491.21	395.16
		For Class 52 Rating, Deduct	*-758.17*	
		For Class 54 Rating, Add	*1,041.06*	
		For Class 55 Rating, Add	*1,551.39*	
		For Class 56 Rating, Add	*2,054.84*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,725.95	397.25
		For Class 52 Rating, Deduct	*-783.65*	
		For Class 54 Rating, Add	*1,075.83*	
		For Class 55 Rating, Add	*1,603.11*	
		For Class 56 Rating, Add	*2,123.27*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,960.69	399.34
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,110.61*	
		For Class 55 Rating, Add	*1,654.83*	
		For Class 56 Rating, Add	*2,191.69*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,195.42	401.43
		For Class 52 Rating, Deduct	*-834.59*	
		For Class 54 Rating, Add	*1,145.38*	
		For Class 55 Rating, Add	*1,706.54*	
		For Class 56 Rating, Add	*2,260.12*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,430.17	403.52
		For Class 52 Rating, Deduct	*-860.06*	
		For Class 54 Rating, Add	*1,180.15*	
		For Class 55 Rating, Add	*1,758.26*	
		For Class 56 Rating, Add	*2,328.55*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,664.90	405.61
		For Class 52 Rating, Deduct	*-885.54*	
		For Class 54 Rating, Add	*1,214.93*	
		For Class 55 Rating, Add	*1,809.98*	
		For Class 56 Rating, Add	*2,396.97*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,899.64	407.70
		For Class 52 Rating, Deduct	*-911.01*	
		For Class 54 Rating, Add	*1,249.70*	
		For Class 55 Rating, Add	*1,861.69*	
		For Class 56 Rating, Add	*2,465.40*	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,134.38	409.79
		For Class 52 Rating, Deduct	*-936.48*	
		For Class 54 Rating, Add	*1,284.47*	
		For Class 55 Rating, Add	*1,913.41*	
		For Class 56 Rating, Add	*2,533.83*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,369.11	411.88
		For Class 52 Rating, Deduct	*-961.96*	
		For Class 54 Rating, Add	*1,319.25*	
		For Class 55 Rating, Add	*1,965.12*	
		For Class 56 Rating, Add	*2,602.26*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,603.85	413.97
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,354.02*	
		For Class 55 Rating, Add	*2,016.84*	
		For Class 56 Rating, Add	*2,670.68*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,838.59	416.07
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,388.79*	
		For Class 55 Rating, Add	*2,068.56*	
		For Class 56 Rating, Add	*2,739.11*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,073.34	418.16
		For Class 52 Rating, Deduct	*-1,038.37*	
		For Class 54 Rating, Add	*1,423.57*	
		For Class 55 Rating, Add	*2,120.27*	
		For Class 56 Rating, Add	*2,807.54*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,308.08	420.24
		For Class 52 Rating, Deduct	*-1,063.85*	
		For Class 54 Rating, Add	*1,458.34*	
		For Class 55 Rating, Add	*2,171.99*	
		For Class 56 Rating, Add	*2,875.97*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,542.82	422.34
		For Class 52 Rating, Deduct	*-1,089.32*	
		For Class 54 Rating, Add	*1,493.12*	
		For Class 55 Rating, Add	*2,223.71*	
		For Class 56 Rating, Add	*2,944.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,777.55	424.43
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,527.89*	
		For Class 55 Rating, Add	*2,275.42*	
		For Class 56 Rating, Add	*3,012.82*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,012.30	426.52
		For Class 52 Rating, Deduct	*-1,140.27*	
		For Class 54 Rating, Add	*1,562.66*	
		For Class 55 Rating, Add	*2,327.14*	
		For Class 56 Rating, Add	*3,081.25*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,247.03	428.61
		For Class 52 Rating, Deduct	*-1,165.74*	
		For Class 54 Rating, Add	*1,597.44*	
		For Class 55 Rating, Add	*2,378.86*	
		For Class 56 Rating, Add	*3,149.68*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,009.79	401.43
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*367.53*	
		For Class 55 Rating, Add	*550.15*	
		For Class 56 Rating, Add	*730.36*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,283.57	403.52
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*408.16*	
		For Class 55 Rating, Add	*610.57*	
		For Class 56 Rating, Add	*810.30*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,557.33	405.61
		For Class 52 Rating, Deduct	*-323.70*	
		For Class 54 Rating, Add	*448.79*	
		For Class 55 Rating, Add	*670.99*	
		For Class 56 Rating, Add	*890.24*	
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,831.10	407.70
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*489.42*	
		For Class 55 Rating, Add	*731.41*	
		For Class 56 Rating, Add	*970.18*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,104.87	409.79
		For Class 52 Rating, Deduct	*-383.24*	
		For Class 54 Rating, Add	*530.05*	
		For Class 55 Rating, Add	*791.83*	
		For Class 56 Rating, Add	*1,050.12*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.63	411.88
		For Class 52 Rating, Deduct	*-413.00*	
		For Class 54 Rating, Add	*570.67*	
		For Class 55 Rating, Add	*852.25*	
		For Class 56 Rating, Add	*1,130.06*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,652.40	413.97
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*611.30*	
		For Class 55 Rating, Add	*912.67*	
		For Class 56 Rating, Add	*1,210.01*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.17	416.07
		For Class 52 Rating, Deduct	*-472.53*	
		For Class 54 Rating, Add	*651.93*	
		For Class 55 Rating, Add	*973.09*	
		For Class 56 Rating, Add	*1,289.95*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.94	418.16
		For Class 52 Rating, Deduct	*-502.30*	
		For Class 54 Rating, Add	*692.56*	
		For Class 55 Rating, Add	*1,033.51*	
		For Class 56 Rating, Add	*1,369.89*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.69	420.24
		For Class 52 Rating, Deduct	*-529.20*	
		For Class 54 Rating, Add	*729.28*	
		For Class 55 Rating, Add	*1,088.12*	
		For Class 56 Rating, Add	*1,442.15*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,747.48	422.34
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*773.81*	
		For Class 55 Rating, Add	*1,154.35*	
		For Class 56 Rating, Add	*1,529.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,021.24	424.43
		For Class 52 Rating, Deduct	*-591.60*	
		For Class 54 Rating, Add	*814.44*	
		For Class 55 Rating, Add	*1,214.77*	
		For Class 56 Rating, Add	*1,609.71*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,295.02	426.52
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*855.07*	
		For Class 55 Rating, Add	*1,275.19*	
		For Class 56 Rating, Add	*1,689.65*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,568.78	428.61
		For Class 52 Rating, Deduct	*-651.13*	
		For Class 54 Rating, Add	*895.70*	
		For Class 55 Rating, Add	*1,335.61*	
		For Class 56 Rating, Add	*1,769.59*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,842.54	430.70
		For Class 52 Rating, Deduct	*-680.90*	
		For Class 54 Rating, Add	*936.33*	
		For Class 55 Rating, Add	*1,396.02*	
		For Class 56 Rating, Add	*1,849.53*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,116.32	432.79
		For Class 52 Rating, Deduct	*-710.66*	
		For Class 54 Rating, Add	*976.95*	
		For Class 55 Rating, Add	*1,456.45*	
		For Class 56 Rating, Add	*1,929.48*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,390.08	434.88
		For Class 52 Rating, Deduct	*-740.43*	
		For Class 54 Rating, Add	*1,017.58*	
		For Class 55 Rating, Add	*1,516.86*	
		For Class 56 Rating, Add	*2,009.42*	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,663.85	436.98
		For Class 52 Rating, Deduct	*-770.19*	
		For Class 54 Rating, Add	*1,058.21*	
		For Class 55 Rating, Add	*1,577.28*	
		For Class 56 Rating, Add	*2,089.36*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,937.62	439.07
		For Class 52 Rating, Deduct	*-799.96*	
		For Class 54 Rating, Add	*1,098.84*	
		For Class 55 Rating, Add	*1,637.70*	
		For Class 56 Rating, Add	*2,169.30*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,211.39	441.15
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,139.47*	
		For Class 55 Rating, Add	*1,698.12*	
		For Class 56 Rating, Add	*2,249.24*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,485.15	443.24
		For Class 52 Rating, Deduct	*-859.49*	
		For Class 54 Rating, Add	*1,180.09*	
		For Class 55 Rating, Add	*1,758.54*	
		For Class 56 Rating, Add	*2,329.18*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,758.92	445.34
		For Class 52 Rating, Deduct	*-889.26*	
		For Class 54 Rating, Add	*1,220.72*	
		For Class 55 Rating, Add	*1,818.96*	
		For Class 56 Rating, Add	*2,409.12*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,032.69	447.43
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,261.35*	
		For Class 55 Rating, Add	*1,879.38*	
		For Class 56 Rating, Add	*2,489.06*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,306.44	449.51
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,301.98*	
		For Class 55 Rating, Add	*1,939.80*	
		For Class 56 Rating, Add	*2,569.00*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,580.22	451.61
		For Class 52 Rating, Deduct	*-978.56*	
		For Class 54 Rating, Add	*1,342.61*	
		For Class 55 Rating, Add	*2,000.22*	
		For Class 56 Rating, Add	*2,648.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,853.98	453.70
		For Class 52 Rating, Deduct	*-1,008.32*	
		For Class 54 Rating, Add	*1,383.23*	
		For Class 55 Rating, Add	*2,060.64*	
		For Class 56 Rating, Add	*2,728.88*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,127.75	455.79
		For Class 52 Rating, Deduct	*-1,038.09*	
		For Class 54 Rating, Add	*1,423.86*	
		For Class 55 Rating, Add	*2,121.06*	
		For Class 56 Rating, Add	*2,808.82*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,401.52	457.88
		For Class 52 Rating, Deduct	*-1,067.85*	
		For Class 54 Rating, Add	*1,464.49*	
		For Class 55 Rating, Add	*2,181.48*	
		For Class 56 Rating, Add	*2,888.76*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,675.29	459.97
		For Class 52 Rating, Deduct	*-1,097.62*	
		For Class 54 Rating, Add	*1,505.12*	
		For Class 55 Rating, Add	*2,241.90*	
		For Class 56 Rating, Add	*2,968.71*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,949.05	462.06
		For Class 52 Rating, Deduct	*-1,127.39*	
		For Class 54 Rating, Add	*1,545.75*	
		For Class 55 Rating, Add	*2,302.32*	
		For Class 56 Rating, Add	*3,048.65*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,222.82	464.15
		For Class 52 Rating, Deduct	*-1,157.15*	
		For Class 54 Rating, Add	*1,586.37*	
		For Class 55 Rating, Add	*2,362.74*	
		For Class 56 Rating, Add	*3,128.59*	
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,496.59	466.25
		For Class 52 Rating, Deduct	*-1,186.92*	
		For Class 54 Rating, Add	*1,627.00*	
		For Class 55 Rating, Add	*2,423.16*	
		For Class 56 Rating, Add	*3,208.53*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,770.35	468.34
		For Class 52 Rating, Deduct	*-1,216.68*	
		For Class 54 Rating, Add	*1,667.63*	
		For Class 55 Rating, Add	*2,483.58*	
		For Class 56 Rating, Add	*3,288.47*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,044.13	470.42
		For Class 52 Rating, Deduct	*-1,246.45*	
		For Class 54 Rating, Add	*1,708.26*	
		For Class 55 Rating, Add	*2,544.00*	
		For Class 56 Rating, Add	*3,368.41*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,317.89	472.51
		For Class 52 Rating, Deduct	*-1,276.22*	
		For Class 54 Rating, Add	*1,748.89*	
		For Class 55 Rating, Add	*2,604.42*	
		For Class 56 Rating, Add	*3,448.35*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,591.66	474.61
		For Class 52 Rating, Deduct	*-1,305.98*	
		For Class 54 Rating, Add	*1,789.51*	
		For Class 55 Rating, Add	*2,664.84*	
		For Class 56 Rating, Add	*3,528.29*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,865.43	476.70
		For Class 52 Rating, Deduct	*-1,335.75*	
		For Class 54 Rating, Add	*1,830.14*	
		For Class 55 Rating, Add	*2,725.26*	
		For Class 56 Rating, Add	*3,608.23*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,139.19	478.79
		For Class 52 Rating, Deduct	*-1,365.51*	
		For Class 54 Rating, Add	*1,870.77*	
		For Class 55 Rating, Add	*2,785.68*	
		For Class 56 Rating, Add	*3,688.17*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,534.62	452.45
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*435.59*	
		For Class 55 Rating, Add	*651.80*	
		For Class 56 Rating, Add	*865.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,850.02	454.54
		For Class 52 Rating, Deduct	*-347.75*	
		For Class 54 Rating, Add	*482.46*	
		For Class 55 Rating, Add	*721.51*	
		For Class 56 Rating, Add	*957.39*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,165.42	456.63
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*529.34*	
		For Class 55 Rating, Add	*791.21*	
		For Class 56 Rating, Add	*1,049.61*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,480.81	458.72
		For Class 52 Rating, Deduct	*-416.44*	
		For Class 54 Rating, Add	*576.21*	
		For Class 55 Rating, Add	*860.91*	
		For Class 56 Rating, Add	*1,141.83*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,796.22	460.81
		For Class 52 Rating, Deduct	*-450.78*	
		For Class 54 Rating, Add	*623.08*	
		For Class 55 Rating, Add	*930.62*	
		For Class 56 Rating, Add	*1,234.05*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,111.61	462.90
		For Class 52 Rating, Deduct	*-485.13*	
		For Class 54 Rating, Add	*669.95*	
		For Class 55 Rating, Add	*1,000.32*	
		For Class 56 Rating, Add	*1,326.27*	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,427.01	465.00
		For Class 52 Rating, Deduct	*-519.47*	
		For Class 54 Rating, Add	*716.83*	
		For Class 55 Rating, Add	*1,070.02*	
		For Class 56 Rating, Add	*1,418.49*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,742.42	467.08
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*763.70*	
		For Class 55 Rating, Add	*1,139.73*	
		For Class 56 Rating, Add	*1,510.72*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,057.81	469.17
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*810.57*	
		For Class 55 Rating, Add	*1,209.43*	
		For Class 56 Rating, Add	*1,602.94*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,373.21	471.27
		For Class 52 Rating, Deduct	*-622.51*	
		For Class 54 Rating, Add	*857.45*	
		For Class 55 Rating, Add	*1,279.13*	
		For Class 56 Rating, Add	*1,695.16*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,688.61	473.36
		For Class 52 Rating, Deduct	*-656.86*	
		For Class 54 Rating, Add	*904.32*	
		For Class 55 Rating, Add	*1,348.84*	
		For Class 56 Rating, Add	*1,787.39*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,004.01	475.45
		For Class 52 Rating, Deduct	*-691.20*	
		For Class 54 Rating, Add	*951.19*	
		For Class 55 Rating, Add	*1,418.54*	
		For Class 56 Rating, Add	*1,879.61*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.40	477.53
		For Class 52 Rating, Deduct	*-725.55*	
		For Class 54 Rating, Add	*998.06*	
		For Class 55 Rating, Add	*1,488.24*	
		For Class 56 Rating, Add	*1,971.83*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,634.81	479.63
		For Class 52 Rating, Deduct	*-759.89*	
		For Class 54 Rating, Add	*1,044.94*	
		For Class 55 Rating, Add	*1,557.95*	
		For Class 56 Rating, Add	*2,064.05*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,950.20	481.72
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,091.81*	
		For Class 55 Rating, Add	*1,627.65*	
		For Class 56 Rating, Add	*2,156.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,265.60	483.81
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,138.68*	
		For Class 55 Rating, Add	*1,697.35*	
		For Class 56 Rating, Add	*2,248.49*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,581.00	485.90
		For Class 52 Rating, Deduct	*-862.93*	
		For Class 54 Rating, Add	*1,185.55*	
		For Class 55 Rating, Add	*1,767.06*	
		For Class 56 Rating, Add	*2,340.72*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,896.39	487.99
		For Class 52 Rating, Deduct	*-897.27*	
		For Class 54 Rating, Add	*1,232.43*	
		For Class 55 Rating, Add	*1,836.76*	
		For Class 56 Rating, Add	*2,432.94*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,211.79	490.08
		For Class 52 Rating, Deduct	*-931.62*	
		For Class 54 Rating, Add	*1,279.30*	
		For Class 55 Rating, Add	*1,906.46*	
		For Class 56 Rating, Add	*2,525.16*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,527.19	492.17
		For Class 52 Rating, Deduct	*-965.96*	
		For Class 54 Rating, Add	*1,326.17*	
		For Class 55 Rating, Add	*1,976.17*	
		For Class 56 Rating, Add	*2,617.38*	
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,842.59	494.27
		For Class 52 Rating, Deduct	*-1,000.31*	
		For Class 54 Rating, Add	*1,373.04*	
		For Class 55 Rating, Add	*2,045.87*	
		For Class 56 Rating, Add	*2,709.60*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,157.98	496.35
		For Class 52 Rating, Deduct	*-1,034.65*	
		For Class 54 Rating, Add	*1,419.92*	
		For Class 55 Rating, Add	*2,115.57*	
		For Class 56 Rating, Add	*2,801.83*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,473.39	498.44
		For Class 52 Rating, Deduct	*-1,069.00*	
		For Class 54 Rating, Add	*1,466.79*	
		For Class 55 Rating, Add	*2,185.28*	
		For Class 56 Rating, Add	*2,894.05*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,788.78	500.54
		For Class 52 Rating, Deduct	*-1,103.34*	
		For Class 54 Rating, Add	*1,513.66*	
		For Class 55 Rating, Add	*2,254.98*	
		For Class 56 Rating, Add	*2,986.27*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,104.19	502.63
		For Class 52 Rating, Deduct	*-1,137.69*	
		For Class 54 Rating, Add	*1,560.53*	
		For Class 55 Rating, Add	*2,324.68*	
		For Class 56 Rating, Add	*3,078.49*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,419.58	504.72
		For Class 52 Rating, Deduct	*-1,172.03*	
		For Class 54 Rating, Add	*1,607.41*	
		For Class 55 Rating, Add	*2,394.39*	
		For Class 56 Rating, Add	*3,170.71*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,734.97	506.80
		For Class 52 Rating, Deduct	*-1,206.38*	
		For Class 54 Rating, Add	*1,654.28*	
		For Class 55 Rating, Add	*2,464.09*	
		For Class 56 Rating, Add	*3,262.94*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,050.38	508.90
		For Class 52 Rating, Deduct	*-1,240.73*	
		For Class 54 Rating, Add	*1,701.15*	
		For Class 55 Rating, Add	*2,533.79*	
		For Class 56 Rating, Add	*3,355.16*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,365.77	510.99
		For Class 52 Rating, Deduct	*-1,275.07*	
		For Class 54 Rating, Add	*1,748.02*	
		For Class 55 Rating, Add	*2,603.50*	
		For Class 56 Rating, Add	*3,447.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,681.17	513.08
		For Class 52 Rating, Deduct	*-1,309.42*	
		For Class 54 Rating, Add	*1,794.90*	
		For Class 55 Rating, Add	*2,673.20*	
		For Class 56 Rating, Add	*3,539.60*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,996.57	515.17
		For Class 52 Rating, Deduct	*-1,343.76*	
		For Class 54 Rating, Add	*1,841.77*	
		For Class 55 Rating, Add	*2,742.90*	
		For Class 56 Rating, Add	*3,631.82*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,311.97	517.26
		For Class 52 Rating, Deduct	*-1,378.11*	
		For Class 54 Rating, Add	*1,888.64*	
		For Class 55 Rating, Add	*2,812.61*	
		For Class 56 Rating, Add	*3,724.05*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,627.37	519.35
		For Class 52 Rating, Deduct	*-1,412.45*	
		For Class 54 Rating, Add	*1,935.51*	
		For Class 55 Rating, Add	*2,882.31*	
		For Class 56 Rating, Add	*3,816.27*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,942.77	521.44
		For Class 52 Rating, Deduct	*-1,446.80*	
		For Class 54 Rating, Add	*1,982.39*	
		For Class 55 Rating, Add	*2,952.02*	
		For Class 56 Rating, Add	*3,908.49*	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,258.17	523.54
		For Class 52 Rating, Deduct	*-1,481.14*	
		For Class 54 Rating, Add	*2,029.26*	
		For Class 55 Rating, Add	*3,021.72*	
		For Class 56 Rating, Add	*4,000.71*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,573.56	525.62
		For Class 52 Rating, Deduct	*-1,515.49*	
		For Class 54 Rating, Add	*2,076.13*	
		For Class 55 Rating, Add	*3,091.42*	
		For Class 56 Rating, Add	*4,092.94*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,888.97	527.71
		For Class 52 Rating, Deduct	*-1,549.83*	
		For Class 54 Rating, Add	*2,123.00*	
		For Class 55 Rating, Add	*3,161.13*	
		For Class 56 Rating, Add	*4,185.16*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,204.36	529.81
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,169.88*	
		For Class 55 Rating, Add	*3,230.83*	
		For Class 56 Rating, Add	*4,277.38*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,110.31	516.43
		For Class 52 Rating, Deduct	*-366.06*	
		For Class 54 Rating, Add	*508.57*	
		For Class 55 Rating, Add	*760.89*	
		For Class 56 Rating, Add	*1,009.89*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,472.55	518.51
		For Class 52 Rating, Deduct	*-405.56*	
		For Class 54 Rating, Add	*562.47*	
		For Class 55 Rating, Add	*841.04*	
		For Class 56 Rating, Add	*1,115.92*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,834.78	520.60
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*616.36*	
		For Class 55 Rating, Add	*921.19*	
		For Class 56 Rating, Add	*1,221.96*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,197.01	522.69
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*670.26*	
		For Class 55 Rating, Add	*1,001.33*	
		For Class 56 Rating, Add	*1,328.00*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,559.25	524.79
		For Class 52 Rating, Deduct	*-524.05*	
		For Class 54 Rating, Add	*724.16*	
		For Class 55 Rating, Add	*1,081.48*	
		For Class 56 Rating, Add	*1,434.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,921.48	526.88
		For Class 52 Rating, Deduct	*-563.55*	
		For Class 54 Rating, Add	*778.06*	
		For Class 55 Rating, Add	*1,161.63*	
		For Class 56 Rating, Add	*1,540.08*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,283.71	528.96
		For Class 52 Rating, Deduct	*-603.05*	
		For Class 54 Rating, Add	*831.96*	
		For Class 55 Rating, Add	*1,241.78*	
		For Class 56 Rating, Add	*1,646.12*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,645.94	531.06
		For Class 52 Rating, Deduct	*-642.54*	
		For Class 54 Rating, Add	*885.85*	
		For Class 55 Rating, Add	*1,321.92*	
		For Class 56 Rating, Add	*1,752.15*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,008.18	533.15
		For Class 52 Rating, Deduct	*-682.04*	
		For Class 54 Rating, Add	*939.75*	
		For Class 55 Rating, Add	*1,402.07*	
		For Class 56 Rating, Add	*1,858.19*	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,370.41	535.24
		For Class 52 Rating, Deduct	*-721.54*	
		For Class 54 Rating, Add	*993.65*	
		For Class 55 Rating, Add	*1,482.22*	
		For Class 56 Rating, Add	*1,964.23*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,732.65	537.33
		For Class 52 Rating, Deduct	*-761.04*	
		For Class 54 Rating, Add	*1,047.55*	
		For Class 55 Rating, Add	*1,562.37*	
		For Class 56 Rating, Add	*2,070.27*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,094.87	539.42
		For Class 52 Rating, Deduct	*-800.53*	
		For Class 54 Rating, Add	*1,101.44*	
		For Class 55 Rating, Add	*1,642.51*	
		For Class 56 Rating, Add	*2,176.31*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,457.12	541.51
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,155.34*	
		For Class 55 Rating, Add	*1,722.66*	
		For Class 56 Rating, Add	*2,282.35*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,819.34	543.60
		For Class 52 Rating, Deduct	*-879.53*	
		For Class 54 Rating, Add	*1,209.24*	
		For Class 55 Rating, Add	*1,802.81*	
		For Class 56 Rating, Add	*2,388.38*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,181.58	545.70
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,263.14*	
		For Class 55 Rating, Add	*1,882.96*	
		For Class 56 Rating, Add	*2,494.42*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,543.81	547.79
		For Class 52 Rating, Deduct	*-958.52*	
		For Class 54 Rating, Add	*1,317.03*	
		For Class 55 Rating, Add	*1,963.10*	
		For Class 56 Rating, Add	*2,600.46*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,906.04	549.87
		For Class 52 Rating, Deduct	*-998.02*	
		For Class 54 Rating, Add	*1,370.93*	
		For Class 55 Rating, Add	*2,043.25*	
		For Class 56 Rating, Add	*2,706.50*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,268.27	551.96
		For Class 52 Rating, Deduct	*-1,037.52*	
		For Class 54 Rating, Add	*1,424.83*	
		For Class 55 Rating, Add	*2,123.40*	
		For Class 56 Rating, Add	*2,812.54*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,630.50	554.06
		For Class 52 Rating, Deduct	*-1,077.01*	
		For Class 54 Rating, Add	*1,478.73*	
		For Class 55 Rating, Add	*2,203.54*	
		For Class 56 Rating, Add	*2,918.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,992.74	556.15
		For Class 52 Rating, Deduct	*-1,116.51*	
		For Class 54 Rating, Add	*1,532.63*	
		For Class 55 Rating, Add	*2,283.69*	
		For Class 56 Rating, Add	*3,024.61*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,354.96	558.23
		For Class 52 Rating, Deduct	*-1,156.01*	
		For Class 54 Rating, Add	*1,586.52*	
		For Class 55 Rating, Add	*2,363.84*	
		For Class 56 Rating, Add	*3,130.65*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,717.21	560.33
		For Class 52 Rating, Deduct	*-1,195.50*	
		For Class 54 Rating, Add	*1,640.42*	
		For Class 55 Rating, Add	*2,443.99*	
		For Class 56 Rating, Add	*3,236.69*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,079.43	562.42
		For Class 52 Rating, Deduct	*-1,235.00*	
		For Class 54 Rating, Add	*1,694.32*	
		For Class 55 Rating, Add	*2,524.14*	
		For Class 56 Rating, Add	*3,342.73*	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,441.66	564.51
		For Class 52 Rating, Deduct	*-1,274.50*	
		For Class 54 Rating, Add	*1,748.22*	
		For Class 55 Rating, Add	*2,604.28*	
		For Class 56 Rating, Add	*3,448.76*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,803.90	566.60
		For Class 52 Rating, Deduct	*-1,314.00*	
		For Class 54 Rating, Add	*1,802.11*	
		For Class 55 Rating, Add	*2,684.43*	
		For Class 56 Rating, Add	*3,554.80*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,166.13	568.69
		For Class 52 Rating, Deduct	*-1,353.49*	
		For Class 54 Rating, Add	*1,856.01*	
		For Class 55 Rating, Add	*2,764.58*	
		For Class 56 Rating, Add	*3,660.84*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,528.36	570.78
		For Class 52 Rating, Deduct	*-1,392.99*	
		For Class 54 Rating, Add	*1,909.91*	
		For Class 55 Rating, Add	*2,844.73*	
		For Class 56 Rating, Add	*3,766.88*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,890.60	572.87
		For Class 52 Rating, Deduct	*-1,432.49*	
		For Class 54 Rating, Add	*1,963.81*	
		For Class 55 Rating, Add	*2,924.87*	
		For Class 56 Rating, Add	*3,872.92*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,252.83	574.97
		For Class 52 Rating, Deduct	*-1,471.98*	
		For Class 54 Rating, Add	*2,017.70*	
		For Class 55 Rating, Add	*3,005.02*	
		For Class 56 Rating, Add	*3,978.95*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,615.06	577.06
		For Class 52 Rating, Deduct	*-1,511.48*	
		For Class 54 Rating, Add	*2,071.60*	
		For Class 55 Rating, Add	*3,085.17*	
		For Class 56 Rating, Add	*4,084.99*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,977.30	579.14
		For Class 52 Rating, Deduct	*-1,550.98*	
		For Class 54 Rating, Add	*2,125.50*	
		For Class 55 Rating, Add	*3,165.32*	
		For Class 56 Rating, Add	*4,191.03*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,339.53	581.24
		For Class 52 Rating, Deduct	*-1,590.48*	
		For Class 54 Rating, Add	*2,179.40*	
		For Class 55 Rating, Add	*3,245.46*	
		For Class 56 Rating, Add	*4,297.07*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,701.75	583.33
		For Class 52 Rating, Deduct	*-1,629.97*	
		For Class 54 Rating, Add	*2,233.30*	
		For Class 55 Rating, Add	*3,325.61*	
		For Class 56 Rating, Add	*4,403.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,064.00	585.42
		For Class 52 Rating, Deduct	*-1,669.47*	
		For Class 54 Rating, Add	*2,287.19*	
		For Class 55 Rating, Add	*3,405.76*	
		For Class 56 Rating, Add	*4,509.15*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,426.22	587.50
		For Class 52 Rating, Deduct	*-1,708.97*	
		For Class 54 Rating, Add	*2,341.09*	
		For Class 55 Rating, Add	*3,485.91*	
		For Class 56 Rating, Add	*4,615.18*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,788.47	589.60
		For Class 52 Rating, Deduct	*-1,748.46*	
		For Class 54 Rating, Add	*2,394.99*	
		For Class 55 Rating, Add	*3,566.05*	
		For Class 56 Rating, Add	*4,721.22*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,150.69	591.69
		For Class 52 Rating, Deduct	*-1,787.96*	
		For Class 54 Rating, Add	*2,448.89*	
		For Class 55 Rating, Add	*3,646.20*	
		For Class 56 Rating, Add	*4,827.26*	
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,512.93	593.78
		For Class 52 Rating, Deduct	*-1,827.46*	
		For Class 54 Rating, Add	*2,502.79*	
		For Class 55 Rating, Add	*3,726.35*	
		For Class 56 Rating, Add	*4,933.30*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,129.71	610.51
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*641.81*	
		For Class 55 Rating, Add	*959.85*	
		For Class 56 Rating, Add	*1,273.69*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,577.81	612.60
		For Class 52 Rating, Deduct	*-511.46*	
		For Class 54 Rating, Add	*708.58*	
		For Class 55 Rating, Add	*1,059.14*	
		For Class 56 Rating, Add	*1,405.06*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,025.91	614.69
		For Class 52 Rating, Deduct	*-560.40*	
		For Class 54 Rating, Add	*775.36*	
		For Class 55 Rating, Add	*1,158.44*	
		For Class 56 Rating, Add	*1,536.42*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,474.00	616.78
		For Class 52 Rating, Deduct	*-609.34*	
		For Class 54 Rating, Add	*842.14*	
		For Class 55 Rating, Add	*1,257.73*	
		For Class 56 Rating, Add	*1,667.79*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,922.10	618.87
		For Class 52 Rating, Deduct	*-658.29*	
		For Class 54 Rating, Add	*908.92*	
		For Class 55 Rating, Add	*1,357.03*	
		For Class 56 Rating, Add	*1,799.16*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,370.19	620.96
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*975.69*	
		For Class 55 Rating, Add	*1,456.32*	
		For Class 56 Rating, Add	*1,930.53*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,818.29	623.05
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,042.47*	
		For Class 55 Rating, Add	*1,555.62*	
		For Class 56 Rating, Add	*2,061.89*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,266.38	625.15
		For Class 52 Rating, Deduct	*-805.11*	
		For Class 54 Rating, Add	*1,109.25*	
		For Class 55 Rating, Add	*1,654.91*	
		For Class 56 Rating, Add	*2,193.26*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,714.49	627.23
		For Class 52 Rating, Deduct	*-854.05*	
		For Class 54 Rating, Add	*1,176.02*	
		For Class 55 Rating, Add	*1,754.21*	
		For Class 56 Rating, Add	*2,324.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,162.58	629.32
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,242.80*	
		For Class 55 Rating, Add	*1,853.50*	
		For Class 56 Rating, Add	*2,456.00*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,610.68	631.41
		For Class 52 Rating, Deduct	*-951.94*	
		For Class 54 Rating, Add	*1,309.58*	
		For Class 55 Rating, Add	*1,952.80*	
		For Class 56 Rating, Add	*2,587.37*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,058.77	633.51
		For Class 52 Rating, Deduct	*-1,000.88*	
		For Class 54 Rating, Add	*1,376.35*	
		For Class 55 Rating, Add	*2,052.09*	
		For Class 56 Rating, Add	*2,718.73*	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,506.86	635.60
		For Class 52 Rating, Deduct	*-1,049.82*	
		For Class 54 Rating, Add	*1,443.13*	
		For Class 55 Rating, Add	*2,151.39*	
		For Class 56 Rating, Add	*2,850.10*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,954.96	637.68
		For Class 52 Rating, Deduct	*-1,098.76*	
		For Class 54 Rating, Add	*1,509.91*	
		For Class 55 Rating, Add	*2,250.68*	
		For Class 56 Rating, Add	*2,981.47*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,403.06	639.78
		For Class 52 Rating, Deduct	*-1,147.71*	
		For Class 54 Rating, Add	*1,576.69*	
		For Class 55 Rating, Add	*2,349.98*	
		For Class 56 Rating, Add	*3,112.84*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,851.16	641.87
		For Class 52 Rating, Deduct	*-1,196.65*	
		For Class 54 Rating, Add	*1,643.46*	
		For Class 55 Rating, Add	*2,449.28*	
		For Class 56 Rating, Add	*3,244.21*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,299.26	643.96
		For Class 52 Rating, Deduct	*-1,245.59*	
		For Class 54 Rating, Add	*1,710.24*	
		For Class 55 Rating, Add	*2,548.57*	
		For Class 56 Rating, Add	*3,375.58*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,747.35	646.05
		For Class 52 Rating, Deduct	*-1,294.53*	
		For Class 54 Rating, Add	*1,777.02*	
		For Class 55 Rating, Add	*2,647.86*	
		For Class 56 Rating, Add	*3,506.94*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,195.44	648.14
		For Class 52 Rating, Deduct	*-1,343.48*	
		For Class 54 Rating, Add	*1,843.80*	
		For Class 55 Rating, Add	*2,747.16*	
		For Class 56 Rating, Add	*3,638.31*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,643.54	650.23
		For Class 52 Rating, Deduct	*-1,392.42*	
		For Class 54 Rating, Add	*1,910.57*	
		For Class 55 Rating, Add	*2,846.45*	
		For Class 56 Rating, Add	*3,769.68*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,091.64	652.32
		For Class 52 Rating, Deduct	*-1,441.36*	
		For Class 54 Rating, Add	*1,977.35*	
		For Class 55 Rating, Add	*2,945.75*	
		For Class 56 Rating, Add	*3,901.05*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,539.73	654.42
		For Class 52 Rating, Deduct	*-1,490.30*	
		For Class 54 Rating, Add	*2,044.13*	
		For Class 55 Rating, Add	*3,045.05*	
		For Class 56 Rating, Add	*4,032.41*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,987.84	656.51
		For Class 52 Rating, Deduct	*-1,539.24*	
		For Class 54 Rating, Add	*2,110.91*	
		For Class 55 Rating, Add	*3,144.34*	
		For Class 56 Rating, Add	*4,163.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,435.92	658.59
		For Class 52 Rating, Deduct	*-1,588.19*	
		For Class 54 Rating, Add	*2,177.68*	
		For Class 55 Rating, Add	*3,243.63*	
		For Class 56 Rating, Add	*4,295.15*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,884.02	660.69
		For Class 52 Rating, Deduct	*-1,637.13*	
		For Class 54 Rating, Add	*2,244.46*	
		For Class 55 Rating, Add	*3,342.93*	
		For Class 56 Rating, Add	*4,426.52*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,332.12	662.78
		For Class 52 Rating, Deduct	*-1,686.07*	
		For Class 54 Rating, Add	*2,311.24*	
		For Class 55 Rating, Add	*3,442.22*	
		For Class 56 Rating, Add	*4,557.89*	
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,780.22	664.87
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,378.01*	
		For Class 55 Rating, Add	*3,541.52*	
		For Class 56 Rating, Add	*4,689.25*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,228.31	666.95
		For Class 52 Rating, Deduct	*-1,783.95*	
		For Class 54 Rating, Add	*2,444.79*	
		For Class 55 Rating, Add	*3,640.82*	
		For Class 56 Rating, Add	*4,820.62*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,676.41	669.05
		For Class 52 Rating, Deduct	*-1,832.90*	
		For Class 54 Rating, Add	*2,511.57*	
		For Class 55 Rating, Add	*3,740.11*	
		For Class 56 Rating, Add	*4,951.99*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,178.35	706.68
		For Class 52 Rating, Deduct	*-1,881.84*	
		For Class 54 Rating, Add	*2,578.99*	
		For Class 55 Rating, Add	*3,840.70*	
		For Class 56 Rating, Add	*5,085.29*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,626.45	708.77
		For Class 52 Rating, Deduct	*-1,930.78*	
		For Class 54 Rating, Add	*2,645.77*	
		For Class 55 Rating, Add	*3,939.99*	
		For Class 56 Rating, Add	*5,216.66*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,074.55	710.86
		For Class 52 Rating, Deduct	*-1,979.72*	
		For Class 54 Rating, Add	*2,712.55*	
		For Class 55 Rating, Add	*4,039.29*	
		For Class 56 Rating, Add	*5,348.03*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,522.65	712.96
		For Class 52 Rating, Deduct	*-2,028.67*	
		For Class 54 Rating, Add	*2,779.32*	
		For Class 55 Rating, Add	*4,138.58*	
		For Class 56 Rating, Add	*5,479.40*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,970.74	715.05
		For Class 52 Rating, Deduct	*-2,077.61*	
		For Class 54 Rating, Add	*2,846.10*	
		For Class 55 Rating, Add	*4,237.88*	
		For Class 56 Rating, Add	*5,610.77*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,418.85	717.13
		For Class 52 Rating, Deduct	*-2,126.55*	
		For Class 54 Rating, Add	*2,912.88*	
		For Class 55 Rating, Add	*4,337.17*	
		For Class 56 Rating, Add	*5,742.14*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,866.93	719.23
		For Class 52 Rating, Deduct	*-2,175.49*	
		For Class 54 Rating, Add	*2,979.66*	
		For Class 55 Rating, Add	*4,436.47*	
		For Class 56 Rating, Add	*5,873.50*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,315.02	721.32
		For Class 52 Rating, Deduct	*-2,224.43*	
		For Class 54 Rating, Add	*3,046.43*	
		For Class 55 Rating, Add	*4,535.76*	
		For Class 56 Rating, Add	*6,004.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,763.13	723.41
		For Class 52 Rating, Deduct	*-2,273.38*	
		For Class 54 Rating, Add	*3,113.21*	
		For Class 55 Rating, Add	*4,635.06*	
		For Class 56 Rating, Add	*6,136.24*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,018.10	861.40
		For Class 52 Rating, Deduct	*-738.42*	
		For Class 54 Rating, Add	*1,022.60*	
		For Class 55 Rating, Add	*1,528.31*	
		For Class 56 Rating, Add	*2,027.31*	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,663.95	863.50
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,119.04*	
		For Class 55 Rating, Add	*1,671.71*	
		For Class 56 Rating, Add	*2,217.01*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,309.79	865.58
		For Class 52 Rating, Deduct	*-879.81*	
		For Class 54 Rating, Add	*1,215.48*	
		For Class 55 Rating, Add	*1,815.10*	
		For Class 56 Rating, Add	*2,406.71*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,955.64	867.67
		For Class 52 Rating, Deduct	*-950.51*	
		For Class 54 Rating, Add	*1,311.92*	
		For Class 55 Rating, Add	*1,958.49*	
		For Class 56 Rating, Add	*2,596.42*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,601.48	869.76
		For Class 52 Rating, Deduct	*-1,021.20*	
		For Class 54 Rating, Add	*1,408.36*	
		For Class 55 Rating, Add	*2,101.88*	
		For Class 56 Rating, Add	*2,786.12*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,247.31	871.86
		For Class 52 Rating, Deduct	*-1,091.90*	
		For Class 54 Rating, Add	*1,504.80*	
		For Class 55 Rating, Add	*2,245.27*	
		For Class 56 Rating, Add	*2,975.82*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,893.16	873.94
		For Class 52 Rating, Deduct	*-1,162.59*	
		For Class 54 Rating, Add	*1,601.24*	
		For Class 55 Rating, Add	*2,388.67*	
		For Class 56 Rating, Add	*3,165.52*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,539.00	876.03
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,697.68*	
		For Class 55 Rating, Add	*2,532.06*	
		For Class 56 Rating, Add	*3,355.23*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,184.84	878.13
		For Class 52 Rating, Deduct	*-1,303.98*	
		For Class 54 Rating, Add	*1,794.12*	
		For Class 55 Rating, Add	*2,675.45*	
		For Class 56 Rating, Add	*3,544.93*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,830.69	880.22
		For Class 52 Rating, Deduct	*-1,374.67*	
		For Class 54 Rating, Add	*1,890.56*	
		For Class 55 Rating, Add	*2,818.84*	
		For Class 56 Rating, Add	*3,734.63*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,476.53	882.31
		For Class 52 Rating, Deduct	*-1,445.37*	
		For Class 54 Rating, Add	*1,987.00*	
		For Class 55 Rating, Add	*2,962.24*	
		For Class 56 Rating, Add	*3,924.34*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,122.37	884.40
		For Class 52 Rating, Deduct	*-1,516.06*	
		For Class 54 Rating, Add	*2,083.44*	
		For Class 55 Rating, Add	*3,105.63*	
		For Class 56 Rating, Add	*4,114.04*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,768.21	886.49
		For Class 52 Rating, Deduct	*-1,586.75*	
		For Class 54 Rating, Add	*2,179.87*	
		For Class 55 Rating, Add	*3,249.02*	
		For Class 56 Rating, Add	*4,303.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,414.06	888.58
		For Class 52 Rating, Deduct	*-1,657.45*	
		For Class 54 Rating, Add	*2,276.31*	
		For Class 55 Rating, Add	*3,392.41*	
		For Class 56 Rating, Add	*4,493.45*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,059.89	890.67
		For Class 52 Rating, Deduct	*-1,728.14*	
		For Class 54 Rating, Add	*2,372.75*	
		For Class 55 Rating, Add	*3,535.80*	
		For Class 56 Rating, Add	*4,683.15*	
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,705.74	892.77
		For Class 52 Rating, Deduct	*-1,798.84*	
		For Class 54 Rating, Add	*2,469.19*	
		For Class 55 Rating, Add	*3,679.20*	
		For Class 56 Rating, Add	*4,872.85*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,351.58	894.85
		For Class 52 Rating, Deduct	*-1,869.53*	
		For Class 54 Rating, Add	*2,565.63*	
		For Class 55 Rating, Add	*3,822.59*	
		For Class 56 Rating, Add	*5,062.55*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,997.42	896.94
		For Class 52 Rating, Deduct	*-1,940.23*	
		For Class 54 Rating, Add	*2,662.07*	
		For Class 55 Rating, Add	*3,965.98*	
		For Class 56 Rating, Add	*5,252.26*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,643.27	899.04
		For Class 52 Rating, Deduct	*-2,010.92*	
		For Class 54 Rating, Add	*2,758.51*	
		For Class 55 Rating, Add	*4,109.38*	
		For Class 56 Rating, Add	*5,441.96*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,289.10	901.13
		For Class 52 Rating, Deduct	*-2,081.61*	
		For Class 54 Rating, Add	*2,854.95*	
		For Class 55 Rating, Add	*4,252.77*	
		For Class 56 Rating, Add	*5,631.66*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,934.95	903.22
		For Class 52 Rating, Deduct	*-2,152.31*	
		For Class 54 Rating, Add	*2,951.39*	
		For Class 55 Rating, Add	*4,396.16*	
		For Class 56 Rating, Add	*5,821.37*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,580.79	905.30
		For Class 52 Rating, Deduct	*-2,223.00*	
		For Class 54 Rating, Add	*3,047.83*	
		For Class 55 Rating, Add	*4,539.55*	
		For Class 56 Rating, Add	*6,011.07*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,226.63	907.40
		For Class 52 Rating, Deduct	*-2,293.70*	
		For Class 54 Rating, Add	*3,144.27*	
		For Class 55 Rating, Add	*4,682.95*	
		For Class 56 Rating, Add	*6,200.77*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,872.47	909.49
		For Class 52 Rating, Deduct	*-2,364.39*	
		For Class 54 Rating, Add	*3,240.71*	
		For Class 55 Rating, Add	*4,826.34*	
		For Class 56 Rating, Add	*6,390.47*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,518.32	911.58
		For Class 52 Rating, Deduct	*-2,435.09*	
		For Class 54 Rating, Add	*3,337.15*	
		For Class 55 Rating, Add	*4,969.73*	
		For Class 56 Rating, Add	*6,580.18*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,164.16	913.67
		For Class 52 Rating, Deduct	*-2,505.78*	
		For Class 54 Rating, Add	*3,433.58*	
		For Class 55 Rating, Add	*5,113.12*	
		For Class 56 Rating, Add	*6,769.88*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,809.99	915.76
		For Class 52 Rating, Deduct	*-2,576.47*	
		For Class 54 Rating, Add	*3,530.02*	
		For Class 55 Rating, Add	*5,256.51*	
		For Class 56 Rating, Add	*6,959.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,455.85	917.85
		For Class 52 Rating, Deduct	*-2,647.17*	
		For Class 54 Rating, Add	*3,626.46*	
		For Class 55 Rating, Add	*5,399.91*	
		For Class 56 Rating, Add	*7,149.29*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,101.68	919.94
		For Class 52 Rating, Deduct	*-2,717.86*	
		For Class 54 Rating, Add	*3,722.90*	
		For Class 55 Rating, Add	*5,543.30*	
		For Class 56 Rating, Add	*7,338.99*	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,747.53	922.04
		For Class 52 Rating, Deduct	*-2,788.56*	
		For Class 54 Rating, Add	*3,819.34*	
		For Class 55 Rating, Add	*5,686.69*	
		For Class 56 Rating, Add	*7,528.69*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,393.37	924.12
		For Class 52 Rating, Deduct	*-2,859.25*	
		For Class 54 Rating, Add	*3,915.78*	
		For Class 55 Rating, Add	*5,830.08*	
		For Class 56 Rating, Add	*7,718.39*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,039.21	926.21
		For Class 52 Rating, Deduct	*-2,929.94*	
		For Class 54 Rating, Add	*4,012.22*	
		For Class 55 Rating, Add	*5,973.48*	
		For Class 56 Rating, Add	*7,908.10*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,685.06	928.31
		For Class 52 Rating, Deduct	*-3,000.64*	
		For Class 54 Rating, Add	*4,108.66*	
		For Class 55 Rating, Add	*6,116.87*	
		For Class 56 Rating, Add	*8,097.80*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,330.89	930.40
		For Class 52 Rating, Deduct	*-3,071.33*	
		For Class 54 Rating, Add	*4,205.10*	
		For Class 55 Rating, Add	*6,260.26*	
		For Class 56 Rating, Add	*8,287.50*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,976.74	932.49
		For Class 52 Rating, Deduct	*-3,142.03*	
		For Class 54 Rating, Add	*4,301.54*	
		For Class 55 Rating, Add	*6,403.65*	
		For Class 56 Rating, Add	*8,477.21*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,622.58	934.57
		For Class 52 Rating, Deduct	*-3,212.72*	
		For Class 54 Rating, Add	*4,397.97*	
		For Class 55 Rating, Add	*6,547.05*	
		For Class 56 Rating, Add	*8,666.91*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,268.43	936.67
		For Class 52 Rating, Deduct	*-3,283.42*	
		For Class 54 Rating, Add	*4,494.41*	
		For Class 55 Rating, Add	*6,690.44*	
		For Class 56 Rating, Add	*8,856.61*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,914.26	938.76
		For Class 52 Rating, Deduct	*-3,354.11*	
		For Class 54 Rating, Add	*4,590.85*	
		For Class 55 Rating, Add	*6,833.83*	
		For Class 56 Rating, Add	*9,046.32*	
40 05 19 00-0989		**36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-0554)*		
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,116.80	1,091.38
		For Class 52 Rating, Deduct	*-1,040.95*	
		For Class 54 Rating, Add	*1,439.32*	
		For Class 55 Rating, Add	*2,149.98*	
		For Class 56 Rating, Add	*2,851.17*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,994.22	1,093.47
		For Class 52 Rating, Deduct	*-1,137.12*	
		For Class 54 Rating, Add	*1,570.50*	
		For Class 55 Rating, Add	*2,345.01*	
		For Class 56 Rating, Add	*3,109.19*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,871.62	1,095.57
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,701.67*	
		For Class 55 Rating, Add	*2,540.04*	
		For Class 56 Rating, Add	*3,367.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,749.04	1,097.66
		For Class 52 Rating, Deduct	*-1,329.45*	
		For Class 54 Rating, Add	*1,832.85*	
		For Class 55 Rating, Add	*2,735.08*	
		For Class 56 Rating, Add	*3,625.22*	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,626.45	1,099.75
		For Class 52 Rating, Deduct	*-1,425.62*	
		For Class 54 Rating, Add	*1,964.02*	
		For Class 55 Rating, Add	*2,930.11*	
		For Class 56 Rating, Add	*3,883.23*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,503.86	1,101.84
		For Class 52 Rating, Deduct	*-1,521.79*	
		For Class 54 Rating, Add	*2,095.19*	
		For Class 55 Rating, Add	*3,125.14*	
		For Class 56 Rating, Add	*4,141.25*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,381.28	1,103.93
		For Class 52 Rating, Deduct	*-1,617.95*	
		For Class 54 Rating, Add	*2,226.37*	
		For Class 55 Rating, Add	*3,320.17*	
		For Class 56 Rating, Add	*4,399.27*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,258.69	1,106.02
		For Class 52 Rating, Deduct	*-1,714.12*	
		For Class 54 Rating, Add	*2,357.54*	
		For Class 55 Rating, Add	*3,515.21*	
		For Class 56 Rating, Add	*4,657.28*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,136.10	1,108.12
		For Class 52 Rating, Deduct	*-1,810.29*	
		For Class 54 Rating, Add	*2,488.72*	
		For Class 55 Rating, Add	*3,710.24*	
		For Class 56 Rating, Add	*4,915.30*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,013.52	1,110.21
		For Class 52 Rating, Deduct	*-1,906.45*	
		For Class 54 Rating, Add	*2,619.89*	
		For Class 55 Rating, Add	*3,905.27*	
		For Class 56 Rating, Add	*5,173.32*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,890.92	1,112.29
		For Class 52 Rating, Deduct	*-2,002.62*	
		For Class 54 Rating, Add	*2,751.07*	
		For Class 55 Rating, Add	*4,100.30*	
		For Class 56 Rating, Add	*5,431.33*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,768.34	1,114.38
		For Class 52 Rating, Deduct	*-2,098.79*	
		For Class 54 Rating, Add	*2,882.24*	
		For Class 55 Rating, Add	*4,295.34*	
		For Class 56 Rating, Add	*5,689.35*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,645.75	1,116.48
		For Class 52 Rating, Deduct	*-2,194.95*	
		For Class 54 Rating, Add	*3,013.42*	
		For Class 55 Rating, Add	*4,490.37*	
		For Class 56 Rating, Add	*5,947.36*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,523.17	1,118.57
		For Class 52 Rating, Deduct	*-2,291.12*	
		For Class 54 Rating, Add	*3,144.59*	
		For Class 55 Rating, Add	*4,685.40*	
		For Class 56 Rating, Add	*6,205.38*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,400.57	1,120.65
		For Class 52 Rating, Deduct	*-2,387.29*	
		For Class 54 Rating, Add	*3,275.77*	
		For Class 55 Rating, Add	*4,880.43*	
		For Class 56 Rating, Add	*6,463.40*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,278.00	1,122.75
		For Class 52 Rating, Deduct	*-2,483.45*	
		For Class 54 Rating, Add	*3,406.94*	
		For Class 55 Rating, Add	*5,075.47*	
		For Class 56 Rating, Add	*6,721.41*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,155.40	1,124.84
		For Class 52 Rating, Deduct	*-2,579.62*	
		For Class 54 Rating, Add	*3,538.12*	
		For Class 55 Rating, Add	*5,270.50*	
		For Class 56 Rating, Add	*6,979.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,032.82	1,126.93
		For Class 52 Rating, Deduct	*-2,675.79*	
		For Class 54 Rating, Add	*3,669.29*	
		For Class 55 Rating, Add	*5,465.53*	
		For Class 56 Rating, Add	*7,237.45*	
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,910.24	1,129.02
		For Class 52 Rating, Deduct	*-2,771.96*	
		For Class 54 Rating, Add	*3,800.47*	
		For Class 55 Rating, Add	*5,660.57*	
		For Class 56 Rating, Add	*7,495.47*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,787.64	1,131.11
		For Class 52 Rating, Deduct	*-2,868.12*	
		For Class 54 Rating, Add	*3,931.64*	
		For Class 55 Rating, Add	*5,855.60*	
		For Class 56 Rating, Add	*7,753.48*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,665.06	1,133.20
		For Class 52 Rating, Deduct	*-2,964.29*	
		For Class 54 Rating, Add	*4,062.82*	
		For Class 55 Rating, Add	*6,050.63*	
		For Class 56 Rating, Add	*8,011.50*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,542.47	1,135.29
		For Class 52 Rating, Deduct	*-3,060.46*	
		For Class 54 Rating, Add	*4,193.99*	
		For Class 55 Rating, Add	*6,245.66*	
		For Class 56 Rating, Add	*8,269.51*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,419.89	1,137.39
		For Class 52 Rating, Deduct	*-3,156.62*	
		For Class 54 Rating, Add	*4,325.17*	
		For Class 55 Rating, Add	*6,440.70*	
		For Class 56 Rating, Add	*8,527.53*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,297.29	1,139.48
		For Class 52 Rating, Deduct	*-3,252.79*	
		For Class 54 Rating, Add	*4,456.34*	
		For Class 55 Rating, Add	*6,635.73*	
		For Class 56 Rating, Add	*8,785.54*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,174.72	1,141.56
		For Class 52 Rating, Deduct	*-3,348.96*	
		For Class 54 Rating, Add	*4,587.52*	
		For Class 55 Rating, Add	*6,830.76*	
		For Class 56 Rating, Add	*9,043.56*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,052.12	1,143.65
		For Class 52 Rating, Deduct	*-3,445.12*	
		For Class 54 Rating, Add	*4,718.69*	
		For Class 55 Rating, Add	*7,025.79*	
		For Class 56 Rating, Add	*9,301.58*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,929.54	1,145.75
		For Class 52 Rating, Deduct	*-3,541.29*	
		For Class 54 Rating, Add	*4,849.87*	
		For Class 55 Rating, Add	*7,220.83*	
		For Class 56 Rating, Add	*9,559.60*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,806.95	1,147.84
		For Class 52 Rating, Deduct	*-3,637.46*	
		For Class 54 Rating, Add	*4,981.04*	
		For Class 55 Rating, Add	*7,415.86*	
		For Class 56 Rating, Add	*9,817.61*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,684.36	1,149.93
		For Class 52 Rating, Deduct	*-3,733.63*	
		For Class 54 Rating, Add	*5,112.22*	
		For Class 55 Rating, Add	*7,610.89*	
		For Class 56 Rating, Add	*10,075.63*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,561.78	1,152.02
		For Class 52 Rating, Deduct	*-3,829.79*	
		For Class 54 Rating, Add	*5,243.39*	
		For Class 55 Rating, Add	*7,805.92*	
		For Class 56 Rating, Add	*10,333.64*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,439.19	1,154.11
		For Class 52 Rating, Deduct	*-3,925.96*	
		For Class 54 Rating, Add	*5,374.56*	
		For Class 55 Rating, Add	*8,000.96*	
		For Class 56 Rating, Add	*10,591.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,316.60	1,156.20
		For Class 52 Rating, Deduct	*-4,022.13*	
		For Class 54 Rating, Add	*5,505.74*	
		For Class 55 Rating, Add	*8,195.99*	
		For Class 56 Rating, Add	*10,849.68*	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,194.02	1,158.29
		For Class 52 Rating, Deduct	*-4,118.29*	
		For Class 54 Rating, Add	*5,636.91*	
		For Class 55 Rating, Add	*8,391.02*	
		For Class 56 Rating, Add	*11,107.69*	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,071.43	1,160.38
		For Class 52 Rating, Deduct	*-4,214.46*	
		For Class 54 Rating, Add	*5,768.09*	
		For Class 55 Rating, Add	*8,586.06*	
		For Class 56 Rating, Add	*11,365.71*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,948.84	1,162.47
		For Class 52 Rating, Deduct	*-4,310.63*	
		For Class 54 Rating, Add	*5,899.26*	
		For Class 55 Rating, Add	*8,781.09*	
		For Class 56 Rating, Add	*11,623.73*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,826.25	1,164.56
		For Class 52 Rating, Deduct	*-4,406.79*	
		For Class 54 Rating, Add	*6,030.44*	
		For Class 55 Rating, Add	*8,976.12*	
		For Class 56 Rating, Add	*11,881.74*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,703.67	1,166.66
		For Class 52 Rating, Deduct	*-4,502.96*	
		For Class 54 Rating, Add	*6,161.61*	
		For Class 55 Rating, Add	*9,171.15*	
		For Class 56 Rating, Add	*12,139.76*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,581.07	1,168.75
		For Class 52 Rating, Deduct	*-4,599.13*	
		For Class 54 Rating, Add	*6,292.79*	
		For Class 55 Rating, Add	*9,366.19*	
		For Class 56 Rating, Add	*12,397.77*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	532.21	102.25
		For Class 52 Rating, Deduct	*-41.50*	
		For Class 54 Rating, Add	*58.45*	
		For Class 55 Rating, Add	*87.85*	
		For Class 56 Rating, Add	*116.88*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	602.56	104.04
		For Class 52 Rating, Deduct	*-48.94*	
		For Class 54 Rating, Add	*68.63*	
		For Class 55 Rating, Add	*103.00*	
		For Class 56 Rating, Add	*136.93*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.92	105.83
		For Class 52 Rating, Deduct	*-56.38*	
		For Class 54 Rating, Add	*78.81*	
		For Class 55 Rating, Add	*118.15*	
		For Class 56 Rating, Add	*156.98*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	743.28	107.61
		For Class 52 Rating, Deduct	*-63.83*	
		For Class 54 Rating, Add	*88.99*	
		For Class 55 Rating, Add	*133.30*	
		For Class 56 Rating, Add	*177.04*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.64	109.40
		For Class 52 Rating, Deduct	*-71.27*	
		For Class 54 Rating, Add	*99.17*	
		For Class 55 Rating, Add	*148.46*	
		For Class 56 Rating, Add	*197.09*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	883.99	111.19
		For Class 52 Rating, Deduct	*-78.71*	
		For Class 54 Rating, Add	*109.35*	
		For Class 55 Rating, Add	*163.61*	
		For Class 56 Rating, Add	*217.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	954.35	112.98
		For Class 52 Rating, Deduct	*-86.15*	
		For Class 54 Rating, Add	*119.53*	
		For Class 55 Rating, Add	*178.76*	
		For Class 56 Rating, Add	*237.20*	
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,024.72	114.76
		For Class 52 Rating, Deduct	*-93.59*	
		For Class 54 Rating, Add	*129.71*	
		For Class 55 Rating, Add	*193.91*	
		For Class 56 Rating, Add	*257.25*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,095.07	116.56
		For Class 52 Rating, Deduct	*-101.03*	
		For Class 54 Rating, Add	*139.89*	
		For Class 55 Rating, Add	*209.06*	
		For Class 56 Rating, Add	*277.31*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,165.43	118.34
		For Class 52 Rating, Deduct	*-108.47*	
		For Class 54 Rating, Add	*150.07*	
		For Class 55 Rating, Add	*224.21*	
		For Class 56 Rating, Add	*297.36*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.79	120.13
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*160.25*	
		For Class 55 Rating, Add	*239.36*	
		For Class 56 Rating, Add	*317.42*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.15	121.91
		For Class 52 Rating, Deduct	*-123.36*	
		For Class 54 Rating, Add	*170.43*	
		For Class 55 Rating, Add	*254.51*	
		For Class 56 Rating, Add	*337.47*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.50	123.71
		For Class 52 Rating, Deduct	*-130.80*	
		For Class 54 Rating, Add	*180.61*	
		For Class 55 Rating, Add	*269.66*	
		For Class 56 Rating, Add	*357.53*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.86	125.49
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*190.79*	
		For Class 55 Rating, Add	*284.81*	
		For Class 56 Rating, Add	*377.58*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.22	127.28
		For Class 52 Rating, Deduct	*-145.68*	
		For Class 54 Rating, Add	*200.97*	
		For Class 55 Rating, Add	*299.96*	
		For Class 56 Rating, Add	*397.63*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,587.59	129.07
		For Class 52 Rating, Deduct	*-153.12*	
		For Class 54 Rating, Add	*211.15*	
		For Class 55 Rating, Add	*315.12*	
		For Class 56 Rating, Add	*417.69*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.94	130.86
		For Class 52 Rating, Deduct	*-160.56*	
		For Class 54 Rating, Add	*221.33*	
		For Class 55 Rating, Add	*330.27*	
		For Class 56 Rating, Add	*437.74*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,728.30	132.64
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*231.51*	
		For Class 55 Rating, Add	*345.42*	
		For Class 56 Rating, Add	*457.80*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.66	134.42
		For Class 52 Rating, Deduct	*-175.45*	
		For Class 54 Rating, Add	*241.69*	
		For Class 55 Rating, Add	*360.57*	
		For Class 56 Rating, Add	*477.85*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.01	136.22
		For Class 52 Rating, Deduct	*-182.89*	
		For Class 54 Rating, Add	*251.87*	
		For Class 55 Rating, Add	*375.72*	
		For Class 56 Rating, Add	*497.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.37	138.00
		For Class 52 Rating, Deduct	*-190.33*	
		For Class 54 Rating, Add	*262.05*	
		For Class 55 Rating, Add	*390.87*	
		For Class 56 Rating, Add	*517.96*	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,009.73	139.79
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*272.23*	
		For Class 55 Rating, Add	*406.02*	
		For Class 56 Rating, Add	*538.01*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,080.09	141.58
		For Class 52 Rating, Deduct	*-205.21*	
		For Class 54 Rating, Add	*282.41*	
		For Class 55 Rating, Add	*421.17*	
		For Class 56 Rating, Add	*558.07*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,150.45	143.37
		For Class 52 Rating, Deduct	*-212.66*	
		For Class 54 Rating, Add	*292.59*	
		For Class 55 Rating, Add	*436.32*	
		For Class 56 Rating, Add	*578.12*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.81	145.15
		For Class 52 Rating, Deduct	*-220.10*	
		For Class 54 Rating, Add	*302.77*	
		For Class 55 Rating, Add	*451.47*	
		For Class 56 Rating, Add	*598.18*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,291.17	146.94
		For Class 52 Rating, Deduct	*-227.54*	
		For Class 54 Rating, Add	*312.95*	
		For Class 55 Rating, Add	*466.63*	
		For Class 56 Rating, Add	*618.23*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,361.53	148.73
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*323.13*	
		For Class 55 Rating, Add	*481.78*	
		For Class 56 Rating, Add	*638.29*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.88	150.52
		For Class 52 Rating, Deduct	*-242.42*	
		For Class 54 Rating, Add	*333.31*	
		For Class 55 Rating, Add	*496.93*	
		For Class 56 Rating, Add	*658.34*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,502.24	152.30
		For Class 52 Rating, Deduct	*-249.86*	
		For Class 54 Rating, Add	*343.49*	
		For Class 55 Rating, Add	*512.08*	
		For Class 56 Rating, Add	*678.39*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.60	154.09
		For Class 52 Rating, Deduct	*-257.30*	
		For Class 54 Rating, Add	*353.67*	
		For Class 55 Rating, Add	*527.23*	
		For Class 56 Rating, Add	*698.45*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,642.95	155.88
		For Class 52 Rating, Deduct	*-264.75*	
		For Class 54 Rating, Add	*363.85*	
		For Class 55 Rating, Add	*542.38*	
		For Class 56 Rating, Add	*718.50*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,713.32	157.67
		For Class 52 Rating, Deduct	*-272.19*	
		For Class 54 Rating, Add	*374.03*	
		For Class 55 Rating, Add	*557.53*	
		For Class 56 Rating, Add	*738.56*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,783.68	159.46
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*384.21*	
		For Class 55 Rating, Add	*572.68*	
		For Class 56 Rating, Add	*758.61*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,854.04	161.24
		For Class 52 Rating, Deduct	*-287.07*	
		For Class 54 Rating, Add	*394.39*	
		For Class 55 Rating, Add	*587.83*	
		For Class 56 Rating, Add	*778.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.39	163.03
		For Class 52 Rating, Deduct	*-294.51*	
		For Class 54 Rating, Add	*404.57*	
		For Class 55 Rating, Add	*602.98*	
		For Class 56 Rating, Add	*798.72*	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,994.75	164.81
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*414.75*	
		For Class 55 Rating, Add	*618.13*	
		For Class 56 Rating, Add	*818.77*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.11	166.61
		For Class 52 Rating, Deduct	*-309.39*	
		For Class 54 Rating, Add	*424.93*	
		For Class 55 Rating, Add	*633.29*	
		For Class 56 Rating, Add	*838.83*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.46	168.39
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*435.11*	
		For Class 55 Rating, Add	*648.44*	
		For Class 56 Rating, Add	*858.88*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,205.82	170.19
		For Class 52 Rating, Deduct	*-324.28*	
		For Class 54 Rating, Add	*445.29*	
		For Class 55 Rating, Add	*663.59*	
		For Class 56 Rating, Add	*878.94*	
40 05 19 00-1069		6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	665.96	128.71
		For Class 52 Rating, Deduct	*-51.80*	
		For Class 54 Rating, Add	*72.98*	
		For Class 55 Rating, Add	*109.70*	
		For Class 56 Rating, Add	*145.95*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.93	130.50
		For Class 52 Rating, Deduct	*-60.96*	
		For Class 54 Rating, Add	*85.50*	
		For Class 55 Rating, Add	*128.33*	
		For Class 56 Rating, Add	*170.61*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.90	132.28
		For Class 52 Rating, Deduct	*-70.12*	
		For Class 54 Rating, Add	*98.03*	
		For Class 55 Rating, Add	*146.97*	
		For Class 56 Rating, Add	*195.27*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.86	134.07
		For Class 52 Rating, Deduct	*-79.28*	
		For Class 54 Rating, Add	*110.55*	
		For Class 55 Rating, Add	*165.60*	
		For Class 56 Rating, Add	*219.93*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,009.84	135.86
		For Class 52 Rating, Deduct	*-88.44*	
		For Class 54 Rating, Add	*123.07*	
		For Class 55 Rating, Add	*184.23*	
		For Class 56 Rating, Add	*244.59*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,095.81	137.65
		For Class 52 Rating, Deduct	*-97.60*	
		For Class 54 Rating, Add	*135.59*	
		For Class 55 Rating, Add	*202.86*	
		For Class 56 Rating, Add	*269.25*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.79	139.43
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*148.11*	
		For Class 55 Rating, Add	*221.50*	
		For Class 56 Rating, Add	*293.91*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,267.75	141.23
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*160.63*	
		For Class 55 Rating, Add	*240.13*	
		For Class 56 Rating, Add	*318.57*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.72	143.01
		For Class 52 Rating, Deduct	*-125.07*	
		For Class 54 Rating, Add	*173.16*	
		For Class 55 Rating, Add	*258.76*	
		For Class 56 Rating, Add	*343.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.69	144.79
		For Class 52 Rating, Deduct	*-134.23*	
		For Class 54 Rating, Add	*185.68*	
		For Class 55 Rating, Add	*277.39*	
		For Class 56 Rating, Add	*367.89*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,525.66	146.58
		For Class 52 Rating, Deduct	*-143.39*	
		For Class 54 Rating, Add	*198.20*	
		For Class 55 Rating, Add	*296.02*	
		For Class 56 Rating, Add	*392.55*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,611.62	148.37
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*210.72*	
		For Class 55 Rating, Add	*314.66*	
		For Class 56 Rating, Add	*417.20*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.60	150.16
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*223.24*	
		For Class 55 Rating, Add	*333.29*	
		For Class 56 Rating, Add	*441.86*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,783.58	151.94
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*235.77*	
		For Class 55 Rating, Add	*351.92*	
		For Class 56 Rating, Add	*466.53*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.54	153.74
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*248.29*	
		For Class 55 Rating, Add	*370.55*	
		For Class 56 Rating, Add	*491.19*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.51	155.52
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*260.81*	
		For Class 55 Rating, Add	*389.19*	
		For Class 56 Rating, Add	*515.84*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,041.48	157.31
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*273.33*	
		For Class 55 Rating, Add	*407.82*	
		For Class 56 Rating, Add	*540.50*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.45	159.10
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*285.85*	
		For Class 55 Rating, Add	*426.45*	
		For Class 56 Rating, Add	*565.16*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.41	160.89
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*298.37*	
		For Class 55 Rating, Add	*445.08*	
		For Class 56 Rating, Add	*589.82*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.38	162.68
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*310.89*	
		For Class 55 Rating, Add	*463.71*	
		For Class 56 Rating, Add	*614.48*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.37	164.46
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*323.42*	
		For Class 55 Rating, Add	*482.35*	
		For Class 56 Rating, Add	*639.14*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,471.33	166.25
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*335.94*	
		For Class 55 Rating, Add	*500.98*	
		For Class 56 Rating, Add	*663.80*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,557.30	168.04
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*348.46*	
		For Class 55 Rating, Add	*519.61*	
		For Class 56 Rating, Add	*688.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,643.27	169.82
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*360.98*	
		For Class 55 Rating, Add	*538.24*	
		For Class 56 Rating, Add	*713.12*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.24	171.61
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*373.50*	
		For Class 55 Rating, Add	*556.88*	
		For Class 56 Rating, Add	*737.78*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.20	173.40
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*386.02*	
		For Class 55 Rating, Add	*575.51*	
		For Class 56 Rating, Add	*762.44*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.17	175.19
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*398.55*	
		For Class 55 Rating, Add	*594.14*	
		For Class 56 Rating, Add	*787.10*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,987.15	176.97
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*411.07*	
		For Class 55 Rating, Add	*612.77*	
		For Class 56 Rating, Add	*811.76*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.13	178.76
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*423.59*	
		For Class 55 Rating, Add	*631.41*	
		For Class 56 Rating, Add	*836.42*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,159.09	180.55
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*436.11*	
		For Class 55 Rating, Add	*650.04*	
		For Class 56 Rating, Add	*861.08*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,245.06	182.33
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*448.63*	
		For Class 55 Rating, Add	*668.67*	
		For Class 56 Rating, Add	*885.74*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,331.03	184.13
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*461.16*	
		For Class 55 Rating, Add	*687.30*	
		For Class 56 Rating, Add	*910.40*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,416.99	185.91
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*473.68*	
		For Class 55 Rating, Add	*705.93*	
		For Class 56 Rating, Add	*935.06*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.97	187.71
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*486.20*	
		For Class 55 Rating, Add	*724.57*	
		For Class 56 Rating, Add	*959.72*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.94	189.48
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*498.72*	
		For Class 55 Rating, Add	*743.20*	
		For Class 56 Rating, Add	*984.38*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.91	191.28
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*511.24*	
		For Class 55 Rating, Add	*761.83*	
		For Class 56 Rating, Add	*1,009.04*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,760.88	193.06
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*523.76*	
		For Class 55 Rating, Add	*780.46*	
		For Class 56 Rating, Add	*1,033.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,846.85	194.84
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*536.29*	
		For Class 55 Rating, Add	*799.10*	
		For Class 56 Rating, Add	*1,058.36*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,932.82	196.64
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*548.81*	
		For Class 55 Rating, Add	*817.73*	
		For Class 56 Rating, Add	*1,083.02*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	933.49	164.46
		For Class 52 Rating, Deduct	*-75.27*	
		For Class 54 Rating, Add	*105.64*	
		For Class 55 Rating, Add	*158.58*	
		For Class 56 Rating, Add	*210.84*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.68	166.25
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*122.84*	
		For Class 55 Rating, Add	*184.18*	
		For Class 56 Rating, Add	*244.71*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.87	168.04
		For Class 52 Rating, Deduct	*-100.46*	
		For Class 54 Rating, Add	*140.05*	
		For Class 55 Rating, Add	*209.77*	
		For Class 56 Rating, Add	*278.58*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.07	169.82
		For Class 52 Rating, Deduct	*-113.05*	
		For Class 54 Rating, Add	*157.25*	
		For Class 55 Rating, Add	*235.37*	
		For Class 56 Rating, Add	*312.45*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.26	171.61
		For Class 52 Rating, Deduct	*-125.65*	
		For Class 54 Rating, Add	*174.46*	
		For Class 55 Rating, Add	*260.96*	
		For Class 56 Rating, Add	*346.32*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.45	173.40
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*191.66*	
		For Class 55 Rating, Add	*286.56*	
		For Class 56 Rating, Add	*380.19*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.64	175.19
		For Class 52 Rating, Deduct	*-150.83*	
		For Class 54 Rating, Add	*208.87*	
		For Class 55 Rating, Add	*312.15*	
		For Class 56 Rating, Add	*414.06*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,753.84	176.97
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*226.07*	
		For Class 55 Rating, Add	*337.75*	
		For Class 56 Rating, Add	*447.93*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.04	178.76
		For Class 52 Rating, Deduct	*-176.02*	
		For Class 54 Rating, Add	*243.28*	
		For Class 55 Rating, Add	*363.34*	
		For Class 56 Rating, Add	*481.80*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.23	180.55
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*260.48*	
		For Class 55 Rating, Add	*388.94*	
		For Class 56 Rating, Add	*515.68*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.42	182.33
		For Class 52 Rating, Deduct	*-201.21*	
		For Class 54 Rating, Add	*277.69*	
		For Class 55 Rating, Add	*414.53*	
		For Class 56 Rating, Add	*549.54*	
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.61	184.13
		For Class 52 Rating, Deduct	*-213.80*	
		For Class 54 Rating, Add	*294.89*	
		For Class 55 Rating, Add	*440.13*	
		For Class 56 Rating, Add	*583.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.80	185.91
		For Class 52 Rating, Deduct	*-226.39*	
		For Class 54 Rating, Add	*312.10*	
		For Class 55 Rating, Add	*465.72*	
		For Class 56 Rating, Add	*617.29*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.99	187.71
		For Class 52 Rating, Deduct	*-238.99*	
		For Class 54 Rating, Add	*329.30*	
		For Class 55 Rating, Add	*491.32*	
		For Class 56 Rating, Add	*651.16*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,574.19	189.48
		For Class 52 Rating, Deduct	*-251.58*	
		For Class 54 Rating, Add	*346.51*	
		For Class 55 Rating, Add	*516.91*	
		For Class 56 Rating, Add	*685.03*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,691.38	191.28
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*363.71*	
		For Class 55 Rating, Add	*542.51*	
		For Class 56 Rating, Add	*718.90*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.58	193.06
		For Class 52 Rating, Deduct	*-276.77*	
		For Class 54 Rating, Add	*380.92*	
		For Class 55 Rating, Add	*568.10*	
		For Class 56 Rating, Add	*752.77*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,925.77	194.84
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*398.12*	
		For Class 55 Rating, Add	*593.70*	
		For Class 56 Rating, Add	*786.64*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.97	196.64
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*415.33*	
		For Class 55 Rating, Add	*619.29*	
		For Class 56 Rating, Add	*820.51*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,160.16	198.42
		For Class 52 Rating, Deduct	*-314.55*	
		For Class 54 Rating, Add	*432.53*	
		For Class 55 Rating, Add	*644.89*	
		For Class 56 Rating, Add	*854.38*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,277.34	200.22
		For Class 52 Rating, Deduct	*-327.14*	
		For Class 54 Rating, Add	*449.74*	
		For Class 55 Rating, Add	*670.48*	
		For Class 56 Rating, Add	*888.25*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,394.54	202.00
		For Class 52 Rating, Deduct	*-339.73*	
		For Class 54 Rating, Add	*466.94*	
		For Class 55 Rating, Add	*696.08*	
		For Class 56 Rating, Add	*922.12*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.73	203.79
		For Class 52 Rating, Deduct	*-352.33*	
		For Class 54 Rating, Add	*484.15*	
		For Class 55 Rating, Add	*721.67*	
		For Class 56 Rating, Add	*955.99*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,628.92	205.58
		For Class 52 Rating, Deduct	*-364.92*	
		For Class 54 Rating, Add	*501.36*	
		For Class 55 Rating, Add	*747.27*	
		For Class 56 Rating, Add	*989.86*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,746.12	207.37
		For Class 52 Rating, Deduct	*-377.51*	
		For Class 54 Rating, Add	*518.56*	
		For Class 55 Rating, Add	*772.86*	
		For Class 56 Rating, Add	*1,023.73*	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.32	209.15
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*535.77*	
		For Class 55 Rating, Add	*798.46*	
		For Class 56 Rating, Add	*1,057.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,980.51	210.94
		For Class 52 Rating, Deduct	*-402.70*	
		For Class 54 Rating, Add	*552.97*	
		For Class 55 Rating, Add	*824.05*	
		For Class 56 Rating, Add	*1,091.47*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,097.70	212.73
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*570.18*	
		For Class 55 Rating, Add	*849.65*	
		For Class 56 Rating, Add	*1,125.34*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.89	214.51
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*587.38*	
		For Class 55 Rating, Add	*875.24*	
		For Class 56 Rating, Add	*1,159.21*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,332.08	216.30
		For Class 52 Rating, Deduct	*-440.48*	
		For Class 54 Rating, Add	*604.59*	
		For Class 55 Rating, Add	*900.84*	
		For Class 56 Rating, Add	*1,193.08*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,449.28	218.09
		For Class 52 Rating, Deduct	*-453.07*	
		For Class 54 Rating, Add	*621.79*	
		For Class 55 Rating, Add	*926.43*	
		For Class 56 Rating, Add	*1,226.95*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,566.46	219.88
		For Class 52 Rating, Deduct	*-465.67*	
		For Class 54 Rating, Add	*639.00*	
		For Class 55 Rating, Add	*952.03*	
		For Class 56 Rating, Add	*1,260.82*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,683.67	221.66
		For Class 52 Rating, Deduct	*-478.26*	
		For Class 54 Rating, Add	*656.20*	
		For Class 55 Rating, Add	*977.62*	
		For Class 56 Rating, Add	*1,294.69*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,800.86	223.45
		For Class 52 Rating, Deduct	*-490.85*	
		For Class 54 Rating, Add	*673.41*	
		For Class 55 Rating, Add	*1,003.22*	
		For Class 56 Rating, Add	*1,328.56*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,918.05	225.24
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*690.61*	
		For Class 55 Rating, Add	*1,028.81*	
		For Class 56 Rating, Add	*1,362.44*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.24	227.03
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*707.82*	
		For Class 55 Rating, Add	*1,054.41*	
		For Class 56 Rating, Add	*1,396.30*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,152.44	228.81
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*725.02*	
		For Class 55 Rating, Add	*1,080.00*	
		For Class 56 Rating, Add	*1,430.18*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.63	230.61
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*742.23*	
		For Class 55 Rating, Add	*1,105.60*	
		For Class 56 Rating, Add	*1,464.05*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,386.82	232.39
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*759.43*	
		For Class 55 Rating, Add	*1,131.19*	
		For Class 56 Rating, Add	*1,497.92*	
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,185.40	200.22
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*135.95*	
		For Class 55 Rating, Add	*203.98*	
		For Class 56 Rating, Add	*271.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,339.02	202.00
		For Class 52 Rating, Deduct	*-113.63*	
		For Class 54 Rating, Add	*158.62*	
		For Class 55 Rating, Add	*237.70*	
		For Class 56 Rating, Add	*315.74*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,492.64	203.79
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*181.29*	
		For Class 55 Rating, Add	*271.41*	
		For Class 56 Rating, Add	*360.36*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.25	205.58
		For Class 52 Rating, Deduct	*-146.83*	
		For Class 54 Rating, Add	*203.95*	
		For Class 55 Rating, Add	*305.13*	
		For Class 56 Rating, Add	*404.97*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,799.89	207.37
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*226.63*	
		For Class 55 Rating, Add	*338.85*	
		For Class 56 Rating, Add	*449.59*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.51	209.15
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*249.29*	
		For Class 55 Rating, Add	*372.57*	
		For Class 56 Rating, Add	*494.21*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,107.13	210.94
		For Class 52 Rating, Deduct	*-196.63*	
		For Class 54 Rating, Add	*271.96*	
		For Class 55 Rating, Add	*406.29*	
		For Class 56 Rating, Add	*538.82*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,260.74	212.73
		For Class 52 Rating, Deduct	*-213.23*	
		For Class 54 Rating, Add	*294.63*	
		For Class 55 Rating, Add	*440.01*	
		For Class 56 Rating, Add	*583.44*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.36	214.51
		For Class 52 Rating, Deduct	*-229.83*	
		For Class 54 Rating, Add	*317.30*	
		For Class 55 Rating, Add	*473.72*	
		For Class 56 Rating, Add	*628.06*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,567.98	216.30
		For Class 52 Rating, Deduct	*-246.43*	
		For Class 54 Rating, Add	*339.97*	
		For Class 55 Rating, Add	*507.44*	
		For Class 56 Rating, Add	*672.67*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,721.60	218.09
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*362.64*	
		For Class 55 Rating, Add	*541.16*	
		For Class 56 Rating, Add	*717.29*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,875.22	219.88
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*385.31*	
		For Class 55 Rating, Add	*574.88*	
		For Class 56 Rating, Add	*761.91*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,028.85	221.66
		For Class 52 Rating, Deduct	*-296.23*	
		For Class 54 Rating, Add	*407.98*	
		For Class 55 Rating, Add	*608.60*	
		For Class 56 Rating, Add	*806.52*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.47	223.45
		For Class 52 Rating, Deduct	*-312.83*	
		For Class 54 Rating, Add	*430.65*	
		For Class 55 Rating, Add	*642.32*	
		For Class 56 Rating, Add	*851.14*	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.08	225.24
		For Class 52 Rating, Deduct	*-329.43*	
		For Class 54 Rating, Add	*453.32*	
		For Class 55 Rating, Add	*676.03*	
		For Class 56 Rating, Add	*895.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,489.70	227.03
		For Class 52 Rating, Deduct	*-346.03*	
		For Class 54 Rating, Add	*475.99*	
		For Class 55 Rating, Add	*709.75*	
		For Class 56 Rating, Add	*940.37*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,643.32	228.81
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*498.65*	
		For Class 55 Rating, Add	*743.47*	
		For Class 56 Rating, Add	*984.99*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,796.94	230.61
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*521.32*	
		For Class 55 Rating, Add	*777.19*	
		For Class 56 Rating, Add	*1,029.60*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,950.56	232.39
		For Class 52 Rating, Deduct	*-395.83*	
		For Class 54 Rating, Add	*543.99*	
		For Class 55 Rating, Add	*810.91*	
		For Class 56 Rating, Add	*1,074.22*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,104.18	234.18
		For Class 52 Rating, Deduct	*-412.43*	
		For Class 54 Rating, Add	*566.66*	
		For Class 55 Rating, Add	*844.62*	
		For Class 56 Rating, Add	*1,118.84*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,257.81	235.96
		For Class 52 Rating, Deduct	*-429.03*	
		For Class 54 Rating, Add	*589.33*	
		For Class 55 Rating, Add	*878.34*	
		For Class 56 Rating, Add	*1,163.45*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,411.43	237.76
		For Class 52 Rating, Deduct	*-445.63*	
		For Class 54 Rating, Add	*612.00*	
		For Class 55 Rating, Add	*912.06*	
		For Class 56 Rating, Add	*1,208.07*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,565.04	239.54
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*634.67*	
		For Class 55 Rating, Add	*945.78*	
		For Class 56 Rating, Add	*1,252.69*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,718.66	241.32
		For Class 52 Rating, Deduct	*-478.83*	
		For Class 54 Rating, Add	*657.34*	
		For Class 55 Rating, Add	*979.50*	
		For Class 56 Rating, Add	*1,297.30*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.28	243.12
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*680.01*	
		For Class 55 Rating, Add	*1,013.21*	
		For Class 56 Rating, Add	*1,341.92*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.89	244.90
		For Class 52 Rating, Deduct	*-512.03*	
		For Class 54 Rating, Add	*702.68*	
		For Class 55 Rating, Add	*1,046.93*	
		For Class 56 Rating, Add	*1,386.53*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.52	246.69
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*725.35*	
		For Class 55 Rating, Add	*1,080.65*	
		For Class 56 Rating, Add	*1,431.15*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,333.14	248.48
		For Class 52 Rating, Deduct	*-545.23*	
		For Class 54 Rating, Add	*748.02*	
		For Class 55 Rating, Add	*1,114.37*	
		For Class 56 Rating, Add	*1,475.77*	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,486.77	250.27
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*770.69*	
		For Class 55 Rating, Add	*1,148.09*	
		For Class 56 Rating, Add	*1,520.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,640.38	252.05
		For Class 52 Rating, Deduct	*-578.43*	
		For Class 54 Rating, Add	*793.35*	
		For Class 55 Rating, Add	*1,181.81*	
		For Class 56 Rating, Add	*1,565.00*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,794.00	253.84
		For Class 52 Rating, Deduct	*-595.03*	
		For Class 54 Rating, Add	*816.02*	
		For Class 55 Rating, Add	*1,215.52*	
		For Class 56 Rating, Add	*1,609.62*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,947.62	255.63
		For Class 52 Rating, Deduct	*-611.63*	
		For Class 54 Rating, Add	*838.69*	
		For Class 55 Rating, Add	*1,249.24*	
		For Class 56 Rating, Add	*1,654.23*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.23	257.42
		For Class 52 Rating, Deduct	*-628.23*	
		For Class 54 Rating, Add	*861.36*	
		For Class 55 Rating, Add	*1,282.96*	
		For Class 56 Rating, Add	*1,698.85*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,254.86	259.20
		For Class 52 Rating, Deduct	*-644.83*	
		For Class 54 Rating, Add	*884.03*	
		For Class 55 Rating, Add	*1,316.68*	
		For Class 56 Rating, Add	*1,743.47*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,408.48	261.00
		For Class 52 Rating, Deduct	*-661.43*	
		For Class 54 Rating, Add	*906.70*	
		For Class 55 Rating, Add	*1,350.40*	
		For Class 56 Rating, Add	*1,788.08*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,562.10	262.78
		For Class 52 Rating, Deduct	*-678.03*	
		For Class 54 Rating, Add	*929.37*	
		For Class 55 Rating, Add	*1,384.12*	
		For Class 56 Rating, Add	*1,832.70*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,715.72	264.58
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*952.04*	
		For Class 55 Rating, Add	*1,417.83*	
		For Class 56 Rating, Add	*1,877.31*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,869.34	266.35
		For Class 52 Rating, Deduct	*-711.23*	
		For Class 54 Rating, Add	*974.71*	
		For Class 55 Rating, Add	*1,451.55*	
		For Class 56 Rating, Add	*1,921.93*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,022.96	268.14
		For Class 52 Rating, Deduct	*-727.83*	
		For Class 54 Rating, Add	*997.38*	
		For Class 55 Rating, Add	*1,485.27*	
		For Class 56 Rating, Add	*1,966.55*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.27	250.27
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*180.96*	
		For Class 55 Rating, Add	*271.36*	
		For Class 56 Rating, Add	*360.59*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,747.91	252.05
		For Class 52 Rating, Deduct	*-150.26*	
		For Class 54 Rating, Add	*209.48*	
		For Class 55 Rating, Add	*313.79*	
		For Class 56 Rating, Add	*416.72*	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.56	253.84
		For Class 52 Rating, Deduct	*-171.15*	
		For Class 54 Rating, Add	*238.01*	
		For Class 55 Rating, Add	*356.21*	
		For Class 56 Rating, Add	*472.85*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.21	255.63
		For Class 52 Rating, Deduct	*-192.05*	
		For Class 54 Rating, Add	*266.53*	
		For Class 55 Rating, Add	*398.63*	
		For Class 56 Rating, Add	*528.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,325.85	257.42
		For Class 52 Rating, Deduct	*-212.94*	
		For Class 54 Rating, Add	*295.05*	
		For Class 55 Rating, Add	*441.05*	
		For Class 56 Rating, Add	*585.11*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,518.50	259.20
		For Class 52 Rating, Deduct	*-233.83*	
		For Class 54 Rating, Add	*323.58*	
		For Class 55 Rating, Add	*483.47*	
		For Class 56 Rating, Add	*641.24*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.15	261.00
		For Class 52 Rating, Deduct	*-254.73*	
		For Class 54 Rating, Add	*352.10*	
		For Class 55 Rating, Add	*525.89*	
		For Class 56 Rating, Add	*697.37*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,903.80	262.78
		For Class 52 Rating, Deduct	*-275.62*	
		For Class 54 Rating, Add	*380.63*	
		For Class 55 Rating, Add	*568.32*	
		For Class 56 Rating, Add	*753.50*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,096.45	264.58
		For Class 52 Rating, Deduct	*-296.51*	
		For Class 54 Rating, Add	*409.15*	
		For Class 55 Rating, Add	*610.74*	
		For Class 56 Rating, Add	*809.63*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,289.10	266.35
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*437.67*	
		For Class 55 Rating, Add	*653.16*	
		For Class 56 Rating, Add	*865.76*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.75	268.14
		For Class 52 Rating, Deduct	*-338.30*	
		For Class 54 Rating, Add	*466.20*	
		For Class 55 Rating, Add	*695.58*	
		For Class 56 Rating, Add	*921.89*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.40	269.93
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*494.72*	
		For Class 55 Rating, Add	*738.00*	
		For Class 56 Rating, Add	*978.02*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,867.04	271.71
		For Class 52 Rating, Deduct	*-380.09*	
		For Class 54 Rating, Add	*523.24*	
		For Class 55 Rating, Add	*780.42*	
		For Class 56 Rating, Add	*1,034.15*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,059.69	273.51
		For Class 52 Rating, Deduct	*-400.98*	
		For Class 54 Rating, Add	*551.77*	
		For Class 55 Rating, Add	*822.85*	
		For Class 56 Rating, Add	*1,090.28*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,252.34	275.29
		For Class 52 Rating, Deduct	*-421.88*	
		For Class 54 Rating, Add	*580.29*	
		For Class 55 Rating, Add	*865.27*	
		For Class 56 Rating, Add	*1,146.41*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.98	277.09
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*608.81*	
		For Class 55 Rating, Add	*907.69*	
		For Class 56 Rating, Add	*1,202.54*	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,637.64	278.86
		For Class 52 Rating, Deduct	*-463.66*	
		For Class 54 Rating, Add	*637.34*	
		For Class 55 Rating, Add	*950.11*	
		For Class 56 Rating, Add	*1,258.67*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,830.29	280.66
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*665.86*	
		For Class 55 Rating, Add	*992.53*	
		For Class 56 Rating, Add	*1,314.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,022.94	282.44
		For Class 52 Rating, Deduct	*-505.45*	
		For Class 54 Rating, Add	*694.38*	
		For Class 55 Rating, Add	*1,034.95*	
		For Class 56 Rating, Add	*1,370.93*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.58	284.23
		For Class 52 Rating, Deduct	*-526.34*	
		For Class 54 Rating, Add	*722.91*	
		For Class 55 Rating, Add	*1,077.37*	
		For Class 56 Rating, Add	*1,427.06*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,408.23	286.02
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*751.43*	
		For Class 55 Rating, Add	*1,119.80*	
		For Class 56 Rating, Add	*1,483.19*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,600.88	287.80
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*779.95*	
		For Class 55 Rating, Add	*1,162.22*	
		For Class 56 Rating, Add	*1,539.32*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,793.53	289.60
		For Class 52 Rating, Deduct	*-589.02*	
		For Class 54 Rating, Add	*808.48*	
		For Class 55 Rating, Add	*1,204.64*	
		For Class 56 Rating, Add	*1,595.45*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,986.17	291.37
		For Class 52 Rating, Deduct	*-609.92*	
		For Class 54 Rating, Add	*837.00*	
		For Class 55 Rating, Add	*1,247.06*	
		For Class 56 Rating, Add	*1,651.58*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,178.83	293.17
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*865.52*	
		For Class 55 Rating, Add	*1,289.48*	
		For Class 56 Rating, Add	*1,707.71*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,371.48	294.95
		For Class 52 Rating, Deduct	*-651.70*	
		For Class 54 Rating, Add	*894.05*	
		For Class 55 Rating, Add	*1,331.90*	
		For Class 56 Rating, Add	*1,763.84*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,564.12	296.75
		For Class 52 Rating, Deduct	*-672.60*	
		For Class 54 Rating, Add	*922.57*	
		For Class 55 Rating, Add	*1,374.33*	
		For Class 56 Rating, Add	*1,819.97*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.77	298.53
		For Class 52 Rating, Deduct	*-693.49*	
		For Class 54 Rating, Add	*951.10*	
		For Class 55 Rating, Add	*1,416.75*	
		For Class 56 Rating, Add	*1,876.10*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,949.42	300.32
		For Class 52 Rating, Deduct	*-714.38*	
		For Class 54 Rating, Add	*979.62*	
		For Class 55 Rating, Add	*1,459.17*	
		For Class 56 Rating, Add	*1,932.23*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,142.07	302.11
		For Class 52 Rating, Deduct	*-735.28*	
		For Class 54 Rating, Add	*1,008.14*	
		For Class 55 Rating, Add	*1,501.59*	
		For Class 56 Rating, Add	*1,988.36*	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,334.71	303.90
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,036.67*	
		For Class 55 Rating, Add	*1,544.01*	
		For Class 56 Rating, Add	*2,044.49*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,527.36	305.68
		For Class 52 Rating, Deduct	*-777.06*	
		For Class 54 Rating, Add	*1,065.19*	
		For Class 55 Rating, Add	*1,586.43*	
		For Class 56 Rating, Add	*2,100.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,720.02	307.48
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,093.71*	
		For Class 55 Rating, Add	*1,628.86*	
		For Class 56 Rating, Add	*2,156.75*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,912.67	309.26
		For Class 52 Rating, Deduct	*-818.85*	
		For Class 54 Rating, Add	*1,122.24*	
		For Class 55 Rating, Add	*1,671.28*	
		For Class 56 Rating, Add	*2,212.88*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,105.31	311.04
		For Class 52 Rating, Deduct	*-839.74*	
		For Class 54 Rating, Add	*1,150.76*	
		For Class 55 Rating, Add	*1,713.70*	
		For Class 56 Rating, Add	*2,269.00*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,297.96	312.83
		For Class 52 Rating, Deduct	*-860.64*	
		For Class 54 Rating, Add	*1,179.28*	
		For Class 55 Rating, Add	*1,756.12*	
		For Class 56 Rating, Add	*2,325.13*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,490.61	314.62
		For Class 52 Rating, Deduct	*-881.53*	
		For Class 54 Rating, Add	*1,207.81*	
		For Class 55 Rating, Add	*1,798.54*	
		For Class 56 Rating, Add	*2,381.26*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,683.25	316.41
		For Class 52 Rating, Deduct	*-902.42*	
		For Class 54 Rating, Add	*1,236.33*	
		For Class 55 Rating, Add	*1,840.96*	
		For Class 56 Rating, Add	*2,437.39*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,875.90	318.19
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,264.85*	
		For Class 55 Rating, Add	*1,883.39*	
		For Class 56 Rating, Add	*2,493.52*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.27	300.32
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*257.20*	
		For Class 55 Rating, Add	*385.17*	
		For Class 56 Rating, Add	*511.46*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,367.55	302.11
		For Class 52 Rating, Deduct	*-210.08*	
		For Class 54 Rating, Add	*291.96*	
		For Class 55 Rating, Add	*436.87*	
		For Class 56 Rating, Add	*579.87*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,601.82	303.90
		For Class 52 Rating, Deduct	*-235.55*	
		For Class 54 Rating, Add	*326.73*	
		For Class 55 Rating, Add	*488.58*	
		For Class 56 Rating, Add	*648.28*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,836.10	305.68
		For Class 52 Rating, Deduct	*-261.02*	
		For Class 54 Rating, Add	*361.50*	
		For Class 55 Rating, Add	*540.28*	
		For Class 56 Rating, Add	*716.69*	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.39	307.48
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*396.27*	
		For Class 55 Rating, Add	*591.99*	
		For Class 56 Rating, Add	*785.10*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,304.67	309.26
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*431.04*	
		For Class 55 Rating, Add	*643.69*	
		For Class 56 Rating, Add	*853.52*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,538.94	311.04
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*465.80*	
		For Class 55 Rating, Add	*695.40*	
		For Class 56 Rating, Add	*921.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.22	312.83
		For Class 52 Rating, Deduct	*-362.92*	
		For Class 54 Rating, Add	*500.57*	
		For Class 55 Rating, Add	*747.10*	
		For Class 56 Rating, Add	*990.34*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,007.51	314.62
		For Class 52 Rating, Deduct	*-388.39*	
		For Class 54 Rating, Add	*535.34*	
		For Class 55 Rating, Add	*798.81*	
		For Class 56 Rating, Add	*1,058.75*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,241.78	316.41
		For Class 52 Rating, Deduct	*-413.86*	
		For Class 54 Rating, Add	*570.11*	
		For Class 55 Rating, Add	*850.52*	
		For Class 56 Rating, Add	*1,127.16*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,476.06	318.19
		For Class 52 Rating, Deduct	*-439.33*	
		For Class 54 Rating, Add	*604.88*	
		For Class 55 Rating, Add	*902.22*	
		For Class 56 Rating, Add	*1,195.57*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,710.34	319.99
		For Class 52 Rating, Deduct	*-464.81*	
		For Class 54 Rating, Add	*639.65*	
		For Class 55 Rating, Add	*953.93*	
		For Class 56 Rating, Add	*1,263.98*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,944.63	321.77
		For Class 52 Rating, Deduct	*-490.28*	
		For Class 54 Rating, Add	*674.41*	
		For Class 55 Rating, Add	*1,005.63*	
		For Class 56 Rating, Add	*1,332.39*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.90	323.56
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*709.18*	
		For Class 55 Rating, Add	*1,057.34*	
		For Class 56 Rating, Add	*1,400.80*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.18	325.34
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*743.95*	
		For Class 55 Rating, Add	*1,109.04*	
		For Class 56 Rating, Add	*1,469.21*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,647.46	327.14
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*778.72*	
		For Class 55 Rating, Add	*1,160.75*	
		For Class 56 Rating, Add	*1,537.62*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,881.74	328.92
		For Class 52 Rating, Deduct	*-592.17*	
		For Class 54 Rating, Add	*813.49*	
		For Class 55 Rating, Add	*1,212.45*	
		For Class 56 Rating, Add	*1,606.04*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,116.01	330.71
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*848.25*	
		For Class 55 Rating, Add	*1,264.16*	
		For Class 56 Rating, Add	*1,674.45*	
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,350.29	332.50
		For Class 52 Rating, Deduct	*-643.12*	
		For Class 54 Rating, Add	*883.02*	
		For Class 55 Rating, Add	*1,315.86*	
		For Class 56 Rating, Add	*1,742.86*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,584.58	334.29
		For Class 52 Rating, Deduct	*-668.59*	
		For Class 54 Rating, Add	*917.79*	
		For Class 55 Rating, Add	*1,367.57*	
		For Class 56 Rating, Add	*1,811.27*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,818.86	336.07
		For Class 52 Rating, Deduct	*-694.06*	
		For Class 54 Rating, Add	*952.56*	
		For Class 55 Rating, Add	*1,419.27*	
		For Class 56 Rating, Add	*1,879.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,053.14	337.85
		For Class 52 Rating, Deduct	*-719.54*	
		For Class 54 Rating, Add	*987.33*	
		For Class 55 Rating, Add	*1,470.98*	
		For Class 56 Rating, Add	*1,948.09*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,287.42	339.65
		For Class 52 Rating, Deduct	*-745.01*	
		For Class 54 Rating, Add	*1,022.10*	
		For Class 55 Rating, Add	*1,522.69*	
		For Class 56 Rating, Add	*2,016.50*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,521.70	341.43
		For Class 52 Rating, Deduct	*-770.48*	
		For Class 54 Rating, Add	*1,056.86*	
		For Class 55 Rating, Add	*1,574.39*	
		For Class 56 Rating, Add	*2,084.91*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,755.97	343.22
		For Class 52 Rating, Deduct	*-795.95*	
		For Class 54 Rating, Add	*1,091.63*	
		For Class 55 Rating, Add	*1,626.10*	
		For Class 56 Rating, Add	*2,153.32*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,990.25	345.01
		For Class 52 Rating, Deduct	*-821.43*	
		For Class 54 Rating, Add	*1,126.40*	
		For Class 55 Rating, Add	*1,677.80*	
		For Class 56 Rating, Add	*2,221.73*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,224.53	346.80
		For Class 52 Rating, Deduct	*-846.90*	
		For Class 54 Rating, Add	*1,161.17*	
		For Class 55 Rating, Add	*1,729.51*	
		For Class 56 Rating, Add	*2,290.14*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,458.80	348.58
		For Class 52 Rating, Deduct	*-872.37*	
		For Class 54 Rating, Add	*1,195.94*	
		For Class 55 Rating, Add	*1,781.21*	
		For Class 56 Rating, Add	*2,358.56*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,693.09	350.38
		For Class 52 Rating, Deduct	*-897.84*	
		For Class 54 Rating, Add	*1,230.70*	
		For Class 55 Rating, Add	*1,832.92*	
		For Class 56 Rating, Add	*2,426.97*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,927.37	352.16
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,265.47*	
		For Class 55 Rating, Add	*1,884.62*	
		For Class 56 Rating, Add	*2,495.38*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,161.65	353.95
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,300.24*	
		For Class 55 Rating, Add	*1,936.33*	
		For Class 56 Rating, Add	*2,563.79*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,395.93	355.73
		For Class 52 Rating, Deduct	*-974.26*	
		For Class 54 Rating, Add	*1,335.01*	
		For Class 55 Rating, Add	*1,988.03*	
		For Class 56 Rating, Add	*2,632.20*	
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,630.21	357.53
		For Class 52 Rating, Deduct	*-999.74*	
		For Class 54 Rating, Add	*1,369.78*	
		For Class 55 Rating, Add	*2,039.74*	
		For Class 56 Rating, Add	*2,700.61*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,864.49	359.31
		For Class 52 Rating, Deduct	*-1,025.21*	
		For Class 54 Rating, Add	*1,404.54*	
		For Class 55 Rating, Add	*2,091.44*	
		For Class 56 Rating, Add	*2,769.02*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,098.77	361.09
		For Class 52 Rating, Deduct	*-1,050.68*	
		For Class 54 Rating, Add	*1,439.31*	
		For Class 55 Rating, Add	*2,143.15*	
		For Class 56 Rating, Add	*2,837.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,333.04	362.89
		For Class 52 Rating, Deduct	*-1,076.15*	
		For Class 54 Rating, Add	*1,474.08*	
		For Class 55 Rating, Add	*2,194.85*	
		For Class 56 Rating, Add	*2,905.84*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,567.33	364.67
		For Class 52 Rating, Deduct	*-1,101.63*	
		For Class 54 Rating, Add	*1,508.85*	
		For Class 55 Rating, Add	*2,246.56*	
		For Class 56 Rating, Add	*2,974.25*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,801.61	366.47
		For Class 52 Rating, Deduct	*-1,127.10*	
		For Class 54 Rating, Add	*1,543.62*	
		For Class 55 Rating, Add	*2,298.26*	
		For Class 56 Rating, Add	*3,042.67*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.29	343.22
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*304.03*	
		For Class 55 Rating, Add	*455.19*	
		For Class 56 Rating, Add	*604.37*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.60	345.01
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*344.65*	
		For Class 55 Rating, Add	*515.60*	
		For Class 56 Rating, Add	*684.30*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.91	346.80
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*385.27*	
		For Class 55 Rating, Add	*576.01*	
		For Class 56 Rating, Add	*764.22*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.21	348.58
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*425.90*	
		For Class 55 Rating, Add	*636.42*	
		For Class 56 Rating, Add	*844.15*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.53	350.38
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*466.52*	
		For Class 55 Rating, Add	*696.83*	
		For Class 56 Rating, Add	*924.07*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.84	352.16
		For Class 52 Rating, Deduct	*-367.21*	
		For Class 54 Rating, Add	*507.14*	
		For Class 55 Rating, Add	*757.24*	
		For Class 56 Rating, Add	*1,004.00*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,145.15	353.95
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*547.76*	
		For Class 55 Rating, Add	*817.65*	
		For Class 56 Rating, Add	*1,083.92*	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,418.45	355.73
		For Class 52 Rating, Deduct	*-426.74*	
		For Class 54 Rating, Add	*588.39*	
		For Class 55 Rating, Add	*878.06*	
		For Class 56 Rating, Add	*1,163.84*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,691.76	357.53
		For Class 52 Rating, Deduct	*-456.51*	
		For Class 54 Rating, Add	*629.01*	
		For Class 55 Rating, Add	*938.46*	
		For Class 56 Rating, Add	*1,243.77*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,965.07	359.31
		For Class 52 Rating, Deduct	*-486.27*	
		For Class 54 Rating, Add	*669.63*	
		For Class 55 Rating, Add	*998.87*	
		For Class 56 Rating, Add	*1,323.69*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,238.38	361.09
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*710.25*	
		For Class 55 Rating, Add	*1,059.28*	
		For Class 56 Rating, Add	*1,403.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,511.68	362.89
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*750.88*	
		For Class 55 Rating, Add	*1,119.69*	
		For Class 56 Rating, Add	*1,483.54*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,785.00	364.67
		For Class 52 Rating, Deduct	*-575.57*	
		For Class 54 Rating, Add	*791.50*	
		For Class 55 Rating, Add	*1,180.10*	
		For Class 56 Rating, Add	*1,563.47*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.31	366.47
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*832.12*	
		For Class 55 Rating, Add	*1,240.51*	
		For Class 56 Rating, Add	*1,643.39*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,331.61	368.24
		For Class 52 Rating, Deduct	*-635.10*	
		For Class 54 Rating, Add	*872.74*	
		For Class 55 Rating, Add	*1,300.92*	
		For Class 56 Rating, Add	*1,723.32*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.92	370.04
		For Class 52 Rating, Deduct	*-664.87*	
		For Class 54 Rating, Add	*913.37*	
		For Class 55 Rating, Add	*1,361.33*	
		For Class 56 Rating, Add	*1,803.24*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,878.23	371.82
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*953.99*	
		For Class 55 Rating, Add	*1,421.73*	
		For Class 56 Rating, Add	*1,883.17*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,151.54	373.61
		For Class 52 Rating, Deduct	*-724.40*	
		For Class 54 Rating, Add	*994.61*	
		For Class 55 Rating, Add	*1,482.14*	
		For Class 56 Rating, Add	*1,963.09*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,424.84	375.40
		For Class 52 Rating, Deduct	*-754.17*	
		For Class 54 Rating, Add	*1,035.23*	
		For Class 55 Rating, Add	*1,542.55*	
		For Class 56 Rating, Add	*2,043.01*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,698.15	377.19
		For Class 52 Rating, Deduct	*-783.93*	
		For Class 54 Rating, Add	*1,075.86*	
		For Class 55 Rating, Add	*1,602.96*	
		For Class 56 Rating, Add	*2,122.94*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,971.47	378.98
		For Class 52 Rating, Deduct	*-813.70*	
		For Class 54 Rating, Add	*1,116.48*	
		For Class 55 Rating, Add	*1,663.37*	
		For Class 56 Rating, Add	*2,202.86*	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,244.78	380.75
		For Class 52 Rating, Deduct	*-843.46*	
		For Class 54 Rating, Add	*1,157.10*	
		For Class 55 Rating, Add	*1,723.78*	
		For Class 56 Rating, Add	*2,282.79*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,518.08	382.55
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,197.72*	
		For Class 55 Rating, Add	*1,784.19*	
		For Class 56 Rating, Add	*2,362.71*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,791.39	384.33
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,238.35*	
		For Class 55 Rating, Add	*1,844.60*	
		For Class 56 Rating, Add	*2,442.64*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,064.70	386.13
		For Class 52 Rating, Deduct	*-932.76*	
		For Class 54 Rating, Add	*1,278.97*	
		For Class 55 Rating, Add	*1,905.01*	
		For Class 56 Rating, Add	*2,522.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,338.00	387.91
		For Class 52 Rating, Deduct	*-962.53*	
		For Class 54 Rating, Add	*1,319.59*	
		For Class 55 Rating, Add	*1,965.41*	
		For Class 56 Rating, Add	*2,602.49*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,611.31	389.70
		For Class 52 Rating, Deduct	*-992.29*	
		For Class 54 Rating, Add	*1,360.21*	
		For Class 55 Rating, Add	*2,025.82*	
		For Class 56 Rating, Add	*2,682.41*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,884.62	391.49
		For Class 52 Rating, Deduct	*-1,022.06*	
		For Class 54 Rating, Add	*1,400.84*	
		For Class 55 Rating, Add	*2,086.23*	
		For Class 56 Rating, Add	*2,762.33*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,157.94	393.28
		For Class 52 Rating, Deduct	*-1,051.83*	
		For Class 54 Rating, Add	*1,441.46*	
		For Class 55 Rating, Add	*2,146.64*	
		For Class 56 Rating, Add	*2,842.26*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,431.24	395.06
		For Class 52 Rating, Deduct	*-1,081.59*	
		For Class 54 Rating, Add	*1,482.08*	
		For Class 55 Rating, Add	*2,207.05*	
		For Class 56 Rating, Add	*2,922.18*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,704.55	396.85
		For Class 52 Rating, Deduct	*-1,111.36*	
		For Class 54 Rating, Add	*1,522.70*	
		For Class 55 Rating, Add	*2,267.46*	
		For Class 56 Rating, Add	*3,002.11*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,977.86	398.64
		For Class 52 Rating, Deduct	*-1,141.12*	
		For Class 54 Rating, Add	*1,563.33*	
		For Class 55 Rating, Add	*2,327.87*	
		For Class 56 Rating, Add	*3,082.03*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,251.16	400.43
		For Class 52 Rating, Deduct	*-1,170.89*	
		For Class 54 Rating, Add	*1,603.95*	
		For Class 55 Rating, Add	*2,388.27*	
		For Class 56 Rating, Add	*3,161.95*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,524.46	402.21
		For Class 52 Rating, Deduct	*-1,200.66*	
		For Class 54 Rating, Add	*1,644.57*	
		For Class 55 Rating, Add	*2,448.68*	
		For Class 56 Rating, Add	*3,241.88*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,797.77	404.01
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,685.19*	
		For Class 55 Rating, Add	*2,509.09*	
		For Class 56 Rating, Add	*3,321.80*	
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,071.08	405.79
		For Class 52 Rating, Deduct	*-1,260.19*	
		For Class 54 Rating, Add	*1,725.82*	
		For Class 55 Rating, Add	*2,569.50*	
		For Class 56 Rating, Add	*3,401.73*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,344.39	407.57
		For Class 52 Rating, Deduct	*-1,289.95*	
		For Class 54 Rating, Add	*1,766.44*	
		For Class 55 Rating, Add	*2,629.91*	
		For Class 56 Rating, Add	*3,481.65*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,617.70	409.37
		For Class 52 Rating, Deduct	*-1,319.72*	
		For Class 54 Rating, Add	*1,807.06*	
		For Class 55 Rating, Add	*2,690.32*	
		For Class 56 Rating, Add	*3,561.58*	
40 05 19 00-1307		18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,914.84	386.84
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*356.34*	
		For Class 55 Rating, Add	*533.37*	
		For Class 56 Rating, Add	*708.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,229.78	388.63
		For Class 52 Rating, Deduct	*-290.50*	
		For Class 54 Rating, Add	*403.21*	
		For Class 55 Rating, Add	*603.06*	
		For Class 56 Rating, Add	*800.28*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,544.72	390.41
		For Class 52 Rating, Deduct	*-324.85*	
		For Class 54 Rating, Add	*450.08*	
		For Class 55 Rating, Add	*672.76*	
		For Class 56 Rating, Add	*892.48*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,859.66	392.21
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*496.94*	
		For Class 55 Rating, Add	*742.45*	
		For Class 56 Rating, Add	*984.69*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,174.60	393.99
		For Class 52 Rating, Deduct	*-393.54*	
		For Class 54 Rating, Add	*543.81*	
		For Class 55 Rating, Add	*812.14*	
		For Class 56 Rating, Add	*1,076.89*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,489.54	395.78
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*590.68*	
		For Class 55 Rating, Add	*881.83*	
		For Class 56 Rating, Add	*1,169.10*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,804.47	397.56
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*637.54*	
		For Class 55 Rating, Add	*951.53*	
		For Class 56 Rating, Add	*1,261.30*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,119.41	399.36
		For Class 52 Rating, Deduct	*-496.58*	
		For Class 54 Rating, Add	*684.41*	
		For Class 55 Rating, Add	*1,021.22*	
		For Class 56 Rating, Add	*1,353.51*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,434.35	401.14
		For Class 52 Rating, Deduct	*-530.92*	
		For Class 54 Rating, Add	*731.28*	
		For Class 55 Rating, Add	*1,090.91*	
		For Class 56 Rating, Add	*1,445.72*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,749.29	402.92
		For Class 52 Rating, Deduct	*-565.27*	
		For Class 54 Rating, Add	*778.14*	
		For Class 55 Rating, Add	*1,160.60*	
		For Class 56 Rating, Add	*1,537.92*	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,064.23	404.72
		For Class 52 Rating, Deduct	*-599.61*	
		For Class 54 Rating, Add	*825.01*	
		For Class 55 Rating, Add	*1,230.29*	
		For Class 56 Rating, Add	*1,630.13*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,379.17	406.50
		For Class 52 Rating, Deduct	*-633.96*	
		For Class 54 Rating, Add	*871.88*	
		For Class 55 Rating, Add	*1,299.99*	
		For Class 56 Rating, Add	*1,722.33*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,694.11	408.29
		For Class 52 Rating, Deduct	*-668.30*	
		For Class 54 Rating, Add	*918.75*	
		For Class 55 Rating, Add	*1,369.68*	
		For Class 56 Rating, Add	*1,814.54*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,009.04	410.07
		For Class 52 Rating, Deduct	*-702.65*	
		For Class 54 Rating, Add	*965.61*	
		For Class 55 Rating, Add	*1,439.37*	
		For Class 56 Rating, Add	*1,906.74*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,323.98	411.87
		For Class 52 Rating, Deduct	*-736.99*	
		For Class 54 Rating, Add	*1,012.48*	
		For Class 55 Rating, Add	*1,509.06*	
		For Class 56 Rating, Add	*1,998.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,638.92	413.65
		For Class 52 Rating, Deduct	*-771.34*	
		For Class 54 Rating, Add	*1,059.35*	
		For Class 55 Rating, Add	*1,578.76*	
		For Class 56 Rating, Add	*2,091.15*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,953.86	415.44
		For Class 52 Rating, Deduct	*-805.68*	
		For Class 54 Rating, Add	*1,106.21*	
		For Class 55 Rating, Add	*1,648.45*	
		For Class 56 Rating, Add	*2,183.36*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,268.80	417.23
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,153.08*	
		For Class 55 Rating, Add	*1,718.14*	
		For Class 56 Rating, Add	*2,275.57*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,583.75	419.02
		For Class 52 Rating, Deduct	*-874.38*	
		For Class 54 Rating, Add	*1,199.95*	
		For Class 55 Rating, Add	*1,787.84*	
		For Class 56 Rating, Add	*2,367.77*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,898.69	420.80
		For Class 52 Rating, Deduct	*-908.72*	
		For Class 54 Rating, Add	*1,246.82*	
		For Class 55 Rating, Add	*1,857.53*	
		For Class 56 Rating, Add	*2,459.98*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,213.62	422.60
		For Class 52 Rating, Deduct	*-943.07*	
		For Class 54 Rating, Add	*1,293.68*	
		For Class 55 Rating, Add	*1,927.22*	
		For Class 56 Rating, Add	*2,552.18*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,528.56	424.38
		For Class 52 Rating, Deduct	*-977.41*	
		For Class 54 Rating, Add	*1,340.55*	
		For Class 55 Rating, Add	*1,996.91*	
		For Class 56 Rating, Add	*2,644.39*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,843.50	426.18
		For Class 52 Rating, Deduct	*-1,011.76*	
		For Class 54 Rating, Add	*1,387.42*	
		For Class 55 Rating, Add	*2,066.60*	
		For Class 56 Rating, Add	*2,736.59*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,158.44	427.95
		For Class 52 Rating, Deduct	*-1,046.10*	
		For Class 54 Rating, Add	*1,434.28*	
		For Class 55 Rating, Add	*2,136.30*	
		For Class 56 Rating, Add	*2,828.80*	
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,473.37	429.74
		For Class 52 Rating, Deduct	*-1,080.45*	
		For Class 54 Rating, Add	*1,481.15*	
		For Class 55 Rating, Add	*2,205.99*	
		For Class 56 Rating, Add	*2,921.00*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,788.31	431.53
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,528.02*	
		For Class 55 Rating, Add	*2,275.68*	
		For Class 56 Rating, Add	*3,013.21*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,103.26	433.32
		For Class 52 Rating, Deduct	*-1,149.14*	
		For Class 54 Rating, Add	*1,574.89*	
		For Class 55 Rating, Add	*2,345.37*	
		For Class 56 Rating, Add	*3,105.42*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,418.20	435.11
		For Class 52 Rating, Deduct	*-1,183.48*	
		For Class 54 Rating, Add	*1,621.75*	
		For Class 55 Rating, Add	*2,415.07*	
		For Class 56 Rating, Add	*3,197.62*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,733.13	436.89
		For Class 52 Rating, Deduct	*-1,217.83*	
		For Class 54 Rating, Add	*1,668.62*	
		For Class 55 Rating, Add	*2,484.76*	
		For Class 56 Rating, Add	*3,289.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,048.07	438.69
		For Class 52 Rating, Deduct	*-1,252.17*	
		For Class 54 Rating, Add	*1,715.49*	
		For Class 55 Rating, Add	*2,554.45*	
		For Class 56 Rating, Add	*3,382.03*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,363.01	440.46
		For Class 52 Rating, Deduct	*-1,286.52*	
		For Class 54 Rating, Add	*1,762.35*	
		For Class 55 Rating, Add	*2,624.14*	
		For Class 56 Rating, Add	*3,474.24*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,677.94	442.26
		For Class 52 Rating, Deduct	*-1,320.86*	
		For Class 54 Rating, Add	*1,809.22*	
		For Class 55 Rating, Add	*2,693.83*	
		For Class 56 Rating, Add	*3,566.44*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,992.88	444.04
		For Class 52 Rating, Deduct	*-1,355.21*	
		For Class 54 Rating, Add	*1,856.09*	
		For Class 55 Rating, Add	*2,763.53*	
		For Class 56 Rating, Add	*3,658.65*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,307.82	445.84
		For Class 52 Rating, Deduct	*-1,389.56*	
		For Class 54 Rating, Add	*1,902.95*	
		For Class 55 Rating, Add	*2,833.22*	
		For Class 56 Rating, Add	*3,750.85*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,622.77	447.62
		For Class 52 Rating, Deduct	*-1,423.90*	
		For Class 54 Rating, Add	*1,949.82*	
		For Class 55 Rating, Add	*2,902.91*	
		For Class 56 Rating, Add	*3,843.06*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,937.70	449.41
		For Class 52 Rating, Deduct	*-1,458.25*	
		For Class 54 Rating, Add	*1,996.69*	
		For Class 55 Rating, Add	*2,972.60*	
		For Class 56 Rating, Add	*3,935.26*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,252.64	451.20
		For Class 52 Rating, Deduct	*-1,492.59*	
		For Class 54 Rating, Add	*2,043.56*	
		For Class 55 Rating, Add	*3,042.30*	
		For Class 56 Rating, Add	*4,027.47*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,567.58	452.97
		For Class 52 Rating, Deduct	*-1,526.94*	
		For Class 54 Rating, Add	*2,090.42*	
		For Class 55 Rating, Add	*3,111.99*	
		For Class 56 Rating, Add	*4,119.67*	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.42	441.54
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*419.39*	
		For Class 55 Rating, Add	*627.62*	
		For Class 56 Rating, Add	*833.10*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,773.20	443.33
		For Class 52 Rating, Deduct	*-341.16*	
		For Class 54 Rating, Add	*473.28*	
		For Class 55 Rating, Add	*707.75*	
		For Class 56 Rating, Add	*939.12*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,134.97	445.11
		For Class 52 Rating, Deduct	*-380.66*	
		For Class 54 Rating, Add	*527.18*	
		For Class 55 Rating, Add	*787.89*	
		For Class 56 Rating, Add	*1,045.14*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,496.74	446.91
		For Class 52 Rating, Deduct	*-420.16*	
		For Class 54 Rating, Add	*581.07*	
		For Class 55 Rating, Add	*868.03*	
		For Class 56 Rating, Add	*1,151.16*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,858.51	448.69
		For Class 52 Rating, Deduct	*-459.65*	
		For Class 54 Rating, Add	*634.96*	
		For Class 55 Rating, Add	*948.16*	
		For Class 56 Rating, Add	*1,257.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,220.30	450.48
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*688.85*	
		For Class 55 Rating, Add	*1,028.30*	
		For Class 56 Rating, Add	*1,363.21*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,582.07	452.27
		For Class 52 Rating, Deduct	*-538.65*	
		For Class 54 Rating, Add	*742.74*	
		For Class 55 Rating, Add	*1,108.43*	
		For Class 56 Rating, Add	*1,469.23*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,943.84	454.06
		For Class 52 Rating, Deduct	*-578.15*	
		For Class 54 Rating, Add	*796.64*	
		For Class 55 Rating, Add	*1,188.57*	
		For Class 56 Rating, Add	*1,575.25*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,305.61	455.84
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*850.53*	
		For Class 55 Rating, Add	*1,268.71*	
		For Class 56 Rating, Add	*1,681.27*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,667.39	457.62
		For Class 52 Rating, Deduct	*-657.14*	
		For Class 54 Rating, Add	*904.42*	
		For Class 55 Rating, Add	*1,348.85*	
		For Class 56 Rating, Add	*1,787.29*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,029.15	459.42
		For Class 52 Rating, Deduct	*-696.64*	
		For Class 54 Rating, Add	*958.31*	
		For Class 55 Rating, Add	*1,428.98*	
		For Class 56 Rating, Add	*1,893.31*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,390.93	461.20
		For Class 52 Rating, Deduct	*-736.14*	
		For Class 54 Rating, Add	*1,012.21*	
		For Class 55 Rating, Add	*1,509.12*	
		For Class 56 Rating, Add	*1,999.34*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,752.70	462.99
		For Class 52 Rating, Deduct	*-775.63*	
		For Class 54 Rating, Add	*1,066.10*	
		For Class 55 Rating, Add	*1,589.25*	
		For Class 56 Rating, Add	*2,105.36*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,114.49	464.78
		For Class 52 Rating, Deduct	*-815.13*	
		For Class 54 Rating, Add	*1,119.99*	
		For Class 55 Rating, Add	*1,669.39*	
		For Class 56 Rating, Add	*2,211.38*	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,476.25	466.57
		For Class 52 Rating, Deduct	*-854.63*	
		For Class 54 Rating, Add	*1,173.88*	
		For Class 55 Rating, Add	*1,749.53*	
		For Class 56 Rating, Add	*2,317.40*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,838.03	468.36
		For Class 52 Rating, Deduct	*-894.12*	
		For Class 54 Rating, Add	*1,227.78*	
		For Class 55 Rating, Add	*1,829.66*	
		For Class 56 Rating, Add	*2,423.42*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,199.80	470.14
		For Class 52 Rating, Deduct	*-933.62*	
		For Class 54 Rating, Add	*1,281.67*	
		For Class 55 Rating, Add	*1,909.80*	
		For Class 56 Rating, Add	*2,529.44*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.58	471.93
		For Class 52 Rating, Deduct	*-973.12*	
		For Class 54 Rating, Add	*1,335.56*	
		For Class 55 Rating, Add	*1,989.94*	
		For Class 56 Rating, Add	*2,635.47*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,923.34	473.72
		For Class 52 Rating, Deduct	*-1,012.61*	
		For Class 54 Rating, Add	*1,389.45*	
		For Class 55 Rating, Add	*2,070.07*	
		For Class 56 Rating, Add	*2,741.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,285.12	475.51
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,443.34*	
		For Class 55 Rating, Add	*2,150.21*	
		For Class 56 Rating, Add	*2,847.51*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,646.89	477.30
		For Class 52 Rating, Deduct	*-1,091.61*	
		For Class 54 Rating, Add	*1,497.24*	
		For Class 55 Rating, Add	*2,230.35*	
		For Class 56 Rating, Add	*2,953.53*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,008.67	479.08
		For Class 52 Rating, Deduct	*-1,131.11*	
		For Class 54 Rating, Add	*1,551.13*	
		For Class 55 Rating, Add	*2,310.48*	
		For Class 56 Rating, Add	*3,059.55*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,370.44	480.87
		For Class 52 Rating, Deduct	*-1,170.60*	
		For Class 54 Rating, Add	*1,605.02*	
		For Class 55 Rating, Add	*2,390.62*	
		For Class 56 Rating, Add	*3,165.57*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,732.22	482.65
		For Class 52 Rating, Deduct	*-1,210.10*	
		For Class 54 Rating, Add	*1,658.91*	
		For Class 55 Rating, Add	*2,470.76*	
		For Class 56 Rating, Add	*3,271.60*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,093.99	484.44
		For Class 52 Rating, Deduct	*-1,249.60*	
		For Class 54 Rating, Add	*1,712.81*	
		For Class 55 Rating, Add	*2,550.89*	
		For Class 56 Rating, Add	*3,377.62*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,455.76	486.23
		For Class 52 Rating, Deduct	*-1,289.10*	
		For Class 54 Rating, Add	*1,766.70*	
		For Class 55 Rating, Add	*2,631.03*	
		For Class 56 Rating, Add	*3,483.64*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,817.53	488.02
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,820.59*	
		For Class 55 Rating, Add	*2,711.16*	
		For Class 56 Rating, Add	*3,589.66*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,179.31	489.81
		For Class 52 Rating, Deduct	*-1,368.09*	
		For Class 54 Rating, Add	*1,874.48*	
		For Class 55 Rating, Add	*2,791.30*	
		For Class 56 Rating, Add	*3,695.68*	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,541.08	491.59
		For Class 52 Rating, Deduct	*-1,407.59*	
		For Class 54 Rating, Add	*1,928.37*	
		For Class 55 Rating, Add	*2,871.44*	
		For Class 56 Rating, Add	*3,801.71*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,902.86	493.39
		For Class 52 Rating, Deduct	*-1,447.08*	
		For Class 54 Rating, Add	*1,982.27*	
		For Class 55 Rating, Add	*2,951.58*	
		For Class 56 Rating, Add	*3,907.73*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,264.63	495.17
		For Class 52 Rating, Deduct	*-1,486.58*	
		For Class 54 Rating, Add	*2,036.16*	
		For Class 55 Rating, Add	*3,031.71*	
		For Class 56 Rating, Add	*4,013.75*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,626.41	496.96
		For Class 52 Rating, Deduct	*-1,526.08*	
		For Class 54 Rating, Add	*2,090.05*	
		For Class 55 Rating, Add	*3,111.85*	
		For Class 56 Rating, Add	*4,119.77*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,988.17	498.74
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,143.94*	
		For Class 55 Rating, Add	*3,191.98*	
		For Class 56 Rating, Add	*4,225.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,349.95	500.54
		For Class 52 Rating, Deduct	*-1,605.07*	
		For Class 54 Rating, Add	*2,197.84*	
		For Class 55 Rating, Add	*3,272.12*	
		For Class 56 Rating, Add	*4,331.81*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,711.72	502.32
		For Class 52 Rating, Deduct	*-1,644.57*	
		For Class 54 Rating, Add	*2,251.73*	
		For Class 55 Rating, Add	*3,352.26*	
		For Class 56 Rating, Add	*4,437.84*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,073.50	504.10
		For Class 52 Rating, Deduct	*-1,684.07*	
		For Class 54 Rating, Add	*2,305.62*	
		For Class 55 Rating, Add	*3,432.39*	
		For Class 56 Rating, Add	*4,543.86*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,435.26	505.90
		For Class 52 Rating, Deduct	*-1,723.56*	
		For Class 54 Rating, Add	*2,359.51*	
		For Class 55 Rating, Add	*3,512.53*	
		For Class 56 Rating, Add	*4,649.88*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,797.05	507.68
		For Class 52 Rating, Deduct	*-1,763.06*	
		For Class 54 Rating, Add	*2,413.41*	
		For Class 55 Rating, Add	*3,592.67*	
		For Class 56 Rating, Add	*4,755.90*	
40 05 19 00-1385		**24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-1028)*		
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,215.02	521.98
		For Class 52 Rating, Deduct	*-376.65*	
		For Class 54 Rating, Add	*523.11*	
		For Class 55 Rating, Add	*782.56*	
		For Class 56 Rating, Add	*1,038.59*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,662.66	523.78
		For Class 52 Rating, Deduct	*-425.60*	
		For Class 54 Rating, Add	*589.88*	
		For Class 55 Rating, Add	*881.85*	
		For Class 56 Rating, Add	*1,169.94*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,110.28	525.56
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*656.65*	
		For Class 55 Rating, Add	*981.13*	
		For Class 56 Rating, Add	*1,301.29*	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,557.92	527.34
		For Class 52 Rating, Deduct	*-523.48*	
		For Class 54 Rating, Add	*723.42*	
		For Class 55 Rating, Add	*1,080.41*	
		For Class 56 Rating, Add	*1,432.64*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,005.56	529.13
		For Class 52 Rating, Deduct	*-572.42*	
		For Class 54 Rating, Add	*790.20*	
		For Class 55 Rating, Add	*1,179.70*	
		For Class 56 Rating, Add	*1,563.99*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,453.20	530.92
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*856.97*	
		For Class 55 Rating, Add	*1,278.98*	
		For Class 56 Rating, Add	*1,695.35*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,900.83	532.71
		For Class 52 Rating, Deduct	*-670.31*	
		For Class 54 Rating, Add	*923.74*	
		For Class 55 Rating, Add	*1,378.27*	
		For Class 56 Rating, Add	*1,826.70*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,348.46	534.49
		For Class 52 Rating, Deduct	*-719.25*	
		For Class 54 Rating, Add	*990.51*	
		For Class 55 Rating, Add	*1,477.55*	
		For Class 56 Rating, Add	*1,958.05*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,796.11	536.29
		For Class 52 Rating, Deduct	*-768.19*	
		For Class 54 Rating, Add	*1,057.28*	
		For Class 55 Rating, Add	*1,576.83*	
		For Class 56 Rating, Add	*2,089.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,243.74	538.07
		For Class 52 Rating, Deduct	*-817.13*	
		For Class 54 Rating, Add	*1,124.06*	
		For Class 55 Rating, Add	*1,676.12*	
		For Class 56 Rating, Add	*2,220.75*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,691.38	539.86
		For Class 52 Rating, Deduct	*-866.08*	
		For Class 54 Rating, Add	*1,190.83*	
		For Class 55 Rating, Add	*1,775.40*	
		For Class 56 Rating, Add	*2,352.10*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,139.02	541.64
		For Class 52 Rating, Deduct	*-915.02*	
		For Class 54 Rating, Add	*1,257.60*	
		For Class 55 Rating, Add	*1,874.69*	
		For Class 56 Rating, Add	*2,483.45*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,586.66	543.44
		For Class 52 Rating, Deduct	*-963.96*	
		For Class 54 Rating, Add	*1,324.37*	
		For Class 55 Rating, Add	*1,973.97*	
		For Class 56 Rating, Add	*2,614.81*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,034.28	545.22
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,391.14*	
		For Class 55 Rating, Add	*2,073.25*	
		For Class 56 Rating, Add	*2,746.16*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,481.92	547.01
		For Class 52 Rating, Deduct	*-1,061.84*	
		For Class 54 Rating, Add	*1,457.91*	
		For Class 55 Rating, Add	*2,172.54*	
		For Class 56 Rating, Add	*2,877.51*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,929.56	548.80
		For Class 52 Rating, Deduct	*-1,110.79*	
		For Class 54 Rating, Add	*1,524.69*	
		For Class 55 Rating, Add	*2,271.82*	
		For Class 56 Rating, Add	*3,008.86*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,377.21	550.59
		For Class 52 Rating, Deduct	*-1,159.73*	
		For Class 54 Rating, Add	*1,591.46*	
		For Class 55 Rating, Add	*2,371.11*	
		For Class 56 Rating, Add	*3,140.21*	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,824.84	552.37
		For Class 52 Rating, Deduct	*-1,208.67*	
		For Class 54 Rating, Add	*1,658.23*	
		For Class 55 Rating, Add	*2,470.39*	
		For Class 56 Rating, Add	*3,271.56*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,272.48	554.16
		For Class 52 Rating, Deduct	*-1,257.61*	
		For Class 54 Rating, Add	*1,725.00*	
		For Class 55 Rating, Add	*2,569.67*	
		For Class 56 Rating, Add	*3,402.91*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,720.11	555.95
		For Class 52 Rating, Deduct	*-1,306.55*	
		For Class 54 Rating, Add	*1,791.77*	
		For Class 55 Rating, Add	*2,668.96*	
		For Class 56 Rating, Add	*3,534.26*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,167.74	557.74
		For Class 52 Rating, Deduct	*-1,355.50*	
		For Class 54 Rating, Add	*1,858.54*	
		For Class 55 Rating, Add	*2,768.24*	
		For Class 56 Rating, Add	*3,665.62*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,615.38	559.52
		For Class 52 Rating, Deduct	*-1,404.44*	
		For Class 54 Rating, Add	*1,925.32*	
		For Class 55 Rating, Add	*2,867.53*	
		For Class 56 Rating, Add	*3,796.97*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,063.02	561.31
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,992.09*	
		For Class 55 Rating, Add	*2,966.81*	
		For Class 56 Rating, Add	*3,928.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,510.66	563.10
		For Class 52 Rating, Deduct	*-1,502.32*	
		For Class 54 Rating, Add	*2,058.86*	
		For Class 55 Rating, Add	*3,066.09*	
		For Class 56 Rating, Add	*4,059.67*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,958.30	564.89
		For Class 52 Rating, Deduct	*-1,551.27*	
		For Class 54 Rating, Add	*2,125.63*	
		For Class 55 Rating, Add	*3,165.38*	
		For Class 56 Rating, Add	*4,191.02*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,405.93	566.68
		For Class 52 Rating, Deduct	*-1,600.21*	
		For Class 54 Rating, Add	*2,192.40*	
		For Class 55 Rating, Add	*3,264.66*	
		For Class 56 Rating, Add	*4,322.37*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,853.57	568.46
		For Class 52 Rating, Deduct	*-1,649.15*	
		For Class 54 Rating, Add	*2,259.17*	
		For Class 55 Rating, Add	*3,363.95*	
		For Class 56 Rating, Add	*4,453.72*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,301.20	570.26
		For Class 52 Rating, Deduct	*-1,698.09*	
		For Class 54 Rating, Add	*2,325.95*	
		For Class 55 Rating, Add	*3,463.23*	
		For Class 56 Rating, Add	*4,585.08*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,748.84	572.03
		For Class 52 Rating, Deduct	*-1,747.03*	
		For Class 54 Rating, Add	*2,392.72*	
		For Class 55 Rating, Add	*3,562.51*	
		For Class 56 Rating, Add	*4,716.43*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,242.52	604.21
		For Class 52 Rating, Deduct	*-1,795.98*	
		For Class 54 Rating, Add	*2,460.04*	
		For Class 55 Rating, Add	*3,662.90*	
		For Class 56 Rating, Add	*4,849.44*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,690.16	606.00
		For Class 52 Rating, Deduct	*-1,844.92*	
		For Class 54 Rating, Add	*2,526.82*	
		For Class 55 Rating, Add	*3,762.19*	
		For Class 56 Rating, Add	*4,980.79*	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,137.80	607.79
		For Class 52 Rating, Deduct	*-1,893.86*	
		For Class 54 Rating, Add	*2,593.59*	
		For Class 55 Rating, Add	*3,861.47*	
		For Class 56 Rating, Add	*5,112.14*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,585.43	609.58
		For Class 52 Rating, Deduct	*-1,942.80*	
		For Class 54 Rating, Add	*2,660.36*	
		For Class 55 Rating, Add	*3,960.75*	
		For Class 56 Rating, Add	*5,243.49*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,033.07	611.36
		For Class 52 Rating, Deduct	*-1,991.74*	
		For Class 54 Rating, Add	*2,727.13*	
		For Class 55 Rating, Add	*4,060.04*	
		For Class 56 Rating, Add	*5,374.84*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,480.71	613.16
		For Class 52 Rating, Deduct	*-2,040.69*	
		For Class 54 Rating, Add	*2,793.90*	
		For Class 55 Rating, Add	*4,159.32*	
		For Class 56 Rating, Add	*5,506.19*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,928.35	614.94
		For Class 52 Rating, Deduct	*-2,089.63*	
		For Class 54 Rating, Add	*2,860.67*	
		For Class 55 Rating, Add	*4,258.61*	
		For Class 56 Rating, Add	*5,637.55*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,375.98	616.73
		For Class 52 Rating, Deduct	*-2,138.57*	
		For Class 54 Rating, Add	*2,927.45*	
		For Class 55 Rating, Add	*4,357.89*	
		For Class 56 Rating, Add	*5,768.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,823.61	618.51
		For Class 52 Rating, Deduct	*-2,187.51*	
		For Class 54 Rating, Add	*2,994.22*	
		For Class 55 Rating, Add	*4,457.17*	
		For Class 56 Rating, Add	*5,900.25*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,527.90	736.50
		For Class 52 Rating, Deduct	*-595.32*	
		For Class 54 Rating, Add	*825.19*	
		For Class 55 Rating, Add	*1,233.66*	
		For Class 56 Rating, Add	*1,636.71*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,173.29	738.28
		For Class 52 Rating, Deduct	*-666.01*	
		For Class 54 Rating, Add	*921.62*	
		For Class 55 Rating, Add	*1,377.04*	
		For Class 56 Rating, Add	*1,826.40*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,818.66	740.08
		For Class 52 Rating, Deduct	*-736.71*	
		For Class 54 Rating, Add	*1,018.06*	
		For Class 55 Rating, Add	*1,520.42*	
		For Class 56 Rating, Add	*2,016.08*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,464.05	741.86
		For Class 52 Rating, Deduct	*-807.40*	
		For Class 54 Rating, Add	*1,114.49*	
		For Class 55 Rating, Add	*1,663.80*	
		For Class 56 Rating, Add	*2,205.77*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,109.43	743.66
		For Class 52 Rating, Deduct	*-878.10*	
		For Class 54 Rating, Add	*1,210.92*	
		For Class 55 Rating, Add	*1,807.18*	
		For Class 56 Rating, Add	*2,395.46*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,754.81	745.43
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,307.36*	
		For Class 55 Rating, Add	*1,950.56*	
		For Class 56 Rating, Add	*2,585.14*	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,400.19	747.22
		For Class 52 Rating, Deduct	*-1,019.48*	
		For Class 54 Rating, Add	*1,403.79*	
		For Class 55 Rating, Add	*2,093.94*	
		For Class 56 Rating, Add	*2,774.83*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,045.57	749.01
		For Class 52 Rating, Deduct	*-1,090.18*	
		For Class 54 Rating, Add	*1,500.22*	
		For Class 55 Rating, Add	*2,237.32*	
		For Class 56 Rating, Add	*2,964.51*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,690.97	750.79
		For Class 52 Rating, Deduct	*-1,160.87*	
		For Class 54 Rating, Add	*1,596.66*	
		For Class 55 Rating, Add	*2,380.71*	
		For Class 56 Rating, Add	*3,154.20*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,336.34	752.59
		For Class 52 Rating, Deduct	*-1,231.57*	
		For Class 54 Rating, Add	*1,693.09*	
		For Class 55 Rating, Add	*2,524.09*	
		For Class 56 Rating, Add	*3,343.89*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,981.73	754.37
		For Class 52 Rating, Deduct	*-1,302.26*	
		For Class 54 Rating, Add	*1,789.53*	
		For Class 55 Rating, Add	*2,667.47*	
		For Class 56 Rating, Add	*3,533.58*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,627.11	756.17
		For Class 52 Rating, Deduct	*-1,372.96*	
		For Class 54 Rating, Add	*1,885.96*	
		For Class 55 Rating, Add	*2,810.85*	
		For Class 56 Rating, Add	*3,723.26*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,272.49	757.95
		For Class 52 Rating, Deduct	*-1,443.65*	
		For Class 54 Rating, Add	*1,982.39*	
		For Class 55 Rating, Add	*2,954.23*	
		For Class 56 Rating, Add	*3,912.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,917.87	759.74
		For Class 52 Rating, Deduct	*-1,514.34*	
		For Class 54 Rating, Add	*2,078.83*	
		For Class 55 Rating, Add	*3,097.61*	
		For Class 56 Rating, Add	*4,102.63*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,563.25	761.53
		For Class 52 Rating, Deduct	*-1,585.04*	
		For Class 54 Rating, Add	*2,175.26*	
		For Class 55 Rating, Add	*3,240.99*	
		For Class 56 Rating, Add	*4,292.32*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,208.64	763.30
		For Class 52 Rating, Deduct	*-1,655.73*	
		For Class 54 Rating, Add	*2,271.69*	
		For Class 55 Rating, Add	*3,384.38*	
		For Class 56 Rating, Add	*4,482.01*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,854.03	765.10
		For Class 52 Rating, Deduct	*-1,726.43*	
		For Class 54 Rating, Add	*2,368.13*	
		For Class 55 Rating, Add	*3,527.76*	
		For Class 56 Rating, Add	*4,671.69*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,499.41	766.88
		For Class 52 Rating, Deduct	*-1,797.12*	
		For Class 54 Rating, Add	*2,464.56*	
		For Class 55 Rating, Add	*3,671.14*	
		For Class 56 Rating, Add	*4,861.38*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,144.79	768.68
		For Class 52 Rating, Deduct	*-1,867.81*	
		For Class 54 Rating, Add	*2,561.00*	
		For Class 55 Rating, Add	*3,814.52*	
		For Class 56 Rating, Add	*5,051.07*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,790.17	770.46
		For Class 52 Rating, Deduct	*-1,938.51*	
		For Class 54 Rating, Add	*2,657.43*	
		For Class 55 Rating, Add	*3,957.90*	
		For Class 56 Rating, Add	*5,240.75*	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,435.55	772.25
		For Class 52 Rating, Deduct	*-2,009.20*	
		For Class 54 Rating, Add	*2,753.86*	
		For Class 55 Rating, Add	*4,101.28*	
		For Class 56 Rating, Add	*5,430.44*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,080.93	774.04
		For Class 52 Rating, Deduct	*-2,079.90*	
		For Class 54 Rating, Add	*2,850.30*	
		For Class 55 Rating, Add	*4,244.66*	
		For Class 56 Rating, Add	*5,620.12*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,726.32	775.82
		For Class 52 Rating, Deduct	*-2,150.59*	
		For Class 54 Rating, Add	*2,946.73*	
		For Class 55 Rating, Add	*4,388.05*	
		For Class 56 Rating, Add	*5,809.81*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,371.70	777.61
		For Class 52 Rating, Deduct	*-2,221.29*	
		For Class 54 Rating, Add	*3,043.16*	
		For Class 55 Rating, Add	*4,531.43*	
		For Class 56 Rating, Add	*5,999.50*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,017.09	779.40
		For Class 52 Rating, Deduct	*-2,291.98*	
		For Class 54 Rating, Add	*3,139.60*	
		For Class 55 Rating, Add	*4,674.81*	
		For Class 56 Rating, Add	*6,189.19*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,662.47	781.19
		For Class 52 Rating, Deduct	*-2,362.67*	
		For Class 54 Rating, Add	*3,236.03*	
		For Class 55 Rating, Add	*4,818.19*	
		For Class 56 Rating, Add	*6,378.87*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,307.85	782.98
		For Class 52 Rating, Deduct	*-2,433.37*	
		For Class 54 Rating, Add	*3,332.46*	
		For Class 55 Rating, Add	*4,961.57*	
		For Class 56 Rating, Add	*6,568.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,953.24	784.76
		For Class 52 Rating, Deduct	*-2,504.06*	
		For Class 54 Rating, Add	*3,428.90*	
		For Class 55 Rating, Add	*5,104.95*	
		For Class 56 Rating, Add	*6,758.24*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,598.61	786.56
		For Class 52 Rating, Deduct	*-2,574.76*	
		For Class 54 Rating, Add	*3,525.33*	
		For Class 55 Rating, Add	*5,248.33*	
		For Class 56 Rating, Add	*6,947.93*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,244.00	788.34
		For Class 52 Rating, Deduct	*-2,645.45*	
		For Class 54 Rating, Add	*3,621.77*	
		For Class 55 Rating, Add	*5,391.72*	
		For Class 56 Rating, Add	*7,137.62*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,889.38	790.12
		For Class 52 Rating, Deduct	*-2,716.14*	
		For Class 54 Rating, Add	*3,718.20*	
		For Class 55 Rating, Add	*5,535.10*	
		For Class 56 Rating, Add	*7,327.30*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,534.76	791.91
		For Class 52 Rating, Deduct	*-2,786.84*	
		For Class 54 Rating, Add	*3,814.63*	
		For Class 55 Rating, Add	*5,678.48*	
		For Class 56 Rating, Add	*7,516.99*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,180.15	793.70
		For Class 52 Rating, Deduct	*-2,857.53*	
		For Class 54 Rating, Add	*3,911.07*	
		For Class 55 Rating, Add	*5,821.86*	
		For Class 56 Rating, Add	*7,706.68*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,825.53	795.49
		For Class 52 Rating, Deduct	*-2,928.23*	
		For Class 54 Rating, Add	*4,007.50*	
		For Class 55 Rating, Add	*5,965.24*	
		For Class 56 Rating, Add	*7,896.36*	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,470.92	797.27
		For Class 52 Rating, Deduct	*-2,998.92*	
		For Class 54 Rating, Add	*4,103.93*	
		For Class 55 Rating, Add	*6,108.62*	
		For Class 56 Rating, Add	*8,086.05*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,116.29	799.07
		For Class 52 Rating, Deduct	*-3,069.61*	
		For Class 54 Rating, Add	*4,200.37*	
		For Class 55 Rating, Add	*6,252.00*	
		For Class 56 Rating, Add	*8,275.73*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,761.68	800.85
		For Class 52 Rating, Deduct	*-3,140.31*	
		For Class 54 Rating, Add	*4,296.80*	
		For Class 55 Rating, Add	*6,395.39*	
		For Class 56 Rating, Add	*8,465.42*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,407.06	802.64
		For Class 52 Rating, Deduct	*-3,211.00*	
		For Class 54 Rating, Add	*4,393.23*	
		For Class 55 Rating, Add	*6,538.77*	
		For Class 56 Rating, Add	*8,655.11*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,120.73	933.14
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,173.00*	
		For Class 55 Rating, Add	*1,752.57*	
		For Class 56 Rating, Add	*2,324.43*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,997.68	934.93
		For Class 52 Rating, Deduct	*-943.92*	
		For Class 54 Rating, Add	*1,304.17*	
		For Class 55 Rating, Add	*1,947.59*	
		For Class 56 Rating, Add	*2,582.43*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,874.64	936.70
		For Class 52 Rating, Deduct	*-1,040.09*	
		For Class 54 Rating, Add	*1,435.34*	
		For Class 55 Rating, Add	*2,142.61*	
		For Class 56 Rating, Add	*2,840.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,751.59	938.50
		For Class 52 Rating, Deduct	*-1,136.26*	
		For Class 54 Rating, Add	*1,566.51*	
		For Class 55 Rating, Add	*2,337.63*	
		For Class 56 Rating, Add	*3,098.43*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,628.55	940.28
		For Class 52 Rating, Deduct	*-1,232.43*	
		For Class 54 Rating, Add	*1,697.68*	
		For Class 55 Rating, Add	*2,532.66*	
		For Class 56 Rating, Add	*3,356.43*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,505.49	942.07
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,828.85*	
		For Class 55 Rating, Add	*2,727.68*	
		For Class 56 Rating, Add	*3,614.43*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,382.45	943.86
		For Class 52 Rating, Deduct	*-1,424.76*	
		For Class 54 Rating, Add	*1,960.02*	
		For Class 55 Rating, Add	*2,922.70*	
		For Class 56 Rating, Add	*3,872.43*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,259.40	945.65
		For Class 52 Rating, Deduct	*-1,520.93*	
		For Class 54 Rating, Add	*2,091.18*	
		For Class 55 Rating, Add	*3,117.72*	
		For Class 56 Rating, Add	*4,130.43*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,136.36	947.44
		For Class 52 Rating, Deduct	*-1,617.09*	
		For Class 54 Rating, Add	*2,222.35*	
		For Class 55 Rating, Add	*3,312.74*	
		For Class 56 Rating, Add	*4,388.43*	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,013.30	949.23
		For Class 52 Rating, Deduct	*-1,713.26*	
		For Class 54 Rating, Add	*2,353.52*	
		For Class 55 Rating, Add	*3,507.76*	
		For Class 56 Rating, Add	*4,646.43*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,890.27	951.01
		For Class 52 Rating, Deduct	*-1,809.43*	
		For Class 54 Rating, Add	*2,484.69*	
		For Class 55 Rating, Add	*3,702.79*	
		For Class 56 Rating, Add	*4,904.43*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,767.22	952.80
		For Class 52 Rating, Deduct	*-1,905.59*	
		For Class 54 Rating, Add	*2,615.86*	
		For Class 55 Rating, Add	*3,897.81*	
		For Class 56 Rating, Add	*5,162.43*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,644.18	954.58
		For Class 52 Rating, Deduct	*-2,001.76*	
		For Class 54 Rating, Add	*2,747.03*	
		For Class 55 Rating, Add	*4,092.83*	
		For Class 56 Rating, Add	*5,420.43*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,521.12	956.37
		For Class 52 Rating, Deduct	*-2,097.93*	
		For Class 54 Rating, Add	*2,878.20*	
		For Class 55 Rating, Add	*4,287.85*	
		For Class 56 Rating, Add	*5,678.43*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,398.08	958.16
		For Class 52 Rating, Deduct	*-2,194.10*	
		For Class 54 Rating, Add	*3,009.37*	
		For Class 55 Rating, Add	*4,482.87*	
		For Class 56 Rating, Add	*5,936.43*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,275.03	959.95
		For Class 52 Rating, Deduct	*-2,290.26*	
		For Class 54 Rating, Add	*3,140.54*	
		For Class 55 Rating, Add	*4,677.89*	
		For Class 56 Rating, Add	*6,194.43*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,151.98	961.74
		For Class 52 Rating, Deduct	*-2,386.43*	
		For Class 54 Rating, Add	*3,271.71*	
		For Class 55 Rating, Add	*4,872.91*	
		For Class 56 Rating, Add	*6,452.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,028.93	963.52
		For Class 52 Rating, Deduct	*-2,482.60*	
		For Class 54 Rating, Add	*3,402.88*	
		For Class 55 Rating, Add	*5,067.94*	
		For Class 56 Rating, Add	*6,710.43*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,905.90	965.32
		For Class 52 Rating, Deduct	*-2,578.76*	
		For Class 54 Rating, Add	*3,534.05*	
		For Class 55 Rating, Add	*5,262.96*	
		For Class 56 Rating, Add	*6,968.43*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,782.85	967.10
		For Class 52 Rating, Deduct	*-2,674.93*	
		For Class 54 Rating, Add	*3,665.21*	
		For Class 55 Rating, Add	*5,457.98*	
		For Class 56 Rating, Add	*7,226.43*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,659.80	968.89
		For Class 52 Rating, Deduct	*-2,771.10*	
		For Class 54 Rating, Add	*3,796.38*	
		For Class 55 Rating, Add	*5,653.00*	
		For Class 56 Rating, Add	*7,484.43*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,536.75	970.67
		For Class 52 Rating, Deduct	*-2,867.26*	
		For Class 54 Rating, Add	*3,927.55*	
		For Class 55 Rating, Add	*5,848.02*	
		For Class 56 Rating, Add	*7,742.42*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,413.71	972.47
		For Class 52 Rating, Deduct	*-2,963.43*	
		For Class 54 Rating, Add	*4,058.72*	
		For Class 55 Rating, Add	*6,043.04*	
		For Class 56 Rating, Add	*8,000.43*	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,290.65	974.25
		For Class 52 Rating, Deduct	*-3,059.60*	
		For Class 54 Rating, Add	*4,189.89*	
		For Class 55 Rating, Add	*6,238.07*	
		For Class 56 Rating, Add	*8,258.42*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,167.61	976.04
		For Class 52 Rating, Deduct	*-3,155.76*	
		For Class 54 Rating, Add	*4,321.06*	
		For Class 55 Rating, Add	*6,433.09*	
		For Class 56 Rating, Add	*8,516.43*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,044.58	977.83
		For Class 52 Rating, Deduct	*-3,251.93*	
		For Class 54 Rating, Add	*4,452.23*	
		For Class 55 Rating, Add	*6,628.11*	
		For Class 56 Rating, Add	*8,774.43*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,921.53	979.62
		For Class 52 Rating, Deduct	*-3,348.10*	
		For Class 54 Rating, Add	*4,583.40*	
		For Class 55 Rating, Add	*6,823.13*	
		For Class 56 Rating, Add	*9,032.43*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,798.48	981.40
		For Class 52 Rating, Deduct	*-3,444.27*	
		For Class 54 Rating, Add	*4,714.57*	
		For Class 55 Rating, Add	*7,018.15*	
		For Class 56 Rating, Add	*9,290.43*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,675.43	983.18
		For Class 52 Rating, Deduct	*-3,540.43*	
		For Class 54 Rating, Add	*4,845.74*	
		For Class 55 Rating, Add	*7,213.17*	
		For Class 56 Rating, Add	*9,548.42*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,552.39	984.98
		For Class 52 Rating, Deduct	*-3,636.60*	
		For Class 54 Rating, Add	*4,976.91*	
		For Class 55 Rating, Add	*7,408.20*	
		For Class 56 Rating, Add	*9,806.43*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,429.34	986.76
		For Class 52 Rating, Deduct	*-3,732.77*	
		For Class 54 Rating, Add	*5,108.08*	
		For Class 55 Rating, Add	*7,603.22*	
		For Class 56 Rating, Add	*10,064.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,306.29	988.55
		For Class 52 Rating, Deduct	*-3,828.93*	
		For Class 54 Rating, Add	*5,239.25*	
		For Class 55 Rating, Add	*7,798.24*	
		For Class 56 Rating, Add	*10,322.43*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,183.24	990.34
		For Class 52 Rating, Deduct	*-3,925.10*	
		For Class 54 Rating, Add	*5,370.42*	
		For Class 55 Rating, Add	*7,993.26*	
		For Class 56 Rating, Add	*10,580.42*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,060.20	992.13
		For Class 52 Rating, Deduct	*-4,021.27*	
		For Class 54 Rating, Add	*5,501.59*	
		For Class 55 Rating, Add	*8,188.28*	
		For Class 56 Rating, Add	*10,838.43*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,937.15	993.91
		For Class 52 Rating, Deduct	*-4,117.43*	
		For Class 54 Rating, Add	*5,632.75*	
		For Class 55 Rating, Add	*8,383.30*	
		For Class 56 Rating, Add	*11,096.42*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,814.11	995.70
		For Class 52 Rating, Deduct	*-4,213.60*	
		For Class 54 Rating, Add	*5,763.92*	
		For Class 55 Rating, Add	*8,578.33*	
		For Class 56 Rating, Add	*11,354.42*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,691.06	997.49
		For Class 52 Rating, Deduct	*-4,309.77*	
		For Class 54 Rating, Add	*5,895.09*	
		For Class 55 Rating, Add	*8,773.35*	
		For Class 56 Rating, Add	*11,612.42*	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,568.02	999.28
		For Class 52 Rating, Deduct	*-4,405.94*	
		For Class 54 Rating, Add	*6,026.26*	
		For Class 55 Rating, Add	*8,968.37*	
		For Class 56 Rating, Add	*11,870.42*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,114.41	1,176.25
		For Class 52 Rating, Deduct	*-1,136.54*	
		For Class 54 Rating, Add	*1,571.22*	
		For Class 55 Rating, Add	*2,346.86*	
		For Class 56 Rating, Add	*3,112.16*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,423.30	1,178.04
		For Class 52 Rating, Deduct	*-1,280.22*	
		For Class 54 Rating, Add	*1,767.18*	
		For Class 55 Rating, Add	*2,638.20*	
		For Class 56 Rating, Add	*3,497.58*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,716.56	1,179.82
		For Class 52 Rating, Deduct	*-1,422.18*	
		For Class 54 Rating, Add	*1,960.79*	
		For Class 55 Rating, Add	*2,926.06*	
		For Class 56 Rating, Add	*3,878.39*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,022.83	1,181.62
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,156.36*	
		For Class 55 Rating, Add	*3,216.82*	
		For Class 56 Rating, Add	*4,263.04*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,316.08	1,183.40
		For Class 52 Rating, Deduct	*-1,707.54*	
		For Class 54 Rating, Add	*2,349.97*	
		For Class 55 Rating, Add	*3,504.67*	
		For Class 56 Rating, Add	*4,643.85*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,624.96	1,185.19
		For Class 52 Rating, Deduct	*-1,851.21*	
		For Class 54 Rating, Add	*2,545.93*	
		For Class 55 Rating, Add	*3,796.01*	
		For Class 56 Rating, Add	*5,029.27*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,915.62	1,186.97
		For Class 52 Rating, Deduct	*-1,992.89*	
		For Class 54 Rating, Add	*2,739.16*	
		For Class 55 Rating, Add	*4,083.29*	
		For Class 56 Rating, Add	*5,409.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,224.49	1,188.77
		For Class 52 Rating, Deduct	*-2,136.57*	
		For Class 54 Rating, Add	*2,935.11*	
		For Class 55 Rating, Add	*4,374.63*	
		For Class 56 Rating, Add	*5,794.72*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,517.75	1,190.55
		For Class 52 Rating, Deduct	*-2,278.53*	
		For Class 54 Rating, Add	*3,128.73*	
		For Class 55 Rating, Add	*4,662.49*	
		For Class 56 Rating, Add	*6,175.54*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,824.03	1,192.34
		For Class 52 Rating, Deduct	*-2,421.92*	
		For Class 54 Rating, Add	*3,324.30*	
		For Class 55 Rating, Add	*4,953.25*	
		For Class 56 Rating, Add	*6,560.18*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,117.29	1,194.13
		For Class 52 Rating, Deduct	*-2,563.88*	
		For Class 54 Rating, Add	*3,517.91*	
		For Class 55 Rating, Add	*5,241.11*	
		For Class 56 Rating, Add	*6,940.99*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,423.55	1,195.92
		For Class 52 Rating, Deduct	*-2,707.27*	
		For Class 54 Rating, Add	*3,713.48*	
		For Class 55 Rating, Add	*5,531.87*	
		For Class 56 Rating, Add	*7,325.64*	
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,716.81	1,197.70
		For Class 52 Rating, Deduct	*-2,849.23*	
		For Class 54 Rating, Add	*3,907.09*	
		For Class 55 Rating, Add	*5,819.72*	
		For Class 56 Rating, Add	*7,706.45*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,012.68	1,199.48
		For Class 52 Rating, Deduct	*-2,991.48*	
		For Class 54 Rating, Add	*4,101.10*	
		For Class 55 Rating, Add	*6,108.16*	
		For Class 56 Rating, Add	*8,088.03*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,316.35	1,201.28
		For Class 52 Rating, Deduct	*-3,134.59*	
		For Class 54 Rating, Add	*4,296.28*	
		For Class 55 Rating, Add	*6,398.34*	
		For Class 56 Rating, Add	*8,471.91*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,609.60	1,203.06
		For Class 52 Rating, Deduct	*-3,276.55*	
		For Class 54 Rating, Add	*4,489.89*	
		For Class 55 Rating, Add	*6,686.20*	
		For Class 56 Rating, Add	*8,852.72*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,918.47	1,204.85
		For Class 52 Rating, Deduct	*-3,420.22*	
		For Class 54 Rating, Add	*4,685.85*	
		For Class 55 Rating, Add	*6,977.54*	
		For Class 56 Rating, Add	*9,238.14*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,211.75	1,206.64
		For Class 52 Rating, Deduct	*-3,562.19*	
		For Class 54 Rating, Add	*4,879.46*	
		For Class 55 Rating, Add	*7,265.40*	
		For Class 56 Rating, Add	*9,618.95*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,518.02	1,208.43
		For Class 52 Rating, Deduct	*-3,705.58*	
		For Class 54 Rating, Add	*5,075.03*	
		For Class 55 Rating, Add	*7,556.16*	
		For Class 56 Rating, Add	*10,003.60*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,811.27	1,210.21
		For Class 52 Rating, Deduct	*-3,847.54*	
		For Class 54 Rating, Add	*5,268.65*	
		For Class 55 Rating, Add	*7,844.01*	
		For Class 56 Rating, Add	*10,384.41*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,120.14	1,212.01
		For Class 52 Rating, Deduct	*-3,991.21*	
		For Class 54 Rating, Add	*5,464.60*	
		For Class 55 Rating, Add	*8,135.35*	
		For Class 56 Rating, Add	*10,769.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,413.41	1,213.79
		For Class 52 Rating, Deduct	*-4,133.18*	
		For Class 54 Rating, Add	*5,658.22*	
		For Class 55 Rating, Add	*8,423.21*	
		For Class 56 Rating, Add	*11,150.63*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,719.67	1,215.59
		For Class 52 Rating, Deduct	*-4,276.57*	
		For Class 54 Rating, Add	*5,853.78*	
		For Class 55 Rating, Add	*8,713.97*	
		For Class 56 Rating, Add	*11,535.28*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,012.93	1,217.36
		For Class 52 Rating, Deduct	*-4,418.53*	
		For Class 54 Rating, Add	*6,047.40*	
		For Class 55 Rating, Add	*9,001.83*	
		For Class 56 Rating, Add	*11,916.09*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,321.80	1,219.16
		For Class 52 Rating, Deduct	*-4,562.21*	
		For Class 54 Rating, Add	*6,243.36*	
		For Class 55 Rating, Add	*9,293.17*	
		For Class 56 Rating, Add	*12,301.51*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,615.08	1,220.94
		For Class 52 Rating, Deduct	*-4,704.17*	
		For Class 54 Rating, Add	*6,436.97*	
		For Class 55 Rating, Add	*9,581.03*	
		For Class 56 Rating, Add	*12,682.32*	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,918.74	1,222.72
		For Class 52 Rating, Deduct	*-4,847.27*	
		For Class 54 Rating, Add	*6,632.15*	
		For Class 55 Rating, Add	*9,871.21*	
		For Class 56 Rating, Add	*13,066.20*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,214.60	1,224.52
		For Class 52 Rating, Deduct	*-4,989.52*	
		For Class 54 Rating, Add	*6,826.15*	
		For Class 55 Rating, Add	*10,159.65*	
		For Class 56 Rating, Add	*13,447.78*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,247.67	1,226.30
		For Class 52 Rating, Deduct	*-5,102.86*	
		For Class 54 Rating, Add	*6,980.74*	
		For Class 55 Rating, Add	*10,389.48*	
		For Class 56 Rating, Add	*13,751.83*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,814.14	1,228.10
		For Class 52 Rating, Deduct	*-5,274.87*	
		For Class 54 Rating, Add	*7,215.34*	
		For Class 55 Rating, Add	*10,738.26*	
		For Class 56 Rating, Add	*14,213.24*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,107.39	1,229.87
		For Class 52 Rating, Deduct	*-5,416.83*	
		For Class 54 Rating, Add	*7,408.95*	
		For Class 55 Rating, Add	*11,026.12*	
		For Class 56 Rating, Add	*14,594.05*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,413.66	1,231.67
		For Class 52 Rating, Deduct	*-5,560.23*	
		For Class 54 Rating, Add	*7,604.52*	
		For Class 55 Rating, Add	*11,316.88*	
		For Class 56 Rating, Add	*14,978.69*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,706.92	1,233.45
		For Class 52 Rating, Deduct	*-5,702.19*	
		For Class 54 Rating, Add	*7,798.13*	
		For Class 55 Rating, Add	*11,604.74*	
		For Class 56 Rating, Add	*15,359.50*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,015.80	1,235.25
		For Class 52 Rating, Deduct	*-5,845.86*	
		For Class 54 Rating, Add	*7,994.09*	
		For Class 55 Rating, Add	*11,896.08*	
		For Class 56 Rating, Add	*15,744.92*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,306.46	1,237.03
		For Class 52 Rating, Deduct	*-5,987.54*	
		For Class 54 Rating, Add	*8,187.32*	
		For Class 55 Rating, Add	*12,183.36*	
		For Class 56 Rating, Add	*16,124.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,615.33	1,238.82
		For Class 52 Rating, Deduct	*-6,131.22*	
		For Class 54 Rating, Add	*8,383.27*	
		For Class 55 Rating, Add	*12,474.70*	
		For Class 56 Rating, Add	*16,510.38*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,908.59	1,240.61
		For Class 52 Rating, Deduct	*-6,273.18*	
		For Class 54 Rating, Add	*8,576.89*	
		For Class 55 Rating, Add	*12,762.55*	
		For Class 56 Rating, Add	*16,891.19*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,214.85	1,242.38
		For Class 52 Rating, Deduct	*-6,416.57*	
		For Class 54 Rating, Add	*8,772.45*	
		For Class 55 Rating, Add	*13,053.31*	
		For Class 56 Rating, Add	*17,275.84*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,676.25	1,478.36
		For Class 52 Rating, Deduct	*-1,477.99*	
		For Class 54 Rating, Add	*2,042.33*	
		For Class 55 Rating, Add	*3,050.06*	
		For Class 56 Rating, Add	*4,044.35*	
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,580.97	1,480.14
		For Class 52 Rating, Deduct	*-1,687.22*	
		For Class 54 Rating, Add	*2,327.66*	
		For Class 55 Rating, Add	*3,474.27*	
		For Class 56 Rating, Add	*4,605.54*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,483.08	1,481.94
		For Class 52 Rating, Deduct	*-1,896.15*	
		For Class 54 Rating, Add	*2,612.60*	
		For Class 55 Rating, Add	*3,897.90*	
		For Class 56 Rating, Add	*5,165.96*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,400.79	1,483.72
		For Class 52 Rating, Deduct	*-2,106.80*	
		For Class 54 Rating, Add	*2,899.89*	
		For Class 55 Rating, Add	*4,325.01*	
		For Class 56 Rating, Add	*5,730.99*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,305.51	1,485.50
		For Class 52 Rating, Deduct	*-2,316.02*	
		For Class 54 Rating, Add	*3,185.22*	
		For Class 55 Rating, Add	*4,749.23*	
		For Class 56 Rating, Add	*6,292.18*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,210.22	1,487.30
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,470.55*	
		For Class 55 Rating, Add	*5,173.44*	
		For Class 56 Rating, Add	*6,853.36*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,125.33	1,489.08
		For Class 52 Rating, Deduct	*-2,735.61*	
		For Class 54 Rating, Add	*3,757.45*	
		For Class 55 Rating, Add	*5,599.97*	
		For Class 56 Rating, Add	*7,417.62*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,032.65	1,490.87
		For Class 52 Rating, Deduct	*-2,945.11*	
		For Class 54 Rating, Add	*4,043.17*	
		For Class 55 Rating, Add	*6,024.76*	
		For Class 56 Rating, Add	*7,979.58*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,934.77	1,492.65
		For Class 52 Rating, Deduct	*-3,154.05*	
		For Class 54 Rating, Add	*4,328.11*	
		For Class 55 Rating, Add	*6,448.39*	
		For Class 56 Rating, Add	*8,540.00*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,852.49	1,494.45
		For Class 52 Rating, Deduct	*-3,364.70*	
		For Class 54 Rating, Add	*4,615.40*	
		For Class 55 Rating, Add	*6,875.51*	
		For Class 56 Rating, Add	*9,105.03*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,757.20	1,496.23
		For Class 52 Rating, Deduct	*-3,573.92*	
		For Class 54 Rating, Add	*4,900.73*	
		For Class 55 Rating, Add	*7,299.72*	
		For Class 56 Rating, Add	*9,666.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,674.92	1,498.02
		For Class 52 Rating, Deduct	*-3,784.57*	
		For Class 54 Rating, Add	*5,188.02*	
		For Class 55 Rating, Add	*7,726.83*	
		For Class 56 Rating, Add	*10,231.24*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,577.03	1,499.81
		For Class 52 Rating, Deduct	*-3,993.50*	
		For Class 54 Rating, Add	*5,472.96*	
		For Class 55 Rating, Add	*8,150.46*	
		For Class 56 Rating, Add	*10,791.66*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,481.74	1,501.60
		For Class 52 Rating, Deduct	*-4,202.72*	
		For Class 54 Rating, Add	*5,758.29*	
		For Class 55 Rating, Add	*8,574.67*	
		For Class 56 Rating, Add	*11,352.85*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,399.46	1,503.39
		For Class 52 Rating, Deduct	*-4,413.38*	
		For Class 54 Rating, Add	*6,045.58*	
		For Class 55 Rating, Add	*9,001.79*	
		For Class 56 Rating, Add	*11,917.88*	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,304.17	1,505.18
		For Class 52 Rating, Deduct	*-4,622.60*	
		For Class 54 Rating, Add	*6,330.91*	
		For Class 55 Rating, Add	*9,426.00*	
		For Class 56 Rating, Add	*12,479.07*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,206.29	1,506.96
		For Class 52 Rating, Deduct	*-4,831.53*	
		For Class 54 Rating, Add	*6,615.85*	
		For Class 55 Rating, Add	*9,849.63*	
		For Class 56 Rating, Add	*13,039.49*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,124.00	1,508.76
		For Class 52 Rating, Deduct	*-5,042.18*	
		For Class 54 Rating, Add	*6,903.13*	
		For Class 55 Rating, Add	*10,276.74*	
		For Class 56 Rating, Add	*13,604.51*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,028.72	1,510.53
		For Class 52 Rating, Deduct	*-5,251.40*	
		For Class 54 Rating, Add	*7,188.47*	
		For Class 55 Rating, Add	*10,700.96*	
		For Class 56 Rating, Add	*14,165.70*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,930.83	1,512.32
		For Class 52 Rating, Deduct	*-5,460.34*	
		For Class 54 Rating, Add	*7,473.41*	
		For Class 55 Rating, Add	*11,124.59*	
		For Class 56 Rating, Add	*14,726.12*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,848.55	1,514.11
		For Class 52 Rating, Deduct	*-5,670.99*	
		For Class 54 Rating, Add	*7,760.70*	
		For Class 55 Rating, Add	*11,551.70*	
		For Class 56 Rating, Add	*15,291.15*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,755.86	1,515.90
		For Class 52 Rating, Deduct	*-5,880.50*	
		For Class 54 Rating, Add	*8,046.42*	
		For Class 55 Rating, Add	*11,976.49*	
		For Class 56 Rating, Add	*15,853.10*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,657.97	1,517.69
		For Class 52 Rating, Deduct	*-6,089.43*	
		For Class 54 Rating, Add	*8,331.36*	
		For Class 55 Rating, Add	*12,400.12*	
		For Class 56 Rating, Add	*16,413.53*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,575.69	1,519.47
		For Class 52 Rating, Deduct	*-6,300.08*	
		For Class 54 Rating, Add	*8,618.65*	
		For Class 55 Rating, Add	*12,827.24*	
		For Class 56 Rating, Add	*16,978.55*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,480.42	1,521.27
		For Class 52 Rating, Deduct	*-6,509.30*	
		For Class 54 Rating, Add	*8,903.98*	
		For Class 55 Rating, Add	*13,251.45*	
		For Class 56 Rating, Add	*17,539.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,382.52	1,523.04
		For Class 52 Rating, Deduct	*-6,718.24*	
		For Class 54 Rating, Add	*9,188.92*	
		For Class 55 Rating, Add	*13,675.08*	
		For Class 56 Rating, Add	*18,100.16*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,300.24	1,524.84
		For Class 52 Rating, Deduct	*-6,928.89*	
		For Class 54 Rating, Add	*9,476.21*	
		For Class 55 Rating, Add	*14,102.19*	
		For Class 56 Rating, Add	*18,665.19*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,204.95	1,526.62
		For Class 52 Rating, Deduct	*-7,138.11*	
		For Class 54 Rating, Add	*9,761.54*	
		For Class 55 Rating, Add	*14,526.40*	
		For Class 56 Rating, Add	*19,226.38*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,875.49	1,528.42
		For Class 52 Rating, Deduct	*-7,321.57*	
		For Class 54 Rating, Add	*10,011.75*	
		For Class 55 Rating, Add	*14,898.40*	
		For Class 56 Rating, Add	*19,718.49*	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,027.38	1,530.20
		For Class 52 Rating, Deduct	*-7,557.98*	
		For Class 54 Rating, Add	*10,334.16*	
		For Class 55 Rating, Add	*15,377.73*	
		For Class 56 Rating, Add	*20,352.59*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,929.49	1,531.98
		For Class 52 Rating, Deduct	*-7,766.91*	
		For Class 54 Rating, Add	*10,619.10*	
		For Class 55 Rating, Add	*15,801.36*	
		For Class 56 Rating, Add	*20,913.01*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,849.82	1,533.78
		For Class 52 Rating, Deduct	*-7,977.85*	
		For Class 54 Rating, Add	*10,906.77*	
		For Class 55 Rating, Add	*16,229.05*	
		For Class 56 Rating, Add	*21,478.81*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,751.93	1,535.55
		For Class 52 Rating, Deduct	*-8,186.79*	
		For Class 54 Rating, Add	*11,191.72*	
		For Class 55 Rating, Add	*16,652.69*	
		For Class 56 Rating, Add	*22,039.23*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,654.04	1,537.35
		For Class 52 Rating, Deduct	*-8,395.72*	
		For Class 54 Rating, Add	*11,476.66*	
		For Class 55 Rating, Add	*17,076.32*	
		For Class 56 Rating, Add	*22,599.65*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,574.37	1,539.13
		For Class 52 Rating, Deduct	*-8,606.66*	
		For Class 54 Rating, Add	*11,764.34*	
		For Class 55 Rating, Add	*17,504.01*	
		For Class 56 Rating, Add	*23,165.44*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,476.48	1,540.93
		For Class 52 Rating, Deduct	*-8,815.59*	
		For Class 54 Rating, Add	*12,049.28*	
		For Class 55 Rating, Add	*17,927.64*	
		For Class 56 Rating, Add	*23,725.86*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,381.18	1,542.71
		For Class 52 Rating, Deduct	*-9,024.81*	
		For Class 54 Rating, Add	*12,334.61*	
		For Class 55 Rating, Add	*18,351.85*	
		For Class 56 Rating, Add	*24,287.05*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,298.90	1,544.50
		For Class 52 Rating, Deduct	*-9,235.46*	
		For Class 54 Rating, Add	*12,621.89*	
		For Class 55 Rating, Add	*18,778.96*	
		For Class 56 Rating, Add	*24,852.08*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	347.60	86.24
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	502.78	110.29
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	741.87	124.92
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,117.15	158.38
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,409.29	175.62
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,793.26	190.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,208.91	235.21
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,932.54	282.25
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,602.34	355.43
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,660.73	402.47
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,707.87	533.15
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,960.01	603.71
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,799.86	689.96
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	31,783.24	846.76

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	323.85	86.24
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	464.78	110.29
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	645.29	124.92
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	977.82	158.38
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,231.95	175.62
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,432.26	190.79
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,809.90	235.21
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,395.78	282.25
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,113.08	355.43
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,185.04	402.47
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,628.02	533.15
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,171.50	603.71
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,409.88	689.96
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,948.35	846.76

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	322.27	86.24
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	452.11	110.29
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	634.20	124.92
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	946.15	158.38
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,301.62	175.62
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,652.34	190.79
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,858.99	235.21
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,455.94	282.25
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,374.34	355.43
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,780.38	402.47
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,734.10	533.15
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,415.34	603.71
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,895.97	689.96
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	28,581.69	846.76

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	361.85	86.24
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	526.53	110.29
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	665.87	124.92
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,058.57	158.38
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,509.04	175.62
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,706.18	190.79
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,083.83	235.21
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,455.94	282.25
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,374.34	355.43
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,994.13	402.47
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,840.19	533.15
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,519.84	603.71
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,006.81	689.96
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,804.94	846.76

40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	482.98	98.27
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	615.98	105.58
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	695.95	117.61
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	973.83	122.31
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,022.14	134.33
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,123.47	141.65
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,047.46	131.20
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,186.02	143.21
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,380.78	150.54
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,463.12	167.26
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,380.78	150.54
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,540.69	157.85
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,718.04	174.58
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,913.59	183.46
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,593.36	172.75
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,726.35	180.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,993.96	196.79
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,187.52	205.42
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,351.00	212.99
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,871.24	196.27
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,276.58	203.59
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,332.01	220.32
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,467.00	228.94
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,690.65	236.52
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,933.31	258.74
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,439.69	232.86
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,613.85	240.18
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,289.97	256.90
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,415.45	265.53
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,791.11	273.10
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,674.34	295.32
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,906.32	318.85
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,517.18	256.38
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,692.94	263.70
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,977.95	280.43
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,187.35	289.05
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,589.93	296.63
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,948.18	318.85
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,048.72	342.36
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,335.90	338.58
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,401.72	354.39
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,832.79	361.96
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,730.96	384.18
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,033.29	407.70
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,477.33	444.29
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,067.15	467.82
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,936.30	389.67
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,702.83	397.25
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,401.03	419.47
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,400.72	442.98
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,795.89	479.57
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,884.46	503.09
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,708.64	568.43
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,106.57	440.37
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,475.44	462.58
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,313.40	486.11
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,968.25	522.69
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,576.60	546.22
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,392.63	611.55
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,229.90	646.83
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,089.86	631.15
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,274.14	696.49
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,055.95	731.77
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,068.17	774.90
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	434.69	86.24
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	697.54	110.29
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,068.04	124.92
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,541.49	158.38
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,234.22	175.62
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,621.36	190.79
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,415.43	235.21
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,241.97	282.25
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,819.05	355.43
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,691.28	402.47
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,507.71	533.15
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,854.43	603.71
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	37,282.17	689.96
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	464.77	86.24
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	638.95	110.29
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,109.21	124.92
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,511.41	158.38
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,074.30	175.62
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,469.36	190.79
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,051.26	235.21
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,849.30	282.25
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,100.20	355.43
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,323.26	402.47
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,155.74	533.15
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,570.07	603.71
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	33,146.43	689.96
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	35,619.72	846.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	605.71	138.51
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	752.19	170.40
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,113.20	190.26
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,628.61	247.23
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,232.69	269.71
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,072.66	290.10
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,437.68	365.89
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,224.63	418.16
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,328.29	527.93
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,074.66	582.80
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	13,960.92	804.95
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,401.30	922.56
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	43,177.22	1,066.30
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	780.68	154.71
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,005.52	157.85
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	981.77	177.72
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,364.96	174.58
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,322.21	194.44
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,391.88	206.99
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,774.26	183.46
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,745.76	203.32
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,842.36	215.87
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,196.26	256.12
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,675.19	190.79
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,589.70	210.65
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,700.53	223.19
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,820.11	263.43
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,993.09	277.29
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,266.19	212.99
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,966.95	232.86
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,900.45	245.40
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,406.35	285.65
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,280.09	299.51
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,682.66	312.31
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,022.26	236.52
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,940.84	256.38
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,588.44	268.93
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,556.00	309.18
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,885.74	323.02
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,261.40	335.83
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,524.66	389.41
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,179.28	273.10
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,421.30	292.97
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,505.22	305.51
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,664.37	345.76
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,846.85	359.62
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,899.51	372.42
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,925.96	426.00
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,034.42	454.74
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,957.95	296.63
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,076.02	316.49
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,308.79	329.04
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,488.52	369.29
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,187.19	383.13
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,336.42	395.94
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,503.09	449.51
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,676.28	478.27
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,955.56	511.07
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,740.52	381.83
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,792.79	394.37
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,064.36	434.62
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,085.34	448.48
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,104.75	461.28
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,290.43	514.86
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,403.65	543.60
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,687.11	616.78
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,123.02	648.14
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,793.23	546.48
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,858.04	556.41
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,936.04	584.90
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,057.57	596.14
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,107.84	606.33
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,234.93	644.22
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,309.36	670.35
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,531.86	725.24
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,888.52	752.68
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,256.57	863.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	27,039.68	472.78
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,351.96	513.02
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,372.95	526.88
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,428.77	539.68
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,584.36	593.26
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,814.76	622.01
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,925.63	695.19
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,270.82	726.54
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,061.93	883.36
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	41,385.98	965.68
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,067.61	611.81
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,087.02	624.62
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,279.03	678.19
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,322.59	706.94
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,580.71	780.12
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,889.49	811.49
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,649.59	968.29

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-0001)*

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	665.88	138.51
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	924.77	170.40
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,410.87	190.26
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,190.70	247.23
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,011.70	269.71
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,376.66	290.10
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,185.02	365.89
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,112.90	418.16
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	6,860.98	527.93
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,072.86	582.80
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,072.22	804.95
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,579.78	922.56

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-0001)*

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	513.88	138.51
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	744.27	170.40
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,136.95	190.26
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,497.19	247.23
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,224.77	269.71
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,952.32	290.10

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-0001)*

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	705.49	190.79
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	979.81	206.73
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,025.35	230.51
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,257.30	210.13
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,361.02	237.83
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,399.04	255.60
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,675.33	226.85
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,839.21	254.55
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,018.15	272.32
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,507.43	336.09
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,233.06	235.47
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,335.20	263.17
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,515.72	280.95
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,035.09	344.72
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,815.40	363.79
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,831.20	270.76
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,010.13	288.53
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,318.91	352.29
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,621.74	371.37
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,799.48	389.41
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,411.12	292.97
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,618.54	310.75
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,927.33	374.51
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,260.25	393.59
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,091.01	411.62
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,778.84	496.56
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,538.58	316.49
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,744.43	334.26
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,993.05	398.04
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,324.39	417.11
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,016.72	435.14
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,419.34	520.08
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,652.89	554.06
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,675.46	353.08
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,897.14	370.85
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,123.60	434.62
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,478.67	453.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,570.91	471.73
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,807.96	556.67
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,054.19	590.64
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,678.09	700.41
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,275.46	376.60
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,430.63	394.37
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,755.25	458.15
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,980.50	477.22
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,106.00	495.25
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,462.69	580.19
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,829.03	614.17
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,355.34	683.56
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,389.52	763.14
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,751.99	542.56
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,814.15	560.59
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,186.68	645.53
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,307.82	679.50
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,858.90	789.27
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,933.69	828.47
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,087.98	1,076.75
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,686.21	690.22
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,709.58	705.64
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,026.68	774.90
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,142.28	806.25
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,595.96	897.73
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,208.35	933.02
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,763.18	1,135.55
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,157.67	1,241.40
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,074.42	620.96
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,101.74	638.99
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,453.69	723.94
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,541.58	757.91
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,043.58	867.67
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,661.89	906.87
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,335.78	1,155.16
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	47,790.85	1,284.52
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,883.79	1,442.64
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,756.83	723.94
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,110.37	808.87
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,198.26	842.85
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,662.24	952.62
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,280.57	991.82
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,662.18	1,240.09

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	380.06	98.27
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	506.73	105.58
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	556.61	117.61
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	703.08	122.31
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	697.55	134.33
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	832.13	141.65
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	925.54	131.20
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	948.51	143.21
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,046.69	150.54
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,179.70	167.26
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,515.36	143.21
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,167.02	150.54
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,300.02	157.85
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,428.29	174.58
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,373.67	183.46
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,803.13	160.73
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,414.44	172.75
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,317.85	180.07
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,473.03	196.79
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,867.68	205.42
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,018.50	212.99
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,289.25	196.27
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,761.98	203.59
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,939.34	220.32
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,915.99	228.94
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,234.64	236.52
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,206.55	258.74
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,308.27	232.86
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,222.76	240.18
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,411.20	256.90
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,334.02	265.53
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,730.26	273.10
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,520.07	295.32
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,157.40	318.85
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,072.26	263.70
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,488.69	280.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,766.17	289.05
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,866.33	296.63
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,360.07	318.85
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,103.46	342.36
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,358.97	338.58
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,028.85	384.18
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,275.08	407.70
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,750.10	444.29
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,484.01	467.82
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,352.85	419.47
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,771.66	442.98
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,316.35	479.57
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,156.33	503.09
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,721.53	568.43
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,384.33	546.22
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,269.35	611.55
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,446.10	646.83
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,347.92	631.15
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,606.61	696.49
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,081.04	731.77
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,903.00	774.90

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	422.81	98.27
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	555.81	105.58
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	634.20	117.61
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	703.08	122.31
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	749.80	134.33
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	881.21	141.65
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	925.54	131.20
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,005.51	143.21
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,106.85	150.54
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,284.20	167.26
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,167.02	150.54
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,269.94	157.85
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,417.21	174.58
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,641.25	183.46
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,414.44	172.75
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,544.27	180.07
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,721.62	196.79
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,916.77	205.42
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,018.50	212.99
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,761.98	203.59
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,939.34	220.32
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,134.49	228.94
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,234.64	236.52
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,450.39	258.74
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,647.11	232.86
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,385.85	240.18
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,411.20	256.90
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,652.27	265.53
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,730.26	273.10
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,988.74	295.32
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,155.81	318.85
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,398.43	263.70
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,488.69	280.43
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,566.67	289.05
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,643.08	296.63
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,906.32	318.85
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,103.46	342.36
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,358.97	338.58
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,323.63	361.96
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,111.87	384.18
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,309.91	407.70
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,750.10	444.29
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,484.01	467.82
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,422.51	419.47
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,771.66	442.98
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,281.51	479.57
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,118.33	503.09
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,686.69	568.43
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,384.33	546.22
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,994.28	611.55
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,446.10	646.83
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,606.61	696.49
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,081.04	731.77
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,903.00	774.90

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	151.23	33.98
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	228.03	50.18
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	345.21	59.59
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	488.50	69.52
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	639.72	81.54
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	863.78	91.47
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,037.15	104.53
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,399.77	146.35
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,871.62	182.94
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,708.45	222.15
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,878.58	258.74
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,122.90	284.87
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,140.01	313.61
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,469.05	352.82

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,102.94	56.39
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,279.45	66.17
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,064.59	82.71
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,758.98	94.54
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,792.83	141.63
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,003.61	154.50
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,808.01	169.95
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,455.91	188.81
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,318.63	212.44
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,484.51	242.76
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	16,773.81	283.25
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	59,647.84	339.91
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	84,771.48	424.89

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,067.44	149.49
		For Class 52 Rating, Deduct	*-92.50*	
		For Class 54 Rating, Add	*128.86*	
		For Class 55 Rating, Add	*192.97*	
		For Class 56 Rating, Add	*256.23*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,191.09	152.11
		For Class 52 Rating, Deduct	*-105.67*	
		For Class 54 Rating, Add	*146.86*	
		For Class 55 Rating, Add	*219.75*	
		For Class 56 Rating, Add	*291.68*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,314.73	154.71
		For Class 52 Rating, Deduct	*-118.83*	
		For Class 54 Rating, Add	*164.86*	
		For Class 55 Rating, Add	*246.54*	
		For Class 56 Rating, Add	*327.13*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,438.39	157.33
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*182.86*	
		For Class 55 Rating, Add	*273.32*	
		For Class 56 Rating, Add	*362.58*	
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,562.02	159.95
		For Class 52 Rating, Deduct	*-145.16*	
		For Class 54 Rating, Add	*200.86*	
		For Class 55 Rating, Add	*300.10*	
		For Class 56 Rating, Add	*398.03*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,685.67	162.56
		For Class 52 Rating, Deduct	*-158.33*	
		For Class 54 Rating, Add	*218.86*	
		For Class 55 Rating, Add	*326.89*	
		For Class 56 Rating, Add	*433.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,809.31	165.17
		For Class 52 Rating, Deduct	*-171.50*	
		For Class 54 Rating, Add	*236.86*	
		For Class 55 Rating, Add	*353.67*	
		For Class 56 Rating, Add	*468.93*	
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,932.96	167.78
		For Class 52 Rating, Deduct	*-184.66*	
		For Class 54 Rating, Add	*254.86*	
		For Class 55 Rating, Add	*380.46*	
		For Class 56 Rating, Add	*504.38*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,056.60	170.40
		For Class 52 Rating, Deduct	*-197.83*	
		For Class 54 Rating, Add	*272.86*	
		For Class 55 Rating, Add	*407.24*	
		For Class 56 Rating, Add	*539.83*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,180.25	173.01
		For Class 52 Rating, Deduct	*-210.99*	
		For Class 54 Rating, Add	*290.86*	
		For Class 55 Rating, Add	*434.03*	
		For Class 56 Rating, Add	*575.28*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,303.89	175.62
		For Class 52 Rating, Deduct	*-224.16*	
		For Class 54 Rating, Add	*308.86*	
		For Class 55 Rating, Add	*460.81*	
		For Class 56 Rating, Add	*610.73*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,427.54	178.24
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*326.86*	
		For Class 55 Rating, Add	*487.60*	
		For Class 56 Rating, Add	*646.18*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,551.18	180.86
		For Class 52 Rating, Deduct	*-250.49*	
		For Class 54 Rating, Add	*344.86*	
		For Class 55 Rating, Add	*514.38*	
		For Class 56 Rating, Add	*681.63*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,674.83	183.46
		For Class 52 Rating, Deduct	*-263.65*	
		For Class 54 Rating, Add	*362.86*	
		For Class 55 Rating, Add	*541.17*	
		For Class 56 Rating, Add	*717.08*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,798.47	186.08
		For Class 52 Rating, Deduct	*-276.82*	
		For Class 54 Rating, Add	*380.86*	
		For Class 55 Rating, Add	*567.95*	
		For Class 56 Rating, Add	*752.53*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,922.12	188.69
		For Class 52 Rating, Deduct	*-289.98*	
		For Class 54 Rating, Add	*398.86*	
		For Class 55 Rating, Add	*594.74*	
		For Class 56 Rating, Add	*787.98*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,045.76	191.31
		For Class 52 Rating, Deduct	*-303.15*	
		For Class 54 Rating, Add	*416.86*	
		For Class 55 Rating, Add	*621.52*	
		For Class 56 Rating, Add	*823.43*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,169.40	193.92
		For Class 52 Rating, Deduct	*-316.31*	
		For Class 54 Rating, Add	*434.86*	
		For Class 55 Rating, Add	*648.31*	
		For Class 56 Rating, Add	*858.87*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,293.04	196.53
		For Class 52 Rating, Deduct	*-329.48*	
		For Class 54 Rating, Add	*452.86*	
		For Class 55 Rating, Add	*675.09*	
		For Class 56 Rating, Add	*894.32*	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,416.68	199.15
		For Class 52 Rating, Deduct	*-342.64*	
		For Class 54 Rating, Add	*470.86*	
		For Class 55 Rating, Add	*701.88*	
		For Class 56 Rating, Add	*929.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,540.33	201.76
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*488.86*	
		For Class 55 Rating, Add	*728.66*	
		For Class 56 Rating, Add	*965.22*	
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,663.97	204.37
		For Class 52 Rating, Deduct	*-368.98*	
		For Class 54 Rating, Add	*506.86*	
		For Class 55 Rating, Add	*755.44*	
		For Class 56 Rating, Add	*1,000.67*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,787.62	206.99
		For Class 52 Rating, Deduct	*-382.14*	
		For Class 54 Rating, Add	*524.86*	
		For Class 55 Rating, Add	*782.23*	
		For Class 56 Rating, Add	*1,036.12*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,911.26	209.60
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*542.86*	
		For Class 55 Rating, Add	*809.01*	
		For Class 56 Rating, Add	*1,071.57*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,034.92	212.21
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*560.87*	
		For Class 55 Rating, Add	*835.80*	
		For Class 56 Rating, Add	*1,107.02*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,158.56	214.83
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*578.87*	
		For Class 55 Rating, Add	*862.58*	
		For Class 56 Rating, Add	*1,142.47*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,282.21	217.44
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*596.87*	
		For Class 55 Rating, Add	*889.37*	
		For Class 56 Rating, Add	*1,177.92*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,405.85	220.06
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*614.87*	
		For Class 55 Rating, Add	*916.15*	
		For Class 56 Rating, Add	*1,213.37*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,529.50	222.66
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*632.87*	
		For Class 55 Rating, Add	*942.94*	
		For Class 56 Rating, Add	*1,248.82*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,653.14	225.28
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*650.87*	
		For Class 55 Rating, Add	*969.72*	
		For Class 56 Rating, Add	*1,284.27*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,776.79	227.90
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*668.87*	
		For Class 55 Rating, Add	*996.51*	
		For Class 56 Rating, Add	*1,319.72*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,900.43	230.51
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*686.87*	
		For Class 55 Rating, Add	*1,023.29*	
		For Class 56 Rating, Add	*1,355.17*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,024.08	233.12
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*704.87*	
		For Class 55 Rating, Add	*1,050.08*	
		For Class 56 Rating, Add	*1,390.62*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,147.71	235.73
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*722.87*	
		For Class 55 Rating, Add	*1,076.86*	
		For Class 56 Rating, Add	*1,426.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,271.36	238.35
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*740.87*	
		For Class 55 Rating, Add	*1,103.65*	
		For Class 56 Rating, Add	*1,461.52*	
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,395.00	240.97
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*758.87*	
		For Class 55 Rating, Add	*1,130.43*	
		For Class 56 Rating, Add	*1,496.97*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,518.65	243.57
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*776.87*	
		For Class 55 Rating, Add	*1,157.22*	
		For Class 56 Rating, Add	*1,532.42*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,642.29	246.19
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*794.87*	
		For Class 55 Rating, Add	*1,184.00*	
		For Class 56 Rating, Add	*1,567.87*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,765.94	248.80
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*812.87*	
		For Class 55 Rating, Add	*1,210.79*	
		For Class 56 Rating, Add	*1,603.32*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,333.93	188.17
		For Class 52 Rating, Deduct	*-115.37*	
		For Class 54 Rating, Add	*160.74*	
		For Class 55 Rating, Add	*240.73*	
		For Class 56 Rating, Add	*319.67*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,476.47	190.79
		For Class 52 Rating, Deduct	*-130.61*	
		For Class 54 Rating, Add	*181.58*	
		For Class 55 Rating, Add	*271.73*	
		For Class 56 Rating, Add	*360.69*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,619.01	193.39
		For Class 52 Rating, Deduct	*-145.86*	
		For Class 54 Rating, Add	*202.41*	
		For Class 55 Rating, Add	*302.73*	
		For Class 56 Rating, Add	*401.71*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,761.55	196.01
		For Class 52 Rating, Deduct	*-161.10*	
		For Class 54 Rating, Add	*223.25*	
		For Class 55 Rating, Add	*333.72*	
		For Class 56 Rating, Add	*442.74*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,904.10	198.63
		For Class 52 Rating, Deduct	*-176.35*	
		For Class 54 Rating, Add	*244.08*	
		For Class 55 Rating, Add	*364.73*	
		For Class 56 Rating, Add	*483.76*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,046.64	201.24
		For Class 52 Rating, Deduct	*-191.59*	
		For Class 54 Rating, Add	*264.92*	
		For Class 55 Rating, Add	*395.72*	
		For Class 56 Rating, Add	*524.79*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,189.18	203.85
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*285.75*	
		For Class 55 Rating, Add	*426.72*	
		For Class 56 Rating, Add	*565.81*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,331.72	206.46
		For Class 52 Rating, Deduct	*-222.08*	
		For Class 54 Rating, Add	*306.59*	
		For Class 55 Rating, Add	*457.72*	
		For Class 56 Rating, Add	*606.83*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,474.27	209.08
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*327.42*	
		For Class 55 Rating, Add	*488.72*	
		For Class 56 Rating, Add	*647.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,616.81	211.70
		For Class 52 Rating, Deduct	*-252.57*	
		For Class 54 Rating, Add	*348.26*	
		For Class 55 Rating, Add	*519.72*	
		For Class 56 Rating, Add	*688.88*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,759.34	214.30
		For Class 52 Rating, Deduct	*-267.81*	
		For Class 54 Rating, Add	*369.09*	
		For Class 55 Rating, Add	*550.72*	
		For Class 56 Rating, Add	*729.91*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,901.88	216.92
		For Class 52 Rating, Deduct	*-283.05*	
		For Class 54 Rating, Add	*389.93*	
		For Class 55 Rating, Add	*581.72*	
		For Class 56 Rating, Add	*770.93*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,044.43	219.53
		For Class 52 Rating, Deduct	*-298.30*	
		For Class 54 Rating, Add	*410.76*	
		For Class 55 Rating, Add	*612.72*	
		For Class 56 Rating, Add	*811.96*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,186.97	222.15
		For Class 52 Rating, Deduct	*-313.54*	
		For Class 54 Rating, Add	*431.60*	
		For Class 55 Rating, Add	*643.71*	
		For Class 56 Rating, Add	*852.98*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,329.51	224.76
		For Class 52 Rating, Deduct	*-328.79*	
		For Class 54 Rating, Add	*452.43*	
		For Class 55 Rating, Add	*674.71*	
		For Class 56 Rating, Add	*894.01*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,472.05	227.37
		For Class 52 Rating, Deduct	*-344.03*	
		For Class 54 Rating, Add	*473.27*	
		For Class 55 Rating, Add	*705.71*	
		For Class 56 Rating, Add	*935.03*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,614.60	229.99
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*494.10*	
		For Class 55 Rating, Add	*736.71*	
		For Class 56 Rating, Add	*976.06*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,757.14	232.59
		For Class 52 Rating, Deduct	*-374.52*	
		For Class 54 Rating, Add	*514.94*	
		For Class 55 Rating, Add	*767.71*	
		For Class 56 Rating, Add	*1,017.08*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,899.68	235.21
		For Class 52 Rating, Deduct	*-389.76*	
		For Class 54 Rating, Add	*535.77*	
		For Class 55 Rating, Add	*798.71*	
		For Class 56 Rating, Add	*1,058.10*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,042.22	237.83
		For Class 52 Rating, Deduct	*-405.01*	
		For Class 54 Rating, Add	*556.61*	
		For Class 55 Rating, Add	*829.71*	
		For Class 56 Rating, Add	*1,099.13*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,184.76	240.44
		For Class 52 Rating, Deduct	*-420.25*	
		For Class 54 Rating, Add	*577.44*	
		For Class 55 Rating, Add	*860.71*	
		For Class 56 Rating, Add	*1,140.15*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,327.32	243.05
		For Class 52 Rating, Deduct	*-435.50*	
		For Class 54 Rating, Add	*598.28*	
		For Class 55 Rating, Add	*891.71*	
		For Class 56 Rating, Add	*1,181.18*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,469.86	245.67
		For Class 52 Rating, Deduct	*-450.74*	
		For Class 54 Rating, Add	*619.11*	
		For Class 55 Rating, Add	*922.71*	
		For Class 56 Rating, Add	*1,222.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,612.40	248.28
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*639.95*	
		For Class 55 Rating, Add	*953.70*	
		For Class 56 Rating, Add	*1,263.22*	
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,754.94	250.90
		For Class 52 Rating, Deduct	*-481.23*	
		For Class 54 Rating, Add	*660.78*	
		For Class 55 Rating, Add	*984.70*	
		For Class 56 Rating, Add	*1,304.25*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,897.48	253.50
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*681.62*	
		For Class 55 Rating, Add	*1,015.70*	
		For Class 56 Rating, Add	*1,345.27*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,040.02	256.12
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*702.45*	
		For Class 55 Rating, Add	*1,046.70*	
		For Class 56 Rating, Add	*1,386.30*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,182.56	258.74
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*723.29*	
		For Class 55 Rating, Add	*1,077.70*	
		For Class 56 Rating, Add	*1,427.32*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,325.10	261.35
		For Class 52 Rating, Deduct	*-542.20*	
		For Class 54 Rating, Add	*744.12*	
		For Class 55 Rating, Add	*1,108.70*	
		For Class 56 Rating, Add	*1,468.35*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,467.65	263.96
		For Class 52 Rating, Deduct	*-557.45*	
		For Class 54 Rating, Add	*764.96*	
		For Class 55 Rating, Add	*1,139.70*	
		For Class 56 Rating, Add	*1,509.37*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,610.19	266.57
		For Class 52 Rating, Deduct	*-572.69*	
		For Class 54 Rating, Add	*785.79*	
		For Class 55 Rating, Add	*1,170.70*	
		For Class 56 Rating, Add	*1,550.40*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,752.73	269.19
		For Class 52 Rating, Deduct	*-587.94*	
		For Class 54 Rating, Add	*806.62*	
		For Class 55 Rating, Add	*1,201.69*	
		For Class 56 Rating, Add	*1,591.42*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,895.27	271.80
		For Class 52 Rating, Deduct	*-603.18*	
		For Class 54 Rating, Add	*827.46*	
		For Class 55 Rating, Add	*1,232.69*	
		For Class 56 Rating, Add	*1,632.44*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,037.82	274.41
		For Class 52 Rating, Deduct	*-618.42*	
		For Class 54 Rating, Add	*848.30*	
		For Class 55 Rating, Add	*1,263.69*	
		For Class 56 Rating, Add	*1,673.47*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,180.36	277.03
		For Class 52 Rating, Deduct	*-633.67*	
		For Class 54 Rating, Add	*869.13*	
		For Class 55 Rating, Add	*1,294.69*	
		For Class 56 Rating, Add	*1,714.49*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,322.90	279.64
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*889.96*	
		For Class 55 Rating, Add	*1,325.69*	
		For Class 56 Rating, Add	*1,755.52*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,465.44	282.25
		For Class 52 Rating, Deduct	*-664.16*	
		For Class 54 Rating, Add	*910.80*	
		For Class 55 Rating, Add	*1,356.69*	
		For Class 56 Rating, Add	*1,796.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,607.99	284.87
		For Class 52 Rating, Deduct	*-679.40*	
		For Class 54 Rating, Add	*931.63*	
		For Class 55 Rating, Add	*1,387.69*	
		For Class 56 Rating, Add	*1,837.57*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,750.53	287.48
		For Class 52 Rating, Deduct	*-694.64*	
		For Class 54 Rating, Add	*952.47*	
		For Class 55 Rating, Add	*1,418.69*	
		For Class 56 Rating, Add	*1,878.59*	

40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,879.26	240.44
		For Class 52 Rating, Deduct	*-166.65*	
		For Class 54 Rating, Add	*231.62*	
		For Class 55 Rating, Add	*346.58*	
		For Class 56 Rating, Add	*460.03*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,062.75	243.05
		For Class 52 Rating, Deduct	*-186.39*	
		For Class 54 Rating, Add	*258.59*	
		For Class 55 Rating, Add	*386.71*	
		For Class 56 Rating, Add	*513.13*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,246.24	245.67
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*285.57*	
		For Class 55 Rating, Add	*426.84*	
		For Class 56 Rating, Add	*566.23*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,429.73	248.28
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*312.55*	
		For Class 55 Rating, Add	*466.97*	
		For Class 56 Rating, Add	*619.34*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,613.22	250.90
		For Class 52 Rating, Deduct	*-245.64*	
		For Class 54 Rating, Add	*339.52*	
		For Class 55 Rating, Add	*507.10*	
		For Class 56 Rating, Add	*672.44*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,796.69	253.50
		For Class 52 Rating, Deduct	*-265.38*	
		For Class 54 Rating, Add	*366.50*	
		For Class 55 Rating, Add	*547.23*	
		For Class 56 Rating, Add	*725.54*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,980.18	256.12
		For Class 52 Rating, Deduct	*-285.13*	
		For Class 54 Rating, Add	*393.47*	
		For Class 55 Rating, Add	*587.36*	
		For Class 56 Rating, Add	*778.65*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,163.67	258.74
		For Class 52 Rating, Deduct	*-304.88*	
		For Class 54 Rating, Add	*420.45*	
		For Class 55 Rating, Add	*627.49*	
		For Class 56 Rating, Add	*831.75*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,347.16	261.35
		For Class 52 Rating, Deduct	*-324.63*	
		For Class 54 Rating, Add	*447.43*	
		For Class 55 Rating, Add	*667.62*	
		For Class 56 Rating, Add	*884.85*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,530.64	263.96
		For Class 52 Rating, Deduct	*-344.38*	
		For Class 54 Rating, Add	*474.40*	
		For Class 55 Rating, Add	*707.74*	
		For Class 56 Rating, Add	*937.95*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,714.13	266.57
		For Class 52 Rating, Deduct	*-364.13*	
		For Class 54 Rating, Add	*501.38*	
		For Class 55 Rating, Add	*747.87*	
		For Class 56 Rating, Add	*991.06*	
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,897.62	269.19
		For Class 52 Rating, Deduct	*-383.87*	
		For Class 54 Rating, Add	*528.36*	
		For Class 55 Rating, Add	*788.01*	
		For Class 56 Rating, Add	*1,044.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,081.10	271.80
		For Class 52 Rating, Deduct	*-403.62*	
		For Class 54 Rating, Add	*555.33*	
		For Class 55 Rating, Add	*828.13*	
		For Class 56 Rating, Add	*1,097.26*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,264.59	274.41
		For Class 52 Rating, Deduct	*-423.37*	
		For Class 54 Rating, Add	*582.31*	
		For Class 55 Rating, Add	*868.26*	
		For Class 56 Rating, Add	*1,150.37*	
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,448.08	277.03
		For Class 52 Rating, Deduct	*-443.12*	
		For Class 54 Rating, Add	*609.29*	
		For Class 55 Rating, Add	*908.39*	
		For Class 56 Rating, Add	*1,203.47*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,631.57	279.64
		For Class 52 Rating, Deduct	*-462.87*	
		For Class 54 Rating, Add	*636.26*	
		For Class 55 Rating, Add	*948.52*	
		For Class 56 Rating, Add	*1,256.57*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,815.05	282.25
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*663.24*	
		For Class 55 Rating, Add	*988.65*	
		For Class 56 Rating, Add	*1,309.68*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,998.54	284.87
		For Class 52 Rating, Deduct	*-502.36*	
		For Class 54 Rating, Add	*690.22*	
		For Class 55 Rating, Add	*1,028.78*	
		For Class 56 Rating, Add	*1,362.78*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,182.03	287.48
		For Class 52 Rating, Deduct	*-522.11*	
		For Class 54 Rating, Add	*717.19*	
		For Class 55 Rating, Add	*1,068.91*	
		For Class 56 Rating, Add	*1,415.88*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,365.50	290.10
		For Class 52 Rating, Deduct	*-541.86*	
		For Class 54 Rating, Add	*744.17*	
		For Class 55 Rating, Add	*1,109.04*	
		For Class 56 Rating, Add	*1,468.98*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,548.99	292.71
		For Class 52 Rating, Deduct	*-561.61*	
		For Class 54 Rating, Add	*771.15*	
		For Class 55 Rating, Add	*1,149.17*	
		For Class 56 Rating, Add	*1,522.09*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,732.48	295.32
		For Class 52 Rating, Deduct	*-581.35*	
		For Class 54 Rating, Add	*798.12*	
		For Class 55 Rating, Add	*1,189.30*	
		For Class 56 Rating, Add	*1,575.19*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,915.98	297.94
		For Class 52 Rating, Deduct	*-601.10*	
		For Class 54 Rating, Add	*825.10*	
		For Class 55 Rating, Add	*1,229.43*	
		For Class 56 Rating, Add	*1,628.30*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,099.46	300.55
		For Class 52 Rating, Deduct	*-620.85*	
		For Class 54 Rating, Add	*852.08*	
		For Class 55 Rating, Add	*1,269.56*	
		For Class 56 Rating, Add	*1,681.40*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,282.95	303.16
		For Class 52 Rating, Deduct	*-640.60*	
		For Class 54 Rating, Add	*879.05*	
		For Class 55 Rating, Add	*1,309.69*	
		For Class 56 Rating, Add	*1,734.50*	
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,466.44	305.78
		For Class 52 Rating, Deduct	*-660.35*	
		For Class 54 Rating, Add	*906.03*	
		For Class 55 Rating, Add	*1,349.82*	
		For Class 56 Rating, Add	*1,787.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,649.92	308.39
		For Class 52 Rating, Deduct	*-680.09*	
		For Class 54 Rating, Add	*933.01*	
		For Class 55 Rating, Add	*1,389.95*	
		For Class 56 Rating, Add	*1,840.71*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,833.41	311.00
		For Class 52 Rating, Deduct	*-699.84*	
		For Class 54 Rating, Add	*959.98*	
		For Class 55 Rating, Add	*1,430.08*	
		For Class 56 Rating, Add	*1,893.81*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,016.90	313.61
		For Class 52 Rating, Deduct	*-719.59*	
		For Class 54 Rating, Add	*986.96*	
		For Class 55 Rating, Add	*1,470.21*	
		For Class 56 Rating, Add	*1,946.91*	
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,200.39	316.23
		For Class 52 Rating, Deduct	*-739.34*	
		For Class 54 Rating, Add	*1,013.94*	
		For Class 55 Rating, Add	*1,510.34*	
		For Class 56 Rating, Add	*2,000.02*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,383.87	318.85
		For Class 52 Rating, Deduct	*-759.08*	
		For Class 54 Rating, Add	*1,040.91*	
		For Class 55 Rating, Add	*1,550.47*	
		For Class 56 Rating, Add	*2,053.12*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,567.36	321.45
		For Class 52 Rating, Deduct	*-778.83*	
		For Class 54 Rating, Add	*1,067.89*	
		For Class 55 Rating, Add	*1,590.60*	
		For Class 56 Rating, Add	*2,106.22*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,750.85	324.07
		For Class 52 Rating, Deduct	*-798.58*	
		For Class 54 Rating, Add	*1,094.87*	
		For Class 55 Rating, Add	*1,630.73*	
		For Class 56 Rating, Add	*2,159.33*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,934.34	326.69
		For Class 52 Rating, Deduct	*-818.33*	
		For Class 54 Rating, Add	*1,121.84*	
		For Class 55 Rating, Add	*1,670.86*	
		For Class 56 Rating, Add	*2,212.43*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,117.81	329.30
		For Class 52 Rating, Deduct	*-838.08*	
		For Class 54 Rating, Add	*1,148.82*	
		For Class 55 Rating, Add	*1,710.98*	
		For Class 56 Rating, Add	*2,265.53*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,301.30	331.91
		For Class 52 Rating, Deduct	*-857.83*	
		For Class 54 Rating, Add	*1,175.80*	
		For Class 55 Rating, Add	*1,751.11*	
		For Class 56 Rating, Add	*2,318.63*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,484.79	334.52
		For Class 52 Rating, Deduct	*-877.57*	
		For Class 54 Rating, Add	*1,202.77*	
		For Class 55 Rating, Add	*1,791.25*	
		For Class 56 Rating, Add	*2,371.74*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,668.27	337.14
		For Class 52 Rating, Deduct	*-897.32*	
		For Class 54 Rating, Add	*1,229.75*	
		For Class 55 Rating, Add	*1,831.37*	
		For Class 56 Rating, Add	*2,424.84*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,851.76	339.76
		For Class 52 Rating, Deduct	*-917.07*	
		For Class 54 Rating, Add	*1,256.73*	
		For Class 55 Rating, Add	*1,871.50*	
		For Class 56 Rating, Add	*2,477.94*	
40 05 19 00-2195		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,383.64	292.71
		For Class 52 Rating, Deduct	*-213.42*	
		For Class 54 Rating, Add	*296.34*	
		For Class 55 Rating, Add	*443.30*	
		For Class 56 Rating, Add	*588.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,620.67	295.32
		For Class 52 Rating, Deduct	*-239.05*	
		For Class 54 Rating, Add	*331.35*	
		For Class 55 Rating, Add	*495.37*	
		For Class 56 Rating, Add	*657.21*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,857.71	297.94
		For Class 52 Rating, Deduct	*-264.69*	
		For Class 54 Rating, Add	*366.36*	
		For Class 55 Rating, Add	*547.44*	
		For Class 56 Rating, Add	*726.11*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,094.74	300.55
		For Class 52 Rating, Deduct	*-290.33*	
		For Class 54 Rating, Add	*401.37*	
		For Class 55 Rating, Add	*599.51*	
		For Class 56 Rating, Add	*795.00*	
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,331.78	303.16
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*436.38*	
		For Class 55 Rating, Add	*651.58*	
		For Class 56 Rating, Add	*863.91*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,568.81	305.78
		For Class 52 Rating, Deduct	*-341.61*	
		For Class 54 Rating, Add	*471.39*	
		For Class 55 Rating, Add	*703.65*	
		For Class 56 Rating, Add	*932.80*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,805.84	308.39
		For Class 52 Rating, Deduct	*-367.24*	
		For Class 54 Rating, Add	*506.39*	
		For Class 55 Rating, Add	*755.72*	
		For Class 56 Rating, Add	*1,001.70*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,042.87	311.00
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*541.40*	
		For Class 55 Rating, Add	*807.79*	
		For Class 56 Rating, Add	*1,070.60*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,279.90	313.61
		For Class 52 Rating, Deduct	*-418.52*	
		For Class 54 Rating, Add	*576.41*	
		For Class 55 Rating, Add	*859.86*	
		For Class 56 Rating, Add	*1,139.50*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,516.93	316.23
		For Class 52 Rating, Deduct	*-444.16*	
		For Class 54 Rating, Add	*611.42*	
		For Class 55 Rating, Add	*911.93*	
		For Class 56 Rating, Add	*1,208.40*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,753.96	318.85
		For Class 52 Rating, Deduct	*-469.79*	
		For Class 54 Rating, Add	*646.43*	
		For Class 55 Rating, Add	*964.00*	
		For Class 56 Rating, Add	*1,277.30*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,990.99	321.45
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*681.43*	
		For Class 55 Rating, Add	*1,016.07*	
		For Class 56 Rating, Add	*1,346.19*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,228.02	324.07
		For Class 52 Rating, Deduct	*-521.07*	
		For Class 54 Rating, Add	*716.44*	
		For Class 55 Rating, Add	*1,068.14*	
		For Class 56 Rating, Add	*1,415.09*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,465.05	326.69
		For Class 52 Rating, Deduct	*-546.71*	
		For Class 54 Rating, Add	*751.45*	
		For Class 55 Rating, Add	*1,120.21*	
		For Class 56 Rating, Add	*1,483.99*	
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,702.07	329.30
		For Class 52 Rating, Deduct	*-572.35*	
		For Class 54 Rating, Add	*786.46*	
		For Class 55 Rating, Add	*1,172.27*	
		For Class 56 Rating, Add	*1,552.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,939.10	331.91
		For Class 52 Rating, Deduct	*-597.98*	
		For Class 54 Rating, Add	*821.47*	
		For Class 55 Rating, Add	*1,224.34*	
		For Class 56 Rating, Add	*1,621.79*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,176.13	334.52
		For Class 52 Rating, Deduct	*-623.62*	
		For Class 54 Rating, Add	*856.47*	
		For Class 55 Rating, Add	*1,276.41*	
		For Class 56 Rating, Add	*1,690.68*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,413.16	337.14
		For Class 52 Rating, Deduct	*-649.26*	
		For Class 54 Rating, Add	*891.48*	
		For Class 55 Rating, Add	*1,328.48*	
		For Class 56 Rating, Add	*1,759.58*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,650.19	339.76
		For Class 52 Rating, Deduct	*-674.90*	
		For Class 54 Rating, Add	*926.49*	
		For Class 55 Rating, Add	*1,380.55*	
		For Class 56 Rating, Add	*1,828.48*	
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,887.22	342.36
		For Class 52 Rating, Deduct	*-700.53*	
		For Class 54 Rating, Add	*961.50*	
		For Class 55 Rating, Add	*1,432.62*	
		For Class 56 Rating, Add	*1,897.38*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,124.25	344.98
		For Class 52 Rating, Deduct	*-726.17*	
		For Class 54 Rating, Add	*996.51*	
		For Class 55 Rating, Add	*1,484.69*	
		For Class 56 Rating, Add	*1,966.28*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,361.28	347.59
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,031.51*	
		For Class 55 Rating, Add	*1,536.76*	
		For Class 56 Rating, Add	*2,035.18*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,598.32	350.21
		For Class 52 Rating, Deduct	*-777.45*	
		For Class 54 Rating, Add	*1,066.52*	
		For Class 55 Rating, Add	*1,588.83*	
		For Class 56 Rating, Add	*2,104.07*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,835.35	352.82
		For Class 52 Rating, Deduct	*-803.08*	
		For Class 54 Rating, Add	*1,101.53*	
		For Class 55 Rating, Add	*1,640.90*	
		For Class 56 Rating, Add	*2,172.97*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,072.38	355.43
		For Class 52 Rating, Deduct	*-828.72*	
		For Class 54 Rating, Add	*1,136.54*	
		For Class 55 Rating, Add	*1,692.97*	
		For Class 56 Rating, Add	*2,241.87*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,309.41	358.05
		For Class 52 Rating, Deduct	*-854.36*	
		For Class 54 Rating, Add	*1,171.55*	
		For Class 55 Rating, Add	*1,745.04*	
		For Class 56 Rating, Add	*2,310.77*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,546.44	360.65
		For Class 52 Rating, Deduct	*-880.00*	
		For Class 54 Rating, Add	*1,206.55*	
		For Class 55 Rating, Add	*1,797.11*	
		For Class 56 Rating, Add	*2,379.67*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,783.47	363.27
		For Class 52 Rating, Deduct	*-905.64*	
		For Class 54 Rating, Add	*1,241.56*	
		For Class 55 Rating, Add	*1,849.18*	
		For Class 56 Rating, Add	*2,448.56*	
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,020.50	365.89
		For Class 52 Rating, Deduct	*-931.27*	
		For Class 54 Rating, Add	*1,276.57*	
		For Class 55 Rating, Add	*1,901.25*	
		For Class 56 Rating, Add	*2,517.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,257.53	368.50
		For Class 52 Rating, Deduct	*-956.91*	
		For Class 54 Rating, Add	*1,311.58*	
		For Class 55 Rating, Add	*1,953.32*	
		For Class 56 Rating, Add	*2,586.36*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,494.56	371.11
		For Class 52 Rating, Deduct	*-982.55*	
		For Class 54 Rating, Add	*1,346.59*	
		For Class 55 Rating, Add	*2,005.39*	
		For Class 56 Rating, Add	*2,655.26*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,731.59	373.73
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,381.60*	
		For Class 55 Rating, Add	*2,057.46*	
		For Class 56 Rating, Add	*2,724.16*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,968.62	376.34
		For Class 52 Rating, Deduct	*-1,033.83*	
		For Class 54 Rating, Add	*1,416.60*	
		For Class 55 Rating, Add	*2,109.53*	
		For Class 56 Rating, Add	*2,793.06*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,205.65	378.96
		For Class 52 Rating, Deduct	*-1,059.46*	
		For Class 54 Rating, Add	*1,451.61*	
		For Class 55 Rating, Add	*2,161.60*	
		For Class 56 Rating, Add	*2,861.96*	
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,442.68	381.56
		For Class 52 Rating, Deduct	*-1,085.10*	
		For Class 54 Rating, Add	*1,486.62*	
		For Class 55 Rating, Add	*2,213.67*	
		For Class 56 Rating, Add	*2,930.85*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,679.71	384.18
		For Class 52 Rating, Deduct	*-1,110.74*	
		For Class 54 Rating, Add	*1,521.63*	
		For Class 55 Rating, Add	*2,265.74*	
		For Class 56 Rating, Add	*2,999.75*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,916.74	386.80
		For Class 52 Rating, Deduct	*-1,136.38*	
		For Class 54 Rating, Add	*1,556.64*	
		For Class 55 Rating, Add	*2,317.81*	
		For Class 56 Rating, Add	*3,068.65*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,153.77	389.41
		For Class 52 Rating, Deduct	*-1,162.01*	
		For Class 54 Rating, Add	*1,591.64*	
		For Class 55 Rating, Add	*2,369.88*	
		For Class 56 Rating, Add	*3,137.55*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,390.80	392.02
		For Class 52 Rating, Deduct	*-1,187.65*	
		For Class 54 Rating, Add	*1,626.65*	
		For Class 55 Rating, Add	*2,421.95*	
		For Class 56 Rating, Add	*3,206.45*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,137.05	365.89
		For Class 52 Rating, Deduct	*-284.09*	
		For Class 54 Rating, Add	*394.05*	
		For Class 55 Rating, Add	*589.24*	
		For Class 56 Rating, Add	*781.85*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,430.77	368.50
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*437.57*	
		For Class 55 Rating, Add	*653.95*	
		For Class 56 Rating, Add	*867.47*	
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,724.49	371.11
		For Class 52 Rating, Deduct	*-347.84*	
		For Class 54 Rating, Add	*481.08*	
		For Class 55 Rating, Add	*718.67*	
		For Class 56 Rating, Add	*953.09*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,018.21	373.73
		For Class 52 Rating, Deduct	*-379.72*	
		For Class 54 Rating, Add	*524.59*	
		For Class 55 Rating, Add	*783.38*	
		For Class 56 Rating, Add	*1,038.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,311.93	376.34
		For Class 52 Rating, Deduct	*-411.59*	
		For Class 54 Rating, Add	*568.10*	
		For Class 55 Rating, Add	*848.09*	
		For Class 56 Rating, Add	*1,124.33*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,605.66	378.96
		For Class 52 Rating, Deduct	*-443.46*	
		For Class 54 Rating, Add	*611.61*	
		For Class 55 Rating, Add	*912.80*	
		For Class 56 Rating, Add	*1,209.96*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,899.38	381.56
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*655.13*	
		For Class 55 Rating, Add	*977.51*	
		For Class 56 Rating, Add	*1,295.58*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,193.10	384.18
		For Class 52 Rating, Deduct	*-507.21*	
		For Class 54 Rating, Add	*698.64*	
		For Class 55 Rating, Add	*1,042.23*	
		For Class 56 Rating, Add	*1,381.20*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,486.83	386.80
		For Class 52 Rating, Deduct	*-539.09*	
		For Class 54 Rating, Add	*742.15*	
		For Class 55 Rating, Add	*1,106.94*	
		For Class 56 Rating, Add	*1,466.83*	
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,780.55	389.41
		For Class 52 Rating, Deduct	*-570.96*	
		For Class 54 Rating, Add	*785.66*	
		For Class 55 Rating, Add	*1,171.65*	
		For Class 56 Rating, Add	*1,552.45*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,074.27	392.02
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*829.17*	
		For Class 55 Rating, Add	*1,236.36*	
		For Class 56 Rating, Add	*1,638.07*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,368.00	394.63
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*872.69*	
		For Class 55 Rating, Add	*1,301.08*	
		For Class 56 Rating, Add	*1,723.70*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,661.72	397.25
		For Class 52 Rating, Deduct	*-666.58*	
		For Class 54 Rating, Add	*916.20*	
		For Class 55 Rating, Add	*1,365.79*	
		For Class 56 Rating, Add	*1,809.32*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,955.44	399.87
		For Class 52 Rating, Deduct	*-698.45*	
		For Class 54 Rating, Add	*959.71*	
		For Class 55 Rating, Add	*1,430.50*	
		For Class 56 Rating, Add	*1,894.94*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,249.17	402.47
		For Class 52 Rating, Deduct	*-730.33*	
		For Class 54 Rating, Add	*1,003.22*	
		For Class 55 Rating, Add	*1,495.21*	
		For Class 56 Rating, Add	*1,980.56*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,542.89	405.09
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,046.73*	
		For Class 55 Rating, Add	*1,559.92*	
		For Class 56 Rating, Add	*2,066.19*	
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,836.61	407.70
		For Class 52 Rating, Deduct	*-794.08*	
		For Class 54 Rating, Add	*1,090.24*	
		For Class 55 Rating, Add	*1,624.64*	
		For Class 56 Rating, Add	*2,151.81*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,130.34	410.31
		For Class 52 Rating, Deduct	*-825.95*	
		For Class 54 Rating, Add	*1,133.76*	
		For Class 55 Rating, Add	*1,689.35*	
		For Class 56 Rating, Add	*2,237.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,424.06	412.93
		For Class 52 Rating, Deduct	*-857.83*	
		For Class 54 Rating, Add	*1,177.27*	
		For Class 55 Rating, Add	*1,754.06*	
		For Class 56 Rating, Add	*2,323.05*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,717.78	415.54
		For Class 52 Rating, Deduct	*-889.70*	
		For Class 54 Rating, Add	*1,220.78*	
		For Class 55 Rating, Add	*1,818.77*	
		For Class 56 Rating, Add	*2,408.68*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,011.51	418.16
		For Class 52 Rating, Deduct	*-921.57*	
		For Class 54 Rating, Add	*1,264.29*	
		For Class 55 Rating, Add	*1,883.49*	
		For Class 56 Rating, Add	*2,494.30*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,305.23	420.77
		For Class 52 Rating, Deduct	*-953.45*	
		For Class 54 Rating, Add	*1,307.81*	
		For Class 55 Rating, Add	*1,948.20*	
		For Class 56 Rating, Add	*2,579.92*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,598.95	423.38
		For Class 52 Rating, Deduct	*-985.32*	
		For Class 54 Rating, Add	*1,351.32*	
		For Class 55 Rating, Add	*2,012.91*	
		For Class 56 Rating, Add	*2,665.54*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,892.68	426.00
		For Class 52 Rating, Deduct	*-1,017.20*	
		For Class 54 Rating, Add	*1,394.83*	
		For Class 55 Rating, Add	*2,077.62*	
		For Class 56 Rating, Add	*2,751.17*	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,183.25	428.61
		For Class 52 Rating, Deduct	*-1,048.72*	
		For Class 54 Rating, Add	*1,437.87*	
		For Class 55 Rating, Add	*2,141.63*	
		For Class 56 Rating, Add	*2,835.86*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,480.12	431.22
		For Class 52 Rating, Deduct	*-1,080.94*	
		For Class 54 Rating, Add	*1,481.85*	
		For Class 55 Rating, Add	*2,207.05*	
		For Class 56 Rating, Add	*2,922.41*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,773.85	433.84
		For Class 52 Rating, Deduct	*-1,112.82*	
		For Class 54 Rating, Add	*1,525.37*	
		For Class 55 Rating, Add	*2,271.76*	
		For Class 56 Rating, Add	*3,008.04*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,067.57	436.45
		For Class 52 Rating, Deduct	*-1,144.69*	
		For Class 54 Rating, Add	*1,568.88*	
		For Class 55 Rating, Add	*2,336.47*	
		For Class 56 Rating, Add	*3,093.66*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,361.29	439.07
		For Class 52 Rating, Deduct	*-1,176.56*	
		For Class 54 Rating, Add	*1,612.39*	
		For Class 55 Rating, Add	*2,401.18*	
		For Class 56 Rating, Add	*3,179.28*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,655.01	441.67
		For Class 52 Rating, Deduct	*-1,208.44*	
		For Class 54 Rating, Add	*1,655.90*	
		For Class 55 Rating, Add	*2,465.89*	
		For Class 56 Rating, Add	*3,264.90*	
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,948.73	444.29
		For Class 52 Rating, Deduct	*-1,240.31*	
		For Class 54 Rating, Add	*1,699.41*	
		For Class 55 Rating, Add	*2,530.61*	
		For Class 56 Rating, Add	*3,350.53*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,242.45	446.91
		For Class 52 Rating, Deduct	*-1,272.19*	
		For Class 54 Rating, Add	*1,742.92*	
		For Class 55 Rating, Add	*2,595.32*	
		For Class 56 Rating, Add	*3,436.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,536.17	449.51
		For Class 52 Rating, Deduct	*-1,304.06*	
		For Class 54 Rating, Add	*1,786.44*	
		For Class 55 Rating, Add	*2,660.03*	
		For Class 56 Rating, Add	*3,521.77*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,829.90	452.13
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,829.95*	
		For Class 55 Rating, Add	*2,724.74*	
		For Class 56 Rating, Add	*3,607.40*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,123.62	454.74
		For Class 52 Rating, Deduct	*-1,367.81*	
		For Class 54 Rating, Add	*1,873.46*	
		For Class 55 Rating, Add	*2,789.46*	
		For Class 56 Rating, Add	*3,693.02*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,417.35	457.36
		For Class 52 Rating, Deduct	*-1,399.68*	
		For Class 54 Rating, Add	*1,916.97*	
		For Class 55 Rating, Add	*2,854.17*	
		For Class 56 Rating, Add	*3,778.64*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,711.08	459.97
		For Class 52 Rating, Deduct	*-1,431.56*	
		For Class 54 Rating, Add	*1,960.49*	
		For Class 55 Rating, Add	*2,918.88*	
		For Class 56 Rating, Add	*3,864.26*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,004.80	462.58
		For Class 52 Rating, Deduct	*-1,463.43*	
		For Class 54 Rating, Add	*2,004.00*	
		For Class 55 Rating, Add	*2,983.59*	
		For Class 56 Rating, Add	*3,949.89*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,298.52	465.20
		For Class 52 Rating, Deduct	*-1,495.30*	
		For Class 54 Rating, Add	*2,047.51*	
		For Class 55 Rating, Add	*3,048.30*	
		For Class 56 Rating, Add	*4,035.51*	

40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,258.94	439.07
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*547.04*	
		For Class 55 Rating, Add	*817.36*	
		For Class 56 Rating, Add	*1,084.09*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,615.66	441.67
		For Class 52 Rating, Deduct	*-434.11*	
		For Class 54 Rating, Add	*600.00*	
		For Class 55 Rating, Add	*896.12*	
		For Class 56 Rating, Add	*1,188.29*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,972.36	444.29
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*652.96*	
		For Class 55 Rating, Add	*974.88*	
		For Class 56 Rating, Add	*1,292.50*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,329.08	446.91
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*705.92*	
		For Class 55 Rating, Add	*1,053.64*	
		For Class 56 Rating, Add	*1,396.70*	
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,685.79	449.51
		For Class 52 Rating, Deduct	*-550.52*	
		For Class 54 Rating, Add	*758.88*	
		For Class 55 Rating, Add	*1,132.40*	
		For Class 56 Rating, Add	*1,500.91*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,042.51	452.13
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*811.84*	
		For Class 55 Rating, Add	*1,211.16*	
		For Class 56 Rating, Add	*1,605.12*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,399.22	454.74
		For Class 52 Rating, Deduct	*-628.12*	
		For Class 54 Rating, Add	*864.80*	
		For Class 55 Rating, Add	*1,289.92*	
		For Class 56 Rating, Add	*1,709.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,755.95	457.36
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*917.76*	
		For Class 55 Rating, Add	*1,368.68*	
		For Class 56 Rating, Add	*1,813.53*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,112.67	459.97
		For Class 52 Rating, Deduct	*-705.73*	
		For Class 54 Rating, Add	*970.72*	
		For Class 55 Rating, Add	*1,447.44*	
		For Class 56 Rating, Add	*1,917.73*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,469.38	462.58
		For Class 52 Rating, Deduct	*-744.53*	
		For Class 54 Rating, Add	*1,023.68*	
		For Class 55 Rating, Add	*1,526.19*	
		For Class 56 Rating, Add	*2,021.94*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,826.10	465.20
		For Class 52 Rating, Deduct	*-783.34*	
		For Class 54 Rating, Add	*1,076.65*	
		For Class 55 Rating, Add	*1,604.96*	
		For Class 56 Rating, Add	*2,126.14*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,182.81	467.82
		For Class 52 Rating, Deduct	*-822.14*	
		For Class 54 Rating, Add	*1,129.61*	
		For Class 55 Rating, Add	*1,683.71*	
		For Class 56 Rating, Add	*2,230.35*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,539.53	470.42
		For Class 52 Rating, Deduct	*-860.94*	
		For Class 54 Rating, Add	*1,182.57*	
		For Class 55 Rating, Add	*1,762.47*	
		For Class 56 Rating, Add	*2,334.55*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,896.24	473.04
		For Class 52 Rating, Deduct	*-899.75*	
		For Class 54 Rating, Add	*1,235.53*	
		For Class 55 Rating, Add	*1,841.23*	
		For Class 56 Rating, Add	*2,438.76*	
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,252.96	475.65
		For Class 52 Rating, Deduct	*-938.55*	
		For Class 54 Rating, Add	*1,288.49*	
		For Class 55 Rating, Add	*1,919.99*	
		For Class 56 Rating, Add	*2,542.96*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,609.67	478.27
		For Class 52 Rating, Deduct	*-977.35*	
		For Class 54 Rating, Add	*1,341.45*	
		For Class 55 Rating, Add	*1,998.75*	
		For Class 56 Rating, Add	*2,647.17*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,966.39	480.88
		For Class 52 Rating, Deduct	*-1,016.16*	
		For Class 54 Rating, Add	*1,394.41*	
		For Class 55 Rating, Add	*2,077.51*	
		For Class 56 Rating, Add	*2,751.38*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,323.09	483.49
		For Class 52 Rating, Deduct	*-1,054.96*	
		For Class 54 Rating, Add	*1,447.37*	
		For Class 55 Rating, Add	*2,156.27*	
		For Class 56 Rating, Add	*2,855.58*	
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,679.81	486.11
		For Class 52 Rating, Deduct	*-1,093.76*	
		For Class 54 Rating, Add	*1,500.33*	
		For Class 55 Rating, Add	*2,235.03*	
		For Class 56 Rating, Add	*2,959.79*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,036.52	488.71
		For Class 52 Rating, Deduct	*-1,132.56*	
		For Class 54 Rating, Add	*1,553.29*	
		For Class 55 Rating, Add	*2,313.79*	
		For Class 56 Rating, Add	*3,063.99*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,393.24	491.33
		For Class 52 Rating, Deduct	*-1,171.37*	
		For Class 54 Rating, Add	*1,606.25*	
		For Class 55 Rating, Add	*2,392.55*	
		For Class 56 Rating, Add	*3,168.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,749.95	493.95
		For Class 52 Rating, Deduct	*-1,210.17*	
		For Class 54 Rating, Add	*1,659.21*	
		For Class 55 Rating, Add	*2,471.31*	
		For Class 56 Rating, Add	*3,272.40*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,106.67	496.56
		For Class 52 Rating, Deduct	*-1,248.97*	
		For Class 54 Rating, Add	*1,712.17*	
		For Class 55 Rating, Add	*2,550.07*	
		For Class 56 Rating, Add	*3,376.61*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,463.38	499.17
		For Class 52 Rating, Deduct	*-1,287.78*	
		For Class 54 Rating, Add	*1,765.13*	
		For Class 55 Rating, Add	*2,628.83*	
		For Class 56 Rating, Add	*3,480.81*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,820.10	501.79
		For Class 52 Rating, Deduct	*-1,326.58*	
		For Class 54 Rating, Add	*1,818.10*	
		For Class 55 Rating, Add	*2,707.59*	
		For Class 56 Rating, Add	*3,585.02*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,176.81	504.40
		For Class 52 Rating, Deduct	*-1,365.38*	
		For Class 54 Rating, Add	*1,871.06*	
		For Class 55 Rating, Add	*2,786.34*	
		For Class 56 Rating, Add	*3,689.22*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,533.53	507.02
		For Class 52 Rating, Deduct	*-1,404.19*	
		For Class 54 Rating, Add	*1,924.02*	
		For Class 55 Rating, Add	*2,865.11*	
		For Class 56 Rating, Add	*3,793.43*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,890.24	509.62
		For Class 52 Rating, Deduct	*-1,442.99*	
		For Class 54 Rating, Add	*1,976.98*	
		For Class 55 Rating, Add	*2,943.86*	
		For Class 56 Rating, Add	*3,897.63*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,246.97	512.24
		For Class 52 Rating, Deduct	*-1,481.79*	
		For Class 54 Rating, Add	*2,029.94*	
		For Class 55 Rating, Add	*3,022.62*	
		For Class 56 Rating, Add	*4,001.84*	
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,603.68	514.86
		For Class 52 Rating, Deduct	*-1,520.59*	
		For Class 54 Rating, Add	*2,082.90*	
		For Class 55 Rating, Add	*3,101.38*	
		For Class 56 Rating, Add	*4,106.04*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,960.40	517.47
		For Class 52 Rating, Deduct	*-1,559.40*	
		For Class 54 Rating, Add	*2,135.86*	
		For Class 55 Rating, Add	*3,180.14*	
		For Class 56 Rating, Add	*4,210.25*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,317.11	520.08
		For Class 52 Rating, Deduct	*-1,598.20*	
		For Class 54 Rating, Add	*2,188.82*	
		For Class 55 Rating, Add	*3,258.90*	
		For Class 56 Rating, Add	*4,314.45*	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,673.82	522.69
		For Class 52 Rating, Deduct	*-1,637.00*	
		For Class 54 Rating, Add	*2,241.78*	
		For Class 55 Rating, Add	*3,337.66*	
		For Class 56 Rating, Add	*4,418.66*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,030.54	525.31
		For Class 52 Rating, Deduct	*-1,675.81*	
		For Class 54 Rating, Add	*2,294.74*	
		For Class 55 Rating, Add	*3,416.42*	
		For Class 56 Rating, Add	*4,522.87*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,387.25	527.93
		For Class 52 Rating, Deduct	*-1,714.61*	
		For Class 54 Rating, Add	*2,347.70*	
		For Class 55 Rating, Add	*3,495.18*	
		For Class 56 Rating, Add	*4,627.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,743.97	530.53
		For Class 52 Rating, Deduct	*-1,753.41*	
		For Class 54 Rating, Add	*2,400.67*	
		For Class 55 Rating, Add	*3,573.94*	
		For Class 56 Rating, Add	*4,731.28*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,100.68	533.15
		For Class 52 Rating, Deduct	*-1,792.22*	
		For Class 54 Rating, Add	*2,453.63*	
		For Class 55 Rating, Add	*3,652.70*	
		For Class 56 Rating, Add	*4,835.48*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,457.40	535.76
		For Class 52 Rating, Deduct	*-1,831.02*	
		For Class 54 Rating, Add	*2,506.59*	
		For Class 55 Rating, Add	*3,731.46*	
		For Class 56 Rating, Add	*4,939.69*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,012.24	501.79
		For Class 52 Rating, Deduct	*-467.72*	
		For Class 54 Rating, Add	*646.92*	
		For Class 55 Rating, Add	*966.43*	
		For Class 56 Rating, Add	*1,281.70*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,425.65	504.40
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*708.38*	
		For Class 55 Rating, Add	*1,057.84*	
		For Class 56 Rating, Add	*1,402.63*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,839.06	507.02
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*769.85*	
		For Class 55 Rating, Add	*1,149.24*	
		For Class 56 Rating, Add	*1,523.56*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,252.46	509.62
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*831.31*	
		For Class 55 Rating, Add	*1,240.64*	
		For Class 56 Rating, Add	*1,644.49*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,665.88	512.24
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*892.78*	
		For Class 55 Rating, Add	*1,332.04*	
		For Class 56 Rating, Add	*1,765.42*	
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,079.29	514.86
		For Class 52 Rating, Deduct	*-692.91*	
		For Class 54 Rating, Add	*954.24*	
		For Class 55 Rating, Add	*1,423.44*	
		For Class 56 Rating, Add	*1,886.35*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,492.70	517.47
		For Class 52 Rating, Deduct	*-737.95*	
		For Class 54 Rating, Add	*1,015.71*	
		For Class 55 Rating, Add	*1,514.85*	
		For Class 56 Rating, Add	*2,007.28*	
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,906.11	520.08
		For Class 52 Rating, Deduct	*-782.99*	
		For Class 54 Rating, Add	*1,077.17*	
		For Class 55 Rating, Add	*1,606.25*	
		For Class 56 Rating, Add	*2,128.21*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,319.50	522.69
		For Class 52 Rating, Deduct	*-828.03*	
		For Class 54 Rating, Add	*1,138.63*	
		For Class 55 Rating, Add	*1,697.65*	
		For Class 56 Rating, Add	*2,249.13*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,732.91	525.31
		For Class 52 Rating, Deduct	*-873.07*	
		For Class 54 Rating, Add	*1,200.10*	
		For Class 55 Rating, Add	*1,789.05*	
		For Class 56 Rating, Add	*2,370.07*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,146.32	527.93
		For Class 52 Rating, Deduct	*-918.11*	
		For Class 54 Rating, Add	*1,261.56*	
		For Class 55 Rating, Add	*1,880.45*	
		For Class 56 Rating, Add	*2,491.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,559.73	530.53
		For Class 52 Rating, Deduct	*-963.15*	
		For Class 54 Rating, Add	*1,323.03*	
		For Class 55 Rating, Add	*1,971.86*	
		For Class 56 Rating, Add	*2,611.93*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,973.14	533.15
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,384.49*	
		For Class 55 Rating, Add	*2,063.26*	
		For Class 56 Rating, Add	*2,732.86*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,386.54	535.76
		For Class 52 Rating, Deduct	*-1,053.23*	
		For Class 54 Rating, Add	*1,445.96*	
		For Class 55 Rating, Add	*2,154.66*	
		For Class 56 Rating, Add	*2,853.78*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,799.95	538.37
		For Class 52 Rating, Deduct	*-1,098.27*	
		For Class 54 Rating, Add	*1,507.42*	
		For Class 55 Rating, Add	*2,246.06*	
		For Class 56 Rating, Add	*2,974.71*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,213.36	540.99
		For Class 52 Rating, Deduct	*-1,143.30*	
		For Class 54 Rating, Add	*1,568.89*	
		For Class 55 Rating, Add	*2,337.46*	
		For Class 56 Rating, Add	*3,095.64*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,626.77	543.60
		For Class 52 Rating, Deduct	*-1,188.34*	
		For Class 54 Rating, Add	*1,630.35*	
		For Class 55 Rating, Add	*2,428.87*	
		For Class 56 Rating, Add	*3,216.57*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,040.18	546.22
		For Class 52 Rating, Deduct	*-1,233.38*	
		For Class 54 Rating, Add	*1,691.82*	
		For Class 55 Rating, Add	*2,520.27*	
		For Class 56 Rating, Add	*3,337.50*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,453.58	548.83
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,753.28*	
		For Class 55 Rating, Add	*2,611.67*	
		For Class 56 Rating, Add	*3,458.43*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,866.99	551.44
		For Class 52 Rating, Deduct	*-1,323.46*	
		For Class 54 Rating, Add	*1,814.75*	
		For Class 55 Rating, Add	*2,703.07*	
		For Class 56 Rating, Add	*3,579.36*	
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,280.40	554.06
		For Class 52 Rating, Deduct	*-1,368.50*	
		For Class 54 Rating, Add	*1,876.21*	
		For Class 55 Rating, Add	*2,794.47*	
		For Class 56 Rating, Add	*3,700.29*	
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,693.81	556.67
		For Class 52 Rating, Deduct	*-1,413.54*	
		For Class 54 Rating, Add	*1,937.68*	
		For Class 55 Rating, Add	*2,885.88*	
		For Class 56 Rating, Add	*3,821.22*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,107.22	559.28
		For Class 52 Rating, Deduct	*-1,458.58*	
		For Class 54 Rating, Add	*1,999.14*	
		For Class 55 Rating, Add	*2,977.28*	
		For Class 56 Rating, Add	*3,942.15*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,520.61	561.90
		For Class 52 Rating, Deduct	*-1,503.62*	
		For Class 54 Rating, Add	*2,060.61*	
		For Class 55 Rating, Add	*3,068.68*	
		For Class 56 Rating, Add	*4,063.08*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,934.02	564.51
		For Class 52 Rating, Deduct	*-1,548.66*	
		For Class 54 Rating, Add	*2,122.07*	
		For Class 55 Rating, Add	*3,160.08*	
		For Class 56 Rating, Add	*4,184.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,347.44	567.13
		For Class 52 Rating, Deduct	*-1,593.70*	
		For Class 54 Rating, Add	*2,183.54*	
		For Class 55 Rating, Add	*3,251.48*	
		For Class 56 Rating, Add	*4,304.94*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,760.85	569.73
		For Class 52 Rating, Deduct	*-1,638.74*	
		For Class 54 Rating, Add	*2,245.00*	
		For Class 55 Rating, Add	*3,342.88*	
		For Class 56 Rating, Add	*4,425.87*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,174.26	572.35
		For Class 52 Rating, Deduct	*-1,683.78*	
		For Class 54 Rating, Add	*2,306.47*	
		For Class 55 Rating, Add	*3,434.29*	
		For Class 56 Rating, Add	*4,546.80*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,587.66	574.97
		For Class 52 Rating, Deduct	*-1,728.82*	
		For Class 54 Rating, Add	*2,367.93*	
		For Class 55 Rating, Add	*3,525.69*	
		For Class 56 Rating, Add	*4,667.73*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,001.07	577.58
		For Class 52 Rating, Deduct	*-1,773.85*	
		For Class 54 Rating, Add	*2,429.39*	
		For Class 55 Rating, Add	*3,617.09*	
		For Class 56 Rating, Add	*4,788.66*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,414.48	580.19
		For Class 52 Rating, Deduct	*-1,818.89*	
		For Class 54 Rating, Add	*2,490.86*	
		For Class 55 Rating, Add	*3,708.49*	
		For Class 56 Rating, Add	*4,909.59*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,827.89	582.80
		For Class 52 Rating, Deduct	*-1,863.93*	
		For Class 54 Rating, Add	*2,552.32*	
		For Class 55 Rating, Add	*3,799.89*	
		For Class 56 Rating, Add	*5,030.52*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,241.30	585.42
		For Class 52 Rating, Deduct	*-1,908.97*	
		For Class 54 Rating, Add	*2,613.79*	
		For Class 55 Rating, Add	*3,891.30*	
		For Class 56 Rating, Add	*5,151.45*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,654.70	588.03
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,675.25*	
		For Class 55 Rating, Add	*3,982.70*	
		For Class 56 Rating, Add	*5,272.38*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,068.11	590.64
		For Class 52 Rating, Deduct	*-1,999.05*	
		For Class 54 Rating, Add	*2,736.72*	
		For Class 55 Rating, Add	*4,074.10*	
		For Class 56 Rating, Add	*5,393.31*	
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,481.52	593.26
		For Class 52 Rating, Deduct	*-2,044.09*	
		For Class 54 Rating, Add	*2,798.18*	
		For Class 55 Rating, Add	*4,165.50*	
		For Class 56 Rating, Add	*5,514.24*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,894.93	595.88
		For Class 52 Rating, Deduct	*-2,089.13*	
		For Class 54 Rating, Add	*2,859.65*	
		For Class 55 Rating, Add	*4,256.90*	
		For Class 56 Rating, Add	*5,635.17*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,308.33	598.48
		For Class 52 Rating, Deduct	*-2,134.17*	
		For Class 54 Rating, Add	*2,921.11*	
		For Class 55 Rating, Add	*4,348.31*	
		For Class 56 Rating, Add	*5,756.10*	
40 05 19 00-2353		18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,864.77	565.56
		For Class 52 Rating, Deduct	*-550.86*	
		For Class 54 Rating, Add	*761.46*	
		For Class 55 Rating, Add	*1,137.32*	
		For Class 56 Rating, Add	*1,508.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,341.16	568.16
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*832.38*	
		For Class 55 Rating, Add	*1,242.77*	
		For Class 56 Rating, Add	*1,647.68*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,817.56	570.78
		For Class 52 Rating, Deduct	*-654.80*	
		For Class 54 Rating, Add	*903.29*	
		For Class 55 Rating, Add	*1,348.22*	
		For Class 56 Rating, Add	*1,787.19*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,293.96	573.40
		For Class 52 Rating, Deduct	*-706.77*	
		For Class 54 Rating, Add	*974.20*	
		For Class 55 Rating, Add	*1,453.67*	
		For Class 56 Rating, Add	*1,926.70*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,770.36	576.01
		For Class 52 Rating, Deduct	*-758.74*	
		For Class 54 Rating, Add	*1,045.12*	
		For Class 55 Rating, Add	*1,559.12*	
		For Class 56 Rating, Add	*2,066.22*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,246.76	578.62
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,116.03*	
		For Class 55 Rating, Add	*1,664.56*	
		For Class 56 Rating, Add	*2,205.73*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,723.16	581.24
		For Class 52 Rating, Deduct	*-862.68*	
		For Class 54 Rating, Add	*1,186.94*	
		For Class 55 Rating, Add	*1,770.01*	
		For Class 56 Rating, Add	*2,345.24*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,199.56	583.85
		For Class 52 Rating, Deduct	*-914.64*	
		For Class 54 Rating, Add	*1,257.86*	
		For Class 55 Rating, Add	*1,875.46*	
		For Class 56 Rating, Add	*2,484.75*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,675.96	586.47
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,328.77*	
		For Class 55 Rating, Add	*1,980.91*	
		For Class 56 Rating, Add	*2,624.27*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,152.36	589.07
		For Class 52 Rating, Deduct	*-1,018.58*	
		For Class 54 Rating, Add	*1,399.68*	
		For Class 55 Rating, Add	*2,086.36*	
		For Class 56 Rating, Add	*2,763.78*	
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,628.76	591.69
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,470.60*	
		For Class 55 Rating, Add	*2,191.81*	
		For Class 56 Rating, Add	*2,903.29*	
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,105.16	594.31
		For Class 52 Rating, Deduct	*-1,122.52*	
		For Class 54 Rating, Add	*1,541.51*	
		For Class 55 Rating, Add	*2,297.26*	
		For Class 56 Rating, Add	*3,042.80*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,581.56	596.92
		For Class 52 Rating, Deduct	*-1,174.49*	
		For Class 54 Rating, Add	*1,612.42*	
		For Class 55 Rating, Add	*2,402.71*	
		For Class 56 Rating, Add	*3,182.32*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,057.96	599.53
		For Class 52 Rating, Deduct	*-1,226.45*	
		For Class 54 Rating, Add	*1,683.34*	
		For Class 55 Rating, Add	*2,508.16*	
		For Class 56 Rating, Add	*3,321.83*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,534.36	602.14
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,754.25*	
		For Class 55 Rating, Add	*2,613.61*	
		For Class 56 Rating, Add	*3,461.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,010.76	604.76
		For Class 52 Rating, Deduct	*-1,330.39*	
		For Class 54 Rating, Add	*1,825.16*	
		For Class 55 Rating, Add	*2,719.06*	
		For Class 56 Rating, Add	*3,600.85*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,487.15	607.37
		For Class 52 Rating, Deduct	*-1,382.36*	
		For Class 54 Rating, Add	*1,896.08*	
		For Class 55 Rating, Add	*2,824.50*	
		For Class 56 Rating, Add	*3,740.36*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,963.56	609.98
		For Class 52 Rating, Deduct	*-1,434.33*	
		For Class 54 Rating, Add	*1,966.99*	
		For Class 55 Rating, Add	*2,929.95*	
		For Class 56 Rating, Add	*3,879.88*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,439.96	612.60
		For Class 52 Rating, Deduct	*-1,486.30*	
		For Class 54 Rating, Add	*2,037.91*	
		For Class 55 Rating, Add	*3,035.40*	
		For Class 56 Rating, Add	*4,019.39*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,916.36	615.21
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,108.82*	
		For Class 55 Rating, Add	*3,140.85*	
		For Class 56 Rating, Add	*4,158.90*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,392.76	617.82
		For Class 52 Rating, Deduct	*-1,590.23*	
		For Class 54 Rating, Add	*2,179.73*	
		For Class 55 Rating, Add	*3,246.30*	
		For Class 56 Rating, Add	*4,298.41*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,869.16	620.44
		For Class 52 Rating, Deduct	*-1,642.20*	
		For Class 54 Rating, Add	*2,250.65*	
		For Class 55 Rating, Add	*3,351.75*	
		For Class 56 Rating, Add	*4,437.93*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,345.56	623.05
		For Class 52 Rating, Deduct	*-1,694.17*	
		For Class 54 Rating, Add	*2,321.56*	
		For Class 55 Rating, Add	*3,457.20*	
		For Class 56 Rating, Add	*4,577.44*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,821.96	625.67
		For Class 52 Rating, Deduct	*-1,746.14*	
		For Class 54 Rating, Add	*2,392.47*	
		For Class 55 Rating, Add	*3,562.65*	
		For Class 56 Rating, Add	*4,716.95*	
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,298.36	628.28
		For Class 52 Rating, Deduct	*-1,798.11*	
		For Class 54 Rating, Add	*2,463.39*	
		For Class 55 Rating, Add	*3,668.10*	
		For Class 56 Rating, Add	*4,856.46*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,774.76	630.89
		For Class 52 Rating, Deduct	*-1,850.07*	
		For Class 54 Rating, Add	*2,534.30*	
		For Class 55 Rating, Add	*3,773.55*	
		For Class 56 Rating, Add	*4,995.98*	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,251.16	633.51
		For Class 52 Rating, Deduct	*-1,902.04*	
		For Class 54 Rating, Add	*2,605.21*	
		For Class 55 Rating, Add	*3,879.00*	
		For Class 56 Rating, Add	*5,135.49*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,727.56	636.12
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,676.13*	
		For Class 55 Rating, Add	*3,984.45*	
		For Class 56 Rating, Add	*5,275.00*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,203.96	638.73
		For Class 52 Rating, Deduct	*-2,005.98*	
		For Class 54 Rating, Add	*2,747.04*	
		For Class 55 Rating, Add	*4,089.89*	
		For Class 56 Rating, Add	*5,414.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,680.36	641.35
		For Class 52 Rating, Deduct	*-2,057.95*	
		For Class 54 Rating, Add	*2,817.95*	
		For Class 55 Rating, Add	*4,195.34*	
		For Class 56 Rating, Add	*5,554.03*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,156.76	643.96
		For Class 52 Rating, Deduct	*-2,109.92*	
		For Class 54 Rating, Add	*2,888.87*	
		For Class 55 Rating, Add	*4,300.79*	
		For Class 56 Rating, Add	*5,693.54*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,633.15	646.58
		For Class 52 Rating, Deduct	*-2,161.89*	
		For Class 54 Rating, Add	*2,959.78*	
		For Class 55 Rating, Add	*4,406.24*	
		For Class 56 Rating, Add	*5,833.05*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,109.55	649.18
		For Class 52 Rating, Deduct	*-2,213.85*	
		For Class 54 Rating, Add	*3,030.69*	
		For Class 55 Rating, Add	*4,511.69*	
		For Class 56 Rating, Add	*5,972.56*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,585.95	651.80
		For Class 52 Rating, Deduct	*-2,265.82*	
		For Class 54 Rating, Add	*3,101.61*	
		For Class 55 Rating, Add	*4,617.14*	
		For Class 56 Rating, Add	*6,112.07*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,062.35	654.42
		For Class 52 Rating, Deduct	*-2,317.79*	
		For Class 54 Rating, Add	*3,172.52*	
		For Class 55 Rating, Add	*4,722.59*	
		For Class 56 Rating, Add	*6,251.59*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,538.75	657.02
		For Class 52 Rating, Deduct	*-2,369.76*	
		For Class 54 Rating, Add	*3,243.43*	
		For Class 55 Rating, Add	*4,828.04*	
		For Class 56 Rating, Add	*6,391.10*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,015.15	659.64
		For Class 52 Rating, Deduct	*-2,421.73*	
		For Class 54 Rating, Add	*3,314.35*	
		For Class 55 Rating, Add	*4,933.49*	
		For Class 56 Rating, Add	*6,530.61*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,491.56	662.25
		For Class 52 Rating, Deduct	*-2,473.70*	
		For Class 54 Rating, Add	*3,385.26*	
		For Class 55 Rating, Add	*5,038.94*	
		For Class 56 Rating, Add	*6,670.12*	
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,883.57	645.53
		For Class 52 Rating, Deduct	*-649.61*	
		For Class 54 Rating, Add	*897.56*	
		For Class 55 Rating, Add	*1,340.40*	
		For Class 56 Rating, Add	*1,777.33*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,426.11	648.14
		For Class 52 Rating, Deduct	*-708.85*	
		For Class 54 Rating, Add	*978.40*	
		For Class 55 Rating, Add	*1,460.60*	
		For Class 56 Rating, Add	*1,936.36*	
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,968.65	650.75
		For Class 52 Rating, Deduct	*-768.09*	
		For Class 54 Rating, Add	*1,059.23*	
		For Class 55 Rating, Add	*1,580.80*	
		For Class 56 Rating, Add	*2,095.38*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,511.19	653.37
		For Class 52 Rating, Deduct	*-827.34*	
		For Class 54 Rating, Add	*1,140.07*	
		For Class 55 Rating, Add	*1,701.00*	
		For Class 56 Rating, Add	*2,254.40*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,053.74	655.99
		For Class 52 Rating, Deduct	*-886.58*	
		For Class 54 Rating, Add	*1,220.90*	
		For Class 55 Rating, Add	*1,821.20*	
		For Class 56 Rating, Add	*2,413.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,596.28	658.59
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,301.74*	
		For Class 55 Rating, Add	*1,941.39*	
		For Class 56 Rating, Add	*2,572.45*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,138.82	661.21
		For Class 52 Rating, Deduct	*-1,005.07*	
		For Class 54 Rating, Add	*1,382.57*	
		For Class 55 Rating, Add	*2,061.59*	
		For Class 56 Rating, Add	*2,731.48*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,681.36	663.82
		For Class 52 Rating, Deduct	*-1,064.31*	
		For Class 54 Rating, Add	*1,463.40*	
		For Class 55 Rating, Add	*2,181.79*	
		For Class 56 Rating, Add	*2,890.50*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,223.90	666.43
		For Class 52 Rating, Deduct	*-1,123.56*	
		For Class 54 Rating, Add	*1,544.24*	
		For Class 55 Rating, Add	*2,301.99*	
		For Class 56 Rating, Add	*3,049.53*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,766.44	669.05
		For Class 52 Rating, Deduct	*-1,182.80*	
		For Class 54 Rating, Add	*1,625.07*	
		For Class 55 Rating, Add	*2,422.19*	
		For Class 56 Rating, Add	*3,208.55*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,308.99	671.66
		For Class 52 Rating, Deduct	*-1,242.05*	
		For Class 54 Rating, Add	*1,705.91*	
		For Class 55 Rating, Add	*2,542.39*	
		For Class 56 Rating, Add	*3,367.58*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,851.54	674.28
		For Class 52 Rating, Deduct	*-1,301.29*	
		For Class 54 Rating, Add	*1,786.74*	
		For Class 55 Rating, Add	*2,662.59*	
		For Class 56 Rating, Add	*3,526.60*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,394.07	676.89
		For Class 52 Rating, Deduct	*-1,360.53*	
		For Class 54 Rating, Add	*1,867.58*	
		For Class 55 Rating, Add	*2,782.79*	
		For Class 56 Rating, Add	*3,685.62*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,936.61	679.50
		For Class 52 Rating, Deduct	*-1,419.78*	
		For Class 54 Rating, Add	*1,948.41*	
		For Class 55 Rating, Add	*2,902.98*	
		For Class 56 Rating, Add	*3,844.65*	
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,479.15	682.12
		For Class 52 Rating, Deduct	*-1,479.02*	
		For Class 54 Rating, Add	*2,029.25*	
		For Class 55 Rating, Add	*3,023.18*	
		For Class 56 Rating, Add	*4,003.67*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,021.69	684.73
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,110.08*	
		For Class 55 Rating, Add	*3,143.38*	
		For Class 56 Rating, Add	*4,162.69*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,564.24	687.34
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,190.92*	
		For Class 55 Rating, Add	*3,263.58*	
		For Class 56 Rating, Add	*4,321.72*	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,106.78	689.96
		For Class 52 Rating, Deduct	*-1,656.75*	
		For Class 54 Rating, Add	*2,271.75*	
		For Class 55 Rating, Add	*3,383.78*	
		For Class 56 Rating, Add	*4,480.74*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,649.32	692.57
		For Class 52 Rating, Deduct	*-1,716.00*	
		For Class 54 Rating, Add	*2,352.59*	
		For Class 55 Rating, Add	*3,503.98*	
		For Class 56 Rating, Add	*4,639.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,191.86	695.19
		For Class 52 Rating, Deduct	*-1,775.24*	
		For Class 54 Rating, Add	*2,433.42*	
		For Class 55 Rating, Add	*3,624.18*	
		For Class 56 Rating, Add	*4,798.79*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,734.40	697.79
		For Class 52 Rating, Deduct	*-1,834.48*	
		For Class 54 Rating, Add	*2,514.26*	
		For Class 55 Rating, Add	*3,744.37*	
		For Class 56 Rating, Add	*4,957.82*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,276.94	700.41
		For Class 52 Rating, Deduct	*-1,893.73*	
		For Class 54 Rating, Add	*2,595.09*	
		For Class 55 Rating, Add	*3,864.57*	
		For Class 56 Rating, Add	*5,116.84*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,819.49	703.03
		For Class 52 Rating, Deduct	*-1,952.97*	
		For Class 54 Rating, Add	*2,675.93*	
		For Class 55 Rating, Add	*3,984.77*	
		For Class 56 Rating, Add	*5,275.87*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,362.03	705.64
		For Class 52 Rating, Deduct	*-2,012.22*	
		For Class 54 Rating, Add	*2,756.76*	
		For Class 55 Rating, Add	*4,104.97*	
		For Class 56 Rating, Add	*5,434.89*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,904.57	708.25
		For Class 52 Rating, Deduct	*-2,071.46*	
		For Class 54 Rating, Add	*2,837.60*	
		For Class 55 Rating, Add	*4,225.17*	
		For Class 56 Rating, Add	*5,593.91*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,447.11	710.86
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,918.43*	
		For Class 55 Rating, Add	*4,345.37*	
		For Class 56 Rating, Add	*5,752.94*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,989.64	713.48
		For Class 52 Rating, Deduct	*-2,189.95*	
		For Class 54 Rating, Add	*2,999.27*	
		For Class 55 Rating, Add	*4,465.57*	
		For Class 56 Rating, Add	*5,911.96*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,532.18	716.09
		For Class 52 Rating, Deduct	*-2,249.19*	
		For Class 54 Rating, Add	*3,080.10*	
		For Class 55 Rating, Add	*4,585.77*	
		For Class 56 Rating, Add	*6,070.98*	
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,074.72	718.70
		For Class 52 Rating, Deduct	*-2,308.44*	
		For Class 54 Rating, Add	*3,160.93*	
		For Class 55 Rating, Add	*4,705.96*	
		For Class 56 Rating, Add	*6,230.01*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,617.27	721.32
		For Class 52 Rating, Deduct	*-2,367.68*	
		For Class 54 Rating, Add	*3,241.77*	
		For Class 55 Rating, Add	*4,826.16*	
		For Class 56 Rating, Add	*6,389.03*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,159.81	723.94
		For Class 52 Rating, Deduct	*-2,426.92*	
		For Class 54 Rating, Add	*3,322.60*	
		For Class 55 Rating, Add	*4,946.36*	
		For Class 56 Rating, Add	*6,548.06*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,702.36	726.54
		For Class 52 Rating, Deduct	*-2,486.17*	
		For Class 54 Rating, Add	*3,403.44*	
		For Class 55 Rating, Add	*5,066.56*	
		For Class 56 Rating, Add	*6,707.08*	
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,244.90	729.16
		For Class 52 Rating, Deduct	*-2,545.41*	
		For Class 54 Rating, Add	*3,484.27*	
		For Class 55 Rating, Add	*5,186.76*	
		For Class 56 Rating, Add	*6,866.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,787.44	731.77
		For Class 52 Rating, Deduct	*-2,604.66*	
		For Class 54 Rating, Add	*3,565.11*	
		For Class 55 Rating, Add	*5,306.96*	
		For Class 56 Rating, Add	*7,025.13*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,329.98	734.39
		For Class 52 Rating, Deduct	*-2,663.90*	
		For Class 54 Rating, Add	*3,645.94*	
		For Class 55 Rating, Add	*5,427.16*	
		For Class 56 Rating, Add	*7,184.15*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,872.53	737.00
		For Class 52 Rating, Deduct	*-2,723.14*	
		For Class 54 Rating, Add	*3,726.78*	
		For Class 55 Rating, Add	*5,547.36*	
		For Class 56 Rating, Add	*7,343.18*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,415.07	739.61
		For Class 52 Rating, Deduct	*-2,782.39*	
		For Class 54 Rating, Add	*3,807.61*	
		For Class 55 Rating, Add	*5,667.56*	
		For Class 56 Rating, Add	*7,502.20*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,957.61	742.23
		For Class 52 Rating, Deduct	*-2,841.63*	
		For Class 54 Rating, Add	*3,888.45*	
		For Class 55 Rating, Add	*5,787.75*	
		For Class 56 Rating, Add	*7,661.23*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,526.32	763.14
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,119.38*	
		For Class 55 Rating, Add	*1,671.27*	
		For Class 56 Rating, Add	*2,215.79*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,198.00	765.74
		For Class 52 Rating, Deduct	*-884.16*	
		For Class 54 Rating, Add	*1,219.59*	
		For Class 55 Rating, Add	*1,820.27*	
		For Class 56 Rating, Add	*2,412.91*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,869.67	768.36
		For Class 52 Rating, Deduct	*-957.60*	
		For Class 54 Rating, Add	*1,319.79*	
		For Class 55 Rating, Add	*1,969.26*	
		For Class 56 Rating, Add	*2,610.03*	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,541.35	770.98
		For Class 52 Rating, Deduct	*-1,031.05*	
		For Class 54 Rating, Add	*1,420.00*	
		For Class 55 Rating, Add	*2,118.26*	
		For Class 56 Rating, Add	*2,807.15*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,213.02	773.59
		For Class 52 Rating, Deduct	*-1,104.50*	
		For Class 54 Rating, Add	*1,520.20*	
		For Class 55 Rating, Add	*2,267.26*	
		For Class 56 Rating, Add	*3,004.27*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,884.70	776.20
		For Class 52 Rating, Deduct	*-1,177.95*	
		For Class 54 Rating, Add	*1,620.41*	
		For Class 55 Rating, Add	*2,416.25*	
		For Class 56 Rating, Add	*3,201.39*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,556.38	778.81
		For Class 52 Rating, Deduct	*-1,251.40*	
		For Class 54 Rating, Add	*1,720.61*	
		For Class 55 Rating, Add	*2,565.25*	
		For Class 56 Rating, Add	*3,398.51*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,228.06	781.43
		For Class 52 Rating, Deduct	*-1,324.85*	
		For Class 54 Rating, Add	*1,820.82*	
		For Class 55 Rating, Add	*2,714.24*	
		For Class 56 Rating, Add	*3,595.62*	
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,899.74	784.05
		For Class 52 Rating, Deduct	*-1,398.30*	
		For Class 54 Rating, Add	*1,921.02*	
		For Class 55 Rating, Add	*2,863.24*	
		For Class 56 Rating, Add	*3,792.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,571.41	786.65
		For Class 52 Rating, Deduct	*-1,471.75*	
		For Class 54 Rating, Add	*2,021.23*	
		For Class 55 Rating, Add	*3,012.23*	
		For Class 56 Rating, Add	*3,989.86*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,243.09	789.27
		For Class 52 Rating, Deduct	*-1,545.19*	
		For Class 54 Rating, Add	*2,121.43*	
		For Class 55 Rating, Add	*3,161.23*	
		For Class 56 Rating, Add	*4,186.98*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,914.75	791.88
		For Class 52 Rating, Deduct	*-1,618.64*	
		For Class 54 Rating, Add	*2,221.64*	
		For Class 55 Rating, Add	*3,310.23*	
		For Class 56 Rating, Add	*4,384.10*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,586.43	794.50
		For Class 52 Rating, Deduct	*-1,692.09*	
		For Class 54 Rating, Add	*2,321.84*	
		For Class 55 Rating, Add	*3,459.22*	
		For Class 56 Rating, Add	*4,581.22*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,258.10	797.11
		For Class 52 Rating, Deduct	*-1,765.54*	
		For Class 54 Rating, Add	*2,422.05*	
		For Class 55 Rating, Add	*3,608.22*	
		For Class 56 Rating, Add	*4,778.33*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,929.78	799.72
		For Class 52 Rating, Deduct	*-1,838.99*	
		For Class 54 Rating, Add	*2,522.25*	
		For Class 55 Rating, Add	*3,757.21*	
		For Class 56 Rating, Add	*4,975.45*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,601.45	802.34
		For Class 52 Rating, Deduct	*-1,912.44*	
		For Class 54 Rating, Add	*2,622.46*	
		For Class 55 Rating, Add	*3,906.21*	
		For Class 56 Rating, Add	*5,172.57*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,273.13	804.95
		For Class 52 Rating, Deduct	*-1,985.89*	
		For Class 54 Rating, Add	*2,722.66*	
		For Class 55 Rating, Add	*4,055.20*	
		For Class 56 Rating, Add	*5,369.69*	
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,944.80	807.56
		For Class 52 Rating, Deduct	*-2,059.33*	
		For Class 54 Rating, Add	*2,822.87*	
		For Class 55 Rating, Add	*4,204.20*	
		For Class 56 Rating, Add	*5,566.81*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,616.48	810.18
		For Class 52 Rating, Deduct	*-2,132.78*	
		For Class 54 Rating, Add	*2,923.07*	
		For Class 55 Rating, Add	*4,353.19*	
		For Class 56 Rating, Add	*5,763.93*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,288.15	812.79
		For Class 52 Rating, Deduct	*-2,206.23*	
		For Class 54 Rating, Add	*3,023.28*	
		For Class 55 Rating, Add	*4,502.19*	
		For Class 56 Rating, Add	*5,961.05*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,959.83	815.40
		For Class 52 Rating, Deduct	*-2,279.68*	
		For Class 54 Rating, Add	*3,123.48*	
		For Class 55 Rating, Add	*4,651.19*	
		For Class 56 Rating, Add	*6,158.17*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,631.50	818.02
		For Class 52 Rating, Deduct	*-2,353.13*	
		For Class 54 Rating, Add	*3,223.69*	
		For Class 55 Rating, Add	*4,800.18*	
		For Class 56 Rating, Add	*6,355.28*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,303.18	820.63
		For Class 52 Rating, Deduct	*-2,426.58*	
		For Class 54 Rating, Add	*3,323.89*	
		For Class 55 Rating, Add	*4,949.18*	
		For Class 56 Rating, Add	*6,552.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,974.85	823.25
		For Class 52 Rating, Deduct	*-2,500.03*	
		For Class 54 Rating, Add	*3,424.09*	
		For Class 55 Rating, Add	*5,098.17*	
		For Class 56 Rating, Add	*6,749.52*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,646.53	825.85
		For Class 52 Rating, Deduct	*-2,573.48*	
		For Class 54 Rating, Add	*3,524.30*	
		For Class 55 Rating, Add	*5,247.17*	
		For Class 56 Rating, Add	*6,946.64*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,318.20	828.47
		For Class 52 Rating, Deduct	*-2,646.92*	
		For Class 54 Rating, Add	*3,624.50*	
		For Class 55 Rating, Add	*5,396.16*	
		For Class 56 Rating, Add	*7,143.76*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,989.87	831.09
		For Class 52 Rating, Deduct	*-2,720.37*	
		For Class 54 Rating, Add	*3,724.71*	
		For Class 55 Rating, Add	*5,545.16*	
		For Class 56 Rating, Add	*7,340.88*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,661.54	833.70
		For Class 52 Rating, Deduct	*-2,793.82*	
		For Class 54 Rating, Add	*3,824.91*	
		For Class 55 Rating, Add	*5,694.15*	
		For Class 56 Rating, Add	*7,537.99*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,333.23	836.31
		For Class 52 Rating, Deduct	*-2,867.27*	
		For Class 54 Rating, Add	*3,925.12*	
		For Class 55 Rating, Add	*5,843.15*	
		For Class 56 Rating, Add	*7,735.11*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,072.21	883.36
		For Class 52 Rating, Deduct	*-2,940.72*	
		For Class 54 Rating, Add	*4,026.13*	
		For Class 55 Rating, Add	*5,993.76*	
		For Class 56 Rating, Add	*7,934.65*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,743.89	885.96
		For Class 52 Rating, Deduct	*-3,014.17*	
		For Class 54 Rating, Add	*4,126.34*	
		For Class 55 Rating, Add	*6,142.76*	
		For Class 56 Rating, Add	*8,131.77*	
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,415.58	888.58
		For Class 52 Rating, Deduct	*-3,087.62*	
		For Class 54 Rating, Add	*4,226.54*	
		For Class 55 Rating, Add	*6,291.75*	
		For Class 56 Rating, Add	*8,328.89*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,087.25	891.20
		For Class 52 Rating, Deduct	*-3,161.06*	
		For Class 54 Rating, Add	*4,326.75*	
		For Class 55 Rating, Add	*6,440.75*	
		For Class 56 Rating, Add	*8,526.01*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,758.93	893.80
		For Class 52 Rating, Deduct	*-3,234.51*	
		For Class 54 Rating, Add	*4,426.95*	
		For Class 55 Rating, Add	*6,589.74*	
		For Class 56 Rating, Add	*8,723.13*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,430.60	896.42
		For Class 52 Rating, Deduct	*-3,307.96*	
		For Class 54 Rating, Add	*4,527.16*	
		For Class 55 Rating, Add	*6,738.74*	
		For Class 56 Rating, Add	*8,920.25*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,102.28	899.04
		For Class 52 Rating, Deduct	*-3,381.41*	
		For Class 54 Rating, Add	*4,627.36*	
		For Class 55 Rating, Add	*6,887.73*	
		For Class 56 Rating, Add	*9,117.37*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,773.95	901.65
		For Class 52 Rating, Deduct	*-3,454.86*	
		For Class 54 Rating, Add	*4,727.57*	
		For Class 55 Rating, Add	*7,036.73*	
		For Class 56 Rating, Add	*9,314.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,445.63	904.26
		For Class 52 Rating, Deduct	*-3,528.31*	
		For Class 54 Rating, Add	*4,827.77*	
		For Class 55 Rating, Add	*7,185.73*	
		For Class 56 Rating, Add	*9,511.60*	

40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,297.56	1,076.75
		For Class 52 Rating, Deduct	*-1,283.27*	
		For Class 54 Rating, Add	*1,769.50*	
		For Class 55 Rating, Add	*2,640.70*	
		For Class 56 Rating, Add	*3,500.24*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,259.00	1,079.37
		For Class 52 Rating, Deduct	*-1,388.60*	
		For Class 54 Rating, Add	*1,913.16*	
		For Class 55 Rating, Add	*2,854.31*	
		For Class 56 Rating, Add	*3,782.84*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,220.44	1,081.97
		For Class 52 Rating, Deduct	*-1,493.92*	
		For Class 54 Rating, Add	*2,056.83*	
		For Class 55 Rating, Add	*3,067.93*	
		For Class 56 Rating, Add	*4,065.44*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,181.87	1,084.59
		For Class 52 Rating, Deduct	*-1,599.24*	
		For Class 54 Rating, Add	*2,200.50*	
		For Class 55 Rating, Add	*3,281.54*	
		For Class 56 Rating, Add	*4,348.03*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,143.31	1,087.21
		For Class 52 Rating, Deduct	*-1,704.56*	
		For Class 54 Rating, Add	*2,344.17*	
		For Class 55 Rating, Add	*3,495.15*	
		For Class 56 Rating, Add	*4,630.63*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,104.75	1,089.82
		For Class 52 Rating, Deduct	*-1,809.89*	
		For Class 54 Rating, Add	*2,487.84*	
		For Class 55 Rating, Add	*3,708.76*	
		For Class 56 Rating, Add	*4,913.23*	
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,066.19	1,092.43
		For Class 52 Rating, Deduct	*-1,915.21*	
		For Class 54 Rating, Add	*2,631.51*	
		For Class 55 Rating, Add	*3,922.38*	
		For Class 56 Rating, Add	*5,195.83*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,027.63	1,095.04
		For Class 52 Rating, Deduct	*-2,020.53*	
		For Class 54 Rating, Add	*2,775.18*	
		For Class 55 Rating, Add	*4,135.99*	
		For Class 56 Rating, Add	*5,478.43*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,989.07	1,097.66
		For Class 52 Rating, Deduct	*-2,125.85*	
		For Class 54 Rating, Add	*2,918.85*	
		For Class 55 Rating, Add	*4,349.60*	
		For Class 56 Rating, Add	*5,761.03*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,950.49	1,100.28
		For Class 52 Rating, Deduct	*-2,231.18*	
		For Class 54 Rating, Add	*3,062.52*	
		For Class 55 Rating, Add	*4,563.21*	
		For Class 56 Rating, Add	*6,043.62*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,911.93	1,102.88
		For Class 52 Rating, Deduct	*-2,336.50*	
		For Class 54 Rating, Add	*3,206.19*	
		For Class 55 Rating, Add	*4,776.83*	
		For Class 56 Rating, Add	*6,326.22*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,873.38	1,105.50
		For Class 52 Rating, Deduct	*-2,441.82*	
		For Class 54 Rating, Add	*3,349.86*	
		For Class 55 Rating, Add	*4,990.44*	
		For Class 56 Rating, Add	*6,608.82*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,834.82	1,108.12
		For Class 52 Rating, Deduct	*-2,547.14*	
		For Class 54 Rating, Add	*3,493.53*	
		For Class 55 Rating, Add	*5,204.05*	
		For Class 56 Rating, Add	*6,891.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,796.26	1,110.72
		For Class 52 Rating, Deduct	*-2,652.47*	
		For Class 54 Rating, Add	*3,637.20*	
		For Class 55 Rating, Add	*5,417.66*	
		For Class 56 Rating, Add	*7,174.02*	
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,757.70	1,113.34
		For Class 52 Rating, Deduct	*-2,757.79*	
		For Class 54 Rating, Add	*3,780.87*	
		For Class 55 Rating, Add	*5,631.28*	
		For Class 56 Rating, Add	*7,456.62*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,719.13	1,115.95
		For Class 52 Rating, Deduct	*-2,863.11*	
		For Class 54 Rating, Add	*3,924.53*	
		For Class 55 Rating, Add	*5,844.89*	
		For Class 56 Rating, Add	*7,739.22*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,680.57	1,118.57
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,068.20*	
		For Class 55 Rating, Add	*6,058.50*	
		For Class 56 Rating, Add	*8,021.81*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,642.01	1,121.18
		For Class 52 Rating, Deduct	*-3,073.76*	
		For Class 54 Rating, Add	*4,211.87*	
		For Class 55 Rating, Add	*6,272.11*	
		For Class 56 Rating, Add	*8,304.41*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,603.45	1,123.79
		For Class 52 Rating, Deduct	*-3,179.08*	
		For Class 54 Rating, Add	*4,355.54*	
		For Class 55 Rating, Add	*6,485.73*	
		For Class 56 Rating, Add	*8,587.01*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,564.89	1,126.41
		For Class 52 Rating, Deduct	*-3,284.40*	
		For Class 54 Rating, Add	*4,499.21*	
		For Class 55 Rating, Add	*6,699.34*	
		For Class 56 Rating, Add	*8,869.61*	
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,526.33	1,129.02
		For Class 52 Rating, Deduct	*-3,389.73*	
		For Class 54 Rating, Add	*4,642.88*	
		For Class 55 Rating, Add	*6,912.95*	
		For Class 56 Rating, Add	*9,152.21*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,487.76	1,131.63
		For Class 52 Rating, Deduct	*-3,495.05*	
		For Class 54 Rating, Add	*4,786.55*	
		For Class 55 Rating, Add	*7,126.57*	
		For Class 56 Rating, Add	*9,434.81*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,449.20	1,134.25
		For Class 52 Rating, Deduct	*-3,600.37*	
		For Class 54 Rating, Add	*4,930.22*	
		For Class 55 Rating, Add	*7,340.18*	
		For Class 56 Rating, Add	*9,717.41*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,410.64	1,136.86
		For Class 52 Rating, Deduct	*-3,705.69*	
		For Class 54 Rating, Add	*5,073.89*	
		For Class 55 Rating, Add	*7,553.79*	
		For Class 56 Rating, Add	*10,000.01*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,372.07	1,139.48
		For Class 52 Rating, Deduct	*-3,811.02*	
		For Class 54 Rating, Add	*5,217.56*	
		For Class 55 Rating, Add	*7,767.40*	
		For Class 56 Rating, Add	*10,282.60*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,333.51	1,142.08
		For Class 52 Rating, Deduct	*-3,916.34*	
		For Class 54 Rating, Add	*5,361.23*	
		For Class 55 Rating, Add	*7,981.02*	
		For Class 56 Rating, Add	*10,565.20*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,294.95	1,144.70
		For Class 52 Rating, Deduct	*-4,021.66*	
		For Class 54 Rating, Add	*5,504.90*	
		For Class 55 Rating, Add	*8,194.63*	
		For Class 56 Rating, Add	*10,847.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,256.39	1,147.32
		For Class 52 Rating, Deduct	*-4,126.98*	
		For Class 54 Rating, Add	*5,648.57*	
		For Class 55 Rating, Add	*8,408.24*	
		For Class 56 Rating, Add	*11,130.40*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,217.82	1,149.93
		For Class 52 Rating, Deduct	*-4,232.31*	
		For Class 54 Rating, Add	*5,792.23*	
		For Class 55 Rating, Add	*8,621.85*	
		For Class 56 Rating, Add	*11,413.00*	
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,179.26	1,152.54
		For Class 52 Rating, Deduct	*-4,337.63*	
		For Class 54 Rating, Add	*5,935.90*	
		For Class 55 Rating, Add	*8,835.47*	
		For Class 56 Rating, Add	*11,695.60*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,140.70	1,155.16
		For Class 52 Rating, Deduct	*-4,442.95*	
		For Class 54 Rating, Add	*6,079.57*	
		For Class 55 Rating, Add	*9,049.08*	
		For Class 56 Rating, Add	*11,978.20*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,102.15	1,157.77
		For Class 52 Rating, Deduct	*-4,548.27*	
		For Class 54 Rating, Add	*6,223.24*	
		For Class 55 Rating, Add	*9,262.69*	
		For Class 56 Rating, Add	*12,260.80*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,063.59	1,160.38
		For Class 52 Rating, Deduct	*-4,653.60*	
		For Class 54 Rating, Add	*6,366.91*	
		For Class 55 Rating, Add	*9,476.31*	
		For Class 56 Rating, Add	*12,543.40*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,025.03	1,162.99
		For Class 52 Rating, Deduct	*-4,758.92*	
		For Class 54 Rating, Add	*6,510.58*	
		For Class 55 Rating, Add	*9,689.92*	
		For Class 56 Rating, Add	*12,825.99*	
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,986.46	1,165.61
		For Class 52 Rating, Deduct	*-4,864.24*	
		For Class 54 Rating, Add	*6,654.25*	
		For Class 55 Rating, Add	*9,903.53*	
		For Class 56 Rating, Add	*13,108.59*	
40 05 19 00-2506		36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,700.06	1,364.23
		For Class 52 Rating, Deduct	*-1,829.63*	
		For Class 54 Rating, Add	*2,519.76*	
		For Class 55 Rating, Add	*3,758.78*	
		For Class 56 Rating, Add	*4,981.16*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,989.05	1,366.85
		For Class 52 Rating, Deduct	*-1,970.99*	
		For Class 54 Rating, Add	*2,712.56*	
		For Class 55 Rating, Add	*4,045.43*	
		For Class 56 Rating, Add	*5,360.39*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,278.04	1,369.46
		For Class 52 Rating, Deduct	*-2,112.34*	
		For Class 54 Rating, Add	*2,905.37*	
		For Class 55 Rating, Add	*4,332.09*	
		For Class 56 Rating, Add	*5,739.61*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,567.04	1,372.07
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,098.17*	
		For Class 55 Rating, Add	*4,618.75*	
		For Class 56 Rating, Add	*6,118.84*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,856.04	1,374.69
		For Class 52 Rating, Deduct	*-2,395.05*	
		For Class 54 Rating, Add	*3,290.97*	
		For Class 55 Rating, Add	*4,905.41*	
		For Class 56 Rating, Add	*6,498.07*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,145.04	1,377.30
		For Class 52 Rating, Deduct	*-2,536.40*	
		For Class 54 Rating, Add	*3,483.77*	
		For Class 55 Rating, Add	*5,192.07*	
		For Class 56 Rating, Add	*6,877.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,434.04	1,379.91
		For Class 52 Rating, Deduct	*-2,677.76*	
		For Class 54 Rating, Add	*3,676.58*	
		For Class 55 Rating, Add	*5,478.73*	
		For Class 56 Rating, Add	*7,256.53*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,723.04	1,382.53
		For Class 52 Rating, Deduct	*-2,819.11*	
		For Class 54 Rating, Add	*3,869.38*	
		For Class 55 Rating, Add	*5,765.38*	
		For Class 56 Rating, Add	*7,635.76*	
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,012.03	1,385.14
		For Class 52 Rating, Deduct	*-2,960.47*	
		For Class 54 Rating, Add	*4,062.18*	
		For Class 55 Rating, Add	*6,052.04*	
		For Class 56 Rating, Add	*8,014.99*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,301.03	1,387.75
		For Class 52 Rating, Deduct	*-3,101.82*	
		For Class 54 Rating, Add	*4,254.99*	
		For Class 55 Rating, Add	*6,338.70*	
		For Class 56 Rating, Add	*8,394.21*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,590.03	1,390.37
		For Class 52 Rating, Deduct	*-3,243.18*	
		For Class 54 Rating, Add	*4,447.79*	
		For Class 55 Rating, Add	*6,625.36*	
		For Class 56 Rating, Add	*8,773.44*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,879.02	1,392.98
		For Class 52 Rating, Deduct	*-3,384.53*	
		For Class 54 Rating, Add	*4,640.59*	
		For Class 55 Rating, Add	*6,912.02*	
		For Class 56 Rating, Add	*9,152.67*	
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,168.02	1,395.60
		For Class 52 Rating, Deduct	*-3,525.88*	
		For Class 54 Rating, Add	*4,833.40*	
		For Class 55 Rating, Add	*7,198.68*	
		For Class 56 Rating, Add	*9,531.90*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,457.02	1,398.20
		For Class 52 Rating, Deduct	*-3,667.24*	
		For Class 54 Rating, Add	*5,026.20*	
		For Class 55 Rating, Add	*7,485.33*	
		For Class 56 Rating, Add	*9,911.13*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,746.01	1,400.82
		For Class 52 Rating, Deduct	*-3,808.59*	
		For Class 54 Rating, Add	*5,219.00*	
		For Class 55 Rating, Add	*7,771.99*	
		For Class 56 Rating, Add	*10,290.36*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,035.01	1,403.44
		For Class 52 Rating, Deduct	*-3,949.94*	
		For Class 54 Rating, Add	*5,411.81*	
		For Class 55 Rating, Add	*8,058.65*	
		For Class 56 Rating, Add	*10,669.59*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,324.01	1,406.05
		For Class 52 Rating, Deduct	*-4,091.30*	
		For Class 54 Rating, Add	*5,604.61*	
		For Class 55 Rating, Add	*8,345.31*	
		For Class 56 Rating, Add	*11,048.81*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,612.99	1,408.66
		For Class 52 Rating, Deduct	*-4,232.65*	
		For Class 54 Rating, Add	*5,797.41*	
		For Class 55 Rating, Add	*8,631.97*	
		For Class 56 Rating, Add	*11,428.04*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,901.99	1,411.28
		For Class 52 Rating, Deduct	*-4,374.01*	
		For Class 54 Rating, Add	*5,990.21*	
		For Class 55 Rating, Add	*8,918.62*	
		For Class 56 Rating, Add	*11,807.27*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,190.99	1,413.89
		For Class 52 Rating, Deduct	*-4,515.36*	
		For Class 54 Rating, Add	*6,183.02*	
		For Class 55 Rating, Add	*9,205.28*	
		For Class 56 Rating, Add	*12,186.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,479.98	1,416.51
		For Class 52 Rating, Deduct	*-4,656.71*	
		For Class 54 Rating, Add	*6,375.82*	
		For Class 55 Rating, Add	*9,491.94*	
		For Class 56 Rating, Add	*12,565.73*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,768.98	1,419.11
		For Class 52 Rating, Deduct	*-4,798.07*	
		For Class 54 Rating, Add	*6,568.62*	
		For Class 55 Rating, Add	*9,778.60*	
		For Class 56 Rating, Add	*12,944.96*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,057.98	1,421.73
		For Class 52 Rating, Deduct	*-4,939.42*	
		For Class 54 Rating, Add	*6,761.43*	
		For Class 55 Rating, Add	*10,065.26*	
		For Class 56 Rating, Add	*13,324.18*	
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,346.97	1,424.35
		For Class 52 Rating, Deduct	*-5,080.78*	
		For Class 54 Rating, Add	*6,954.23*	
		For Class 55 Rating, Add	*10,351.91*	
		For Class 56 Rating, Add	*13,703.41*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,635.98	1,426.95
		For Class 52 Rating, Deduct	*-5,222.13*	
		For Class 54 Rating, Add	*7,147.03*	
		For Class 55 Rating, Add	*10,638.57*	
		For Class 56 Rating, Add	*14,082.64*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,924.98	1,429.57
		For Class 52 Rating, Deduct	*-5,363.49*	
		For Class 54 Rating, Add	*7,339.84*	
		For Class 55 Rating, Add	*10,925.23*	
		For Class 56 Rating, Add	*14,461.87*	
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,213.97	1,432.18
		For Class 52 Rating, Deduct	*-5,504.84*	
		For Class 54 Rating, Add	*7,532.64*	
		For Class 55 Rating, Add	*11,211.89*	
		For Class 56 Rating, Add	*14,841.10*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,502.97	1,434.80
		For Class 52 Rating, Deduct	*-5,646.19*	
		For Class 54 Rating, Add	*7,725.44*	
		For Class 55 Rating, Add	*11,498.55*	
		For Class 56 Rating, Add	*15,220.33*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,791.97	1,437.41
		For Class 52 Rating, Deduct	*-5,787.55*	
		For Class 54 Rating, Add	*7,918.25*	
		For Class 55 Rating, Add	*11,785.21*	
		For Class 56 Rating, Add	*15,599.56*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,080.96	1,440.02
		For Class 52 Rating, Deduct	*-5,928.90*	
		For Class 54 Rating, Add	*8,111.05*	
		For Class 55 Rating, Add	*12,071.86*	
		For Class 56 Rating, Add	*15,978.78*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,369.96	1,442.64
		For Class 52 Rating, Deduct	*-6,070.26*	
		For Class 54 Rating, Add	*8,303.85*	
		For Class 55 Rating, Add	*12,358.52*	
		For Class 56 Rating, Add	*16,358.01*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,658.96	1,445.25
		For Class 52 Rating, Deduct	*-6,211.61*	
		For Class 54 Rating, Add	*8,496.65*	
		For Class 55 Rating, Add	*12,645.18*	
		For Class 56 Rating, Add	*16,737.24*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,947.95	1,447.86
		For Class 52 Rating, Deduct	*-6,352.96*	
		For Class 54 Rating, Add	*8,689.46*	
		For Class 55 Rating, Add	*12,931.84*	
		For Class 56 Rating, Add	*17,116.47*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,236.94	1,450.48
		For Class 52 Rating, Deduct	*-6,494.32*	
		For Class 54 Rating, Add	*8,882.26*	
		For Class 55 Rating, Add	*13,218.50*	
		For Class 56 Rating, Add	*17,495.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,525.94	1,453.09
		For Class 52 Rating, Deduct	*-6,635.67*	
		For Class 54 Rating, Add	*9,075.06*	
		For Class 55 Rating, Add	*13,505.16*	
		For Class 56 Rating, Add	*17,874.92*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,794.48	1,719.67
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,359.61*	
		For Class 55 Rating, Add	*5,010.66*	
		For Class 56 Rating, Add	*6,639.53*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,688.20	1,722.28
		For Class 52 Rating, Deduct	*-2,648.66*	
		For Class 54 Rating, Add	*3,643.12*	
		For Class 55 Rating, Add	*5,432.18*	
		For Class 56 Rating, Add	*7,197.16*	
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,566.17	1,724.89
		For Class 52 Rating, Deduct	*-2,854.80*	
		For Class 54 Rating, Add	*3,924.27*	
		For Class 55 Rating, Add	*5,850.18*	
		For Class 56 Rating, Add	*7,750.13*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,463.04	1,727.51
		For Class 52 Rating, Deduct	*-3,063.02*	
		For Class 54 Rating, Add	*4,208.25*	
		For Class 55 Rating, Add	*6,272.39*	
		For Class 56 Rating, Add	*8,308.68*	
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,347.31	1,730.12
		For Class 52 Rating, Deduct	*-3,269.85*	
		For Class 54 Rating, Add	*4,490.34*	
		For Class 55 Rating, Add	*6,691.79*	
		For Class 56 Rating, Add	*8,863.52*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,250.48	1,732.73
		For Class 52 Rating, Deduct	*-3,478.76*	
		For Class 54 Rating, Add	*4,775.27*	
		For Class 55 Rating, Add	*7,115.41*	
		For Class 56 Rating, Add	*9,423.93*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,134.75	1,735.34
		For Class 52 Rating, Deduct	*-3,685.60*	
		For Class 54 Rating, Add	*5,057.37*	
		For Class 55 Rating, Add	*7,534.82*	
		For Class 56 Rating, Add	*9,978.76*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,041.07	1,737.96
		For Class 52 Rating, Deduct	*-3,894.86*	
		For Class 54 Rating, Add	*5,342.77*	
		For Class 55 Rating, Add	*7,959.14*	
		For Class 56 Rating, Add	*10,540.10*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,931.64	1,740.58
		For Class 52 Rating, Deduct	*-4,102.39*	
		For Class 54 Rating, Add	*5,625.81*	
		For Class 55 Rating, Add	*8,379.95*	
		For Class 56 Rating, Add	*11,096.79*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,837.96	1,743.18
		For Class 52 Rating, Deduct	*-4,311.64*	
		For Class 54 Rating, Add	*5,911.21*	
		For Class 55 Rating, Add	*8,804.27*	
		For Class 56 Rating, Add	*11,658.13*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,728.53	1,745.80
		For Class 52 Rating, Deduct	*-4,519.17*	
		For Class 54 Rating, Add	*6,194.25*	
		For Class 55 Rating, Add	*9,225.08*	
		For Class 56 Rating, Add	*12,214.82*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,638.00	1,748.41
		For Class 52 Rating, Deduct	*-4,728.78*	
		For Class 54 Rating, Add	*6,480.12*	
		For Class 55 Rating, Add	*9,650.10*	
		For Class 56 Rating, Add	*12,777.09*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,528.58	1,751.03
		For Class 52 Rating, Deduct	*-4,936.31*	
		For Class 54 Rating, Add	*6,763.16*	
		For Class 55 Rating, Add	*10,070.91*	
		For Class 56 Rating, Add	*13,333.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,425.45	1,753.64
		For Class 52 Rating, Deduct	*-5,144.53*	
		For Class 54 Rating, Add	*7,047.15*	
		For Class 55 Rating, Add	*10,493.12*	
		For Class 56 Rating, Add	*13,892.33*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,331.76	1,756.25
		For Class 52 Rating, Deduct	*-5,353.78*	
		For Class 54 Rating, Add	*7,332.55*	
		For Class 55 Rating, Add	*10,917.45*	
		For Class 56 Rating, Add	*14,453.67*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,225.48	1,758.87
		For Class 52 Rating, Deduct	*-5,561.66*	
		For Class 54 Rating, Add	*7,616.06*	
		For Class 55 Rating, Add	*11,338.96*	
		For Class 56 Rating, Add	*15,011.29*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,141.25	1,761.49
		For Class 52 Rating, Deduct	*-5,771.96*	
		For Class 54 Rating, Add	*7,902.88*	
		For Class 55 Rating, Add	*11,765.39*	
		For Class 56 Rating, Add	*15,575.42*	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,038.12	1,764.09
		For Class 52 Rating, Deduct	*-5,980.18*	
		For Class 54 Rating, Add	*8,186.86*	
		For Class 55 Rating, Add	*12,187.60*	
		For Class 56 Rating, Add	*16,133.97*	
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,950.73	1,766.71
		For Class 52 Rating, Deduct	*-6,190.13*	
		For Class 54 Rating, Add	*8,473.21*	
		For Class 55 Rating, Add	*12,613.32*	
		For Class 56 Rating, Add	*16,697.17*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,844.45	1,769.32
		For Class 52 Rating, Deduct	*-6,398.00*	
		For Class 54 Rating, Add	*8,756.72*	
		For Class 55 Rating, Add	*13,034.84*	
		For Class 56 Rating, Add	*17,254.79*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,763.37	1,771.94
		For Class 52 Rating, Deduct	*-6,608.65*	
		For Class 54 Rating, Add	*9,044.01*	
		For Class 55 Rating, Add	*13,461.97*	
		For Class 56 Rating, Add	*17,819.84*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,660.24	1,774.55
		For Class 52 Rating, Deduct	*-6,816.87*	
		For Class 54 Rating, Add	*9,327.99*	
		For Class 55 Rating, Add	*13,884.18*	
		For Class 56 Rating, Add	*18,378.39*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,572.86	1,777.16
		For Class 52 Rating, Deduct	*-7,026.82*	
		For Class 54 Rating, Add	*9,614.34*	
		For Class 55 Rating, Add	*14,309.91*	
		For Class 56 Rating, Add	*18,941.59*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,469.73	1,779.78
		For Class 52 Rating, Deduct	*-7,235.04*	
		For Class 54 Rating, Add	*9,898.32*	
		For Class 55 Rating, Add	*14,732.12*	
		For Class 56 Rating, Add	*19,500.14*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,388.64	1,782.38
		For Class 52 Rating, Deduct	*-7,445.69*	
		For Class 54 Rating, Add	*10,185.61*	
		For Class 55 Rating, Add	*15,159.25*	
		For Class 56 Rating, Add	*20,065.20*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,285.51	1,785.00
		For Class 52 Rating, Deduct	*-7,653.91*	
		For Class 54 Rating, Add	*10,469.60*	
		For Class 55 Rating, Add	*15,581.46*	
		For Class 56 Rating, Add	*20,623.75*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,198.13	1,787.62
		For Class 52 Rating, Deduct	*-7,863.86*	
		For Class 54 Rating, Add	*10,755.95*	
		For Class 55 Rating, Add	*16,007.19*	
		For Class 56 Rating, Add	*21,186.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,098.15	1,790.23
		For Class 52 Rating, Deduct	*-8,072.42*	
		For Class 54 Rating, Add	*11,040.40*	
		For Class 55 Rating, Add	*16,430.11*	
		For Class 56 Rating, Add	*21,746.42*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,635.97	1,792.84
		For Class 52 Rating, Deduct	*-8,241.15*	
		For Class 54 Rating, Add	*11,270.53*	
		For Class 55 Rating, Add	*16,772.25*	
		For Class 56 Rating, Add	*22,199.06*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,913.93	1,795.45
		For Class 52 Rating, Deduct	*-8,491.29*	
		For Class 54 Rating, Add	*11,611.68*	
		For Class 55 Rating, Add	*17,279.45*	
		For Class 56 Rating, Add	*22,870.03*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,810.80	1,798.07
		For Class 52 Rating, Deduct	*-8,699.51*	
		For Class 54 Rating, Add	*11,895.66*	
		For Class 55 Rating, Add	*17,701.66*	
		For Class 56 Rating, Add	*23,428.58*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,726.56	1,800.69
		For Class 52 Rating, Deduct	*-8,909.81*	
		For Class 54 Rating, Add	*12,182.48*	
		For Class 55 Rating, Add	*18,128.09*	
		For Class 56 Rating, Add	*23,992.71*	
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,626.59	1,803.29
		For Class 52 Rating, Deduct	*-9,118.38*	
		For Class 54 Rating, Add	*12,466.94*	
		For Class 55 Rating, Add	*18,551.01*	
		For Class 56 Rating, Add	*24,552.19*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,545.51	1,805.91
		For Class 52 Rating, Deduct	*-9,329.02*	
		For Class 54 Rating, Add	*12,754.23*	
		For Class 55 Rating, Add	*18,978.14*	
		For Class 56 Rating, Add	*25,117.24*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,439.23	1,808.53
		For Class 52 Rating, Deduct	*-9,536.89*	
		For Class 54 Rating, Add	*13,037.74*	
		For Class 55 Rating, Add	*19,399.65*	
		For Class 56 Rating, Add	*25,674.86*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,095.18	2,161.34
		For Class 52 Rating, Deduct	*-3,060.25*	
		For Class 54 Rating, Add	*4,212.36*	
		For Class 55 Rating, Add	*6,282.55*	
		For Class 56 Rating, Add	*8,324.92*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,801.49	2,163.96
		For Class 52 Rating, Deduct	*-3,357.50*	
		For Class 54 Rating, Add	*4,617.76*	
		For Class 55 Rating, Add	*6,885.27*	
		For Class 56 Rating, Add	*9,122.25*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,514.11	2,166.57
		For Class 52 Rating, Deduct	*-3,655.46*	
		For Class 54 Rating, Add	*5,024.11*	
		For Class 55 Rating, Add	*7,489.39*	
		For Class 56 Rating, Add	*9,921.45*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,258.22	2,169.18
		For Class 52 Rating, Deduct	*-3,956.87*	
		For Class 54 Rating, Add	*5,435.18*	
		For Class 55 Rating, Add	*8,100.54*	
		For Class 56 Rating, Add	*10,729.94*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,992.88	2,171.80
		For Class 52 Rating, Deduct	*-4,257.25*	
		For Class 54 Rating, Add	*5,844.83*	
		For Class 55 Rating, Add	*8,709.58*	
		For Class 56 Rating, Add	*11,535.63*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,733.85	2,174.41
		For Class 52 Rating, Deduct	*-4,558.32*	
		For Class 54 Rating, Add	*6,255.43*	
		For Class 55 Rating, Add	*9,320.03*	
		For Class 56 Rating, Add	*12,343.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,493.71	2,177.02
		For Class 52 Rating, Deduct	*-4,861.47*	
		For Class 54 Rating, Add	*6,668.86*	
		For Class 55 Rating, Add	*9,934.69*	
		For Class 56 Rating, Add	*13,156.33*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,247.27	2,179.63
		For Class 52 Rating, Deduct	*-5,163.93*	
		For Class 54 Rating, Add	*7,081.35*	
		For Class 55 Rating, Add	*10,547.95*	
		For Class 56 Rating, Add	*13,967.60*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,997.68	2,182.25
		For Class 52 Rating, Deduct	*-5,466.04*	
		For Class 54 Rating, Add	*7,493.36*	
		For Class 55 Rating, Add	*11,160.50*	
		For Class 56 Rating, Add	*14,777.95*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,776.44	2,184.87
		For Class 52 Rating, Deduct	*-5,771.26*	
		For Class 54 Rating, Add	*7,909.63*	
		For Class 55 Rating, Add	*11,779.38*	
		For Class 56 Rating, Add	*15,596.66*	
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,536.30	2,187.47
		For Class 52 Rating, Deduct	*-6,074.41*	
		For Class 54 Rating, Add	*8,323.06*	
		For Class 55 Rating, Add	*12,394.04*	
		For Class 56 Rating, Add	*16,409.79*	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,318.20	2,190.09
		For Class 52 Rating, Deduct	*-6,379.99*	
		For Class 54 Rating, Add	*8,739.80*	
		For Class 55 Rating, Add	*13,013.61*	
		For Class 56 Rating, Add	*17,229.42*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,084.36	2,192.71
		For Class 52 Rating, Deduct	*-6,683.83*	
		For Class 54 Rating, Add	*9,154.18*	
		For Class 55 Rating, Add	*13,629.68*	
		For Class 56 Rating, Add	*18,044.42*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,853.67	2,195.32
		For Class 52 Rating, Deduct	*-6,988.02*	
		For Class 54 Rating, Add	*9,569.03*	
		For Class 55 Rating, Add	*14,246.45*	
		For Class 56 Rating, Add	*18,860.34*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,641.88	2,197.93
		For Class 52 Rating, Deduct	*-7,294.28*	
		For Class 54 Rating, Add	*9,986.71*	
		For Class 55 Rating, Add	*14,867.43*	
		For Class 56 Rating, Add	*19,681.83*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,417.49	2,200.54
		For Class 52 Rating, Deduct	*-7,599.17*	
		For Class 54 Rating, Add	*10,402.51*	
		For Class 55 Rating, Add	*15,485.60*	
		For Class 56 Rating, Add	*20,499.61*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,189.94	2,203.16
		For Class 52 Rating, Deduct	*-7,903.70*	
		For Class 54 Rating, Add	*10,817.83*	
		For Class 55 Rating, Add	*16,103.07*	
		For Class 56 Rating, Add	*21,316.46*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,984.45	2,205.78
		For Class 52 Rating, Deduct	*-8,210.66*	
		For Class 54 Rating, Add	*11,236.46*	
		For Class 55 Rating, Add	*16,725.46*	
		For Class 56 Rating, Add	*22,139.81*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,763.21	2,208.38
		For Class 52 Rating, Deduct	*-8,515.89*	
		For Class 54 Rating, Add	*11,652.73*	
		For Class 55 Rating, Add	*17,344.33*	
		For Class 56 Rating, Add	*22,958.52*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,538.82	2,211.00
		For Class 52 Rating, Deduct	*-8,820.77*	
		For Class 54 Rating, Add	*12,068.52*	
		For Class 55 Rating, Add	*17,962.51*	
		For Class 56 Rating, Add	*23,776.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,336.47	2,213.61
		For Class 52 Rating, Deduct	*-9,128.08*	
		For Class 54 Rating, Add	*12,487.62*	
		For Class 55 Rating, Add	*18,585.59*	
		For Class 56 Rating, Add	*24,600.58*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,121.53	2,216.23
		For Class 52 Rating, Deduct	*-9,434.00*	
		For Class 54 Rating, Add	*12,904.84*	
		For Class 55 Rating, Add	*19,205.88*	
		For Class 56 Rating, Add	*25,421.15*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,900.28	2,218.84
		For Class 52 Rating, Deduct	*-9,739.23*	
		For Class 54 Rating, Add	*13,321.10*	
		For Class 55 Rating, Add	*19,824.75*	
		For Class 56 Rating, Add	*26,239.86*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,701.08	2,221.45
		For Class 52 Rating, Deduct	*-10,046.88*	
		For Class 54 Rating, Add	*13,740.68*	
		For Class 55 Rating, Add	*20,448.54*	
		For Class 56 Rating, Add	*27,065.07*	
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	97,486.14	2,224.07
		For Class 52 Rating, Deduct	*-10,352.80*	
		For Class 54 Rating, Add	*14,157.89*	
		For Class 55 Rating, Add	*21,068.82*	
		For Class 56 Rating, Add	*27,885.64*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,268.04	2,226.67
		For Class 52 Rating, Deduct	*-10,658.37*	
		For Class 54 Rating, Add	*14,574.63*	
		For Class 55 Rating, Add	*21,688.40*	
		For Class 56 Rating, Add	*28,705.27*	
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,072.00	2,229.29
		For Class 52 Rating, Deduct	*-10,966.37*	
		For Class 54 Rating, Add	*14,994.68*	
		For Class 55 Rating, Add	*22,312.89*	
		For Class 56 Rating, Add	*29,531.41*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,860.21	2,231.91
		For Class 52 Rating, Deduct	*-11,272.64*	
		For Class 54 Rating, Add	*15,412.36*	
		For Class 55 Rating, Add	*22,933.87*	
		For Class 56 Rating, Add	*30,352.91*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,320.86	2,234.52
		For Class 52 Rating, Deduct	*-11,542.87*	
		For Class 54 Rating, Add	*15,780.91*	
		For Class 55 Rating, Add	*23,481.81*	
		For Class 56 Rating, Add	*31,077.77*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,452.38	2,237.13
		For Class 52 Rating, Deduct	*-11,886.91*	
		For Class 54 Rating, Add	*16,250.09*	
		For Class 55 Rating, Add	*24,179.35*	
		For Class 56 Rating, Add	*32,000.55*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	114,237.43	2,239.75
		For Class 52 Rating, Deduct	*-12,192.83*	
		For Class 54 Rating, Add	*16,667.30*	
		For Class 55 Rating, Add	*24,799.63*	
		For Class 56 Rating, Add	*32,821.11*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	117,047.69	2,242.36
		For Class 52 Rating, Deduct	*-12,501.52*	
		For Class 54 Rating, Add	*17,088.30*	
		For Class 55 Rating, Add	*25,425.53*	
		For Class 56 Rating, Add	*33,649.11*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	119,832.74	2,244.98
		For Class 52 Rating, Deduct	*-12,807.44*	
		For Class 54 Rating, Add	*17,505.51*	
		For Class 55 Rating, Add	*26,045.81*	
		For Class 56 Rating, Add	*34,469.67*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	122,617.80	2,247.58
		For Class 52 Rating, Deduct	*-13,113.36*	
		For Class 54 Rating, Add	*17,922.72*	
		For Class 55 Rating, Add	*26,666.09*	
		For Class 56 Rating, Add	*35,290.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	125,431.20	2,250.20
		For Class 52 Rating, Deduct	*-13,422.40*	
		For Class 54 Rating, Add	*18,344.18*	
		For Class 55 Rating, Add	*27,292.69*	
		For Class 56 Rating, Add	*36,119.17*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	744.98	119.59
		For Class 52 Rating, Deduct	*-62.02*	
		For Class 54 Rating, Add	*86.74*	
		For Class 55 Rating, Add	*130.07*	
		For Class 56 Rating, Add	*172.84*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	867.83	121.68
		For Class 52 Rating, Deduct	*-75.18*	
		For Class 54 Rating, Add	*104.73*	
		For Class 55 Rating, Add	*156.84*	
		For Class 56 Rating, Add	*208.26*	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	990.69	123.78
		For Class 52 Rating, Deduct	*-88.35*	
		For Class 54 Rating, Add	*122.72*	
		For Class 55 Rating, Add	*183.60*	
		For Class 56 Rating, Add	*243.68*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,113.53	125.87
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*140.71*	
		For Class 55 Rating, Add	*210.37*	
		For Class 56 Rating, Add	*279.10*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,236.39	127.95
		For Class 52 Rating, Deduct	*-114.68*	
		For Class 54 Rating, Add	*158.70*	
		For Class 55 Rating, Add	*237.13*	
		For Class 56 Rating, Add	*314.52*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,359.24	130.05
		For Class 52 Rating, Deduct	*-127.84*	
		For Class 54 Rating, Add	*176.69*	
		For Class 55 Rating, Add	*263.90*	
		For Class 56 Rating, Add	*349.94*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,482.10	132.14
		For Class 52 Rating, Deduct	*-141.01*	
		For Class 54 Rating, Add	*194.69*	
		For Class 55 Rating, Add	*290.67*	
		For Class 56 Rating, Add	*385.37*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,604.94	134.23
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*212.68*	
		For Class 55 Rating, Add	*317.43*	
		For Class 56 Rating, Add	*420.78*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,727.81	136.33
		For Class 52 Rating, Deduct	*-167.34*	
		For Class 54 Rating, Add	*230.67*	
		For Class 55 Rating, Add	*344.20*	
		For Class 56 Rating, Add	*456.21*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,850.65	138.41
		For Class 52 Rating, Deduct	*-180.50*	
		For Class 54 Rating, Add	*248.66*	
		For Class 55 Rating, Add	*370.96*	
		For Class 56 Rating, Add	*491.63*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,973.50	140.50
		For Class 52 Rating, Deduct	*-193.67*	
		For Class 54 Rating, Add	*266.65*	
		For Class 55 Rating, Add	*397.73*	
		For Class 56 Rating, Add	*527.05*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,096.36	142.59
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*284.64*	
		For Class 55 Rating, Add	*424.49*	
		For Class 56 Rating, Add	*562.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,219.21	144.69
		For Class 52 Rating, Deduct	*-220.00*	
		For Class 54 Rating, Add	*302.63*	
		For Class 55 Rating, Add	*451.26*	
		For Class 56 Rating, Add	*597.89*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,342.06	146.77
		For Class 52 Rating, Deduct	*-233.16*	
		For Class 54 Rating, Add	*320.62*	
		For Class 55 Rating, Add	*478.03*	
		For Class 56 Rating, Add	*633.31*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,464.92	148.86
		For Class 52 Rating, Deduct	*-246.33*	
		For Class 54 Rating, Add	*338.61*	
		For Class 55 Rating, Add	*504.79*	
		For Class 56 Rating, Add	*668.73*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,587.77	150.96
		For Class 52 Rating, Deduct	*-259.50*	
		For Class 54 Rating, Add	*356.60*	
		For Class 55 Rating, Add	*531.56*	
		For Class 56 Rating, Add	*704.15*	
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,710.63	153.05
		For Class 52 Rating, Deduct	*-272.66*	
		For Class 54 Rating, Add	*374.59*	
		For Class 55 Rating, Add	*558.32*	
		For Class 56 Rating, Add	*739.58*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,833.48	155.14
		For Class 52 Rating, Deduct	*-285.83*	
		For Class 54 Rating, Add	*392.58*	
		For Class 55 Rating, Add	*585.09*	
		For Class 56 Rating, Add	*775.00*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,956.32	157.22
		For Class 52 Rating, Deduct	*-298.99*	
		For Class 54 Rating, Add	*410.57*	
		For Class 55 Rating, Add	*611.85*	
		For Class 56 Rating, Add	*810.42*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,079.18	159.32
		For Class 52 Rating, Deduct	*-312.16*	
		For Class 54 Rating, Add	*428.57*	
		For Class 55 Rating, Add	*638.62*	
		For Class 56 Rating, Add	*845.84*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,202.03	161.41
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*446.56*	
		For Class 55 Rating, Add	*665.39*	
		For Class 56 Rating, Add	*881.26*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,324.88	163.50
		For Class 52 Rating, Deduct	*-338.49*	
		For Class 54 Rating, Add	*464.55*	
		For Class 55 Rating, Add	*692.15*	
		For Class 56 Rating, Add	*916.68*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,447.74	165.60
		For Class 52 Rating, Deduct	*-351.65*	
		For Class 54 Rating, Add	*482.54*	
		For Class 55 Rating, Add	*718.92*	
		For Class 56 Rating, Add	*952.10*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,570.59	167.68
		For Class 52 Rating, Deduct	*-364.82*	
		For Class 54 Rating, Add	*500.53*	
		For Class 55 Rating, Add	*745.68*	
		For Class 56 Rating, Add	*987.52*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,693.44	169.77
		For Class 52 Rating, Deduct	*-377.98*	
		For Class 54 Rating, Add	*518.52*	
		For Class 55 Rating, Add	*772.45*	
		For Class 56 Rating, Add	*1,022.94*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,816.30	171.86
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*536.51*	
		For Class 55 Rating, Add	*799.22*	
		For Class 56 Rating, Add	*1,058.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,939.15	173.96
		For Class 52 Rating, Deduct	*-404.31*	
		For Class 54 Rating, Add	*554.50*	
		For Class 55 Rating, Add	*825.98*	
		For Class 56 Rating, Add	*1,093.78*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,062.00	176.05
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*572.49*	
		For Class 55 Rating, Add	*852.75*	
		For Class 56 Rating, Add	*1,129.21*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,184.85	178.13
		For Class 52 Rating, Deduct	*-430.64*	
		For Class 54 Rating, Add	*590.48*	
		For Class 55 Rating, Add	*879.51*	
		For Class 56 Rating, Add	*1,164.63*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,307.71	180.23
		For Class 52 Rating, Deduct	*-443.81*	
		For Class 54 Rating, Add	*608.47*	
		For Class 55 Rating, Add	*906.28*	
		For Class 56 Rating, Add	*1,200.05*	
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,430.55	182.32
		For Class 52 Rating, Deduct	*-456.98*	
		For Class 54 Rating, Add	*626.46*	
		For Class 55 Rating, Add	*933.04*	
		For Class 56 Rating, Add	*1,235.47*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,553.42	184.41
		For Class 52 Rating, Deduct	*-470.14*	
		For Class 54 Rating, Add	*644.45*	
		For Class 55 Rating, Add	*959.81*	
		For Class 56 Rating, Add	*1,270.89*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,676.26	186.49
		For Class 52 Rating, Deduct	*-483.31*	
		For Class 54 Rating, Add	*662.44*	
		For Class 55 Rating, Add	*986.57*	
		For Class 56 Rating, Add	*1,306.31*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,799.12	188.59
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*680.44*	
		For Class 55 Rating, Add	*1,013.34*	
		For Class 56 Rating, Add	*1,341.73*	
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,921.97	190.68
		For Class 52 Rating, Deduct	*-509.64*	
		For Class 54 Rating, Add	*698.43*	
		For Class 55 Rating, Add	*1,040.11*	
		For Class 56 Rating, Add	*1,377.15*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,044.82	192.77
		For Class 52 Rating, Deduct	*-522.80*	
		For Class 54 Rating, Add	*716.42*	
		For Class 55 Rating, Add	*1,066.87*	
		For Class 56 Rating, Add	*1,412.58*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,167.67	194.87
		For Class 52 Rating, Deduct	*-535.97*	
		For Class 54 Rating, Add	*734.41*	
		For Class 55 Rating, Add	*1,093.64*	
		For Class 56 Rating, Add	*1,448.00*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,259.03	196.95
		For Class 52 Rating, Deduct	*-545.67*	
		For Class 54 Rating, Add	*747.67*	
		For Class 55 Rating, Add	*1,113.38*	
		For Class 56 Rating, Add	*1,474.13*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,413.38	199.04
		For Class 52 Rating, Deduct	*-562.30*	
		For Class 54 Rating, Add	*770.39*	
		For Class 55 Rating, Add	*1,147.17*	
		For Class 56 Rating, Add	*1,518.84*	
40 05 19 00-2655		6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	968.25	150.54
		For Class 52 Rating, Deduct	*-81.42*	
		For Class 54 Rating, Add	*113.76*	
		For Class 55 Rating, Add	*170.53*	
		For Class 56 Rating, Add	*226.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,109.99	152.63
		For Class 52 Rating, Deduct	*-96.66*	
		For Class 54 Rating, Add	*134.59*	
		For Class 55 Rating, Add	*201.51*	
		For Class 56 Rating, Add	*267.55*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,251.74	154.71
		For Class 52 Rating, Deduct	*-111.91*	
		For Class 54 Rating, Add	*155.41*	
		For Class 55 Rating, Add	*232.49*	
		For Class 56 Rating, Add	*308.55*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,393.49	156.81
		For Class 52 Rating, Deduct	*-127.15*	
		For Class 54 Rating, Add	*176.24*	
		For Class 55 Rating, Add	*263.47*	
		For Class 56 Rating, Add	*349.54*	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,535.24	158.90
		For Class 52 Rating, Deduct	*-142.39*	
		For Class 54 Rating, Add	*197.06*	
		For Class 55 Rating, Add	*294.45*	
		For Class 56 Rating, Add	*390.54*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,677.00	160.99
		For Class 52 Rating, Deduct	*-157.64*	
		For Class 54 Rating, Add	*217.89*	
		For Class 55 Rating, Add	*325.43*	
		For Class 56 Rating, Add	*431.54*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,818.74	163.08
		For Class 52 Rating, Deduct	*-172.88*	
		For Class 54 Rating, Add	*238.71*	
		For Class 55 Rating, Add	*356.41*	
		For Class 56 Rating, Add	*472.53*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,960.49	165.17
		For Class 52 Rating, Deduct	*-188.13*	
		For Class 54 Rating, Add	*259.54*	
		For Class 55 Rating, Add	*387.39*	
		For Class 56 Rating, Add	*513.53*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,102.25	167.26
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*280.36*	
		For Class 55 Rating, Add	*418.37*	
		For Class 56 Rating, Add	*554.53*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,244.00	169.35
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*301.19*	
		For Class 55 Rating, Add	*449.35*	
		For Class 56 Rating, Add	*595.52*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,385.74	171.45
		For Class 52 Rating, Deduct	*-233.86*	
		For Class 54 Rating, Add	*322.01*	
		For Class 55 Rating, Add	*480.33*	
		For Class 56 Rating, Add	*636.52*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,527.49	173.53
		For Class 52 Rating, Deduct	*-249.10*	
		For Class 54 Rating, Add	*342.84*	
		For Class 55 Rating, Add	*511.31*	
		For Class 56 Rating, Add	*677.51*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,669.24	175.62
		For Class 52 Rating, Deduct	*-264.35*	
		For Class 54 Rating, Add	*363.66*	
		For Class 55 Rating, Add	*542.29*	
		For Class 56 Rating, Add	*718.51*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,810.99	177.72
		For Class 52 Rating, Deduct	*-279.59*	
		For Class 54 Rating, Add	*384.49*	
		For Class 55 Rating, Add	*573.27*	
		For Class 56 Rating, Add	*759.50*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,952.75	179.81
		For Class 52 Rating, Deduct	*-294.83*	
		For Class 54 Rating, Add	*405.32*	
		For Class 55 Rating, Add	*604.25*	
		For Class 56 Rating, Add	*800.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,094.49	181.90
		For Class 52 Rating, Deduct	*-310.08*	
		For Class 54 Rating, Add	*426.14*	
		For Class 55 Rating, Add	*635.23*	
		For Class 56 Rating, Add	*841.49*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,236.24	183.98
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*446.97*	
		For Class 55 Rating, Add	*666.21*	
		For Class 56 Rating, Add	*882.49*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,378.00	186.08
		For Class 52 Rating, Deduct	*-340.57*	
		For Class 54 Rating, Add	*467.79*	
		For Class 55 Rating, Add	*697.19*	
		For Class 56 Rating, Add	*923.49*	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,519.75	188.17
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*488.62*	
		For Class 55 Rating, Add	*728.17*	
		For Class 56 Rating, Add	*964.48*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,661.49	190.26
		For Class 52 Rating, Deduct	*-371.05*	
		For Class 54 Rating, Add	*509.44*	
		For Class 55 Rating, Add	*759.15*	
		For Class 56 Rating, Add	*1,005.48*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,803.24	192.36
		For Class 52 Rating, Deduct	*-386.30*	
		For Class 54 Rating, Add	*530.27*	
		For Class 55 Rating, Add	*790.13*	
		For Class 56 Rating, Add	*1,046.47*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,945.00	194.44
		For Class 52 Rating, Deduct	*-401.54*	
		For Class 54 Rating, Add	*551.09*	
		For Class 55 Rating, Add	*821.11*	
		For Class 56 Rating, Add	*1,087.47*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,086.74	196.53
		For Class 52 Rating, Deduct	*-416.79*	
		For Class 54 Rating, Add	*571.92*	
		For Class 55 Rating, Add	*852.09*	
		For Class 56 Rating, Add	*1,128.47*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,228.50	198.63
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*592.74*	
		For Class 55 Rating, Add	*883.07*	
		For Class 56 Rating, Add	*1,169.46*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,370.24	200.72
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*613.57*	
		For Class 55 Rating, Add	*914.05*	
		For Class 56 Rating, Add	*1,210.46*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,512.01	202.80
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*634.40*	
		For Class 55 Rating, Add	*945.03*	
		For Class 56 Rating, Add	*1,251.45*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,653.75	204.89
		For Class 52 Rating, Deduct	*-477.76*	
		For Class 54 Rating, Add	*655.22*	
		For Class 55 Rating, Add	*976.01*	
		For Class 56 Rating, Add	*1,292.45*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,795.49	206.99
		For Class 52 Rating, Deduct	*-493.01*	
		For Class 54 Rating, Add	*676.05*	
		For Class 55 Rating, Add	*1,006.99*	
		For Class 56 Rating, Add	*1,333.44*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,937.25	209.08
		For Class 52 Rating, Deduct	*-508.25*	
		For Class 54 Rating, Add	*696.87*	
		For Class 55 Rating, Add	*1,037.97*	
		For Class 56 Rating, Add	*1,374.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,079.00	211.17
		For Class 52 Rating, Deduct	*-523.50*	
		For Class 54 Rating, Add	*717.70*	
		For Class 55 Rating, Add	*1,068.95*	
		For Class 56 Rating, Add	*1,415.44*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,220.75	213.26
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*738.52*	
		For Class 55 Rating, Add	*1,099.93*	
		For Class 56 Rating, Add	*1,456.43*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,362.50	215.35
		For Class 52 Rating, Deduct	*-553.98*	
		For Class 54 Rating, Add	*759.35*	
		For Class 55 Rating, Add	*1,130.91*	
		For Class 56 Rating, Add	*1,497.43*	
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,504.25	217.44
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*780.17*	
		For Class 55 Rating, Add	*1,161.89*	
		For Class 56 Rating, Add	*1,538.42*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,646.00	219.53
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*801.00*	
		For Class 55 Rating, Add	*1,192.87*	
		For Class 56 Rating, Add	*1,579.42*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,787.76	221.63
		For Class 52 Rating, Deduct	*-599.72*	
		For Class 54 Rating, Add	*821.82*	
		For Class 55 Rating, Add	*1,223.85*	
		For Class 56 Rating, Add	*1,620.42*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,929.50	223.71
		For Class 52 Rating, Deduct	*-614.96*	
		For Class 54 Rating, Add	*842.65*	
		For Class 55 Rating, Add	*1,254.83*	
		For Class 56 Rating, Add	*1,661.41*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,071.24	225.80
		For Class 52 Rating, Deduct	*-630.20*	
		For Class 54 Rating, Add	*863.47*	
		For Class 55 Rating, Add	*1,285.80*	
		For Class 56 Rating, Add	*1,702.41*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,213.00	227.90
		For Class 52 Rating, Deduct	*-645.45*	
		For Class 54 Rating, Add	*884.30*	
		For Class 55 Rating, Add	*1,316.78*	
		For Class 56 Rating, Add	*1,743.40*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,354.75	229.99
		For Class 52 Rating, Deduct	*-660.69*	
		For Class 54 Rating, Add	*905.13*	
		For Class 55 Rating, Add	*1,347.77*	
		For Class 56 Rating, Add	*1,784.40*	

40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,343.41	192.36
		For Class 52 Rating, Deduct	*-115.72*	
		For Class 54 Rating, Add	*161.29*	
		For Class 55 Rating, Add	*241.58*	
		For Class 56 Rating, Add	*320.82*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,526.10	194.44
		For Class 52 Rating, Deduct	*-135.46*	
		For Class 54 Rating, Add	*188.26*	
		For Class 55 Rating, Add	*281.69*	
		For Class 56 Rating, Add	*373.90*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,708.79	196.53
		For Class 52 Rating, Deduct	*-155.21*	
		For Class 54 Rating, Add	*215.23*	
		For Class 55 Rating, Add	*321.80*	
		For Class 56 Rating, Add	*426.97*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,891.50	198.63
		For Class 52 Rating, Deduct	*-174.96*	
		For Class 54 Rating, Add	*242.19*	
		For Class 55 Rating, Add	*361.92*	
		For Class 56 Rating, Add	*480.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,074.19	200.72
		For Class 52 Rating, Deduct	*-194.71*	
		For Class 54 Rating, Add	*269.16*	
		For Class 55 Rating, Add	*402.03*	
		For Class 56 Rating, Add	*533.12*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,256.89	202.80
		For Class 52 Rating, Deduct	*-214.46*	
		For Class 54 Rating, Add	*296.13*	
		For Class 55 Rating, Add	*442.14*	
		For Class 56 Rating, Add	*586.19*	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,439.58	204.89
		For Class 52 Rating, Deduct	*-234.20*	
		For Class 54 Rating, Add	*323.09*	
		For Class 55 Rating, Add	*482.25*	
		For Class 56 Rating, Add	*639.27*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,622.27	206.99
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*350.06*	
		For Class 55 Rating, Add	*522.36*	
		For Class 56 Rating, Add	*692.34*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,804.97	209.08
		For Class 52 Rating, Deduct	*-273.70*	
		For Class 54 Rating, Add	*377.03*	
		For Class 55 Rating, Add	*562.47*	
		For Class 56 Rating, Add	*745.42*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,987.66	211.17
		For Class 52 Rating, Deduct	*-293.45*	
		For Class 54 Rating, Add	*404.00*	
		For Class 55 Rating, Add	*602.58*	
		For Class 56 Rating, Add	*798.49*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,170.36	213.26
		For Class 52 Rating, Deduct	*-313.20*	
		For Class 54 Rating, Add	*430.96*	
		For Class 55 Rating, Add	*642.69*	
		For Class 56 Rating, Add	*851.57*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,353.06	215.35
		For Class 52 Rating, Deduct	*-332.94*	
		For Class 54 Rating, Add	*457.93*	
		For Class 55 Rating, Add	*682.80*	
		For Class 56 Rating, Add	*904.64*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,535.75	217.44
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*484.90*	
		For Class 55 Rating, Add	*722.91*	
		For Class 56 Rating, Add	*957.72*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,718.44	219.53
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*511.86*	
		For Class 55 Rating, Add	*763.02*	
		For Class 56 Rating, Add	*1,010.79*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,901.15	221.63
		For Class 52 Rating, Deduct	*-392.19*	
		For Class 54 Rating, Add	*538.83*	
		For Class 55 Rating, Add	*803.13*	
		For Class 56 Rating, Add	*1,063.87*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,083.83	223.71
		For Class 52 Rating, Deduct	*-411.94*	
		For Class 54 Rating, Add	*565.80*	
		For Class 55 Rating, Add	*843.24*	
		For Class 56 Rating, Add	*1,116.94*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.52	225.80
		For Class 52 Rating, Deduct	*-431.68*	
		For Class 54 Rating, Add	*592.77*	
		For Class 55 Rating, Add	*883.35*	
		For Class 56 Rating, Add	*1,170.01*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,449.23	227.90
		For Class 52 Rating, Deduct	*-451.43*	
		For Class 54 Rating, Add	*619.73*	
		For Class 55 Rating, Add	*923.46*	
		For Class 56 Rating, Add	*1,223.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,631.92	229.99
		For Class 52 Rating, Deduct	*-471.18*	
		For Class 54 Rating, Add	*646.70*	
		For Class 55 Rating, Add	*963.57*	
		For Class 56 Rating, Add	*1,276.17*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,814.61	232.07
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*673.67*	
		For Class 55 Rating, Add	*1,003.68*	
		For Class 56 Rating, Add	*1,329.24*	
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,997.31	234.16
		For Class 52 Rating, Deduct	*-510.68*	
		For Class 54 Rating, Add	*700.63*	
		For Class 55 Rating, Add	*1,043.79*	
		For Class 56 Rating, Add	*1,382.31*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,180.01	236.26
		For Class 52 Rating, Deduct	*-530.42*	
		For Class 54 Rating, Add	*727.60*	
		For Class 55 Rating, Add	*1,083.91*	
		For Class 56 Rating, Add	*1,435.39*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,362.69	238.35
		For Class 52 Rating, Deduct	*-550.17*	
		For Class 54 Rating, Add	*754.57*	
		For Class 55 Rating, Add	*1,124.02*	
		For Class 56 Rating, Add	*1,488.46*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,545.39	240.44
		For Class 52 Rating, Deduct	*-569.92*	
		For Class 54 Rating, Add	*781.54*	
		For Class 55 Rating, Add	*1,164.13*	
		For Class 56 Rating, Add	*1,541.54*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,728.09	242.53
		For Class 52 Rating, Deduct	*-589.67*	
		For Class 54 Rating, Add	*808.50*	
		For Class 55 Rating, Add	*1,204.24*	
		For Class 56 Rating, Add	*1,594.61*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,910.78	244.62
		For Class 52 Rating, Deduct	*-609.42*	
		For Class 54 Rating, Add	*835.47*	
		For Class 55 Rating, Add	*1,244.35*	
		For Class 56 Rating, Add	*1,647.69*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,093.48	246.71
		For Class 52 Rating, Deduct	*-629.16*	
		For Class 54 Rating, Add	*862.44*	
		For Class 55 Rating, Add	*1,284.46*	
		For Class 56 Rating, Add	*1,700.76*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,276.17	248.80
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*889.40*	
		For Class 55 Rating, Add	*1,324.57*	
		For Class 56 Rating, Add	*1,753.83*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,458.88	250.90
		For Class 52 Rating, Deduct	*-668.66*	
		For Class 54 Rating, Add	*916.37*	
		For Class 55 Rating, Add	*1,364.68*	
		For Class 56 Rating, Add	*1,806.91*	
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,641.57	252.98
		For Class 52 Rating, Deduct	*-688.41*	
		For Class 54 Rating, Add	*943.34*	
		For Class 55 Rating, Add	*1,404.79*	
		For Class 56 Rating, Add	*1,859.99*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,824.26	255.07
		For Class 52 Rating, Deduct	*-708.16*	
		For Class 54 Rating, Add	*970.30*	
		For Class 55 Rating, Add	*1,444.90*	
		For Class 56 Rating, Add	*1,913.06*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,006.96	257.17
		For Class 52 Rating, Deduct	*-727.90*	
		For Class 54 Rating, Add	*997.27*	
		For Class 55 Rating, Add	*1,485.01*	
		For Class 56 Rating, Add	*1,966.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,189.65	259.26
		For Class 52 Rating, Deduct	*-747.65*	
		For Class 54 Rating, Add	*1,024.24*	
		For Class 55 Rating, Add	*1,525.12*	
		For Class 56 Rating, Add	*2,019.21*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,372.34	261.35
		For Class 52 Rating, Deduct	*-767.40*	
		For Class 54 Rating, Add	*1,051.21*	
		For Class 55 Rating, Add	*1,565.23*	
		For Class 56 Rating, Add	*2,072.28*	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,555.04	263.43
		For Class 52 Rating, Deduct	*-787.15*	
		For Class 54 Rating, Add	*1,078.17*	
		For Class 55 Rating, Add	*1,605.34*	
		For Class 56 Rating, Add	*2,125.36*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,737.74	265.53
		For Class 52 Rating, Deduct	*-806.90*	
		For Class 54 Rating, Add	*1,105.14*	
		For Class 55 Rating, Add	*1,645.45*	
		For Class 56 Rating, Add	*2,178.43*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,920.43	267.62
		For Class 52 Rating, Deduct	*-826.64*	
		For Class 54 Rating, Add	*1,132.11*	
		For Class 55 Rating, Add	*1,685.57*	
		For Class 56 Rating, Add	*2,231.51*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,103.13	269.71
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,159.07*	
		For Class 55 Rating, Add	*1,725.67*	
		For Class 56 Rating, Add	*2,284.58*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,285.82	271.80
		For Class 52 Rating, Deduct	*-866.14*	
		For Class 54 Rating, Add	*1,186.04*	
		For Class 55 Rating, Add	*1,765.79*	
		For Class 56 Rating, Add	*2,337.66*	
40 05 19 00-2735		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,696.53	234.16
		For Class 52 Rating, Deduct	*-147.59*	
		For Class 54 Rating, Add	*205.52*	
		For Class 55 Rating, Add	*307.72*	
		For Class 56 Rating, Add	*408.58*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,932.77	236.26
		For Class 52 Rating, Deduct	*-173.23*	
		For Class 54 Rating, Add	*240.52*	
		For Class 55 Rating, Add	*359.77*	
		For Class 56 Rating, Add	*477.45*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,169.00	238.35
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*275.51*	
		For Class 55 Rating, Add	*411.82*	
		For Class 56 Rating, Add	*546.32*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,405.24	240.44
		For Class 52 Rating, Deduct	*-224.50*	
		For Class 54 Rating, Add	*310.51*	
		For Class 55 Rating, Add	*463.87*	
		For Class 56 Rating, Add	*615.19*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,641.48	242.53
		For Class 52 Rating, Deduct	*-250.14*	
		For Class 54 Rating, Add	*345.51*	
		For Class 55 Rating, Add	*515.92*	
		For Class 56 Rating, Add	*684.06*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,877.71	244.62
		For Class 52 Rating, Deduct	*-275.78*	
		For Class 54 Rating, Add	*380.51*	
		For Class 55 Rating, Add	*567.97*	
		For Class 56 Rating, Add	*752.93*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,113.96	246.71
		For Class 52 Rating, Deduct	*-301.42*	
		For Class 54 Rating, Add	*415.51*	
		For Class 55 Rating, Add	*620.02*	
		For Class 56 Rating, Add	*821.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,350.19	248.80
		For Class 52 Rating, Deduct	*-327.05*	
		For Class 54 Rating, Add	*450.51*	
		For Class 55 Rating, Add	*672.08*	
		For Class 56 Rating, Add	*890.67*	
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,586.44	250.90
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*485.51*	
		For Class 55 Rating, Add	*724.13*	
		For Class 56 Rating, Add	*959.54*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,822.67	252.98
		For Class 52 Rating, Deduct	*-378.33*	
		For Class 54 Rating, Add	*520.50*	
		For Class 55 Rating, Add	*776.18*	
		For Class 56 Rating, Add	*1,028.41*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,058.91	255.07
		For Class 52 Rating, Deduct	*-403.97*	
		For Class 54 Rating, Add	*555.50*	
		For Class 55 Rating, Add	*828.23*	
		For Class 56 Rating, Add	*1,097.28*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,295.15	257.17
		For Class 52 Rating, Deduct	*-429.61*	
		For Class 54 Rating, Add	*590.50*	
		For Class 55 Rating, Add	*880.28*	
		For Class 56 Rating, Add	*1,166.15*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,531.38	259.26
		For Class 52 Rating, Deduct	*-455.24*	
		For Class 54 Rating, Add	*625.50*	
		For Class 55 Rating, Add	*932.33*	
		For Class 56 Rating, Add	*1,235.02*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,767.62	261.35
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*660.50*	
		For Class 55 Rating, Add	*984.38*	
		For Class 56 Rating, Add	*1,303.89*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,003.87	263.43
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*695.50*	
		For Class 55 Rating, Add	*1,036.43*	
		For Class 56 Rating, Add	*1,372.76*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,240.11	265.53
		For Class 52 Rating, Deduct	*-532.16*	
		For Class 54 Rating, Add	*730.50*	
		For Class 55 Rating, Add	*1,088.48*	
		For Class 56 Rating, Add	*1,441.63*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,476.34	267.62
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*765.49*	
		For Class 55 Rating, Add	*1,140.53*	
		For Class 56 Rating, Add	*1,510.50*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,712.59	269.71
		For Class 52 Rating, Deduct	*-583.43*	
		For Class 54 Rating, Add	*800.49*	
		For Class 55 Rating, Add	*1,192.58*	
		For Class 56 Rating, Add	*1,579.37*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,948.82	271.80
		For Class 52 Rating, Deduct	*-609.07*	
		For Class 54 Rating, Add	*835.49*	
		For Class 55 Rating, Add	*1,244.63*	
		For Class 56 Rating, Add	*1,648.24*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,185.05	273.89
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*870.49*	
		For Class 55 Rating, Add	*1,296.69*	
		For Class 56 Rating, Add	*1,717.11*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,421.30	275.98
		For Class 52 Rating, Deduct	*-660.35*	
		For Class 54 Rating, Add	*905.49*	
		For Class 55 Rating, Add	*1,348.74*	
		For Class 56 Rating, Add	*1,785.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,657.53	278.08
		For Class 52 Rating, Deduct	*-685.98*	
		For Class 54 Rating, Add	*940.49*	
		For Class 55 Rating, Add	*1,400.79*	
		For Class 56 Rating, Add	*1,854.85*	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,893.77	280.17
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*975.49*	
		For Class 55 Rating, Add	*1,452.84*	
		For Class 56 Rating, Add	*1,923.72*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,130.01	282.25
		For Class 52 Rating, Deduct	*-737.26*	
		For Class 54 Rating, Add	*1,010.48*	
		For Class 55 Rating, Add	*1,504.89*	
		For Class 56 Rating, Add	*1,992.59*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,366.25	284.34
		For Class 52 Rating, Deduct	*-762.90*	
		For Class 54 Rating, Add	*1,045.48*	
		For Class 55 Rating, Add	*1,556.94*	
		For Class 56 Rating, Add	*2,061.46*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,602.48	286.44
		For Class 52 Rating, Deduct	*-788.53*	
		For Class 54 Rating, Add	*1,080.48*	
		For Class 55 Rating, Add	*1,608.99*	
		For Class 56 Rating, Add	*2,130.33*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,838.73	288.53
		For Class 52 Rating, Deduct	*-814.17*	
		For Class 54 Rating, Add	*1,115.48*	
		For Class 55 Rating, Add	*1,661.04*	
		For Class 56 Rating, Add	*2,199.20*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,074.96	290.62
		For Class 52 Rating, Deduct	*-839.81*	
		For Class 54 Rating, Add	*1,150.48*	
		For Class 55 Rating, Add	*1,713.09*	
		For Class 56 Rating, Add	*2,268.07*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,311.19	292.71
		For Class 52 Rating, Deduct	*-865.45*	
		For Class 54 Rating, Add	*1,185.48*	
		For Class 55 Rating, Add	*1,765.14*	
		For Class 56 Rating, Add	*2,336.94*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,547.44	294.80
		For Class 52 Rating, Deduct	*-891.08*	
		For Class 54 Rating, Add	*1,220.48*	
		For Class 55 Rating, Add	*1,817.19*	
		For Class 56 Rating, Add	*2,405.81*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,783.67	296.89
		For Class 52 Rating, Deduct	*-916.72*	
		For Class 54 Rating, Add	*1,255.47*	
		For Class 55 Rating, Add	*1,869.24*	
		For Class 56 Rating, Add	*2,474.68*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,019.91	298.98
		For Class 52 Rating, Deduct	*-942.36*	
		For Class 54 Rating, Add	*1,290.47*	
		For Class 55 Rating, Add	*1,921.29*	
		For Class 56 Rating, Add	*2,543.55*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,256.15	301.08
		For Class 52 Rating, Deduct	*-968.00*	
		For Class 54 Rating, Add	*1,325.47*	
		For Class 55 Rating, Add	*1,973.34*	
		For Class 56 Rating, Add	*2,612.42*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,492.39	303.16
		For Class 52 Rating, Deduct	*-993.64*	
		For Class 54 Rating, Add	*1,360.47*	
		For Class 55 Rating, Add	*2,025.39*	
		For Class 56 Rating, Add	*2,681.29*	
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,728.62	305.25
		For Class 52 Rating, Deduct	*-1,019.27*	
		For Class 54 Rating, Add	*1,395.47*	
		For Class 55 Rating, Add	*2,077.44*	
		For Class 56 Rating, Add	*2,750.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,964.87	307.35
		For Class 52 Rating, Deduct	*-1,044.91*	
		For Class 54 Rating, Add	*1,430.47*	
		For Class 55 Rating, Add	*2,129.50*	
		For Class 56 Rating, Add	*2,819.03*	
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,201.10	309.44
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,465.47*	
		For Class 55 Rating, Add	*2,181.55*	
		For Class 56 Rating, Add	*2,887.89*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,437.34	311.52
		For Class 52 Rating, Deduct	*-1,096.19*	
		For Class 54 Rating, Add	*1,500.46*	
		For Class 55 Rating, Add	*2,233.60*	
		For Class 56 Rating, Add	*2,956.76*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,673.58	313.61
		For Class 52 Rating, Deduct	*-1,121.82*	
		For Class 54 Rating, Add	*1,535.46*	
		For Class 55 Rating, Add	*2,285.65*	
		For Class 56 Rating, Add	*3,025.63*	
40 05 19 00-2775		**12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,207.27	292.71
		For Class 52 Rating, Deduct	*-194.02*	
		For Class 54 Rating, Add	*269.89*	
		For Class 55 Rating, Add	*403.97*	
		For Class 56 Rating, Add	*536.28*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,500.21	294.80
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*313.39*	
		For Class 55 Rating, Add	*468.66*	
		For Class 56 Rating, Add	*621.87*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,793.13	296.89
		For Class 52 Rating, Deduct	*-257.76*	
		For Class 54 Rating, Add	*356.89*	
		For Class 55 Rating, Add	*533.35*	
		For Class 56 Rating, Add	*707.47*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,086.07	298.98
		For Class 52 Rating, Deduct	*-289.64*	
		For Class 54 Rating, Add	*400.40*	
		For Class 55 Rating, Add	*598.05*	
		For Class 56 Rating, Add	*793.06*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,379.00	301.08
		For Class 52 Rating, Deduct	*-321.51*	
		For Class 54 Rating, Add	*443.90*	
		For Class 55 Rating, Add	*662.74*	
		For Class 56 Rating, Add	*878.66*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,671.93	303.16
		For Class 52 Rating, Deduct	*-353.38*	
		For Class 54 Rating, Add	*487.40*	
		For Class 55 Rating, Add	*727.43*	
		For Class 56 Rating, Add	*964.25*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,964.86	305.25
		For Class 52 Rating, Deduct	*-385.26*	
		For Class 54 Rating, Add	*530.90*	
		For Class 55 Rating, Add	*792.13*	
		For Class 56 Rating, Add	*1,049.85*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,257.80	307.35
		For Class 52 Rating, Deduct	*-417.13*	
		For Class 54 Rating, Add	*574.41*	
		For Class 55 Rating, Add	*856.82*	
		For Class 56 Rating, Add	*1,135.44*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,550.72	309.44
		For Class 52 Rating, Deduct	*-449.01*	
		For Class 54 Rating, Add	*617.91*	
		For Class 55 Rating, Add	*921.51*	
		For Class 56 Rating, Add	*1,221.03*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,843.65	311.52
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*661.41*	
		For Class 55 Rating, Add	*986.20*	
		For Class 56 Rating, Add	*1,306.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,136.59	313.61
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*704.91*	
		For Class 55 Rating, Add	*1,050.90*	
		For Class 56 Rating, Add	*1,392.22*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,429.51	315.71
		For Class 52 Rating, Deduct	*-544.63*	
		For Class 54 Rating, Add	*748.42*	
		For Class 55 Rating, Add	*1,115.59*	
		For Class 56 Rating, Add	*1,477.82*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,722.45	317.80
		For Class 52 Rating, Deduct	*-576.50*	
		For Class 54 Rating, Add	*791.92*	
		For Class 55 Rating, Add	*1,180.28*	
		For Class 56 Rating, Add	*1,563.41*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,015.38	319.89
		For Class 52 Rating, Deduct	*-608.38*	
		For Class 54 Rating, Add	*835.42*	
		For Class 55 Rating, Add	*1,244.98*	
		For Class 56 Rating, Add	*1,649.00*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,308.31	321.98
		For Class 52 Rating, Deduct	*-640.25*	
		For Class 54 Rating, Add	*878.92*	
		For Class 55 Rating, Add	*1,309.67*	
		For Class 56 Rating, Add	*1,734.60*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,601.24	324.07
		For Class 52 Rating, Deduct	*-672.12*	
		For Class 54 Rating, Add	*922.43*	
		For Class 55 Rating, Add	*1,374.36*	
		For Class 56 Rating, Add	*1,820.19*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,894.17	326.16
		For Class 52 Rating, Deduct	*-704.00*	
		For Class 54 Rating, Add	*965.93*	
		For Class 55 Rating, Add	*1,439.06*	
		For Class 56 Rating, Add	*1,905.79*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,187.10	328.25
		For Class 52 Rating, Deduct	*-735.87*	
		For Class 54 Rating, Add	*1,009.43*	
		For Class 55 Rating, Add	*1,503.75*	
		For Class 56 Rating, Add	*1,991.38*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,480.03	330.35
		For Class 52 Rating, Deduct	*-767.75*	
		For Class 54 Rating, Add	*1,052.93*	
		For Class 55 Rating, Add	*1,568.44*	
		For Class 56 Rating, Add	*2,076.97*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,772.97	332.43
		For Class 52 Rating, Deduct	*-799.62*	
		For Class 54 Rating, Add	*1,096.44*	
		For Class 55 Rating, Add	*1,633.14*	
		For Class 56 Rating, Add	*2,162.57*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,065.89	334.52
		For Class 52 Rating, Deduct	*-831.49*	
		For Class 54 Rating, Add	*1,139.94*	
		For Class 55 Rating, Add	*1,697.83*	
		For Class 56 Rating, Add	*2,248.16*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,358.83	336.62
		For Class 52 Rating, Deduct	*-863.37*	
		For Class 54 Rating, Add	*1,183.44*	
		For Class 55 Rating, Add	*1,762.52*	
		For Class 56 Rating, Add	*2,333.76*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,651.76	338.71
		For Class 52 Rating, Deduct	*-895.24*	
		For Class 54 Rating, Add	*1,226.94*	
		For Class 55 Rating, Add	*1,827.22*	
		For Class 56 Rating, Add	*2,419.35*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,944.69	340.79
		For Class 52 Rating, Deduct	*-927.12*	
		For Class 54 Rating, Add	*1,270.45*	
		For Class 55 Rating, Add	*1,891.91*	
		For Class 56 Rating, Add	*2,504.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,237.62	342.89
		For Class 52 Rating, Deduct	*-958.99*	
		For Class 54 Rating, Add	*1,313.95*	
		For Class 55 Rating, Add	*1,956.60*	
		For Class 56 Rating, Add	*2,590.54*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,530.55	344.98
		For Class 52 Rating, Deduct	*-990.86*	
		For Class 54 Rating, Add	*1,357.45*	
		For Class 55 Rating, Add	*2,021.30*	
		For Class 56 Rating, Add	*2,676.14*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,823.48	347.07
		For Class 52 Rating, Deduct	*-1,022.74*	
		For Class 54 Rating, Add	*1,400.95*	
		For Class 55 Rating, Add	*2,085.99*	
		For Class 56 Rating, Add	*2,761.73*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,116.41	349.16
		For Class 52 Rating, Deduct	*-1,054.61*	
		For Class 54 Rating, Add	*1,444.46*	
		For Class 55 Rating, Add	*2,150.68*	
		For Class 56 Rating, Add	*2,847.32*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,409.35	351.25
		For Class 52 Rating, Deduct	*-1,086.49*	
		For Class 54 Rating, Add	*1,487.96*	
		For Class 55 Rating, Add	*2,215.38*	
		For Class 56 Rating, Add	*2,932.92*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,702.27	353.34
		For Class 52 Rating, Deduct	*-1,118.36*	
		For Class 54 Rating, Add	*1,531.46*	
		For Class 55 Rating, Add	*2,280.07*	
		For Class 56 Rating, Add	*3,018.51*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,995.21	355.43
		For Class 52 Rating, Deduct	*-1,150.23*	
		For Class 54 Rating, Add	*1,574.96*	
		For Class 55 Rating, Add	*2,344.76*	
		For Class 56 Rating, Add	*3,104.11*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,288.14	357.53
		For Class 52 Rating, Deduct	*-1,182.11*	
		For Class 54 Rating, Add	*1,618.47*	
		For Class 55 Rating, Add	*2,409.46*	
		For Class 56 Rating, Add	*3,189.70*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,581.06	359.62
		For Class 52 Rating, Deduct	*-1,213.98*	
		For Class 54 Rating, Add	*1,661.97*	
		For Class 55 Rating, Add	*2,474.15*	
		For Class 56 Rating, Add	*3,275.29*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,874.00	361.70
		For Class 52 Rating, Deduct	*-1,245.86*	
		For Class 54 Rating, Add	*1,705.47*	
		For Class 55 Rating, Add	*2,538.84*	
		For Class 56 Rating, Add	*3,360.89*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,166.92	363.79
		For Class 52 Rating, Deduct	*-1,277.73*	
		For Class 54 Rating, Add	*1,748.97*	
		For Class 55 Rating, Add	*2,603.53*	
		For Class 56 Rating, Add	*3,446.48*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,459.87	365.89
		For Class 52 Rating, Deduct	*-1,309.60*	
		For Class 54 Rating, Add	*1,792.48*	
		For Class 55 Rating, Add	*2,668.23*	
		For Class 56 Rating, Add	*3,532.08*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,752.79	367.98
		For Class 52 Rating, Deduct	*-1,341.48*	
		For Class 54 Rating, Add	*1,835.98*	
		For Class 55 Rating, Add	*2,732.92*	
		For Class 56 Rating, Add	*3,617.67*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,045.72	370.07
		For Class 52 Rating, Deduct	*-1,373.35*	
		For Class 54 Rating, Add	*1,879.48*	
		For Class 55 Rating, Add	*2,797.61*	
		For Class 56 Rating, Add	*3,703.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,338.66	372.16
		For Class 52 Rating, Deduct	*-1,405.23*	
		For Class 54 Rating, Add	*1,922.98*	
		For Class 55 Rating, Add	*2,862.31*	
		For Class 56 Rating, Add	*3,788.86*	

40 05 19 00-2815 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,133.77	351.25
		For Class 52 Rating, Deduct	*-286.17*	
		For Class 54 Rating, Add	*396.62*	
		For Class 55 Rating, Add	*592.92*	
		For Class 56 Rating, Add	*786.62*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,489.68	353.34
		For Class 52 Rating, Deduct	*-324.98*	
		For Class 54 Rating, Add	*449.57*	
		For Class 55 Rating, Add	*671.66*	
		For Class 56 Rating, Add	*890.80*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,845.62	355.43
		For Class 52 Rating, Deduct	*-363.78*	
		For Class 54 Rating, Add	*502.52*	
		For Class 55 Rating, Add	*750.40*	
		For Class 56 Rating, Add	*994.98*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,201.54	357.53
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*555.48*	
		For Class 55 Rating, Add	*829.15*	
		For Class 56 Rating, Add	*1,099.15*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.45	359.62
		For Class 52 Rating, Deduct	*-441.38*	
		For Class 54 Rating, Add	*608.43*	
		For Class 55 Rating, Add	*907.88*	
		For Class 56 Rating, Add	*1,203.33*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,913.39	361.70
		For Class 52 Rating, Deduct	*-480.19*	
		For Class 54 Rating, Add	*661.38*	
		For Class 55 Rating, Add	*986.63*	
		For Class 56 Rating, Add	*1,307.51*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,269.30	363.79
		For Class 52 Rating, Deduct	*-518.99*	
		For Class 54 Rating, Add	*714.33*	
		For Class 55 Rating, Add	*1,065.37*	
		For Class 56 Rating, Add	*1,411.68*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,625.24	365.89
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*767.28*	
		For Class 55 Rating, Add	*1,144.11*	
		For Class 56 Rating, Add	*1,515.86*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,981.15	367.98
		For Class 52 Rating, Deduct	*-596.60*	
		For Class 54 Rating, Add	*820.23*	
		For Class 55 Rating, Add	*1,222.85*	
		For Class 56 Rating, Add	*1,620.04*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,337.08	370.07
		For Class 52 Rating, Deduct	*-635.40*	
		For Class 54 Rating, Add	*873.18*	
		For Class 55 Rating, Add	*1,301.59*	
		For Class 56 Rating, Add	*1,724.21*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,693.00	372.16
		For Class 52 Rating, Deduct	*-674.20*	
		For Class 54 Rating, Add	*926.13*	
		For Class 55 Rating, Add	*1,380.33*	
		For Class 56 Rating, Add	*1,828.39*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,048.93	374.25
		For Class 52 Rating, Deduct	*-713.01*	
		For Class 54 Rating, Add	*979.09*	
		For Class 55 Rating, Add	*1,459.07*	
		For Class 56 Rating, Add	*1,932.57*	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,404.84	376.34
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,032.04*	
		For Class 55 Rating, Add	*1,537.81*	
		For Class 56 Rating, Add	*2,036.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,760.77	378.43
		For Class 52 Rating, Deduct	*-790.61*	
		For Class 54 Rating, Add	*1,084.99*	
		For Class 55 Rating, Add	*1,616.55*	
		For Class 56 Rating, Add	*2,140.92*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,116.69	380.52
		For Class 52 Rating, Deduct	*-829.42*	
		For Class 54 Rating, Add	*1,137.94*	
		For Class 55 Rating, Add	*1,695.29*	
		For Class 56 Rating, Add	*2,245.10*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,472.61	382.61
		For Class 52 Rating, Deduct	*-868.22*	
		For Class 54 Rating, Add	*1,190.89*	
		For Class 55 Rating, Add	*1,774.03*	
		For Class 56 Rating, Add	*2,349.28*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,828.54	384.70
		For Class 52 Rating, Deduct	*-907.02*	
		For Class 54 Rating, Add	*1,243.84*	
		For Class 55 Rating, Add	*1,852.77*	
		For Class 56 Rating, Add	*2,453.45*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,184.46	386.80
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,296.79*	
		For Class 55 Rating, Add	*1,931.51*	
		For Class 56 Rating, Add	*2,557.63*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,540.38	388.89
		For Class 52 Rating, Deduct	*-984.63*	
		For Class 54 Rating, Add	*1,349.74*	
		For Class 55 Rating, Add	*2,010.25*	
		For Class 56 Rating, Add	*2,661.80*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,896.31	390.97
		For Class 52 Rating, Deduct	*-1,023.43*	
		For Class 54 Rating, Add	*1,402.70*	
		For Class 55 Rating, Add	*2,088.99*	
		For Class 56 Rating, Add	*2,765.98*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,252.23	393.06
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,455.65*	
		For Class 55 Rating, Add	*2,167.73*	
		For Class 56 Rating, Add	*2,870.16*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,608.15	395.16
		For Class 52 Rating, Deduct	*-1,101.04*	
		For Class 54 Rating, Add	*1,508.60*	
		For Class 55 Rating, Add	*2,246.47*	
		For Class 56 Rating, Add	*2,974.34*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,964.07	397.25
		For Class 52 Rating, Deduct	*-1,139.84*	
		For Class 54 Rating, Add	*1,561.55*	
		For Class 55 Rating, Add	*2,325.21*	
		For Class 56 Rating, Add	*3,078.51*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,320.00	399.34
		For Class 52 Rating, Deduct	*-1,178.64*	
		For Class 54 Rating, Add	*1,614.50*	
		For Class 55 Rating, Add	*2,403.95*	
		For Class 56 Rating, Add	*3,182.69*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,675.91	401.43
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,667.45*	
		For Class 55 Rating, Add	*2,482.69*	
		For Class 56 Rating, Add	*3,286.86*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,031.85	403.52
		For Class 52 Rating, Deduct	*-1,256.25*	
		For Class 54 Rating, Add	*1,720.40*	
		For Class 55 Rating, Add	*2,561.43*	
		For Class 56 Rating, Add	*3,391.04*	
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,387.76	405.61
		For Class 52 Rating, Deduct	*-1,295.05*	
		For Class 54 Rating, Add	*1,773.35*	
		For Class 55 Rating, Add	*2,640.17*	
		For Class 56 Rating, Add	*3,495.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,743.69	407.70
		For Class 52 Rating, Deduct	*-1,333.86*	
		For Class 54 Rating, Add	*1,826.31*	
		For Class 55 Rating, Add	*2,718.91*	
		For Class 56 Rating, Add	*3,599.40*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,099.62	409.79
		For Class 52 Rating, Deduct	*-1,372.66*	
		For Class 54 Rating, Add	*1,879.26*	
		For Class 55 Rating, Add	*2,797.66*	
		For Class 56 Rating, Add	*3,703.57*	
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,455.53	411.88
		For Class 52 Rating, Deduct	*-1,411.46*	
		For Class 54 Rating, Add	*1,932.21*	
		For Class 55 Rating, Add	*2,876.40*	
		For Class 56 Rating, Add	*3,807.75*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,811.46	413.97
		For Class 52 Rating, Deduct	*-1,450.27*	
		For Class 54 Rating, Add	*1,985.16*	
		For Class 55 Rating, Add	*2,955.14*	
		For Class 56 Rating, Add	*3,911.93*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,167.38	416.07
		For Class 52 Rating, Deduct	*-1,489.07*	
		For Class 54 Rating, Add	*2,038.11*	
		For Class 55 Rating, Add	*3,033.88*	
		For Class 56 Rating, Add	*4,016.10*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,523.31	418.16
		For Class 52 Rating, Deduct	*-1,527.87*	
		For Class 54 Rating, Add	*2,091.06*	
		For Class 55 Rating, Add	*3,112.62*	
		For Class 56 Rating, Add	*4,120.28*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,879.23	420.24
		For Class 52 Rating, Deduct	*-1,566.67*	
		For Class 54 Rating, Add	*2,144.01*	
		For Class 55 Rating, Add	*3,191.36*	
		For Class 56 Rating, Add	*4,224.46*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,235.16	422.34
		For Class 52 Rating, Deduct	*-1,605.48*	
		For Class 54 Rating, Add	*2,196.97*	
		For Class 55 Rating, Add	*3,270.10*	
		For Class 56 Rating, Add	*4,328.64*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,591.07	424.43
		For Class 52 Rating, Deduct	*-1,644.28*	
		For Class 54 Rating, Add	*2,249.92*	
		For Class 55 Rating, Add	*3,348.84*	
		For Class 56 Rating, Add	*4,432.81*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,947.01	426.52
		For Class 52 Rating, Deduct	*-1,683.08*	
		For Class 54 Rating, Add	*2,302.87*	
		For Class 55 Rating, Add	*3,427.58*	
		For Class 56 Rating, Add	*4,536.99*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,302.92	428.61
		For Class 52 Rating, Deduct	*-1,721.89*	
		For Class 54 Rating, Add	*2,355.82*	
		For Class 55 Rating, Add	*3,506.32*	
		For Class 56 Rating, Add	*4,641.16*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,679.08	401.43
		For Class 52 Rating, Deduct	*-337.79*	
		For Class 54 Rating, Add	*467.93*	
		For Class 55 Rating, Add	*699.40*	
		For Class 56 Rating, Add	*927.80*	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,091.71	403.52
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*529.38*	
		For Class 55 Rating, Add	*790.78*	
		For Class 56 Rating, Add	*1,048.70*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,504.32	405.61
		For Class 52 Rating, Deduct	*-427.87*	
		For Class 54 Rating, Add	*590.84*	
		For Class 55 Rating, Add	*882.17*	
		For Class 56 Rating, Add	*1,169.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,916.93	407.70
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*652.29*	
		For Class 55 Rating, Add	*973.55*	
		For Class 56 Rating, Add	*1,290.50*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,329.55	409.79
		For Class 52 Rating, Deduct	*-517.95*	
		For Class 54 Rating, Add	*713.75*	
		For Class 55 Rating, Add	*1,064.93*	
		For Class 56 Rating, Add	*1,411.40*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,742.16	411.88
		For Class 52 Rating, Deduct	*-562.99*	
		For Class 54 Rating, Add	*775.20*	
		For Class 55 Rating, Add	*1,156.31*	
		For Class 56 Rating, Add	*1,532.31*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,154.78	413.97
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*836.66*	
		For Class 55 Rating, Add	*1,247.70*	
		For Class 56 Rating, Add	*1,653.21*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,567.40	416.07
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*898.11*	
		For Class 55 Rating, Add	*1,339.08*	
		For Class 56 Rating, Add	*1,774.11*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,980.01	418.16
		For Class 52 Rating, Deduct	*-698.11*	
		For Class 54 Rating, Add	*959.57*	
		For Class 55 Rating, Add	*1,430.46*	
		For Class 56 Rating, Add	*1,895.01*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,392.63	420.24
		For Class 52 Rating, Deduct	*-743.15*	
		For Class 54 Rating, Add	*1,021.02*	
		For Class 55 Rating, Add	*1,521.85*	
		For Class 56 Rating, Add	*2,015.91*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,805.25	422.34
		For Class 52 Rating, Deduct	*-788.19*	
		For Class 54 Rating, Add	*1,082.48*	
		For Class 55 Rating, Add	*1,613.23*	
		For Class 56 Rating, Add	*2,136.81*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,217.86	424.43
		For Class 52 Rating, Deduct	*-833.23*	
		For Class 54 Rating, Add	*1,143.94*	
		For Class 55 Rating, Add	*1,704.61*	
		For Class 56 Rating, Add	*2,257.71*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,630.49	426.52
		For Class 52 Rating, Deduct	*-878.27*	
		For Class 54 Rating, Add	*1,205.39*	
		For Class 55 Rating, Add	*1,796.00*	
		For Class 56 Rating, Add	*2,378.62*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,043.09	428.61
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,266.84*	
		For Class 55 Rating, Add	*1,887.38*	
		For Class 56 Rating, Add	*2,499.51*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,455.70	430.70
		For Class 52 Rating, Deduct	*-968.34*	
		For Class 54 Rating, Add	*1,328.30*	
		For Class 55 Rating, Add	*1,978.76*	
		For Class 56 Rating, Add	*2,620.42*	
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,868.33	432.79
		For Class 52 Rating, Deduct	*-1,013.38*	
		For Class 54 Rating, Add	*1,389.76*	
		For Class 55 Rating, Add	*2,070.14*	
		For Class 56 Rating, Add	*2,741.32*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,280.94	434.88
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,451.21*	
		For Class 55 Rating, Add	*2,161.53*	
		For Class 56 Rating, Add	*2,862.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,693.56	436.98
		For Class 52 Rating, Deduct	*-1,103.46*	
		For Class 54 Rating, Add	*1,512.67*	
		For Class 55 Rating, Add	*2,252.91*	
		For Class 56 Rating, Add	*2,983.12*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,106.17	439.07
		For Class 52 Rating, Deduct	*-1,148.50*	
		For Class 54 Rating, Add	*1,574.12*	
		For Class 55 Rating, Add	*2,344.29*	
		For Class 56 Rating, Add	*3,104.02*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,518.79	441.15
		For Class 52 Rating, Deduct	*-1,193.54*	
		For Class 54 Rating, Add	*1,635.58*	
		For Class 55 Rating, Add	*2,435.67*	
		For Class 56 Rating, Add	*3,224.92*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,931.40	443.24
		For Class 52 Rating, Deduct	*-1,238.58*	
		For Class 54 Rating, Add	*1,697.03*	
		For Class 55 Rating, Add	*2,527.06*	
		For Class 56 Rating, Add	*3,345.82*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,344.02	445.34
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,758.49*	
		For Class 55 Rating, Add	*2,618.44*	
		For Class 56 Rating, Add	*3,466.73*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,756.64	447.43
		For Class 52 Rating, Deduct	*-1,328.66*	
		For Class 54 Rating, Add	*1,819.94*	
		For Class 55 Rating, Add	*2,709.82*	
		For Class 56 Rating, Add	*3,587.63*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,169.24	449.51
		For Class 52 Rating, Deduct	*-1,373.70*	
		For Class 54 Rating, Add	*1,881.40*	
		For Class 55 Rating, Add	*2,801.21*	
		For Class 56 Rating, Add	*3,708.53*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,581.87	451.61
		For Class 52 Rating, Deduct	*-1,418.74*	
		For Class 54 Rating, Add	*1,942.85*	
		For Class 55 Rating, Add	*2,892.59*	
		For Class 56 Rating, Add	*3,829.43*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,994.48	453.70
		For Class 52 Rating, Deduct	*-1,463.78*	
		For Class 54 Rating, Add	*2,004.31*	
		For Class 55 Rating, Add	*2,983.97*	
		For Class 56 Rating, Add	*3,950.33*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,407.10	455.79
		For Class 52 Rating, Deduct	*-1,508.82*	
		For Class 54 Rating, Add	*2,065.76*	
		For Class 55 Rating, Add	*3,075.36*	
		For Class 56 Rating, Add	*4,071.23*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,819.72	457.88
		For Class 52 Rating, Deduct	*-1,553.86*	
		For Class 54 Rating, Add	*2,127.22*	
		For Class 55 Rating, Add	*3,166.74*	
		For Class 56 Rating, Add	*4,192.13*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,232.33	459.97
		For Class 52 Rating, Deduct	*-1,598.89*	
		For Class 54 Rating, Add	*2,188.67*	
		For Class 55 Rating, Add	*3,258.12*	
		For Class 56 Rating, Add	*4,313.03*	
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,644.94	462.06
		For Class 52 Rating, Deduct	*-1,643.93*	
		For Class 54 Rating, Add	*2,250.13*	
		For Class 55 Rating, Add	*3,349.50*	
		For Class 56 Rating, Add	*4,433.93*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,057.56	464.15
		For Class 52 Rating, Deduct	*-1,688.97*	
		For Class 54 Rating, Add	*2,311.58*	
		For Class 55 Rating, Add	*3,440.89*	
		For Class 56 Rating, Add	*4,554.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,470.18	466.25
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,373.04*	
		For Class 55 Rating, Add	*3,532.27*	
		For Class 56 Rating, Add	*4,675.74*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,882.79	468.34
		For Class 52 Rating, Deduct	*-1,779.05*	
		For Class 54 Rating, Add	*2,434.50*	
		For Class 55 Rating, Add	*3,623.65*	
		For Class 56 Rating, Add	*4,796.64*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,295.41	470.42
		For Class 52 Rating, Deduct	*-1,824.09*	
		For Class 54 Rating, Add	*2,495.95*	
		For Class 55 Rating, Add	*3,715.04*	
		For Class 56 Rating, Add	*4,917.54*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,708.02	472.51
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,557.40*	
		For Class 55 Rating, Add	*3,806.42*	
		For Class 56 Rating, Add	*5,038.44*	
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,120.64	474.61
		For Class 52 Rating, Deduct	*-1,914.17*	
		For Class 54 Rating, Add	*2,618.86*	
		For Class 55 Rating, Add	*3,897.80*	
		For Class 56 Rating, Add	*5,159.34*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,533.26	476.70
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,680.32*	
		For Class 55 Rating, Add	*3,989.19*	
		For Class 56 Rating, Add	*5,280.24*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,945.87	478.79
		For Class 52 Rating, Deduct	*-2,004.25*	
		For Class 54 Rating, Add	*2,741.77*	
		For Class 55 Rating, Add	*4,080.57*	
		For Class 56 Rating, Add	*5,401.15*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,323.31	452.45
		For Class 52 Rating, Deduct	*-400.16*	
		For Class 54 Rating, Add	*553.89*	
		For Class 55 Rating, Add	*827.68*	
		For Class 56 Rating, Add	*1,097.83*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,798.92	454.54
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*624.80*	
		For Class 55 Rating, Add	*933.11*	
		For Class 56 Rating, Add	*1,237.31*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,274.53	456.63
		For Class 52 Rating, Deduct	*-504.09*	
		For Class 54 Rating, Add	*695.70*	
		For Class 55 Rating, Add	*1,038.54*	
		For Class 56 Rating, Add	*1,376.79*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,750.13	458.72
		For Class 52 Rating, Deduct	*-556.06*	
		For Class 54 Rating, Add	*766.61*	
		For Class 55 Rating, Add	*1,143.97*	
		For Class 56 Rating, Add	*1,516.28*	
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,225.75	460.81
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*837.51*	
		For Class 55 Rating, Add	*1,249.40*	
		For Class 56 Rating, Add	*1,655.76*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,701.35	462.90
		For Class 52 Rating, Deduct	*-660.00*	
		For Class 54 Rating, Add	*908.41*	
		For Class 55 Rating, Add	*1,354.83*	
		For Class 56 Rating, Add	*1,795.25*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,176.96	465.00
		For Class 52 Rating, Deduct	*-711.97*	
		For Class 54 Rating, Add	*979.32*	
		For Class 55 Rating, Add	*1,460.26*	
		For Class 56 Rating, Add	*1,934.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,652.57	467.08
		For Class 52 Rating, Deduct	*-763.94*	
		For Class 54 Rating, Add	*1,050.22*	
		For Class 55 Rating, Add	*1,565.69*	
		For Class 56 Rating, Add	*2,074.21*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,128.17	469.17
		For Class 52 Rating, Deduct	*-815.90*	
		For Class 54 Rating, Add	*1,121.13*	
		For Class 55 Rating, Add	*1,671.12*	
		For Class 56 Rating, Add	*2,213.70*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,603.78	471.27
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,192.03*	
		For Class 55 Rating, Add	*1,776.55*	
		For Class 56 Rating, Add	*2,353.18*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,079.39	473.36
		For Class 52 Rating, Deduct	*-919.84*	
		For Class 54 Rating, Add	*1,262.93*	
		For Class 55 Rating, Add	*1,881.98*	
		For Class 56 Rating, Add	*2,492.67*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,555.00	475.45
		For Class 52 Rating, Deduct	*-971.81*	
		For Class 54 Rating, Add	*1,333.84*	
		For Class 55 Rating, Add	*1,987.41*	
		For Class 56 Rating, Add	*2,632.15*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,030.60	477.53
		For Class 52 Rating, Deduct	*-1,023.78*	
		For Class 54 Rating, Add	*1,404.74*	
		For Class 55 Rating, Add	*2,092.84*	
		For Class 56 Rating, Add	*2,771.63*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,506.22	479.63
		For Class 52 Rating, Deduct	*-1,075.75*	
		For Class 54 Rating, Add	*1,475.65*	
		For Class 55 Rating, Add	*2,198.27*	
		For Class 56 Rating, Add	*2,911.12*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,981.82	481.72
		For Class 52 Rating, Deduct	*-1,127.71*	
		For Class 54 Rating, Add	*1,546.55*	
		For Class 55 Rating, Add	*2,303.70*	
		For Class 56 Rating, Add	*3,050.60*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,457.43	483.81
		For Class 52 Rating, Deduct	*-1,179.68*	
		For Class 54 Rating, Add	*1,617.45*	
		For Class 55 Rating, Add	*2,409.13*	
		For Class 56 Rating, Add	*3,190.08*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,933.04	485.90
		For Class 52 Rating, Deduct	*-1,231.65*	
		For Class 54 Rating, Add	*1,688.36*	
		For Class 55 Rating, Add	*2,514.56*	
		For Class 56 Rating, Add	*3,329.57*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,408.64	487.99
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,759.26*	
		For Class 55 Rating, Add	*2,619.99*	
		For Class 56 Rating, Add	*3,469.05*	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,884.25	490.08
		For Class 52 Rating, Deduct	*-1,335.59*	
		For Class 54 Rating, Add	*1,830.17*	
		For Class 55 Rating, Add	*2,725.42*	
		For Class 56 Rating, Add	*3,608.54*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,359.86	492.17
		For Class 52 Rating, Deduct	*-1,387.56*	
		For Class 54 Rating, Add	*1,901.07*	
		For Class 55 Rating, Add	*2,830.85*	
		For Class 56 Rating, Add	*3,748.02*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,835.47	494.27
		For Class 52 Rating, Deduct	*-1,439.52*	
		For Class 54 Rating, Add	*1,971.98*	
		For Class 55 Rating, Add	*2,936.28*	
		For Class 56 Rating, Add	*3,887.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,311.07	496.35
		For Class 52 Rating, Deduct	*-1,491.49*	
		For Class 54 Rating, Add	*2,042.88*	
		For Class 55 Rating, Add	*3,041.71*	
		For Class 56 Rating, Add	*4,026.99*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,786.69	498.44
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,113.78*	
		For Class 55 Rating, Add	*3,147.14*	
		For Class 56 Rating, Add	*4,166.47*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,262.29	500.54
		For Class 52 Rating, Deduct	*-1,595.43*	
		For Class 54 Rating, Add	*2,184.69*	
		For Class 55 Rating, Add	*3,252.57*	
		For Class 56 Rating, Add	*4,305.96*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,737.91	502.63
		For Class 52 Rating, Deduct	*-1,647.40*	
		For Class 54 Rating, Add	*2,255.59*	
		For Class 55 Rating, Add	*3,358.00*	
		For Class 56 Rating, Add	*4,445.44*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,213.51	504.72
		For Class 52 Rating, Deduct	*-1,699.37*	
		For Class 54 Rating, Add	*2,326.50*	
		For Class 55 Rating, Add	*3,463.43*	
		For Class 56 Rating, Add	*4,584.92*	
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,689.11	506.80
		For Class 52 Rating, Deduct	*-1,751.34*	
		For Class 54 Rating, Add	*2,397.40*	
		For Class 55 Rating, Add	*3,568.86*	
		For Class 56 Rating, Add	*4,724.41*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,164.73	508.90
		For Class 52 Rating, Deduct	*-1,803.30*	
		For Class 54 Rating, Add	*2,468.30*	
		For Class 55 Rating, Add	*3,674.29*	
		For Class 56 Rating, Add	*4,863.89*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,640.33	510.99
		For Class 52 Rating, Deduct	*-1,855.27*	
		For Class 54 Rating, Add	*2,539.21*	
		For Class 55 Rating, Add	*3,779.72*	
		For Class 56 Rating, Add	*5,003.37*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,115.94	513.08
		For Class 52 Rating, Deduct	*-1,907.24*	
		For Class 54 Rating, Add	*2,610.11*	
		For Class 55 Rating, Add	*3,885.15*	
		For Class 56 Rating, Add	*5,142.86*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,591.55	515.17
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,681.02*	
		For Class 55 Rating, Add	*3,990.58*	
		For Class 56 Rating, Add	*5,282.34*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,067.16	517.26
		For Class 52 Rating, Deduct	*-2,011.18*	
		For Class 54 Rating, Add	*2,751.92*	
		For Class 55 Rating, Add	*4,096.01*	
		For Class 56 Rating, Add	*5,421.83*	
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,542.76	519.35
		For Class 52 Rating, Deduct	*-2,063.15*	
		For Class 54 Rating, Add	*2,822.82*	
		For Class 55 Rating, Add	*4,201.44*	
		For Class 56 Rating, Add	*5,561.31*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,018.37	521.44
		For Class 52 Rating, Deduct	*-2,115.11*	
		For Class 54 Rating, Add	*2,893.73*	
		For Class 55 Rating, Add	*4,306.87*	
		For Class 56 Rating, Add	*5,700.79*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,493.98	523.54
		For Class 52 Rating, Deduct	*-2,167.08*	
		For Class 54 Rating, Add	*2,964.63*	
		For Class 55 Rating, Add	*4,412.30*	
		For Class 56 Rating, Add	*5,840.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,969.58	525.62
		For Class 52 Rating, Deduct	*-2,219.05*	
		For Class 54 Rating, Add	*3,035.54*	
		For Class 55 Rating, Add	*4,517.73*	
		For Class 56 Rating, Add	*5,979.76*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,445.20	527.71
		For Class 52 Rating, Deduct	*-2,271.02*	
		For Class 54 Rating, Add	*3,106.44*	
		For Class 55 Rating, Add	*4,623.17*	
		For Class 56 Rating, Add	*6,119.25*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,920.80	529.81
		For Class 52 Rating, Deduct	*-2,322.99*	
		For Class 54 Rating, Add	*3,177.34*	
		For Class 55 Rating, Add	*4,728.60*	
		For Class 56 Rating, Add	*6,258.73*	
40 05 19 00-2932		**20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,018.66	516.43
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*644.82*	
		For Class 55 Rating, Add	*963.45*	
		For Class 56 Rating, Add	*1,277.85*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,560.42	518.51
		For Class 52 Rating, Deduct	*-525.23*	
		For Class 54 Rating, Add	*725.65*	
		For Class 55 Rating, Add	*1,083.63*	
		For Class 56 Rating, Add	*1,436.85*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,102.17	520.60
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*806.47*	
		For Class 55 Rating, Add	*1,203.81*	
		For Class 56 Rating, Add	*1,595.84*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,643.92	522.69
		For Class 52 Rating, Deduct	*-643.72*	
		For Class 54 Rating, Add	*887.30*	
		For Class 55 Rating, Add	*1,323.99*	
		For Class 56 Rating, Add	*1,754.84*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,185.67	524.79
		For Class 52 Rating, Deduct	*-702.96*	
		For Class 54 Rating, Add	*968.12*	
		For Class 55 Rating, Add	*1,444.17*	
		For Class 56 Rating, Add	*1,913.83*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,727.42	526.88
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,048.95*	
		For Class 55 Rating, Add	*1,564.35*	
		For Class 56 Rating, Add	*2,072.83*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,269.16	528.96
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,129.77*	
		For Class 55 Rating, Add	*1,684.53*	
		For Class 56 Rating, Add	*2,231.82*	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,810.91	531.06
		For Class 52 Rating, Deduct	*-880.69*	
		For Class 54 Rating, Add	*1,210.60*	
		For Class 55 Rating, Add	*1,804.71*	
		For Class 56 Rating, Add	*2,390.82*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,352.66	533.15
		For Class 52 Rating, Deduct	*-939.93*	
		For Class 54 Rating, Add	*1,291.42*	
		For Class 55 Rating, Add	*1,924.89*	
		For Class 56 Rating, Add	*2,549.81*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,894.42	535.24
		For Class 52 Rating, Deduct	*-999.18*	
		For Class 54 Rating, Add	*1,372.25*	
		For Class 55 Rating, Add	*2,045.07*	
		For Class 56 Rating, Add	*2,708.81*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,436.17	537.33
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,453.07*	
		For Class 55 Rating, Add	*2,165.25*	
		For Class 56 Rating, Add	*2,867.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,977.91	539.42
		For Class 52 Rating, Deduct	*-1,117.67*	
		For Class 54 Rating, Add	*1,533.90*	
		For Class 55 Rating, Add	*2,285.43*	
		For Class 56 Rating, Add	*3,026.80*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,519.67	541.51
		For Class 52 Rating, Deduct	*-1,176.91*	
		For Class 54 Rating, Add	*1,614.72*	
		For Class 55 Rating, Add	*2,405.61*	
		For Class 56 Rating, Add	*3,185.80*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,061.41	543.60
		For Class 52 Rating, Deduct	*-1,236.15*	
		For Class 54 Rating, Add	*1,695.55*	
		For Class 55 Rating, Add	*2,525.79*	
		For Class 56 Rating, Add	*3,344.79*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,603.16	545.70
		For Class 52 Rating, Deduct	*-1,295.40*	
		For Class 54 Rating, Add	*1,776.37*	
		For Class 55 Rating, Add	*2,645.97*	
		For Class 56 Rating, Add	*3,503.79*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,144.92	547.79
		For Class 52 Rating, Deduct	*-1,354.64*	
		For Class 54 Rating, Add	*1,857.20*	
		For Class 55 Rating, Add	*2,766.15*	
		For Class 56 Rating, Add	*3,662.79*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,686.66	549.87
		For Class 52 Rating, Deduct	*-1,413.89*	
		For Class 54 Rating, Add	*1,938.03*	
		For Class 55 Rating, Add	*2,886.33*	
		For Class 56 Rating, Add	*3,821.78*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,228.41	551.96
		For Class 52 Rating, Deduct	*-1,473.13*	
		For Class 54 Rating, Add	*2,018.85*	
		For Class 55 Rating, Add	*3,006.51*	
		For Class 56 Rating, Add	*3,980.78*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,770.16	554.06
		For Class 52 Rating, Deduct	*-1,532.37*	
		For Class 54 Rating, Add	*2,099.68*	
		For Class 55 Rating, Add	*3,126.69*	
		For Class 56 Rating, Add	*4,139.77*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,311.91	556.15
		For Class 52 Rating, Deduct	*-1,591.62*	
		For Class 54 Rating, Add	*2,180.50*	
		For Class 55 Rating, Add	*3,246.87*	
		For Class 56 Rating, Add	*4,298.77*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,853.65	558.23
		For Class 52 Rating, Deduct	*-1,650.86*	
		For Class 54 Rating, Add	*2,261.33*	
		For Class 55 Rating, Add	*3,367.05*	
		For Class 56 Rating, Add	*4,457.76*	
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,395.42	560.33
		For Class 52 Rating, Deduct	*-1,710.11*	
		For Class 54 Rating, Add	*2,342.15*	
		For Class 55 Rating, Add	*3,487.23*	
		For Class 56 Rating, Add	*4,616.76*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,937.16	562.42
		For Class 52 Rating, Deduct	*-1,769.35*	
		For Class 54 Rating, Add	*2,422.98*	
		For Class 55 Rating, Add	*3,607.41*	
		For Class 56 Rating, Add	*4,775.76*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,478.90	564.51
		For Class 52 Rating, Deduct	*-1,828.59*	
		For Class 54 Rating, Add	*2,503.80*	
		For Class 55 Rating, Add	*3,727.59*	
		For Class 56 Rating, Add	*4,934.75*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,020.66	566.60
		For Class 52 Rating, Deduct	*-1,887.84*	
		For Class 54 Rating, Add	*2,584.63*	
		For Class 55 Rating, Add	*3,847.77*	
		For Class 56 Rating, Add	*5,093.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,562.40	568.69
		For Class 52 Rating, Deduct	*-1,947.08*	
		For Class 54 Rating, Add	*2,665.45*	
		For Class 55 Rating, Add	*3,967.95*	
		For Class 56 Rating, Add	*5,252.74*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,104.15	570.78
		For Class 52 Rating, Deduct	*-2,006.33*	
		For Class 54 Rating, Add	*2,746.28*	
		For Class 55 Rating, Add	*4,088.13*	
		For Class 56 Rating, Add	*5,411.74*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,645.91	572.87
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,827.10*	
		For Class 55 Rating, Add	*4,208.31*	
		For Class 56 Rating, Add	*5,570.73*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,187.66	574.97
		For Class 52 Rating, Deduct	*-2,124.82*	
		For Class 54 Rating, Add	*2,907.93*	
		For Class 55 Rating, Add	*4,328.49*	
		For Class 56 Rating, Add	*5,729.73*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,729.40	577.06
		For Class 52 Rating, Deduct	*-2,184.06*	
		For Class 54 Rating, Add	*2,988.75*	
		For Class 55 Rating, Add	*4,448.67*	
		For Class 56 Rating, Add	*5,888.72*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,271.16	579.14
		For Class 52 Rating, Deduct	*-2,243.30*	
		For Class 54 Rating, Add	*3,069.58*	
		For Class 55 Rating, Add	*4,568.85*	
		For Class 56 Rating, Add	*6,047.72*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,812.90	581.24
		For Class 52 Rating, Deduct	*-2,302.55*	
		For Class 54 Rating, Add	*3,150.40*	
		For Class 55 Rating, Add	*4,689.03*	
		For Class 56 Rating, Add	*6,206.71*	
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,354.64	583.33
		For Class 52 Rating, Deduct	*-2,361.79*	
		For Class 54 Rating, Add	*3,231.23*	
		For Class 55 Rating, Add	*4,809.20*	
		For Class 56 Rating, Add	*6,365.71*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,896.40	585.42
		For Class 52 Rating, Deduct	*-2,421.03*	
		For Class 54 Rating, Add	*3,312.05*	
		For Class 55 Rating, Add	*4,929.38*	
		For Class 56 Rating, Add	*6,524.71*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,438.15	587.50
		For Class 52 Rating, Deduct	*-2,480.28*	
		For Class 54 Rating, Add	*3,392.88*	
		For Class 55 Rating, Add	*5,049.57*	
		For Class 56 Rating, Add	*6,683.70*	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,979.91	589.60
		For Class 52 Rating, Deduct	*-2,539.52*	
		For Class 54 Rating, Add	*3,473.71*	
		For Class 55 Rating, Add	*5,169.75*	
		For Class 56 Rating, Add	*6,842.70*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,521.65	591.69
		For Class 52 Rating, Deduct	*-2,598.77*	
		For Class 54 Rating, Add	*3,554.53*	
		For Class 55 Rating, Add	*5,289.92*	
		For Class 56 Rating, Add	*7,001.69*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,063.40	593.78
		For Class 52 Rating, Deduct	*-2,658.01*	
		For Class 54 Rating, Add	*3,635.36*	
		For Class 55 Rating, Add	*5,410.10*	
		For Class 56 Rating, Add	*7,160.69*	
40 05 19 00-2971		24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,273.03	610.51
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*813.30*	
		For Class 55 Rating, Add	*1,214.81*	
		For Class 56 Rating, Add	*1,610.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,943.92	612.60
		For Class 52 Rating, Deduct	*-661.73*	
		For Class 54 Rating, Add	*913.50*	
		For Class 55 Rating, Add	*1,363.79*	
		For Class 56 Rating, Add	*1,808.06*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,614.80	614.69
		For Class 52 Rating, Deduct	*-735.18*	
		For Class 54 Rating, Add	*1,013.69*	
		For Class 55 Rating, Add	*1,512.76*	
		For Class 56 Rating, Add	*2,005.15*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,285.68	616.78
		For Class 52 Rating, Deduct	*-808.63*	
		For Class 54 Rating, Add	*1,113.89*	
		For Class 55 Rating, Add	*1,661.74*	
		For Class 56 Rating, Add	*2,202.24*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,956.56	618.87
		For Class 52 Rating, Deduct	*-882.08*	
		For Class 54 Rating, Add	*1,214.08*	
		For Class 55 Rating, Add	*1,810.71*	
		For Class 56 Rating, Add	*2,399.33*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,627.45	620.96
		For Class 52 Rating, Deduct	*-955.53*	
		For Class 54 Rating, Add	*1,314.28*	
		For Class 55 Rating, Add	*1,959.69*	
		For Class 56 Rating, Add	*2,596.42*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,298.33	623.05
		For Class 52 Rating, Deduct	*-1,028.97*	
		For Class 54 Rating, Add	*1,414.47*	
		For Class 55 Rating, Add	*2,108.67*	
		For Class 56 Rating, Add	*2,793.51*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,969.21	625.15
		For Class 52 Rating, Deduct	*-1,102.42*	
		For Class 54 Rating, Add	*1,514.67*	
		For Class 55 Rating, Add	*2,257.65*	
		For Class 56 Rating, Add	*2,990.60*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,640.10	627.23
		For Class 52 Rating, Deduct	*-1,175.87*	
		For Class 54 Rating, Add	*1,614.87*	
		For Class 55 Rating, Add	*2,406.62*	
		For Class 56 Rating, Add	*3,187.69*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,310.98	629.32
		For Class 52 Rating, Deduct	*-1,249.32*	
		For Class 54 Rating, Add	*1,715.06*	
		For Class 55 Rating, Add	*2,555.60*	
		For Class 56 Rating, Add	*3,384.78*	
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,981.86	631.41
		For Class 52 Rating, Deduct	*-1,322.77*	
		For Class 54 Rating, Add	*1,815.26*	
		For Class 55 Rating, Add	*2,704.57*	
		For Class 56 Rating, Add	*3,581.87*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,652.75	633.51
		For Class 52 Rating, Deduct	*-1,396.22*	
		For Class 54 Rating, Add	*1,915.45*	
		For Class 55 Rating, Add	*2,853.55*	
		For Class 56 Rating, Add	*3,778.96*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,323.62	635.60
		For Class 52 Rating, Deduct	*-1,469.67*	
		For Class 54 Rating, Add	*2,015.65*	
		For Class 55 Rating, Add	*3,002.53*	
		For Class 56 Rating, Add	*3,976.05*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,994.51	637.68
		For Class 52 Rating, Deduct	*-1,543.12*	
		For Class 54 Rating, Add	*2,115.84*	
		For Class 55 Rating, Add	*3,151.50*	
		For Class 56 Rating, Add	*4,173.14*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,665.39	639.78
		For Class 52 Rating, Deduct	*-1,616.56*	
		For Class 54 Rating, Add	*2,216.04*	
		For Class 55 Rating, Add	*3,300.48*	
		For Class 56 Rating, Add	*4,370.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,336.28	641.87
		For Class 52 Rating, Deduct	*-1,690.01*	
		For Class 54 Rating, Add	*2,316.23*	
		For Class 55 Rating, Add	*3,449.46*	
		For Class 56 Rating, Add	*4,567.32*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,007.16	643.96
		For Class 52 Rating, Deduct	*-1,763.46*	
		For Class 54 Rating, Add	*2,416.43*	
		For Class 55 Rating, Add	*3,598.43*	
		For Class 56 Rating, Add	*4,764.41*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,678.05	646.05
		For Class 52 Rating, Deduct	*-1,836.91*	
		For Class 54 Rating, Add	*2,516.62*	
		For Class 55 Rating, Add	*3,747.41*	
		For Class 56 Rating, Add	*4,961.50*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,348.92	648.14
		For Class 52 Rating, Deduct	*-1,910.36*	
		For Class 54 Rating, Add	*2,616.82*	
		For Class 55 Rating, Add	*3,896.39*	
		For Class 56 Rating, Add	*5,158.59*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,019.81	650.23
		For Class 52 Rating, Deduct	*-1,983.81*	
		For Class 54 Rating, Add	*2,717.01*	
		For Class 55 Rating, Add	*4,045.36*	
		For Class 56 Rating, Add	*5,355.68*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,690.69	652.32
		For Class 52 Rating, Deduct	*-2,057.26*	
		For Class 54 Rating, Add	*2,817.21*	
		For Class 55 Rating, Add	*4,194.34*	
		For Class 56 Rating, Add	*5,552.77*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,361.57	654.42
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,917.40*	
		For Class 55 Rating, Add	*4,343.32*	
		For Class 56 Rating, Add	*5,749.86*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,032.47	656.51
		For Class 52 Rating, Deduct	*-2,204.15*	
		For Class 54 Rating, Add	*3,017.60*	
		For Class 55 Rating, Add	*4,492.29*	
		For Class 56 Rating, Add	*5,946.95*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,703.34	658.59
		For Class 52 Rating, Deduct	*-2,277.60*	
		For Class 54 Rating, Add	*3,117.79*	
		For Class 55 Rating, Add	*4,641.27*	
		For Class 56 Rating, Add	*6,144.04*	
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,374.23	660.69
		For Class 52 Rating, Deduct	*-2,351.05*	
		For Class 54 Rating, Add	*3,217.99*	
		For Class 55 Rating, Add	*4,790.25*	
		For Class 56 Rating, Add	*6,341.13*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,045.11	662.78
		For Class 52 Rating, Deduct	*-2,424.50*	
		For Class 54 Rating, Add	*3,318.19*	
		For Class 55 Rating, Add	*4,939.22*	
		For Class 56 Rating, Add	*6,538.22*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,716.00	664.87
		For Class 52 Rating, Deduct	*-2,497.95*	
		For Class 54 Rating, Add	*3,418.38*	
		For Class 55 Rating, Add	*5,088.20*	
		For Class 56 Rating, Add	*6,735.31*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,386.87	666.95
		For Class 52 Rating, Deduct	*-2,571.40*	
		For Class 54 Rating, Add	*3,518.58*	
		For Class 55 Rating, Add	*5,237.17*	
		For Class 56 Rating, Add	*6,932.40*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,057.76	669.05
		For Class 52 Rating, Deduct	*-2,644.85*	
		For Class 54 Rating, Add	*3,618.77*	
		For Class 55 Rating, Add	*5,386.15*	
		For Class 56 Rating, Add	*7,129.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,782.49	706.68
		For Class 52 Rating, Deduct	*-2,718.29*	
		For Class 54 Rating, Add	*3,719.61*	
		For Class 55 Rating, Add	*5,536.42*	
		For Class 56 Rating, Add	*7,328.52*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,453.38	708.77
		For Class 52 Rating, Deduct	*-2,791.74*	
		For Class 54 Rating, Add	*3,819.81*	
		For Class 55 Rating, Add	*5,685.40*	
		For Class 56 Rating, Add	*7,525.61*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,124.26	710.86
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,920.00*	
		For Class 55 Rating, Add	*5,834.37*	
		For Class 56 Rating, Add	*7,722.70*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,795.15	712.96
		For Class 52 Rating, Deduct	*-2,938.64*	
		For Class 54 Rating, Add	*4,020.20*	
		For Class 55 Rating, Add	*5,983.35*	
		For Class 56 Rating, Add	*7,919.79*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,466.02	715.05
		For Class 52 Rating, Deduct	*-3,012.09*	
		For Class 54 Rating, Add	*4,120.39*	
		For Class 55 Rating, Add	*6,132.33*	
		For Class 56 Rating, Add	*8,116.88*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,133.77	717.13
		For Class 52 Rating, Deduct	*-3,085.19*	
		For Class 54 Rating, Add	*4,220.12*	
		For Class 55 Rating, Add	*6,280.60*	
		For Class 56 Rating, Add	*8,313.04*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,807.79	719.23
		For Class 52 Rating, Deduct	*-3,158.99*	
		For Class 54 Rating, Add	*4,320.78*	
		For Class 55 Rating, Add	*6,430.28*	
		For Class 56 Rating, Add	*8,511.06*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,478.67	721.32
		For Class 52 Rating, Deduct	*-3,232.43*	
		For Class 54 Rating, Add	*4,420.98*	
		For Class 55 Rating, Add	*6,579.26*	
		For Class 56 Rating, Add	*8,708.15*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,149.56	723.41
		For Class 52 Rating, Deduct	*-3,305.88*	
		For Class 54 Rating, Add	*4,521.17*	
		For Class 55 Rating, Add	*6,728.23*	
		For Class 56 Rating, Add	*8,905.24*	

40 05 19 00-3010 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,727.18	861.40
		For Class 52 Rating, Deduct	*-926.42*	
		For Class 54 Rating, Add	*1,278.97*	
		For Class 55 Rating, Add	*1,909.44*	
		For Class 56 Rating, Add	*2,531.48*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,687.83	863.50
		For Class 52 Rating, Deduct	*-1,031.75*	
		For Class 54 Rating, Add	*1,422.63*	
		For Class 55 Rating, Add	*2,123.03*	
		For Class 56 Rating, Add	*2,814.05*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,648.48	865.58
		For Class 52 Rating, Deduct	*-1,137.07*	
		For Class 54 Rating, Add	*1,566.29*	
		For Class 55 Rating, Add	*2,336.62*	
		For Class 56 Rating, Add	*3,096.63*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,609.13	867.67
		For Class 52 Rating, Deduct	*-1,242.39*	
		For Class 54 Rating, Add	*1,709.95*	
		For Class 55 Rating, Add	*2,550.22*	
		For Class 56 Rating, Add	*3,379.20*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,569.77	869.76
		For Class 52 Rating, Deduct	*-1,347.71*	
		For Class 54 Rating, Add	*1,853.60*	
		For Class 55 Rating, Add	*2,763.81*	
		For Class 56 Rating, Add	*3,661.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,530.41	871.86
		For Class 52 Rating, Deduct	*-1,453.04*	
		For Class 54 Rating, Add	*1,997.26*	
		For Class 55 Rating, Add	*2,977.40*	
		For Class 56 Rating, Add	*3,944.33*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,491.06	873.94
		For Class 52 Rating, Deduct	*-1,558.36*	
		For Class 54 Rating, Add	*2,140.92*	
		For Class 55 Rating, Add	*3,191.00*	
		For Class 56 Rating, Add	*4,226.91*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,451.71	876.03
		For Class 52 Rating, Deduct	*-1,663.68*	
		For Class 54 Rating, Add	*2,284.58*	
		For Class 55 Rating, Add	*3,404.59*	
		For Class 56 Rating, Add	*4,509.48*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,412.35	878.13
		For Class 52 Rating, Deduct	*-1,769.00*	
		For Class 54 Rating, Add	*2,428.24*	
		For Class 55 Rating, Add	*3,618.19*	
		For Class 56 Rating, Add	*4,792.05*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,373.01	880.22
		For Class 52 Rating, Deduct	*-1,874.33*	
		For Class 54 Rating, Add	*2,571.91*	
		For Class 55 Rating, Add	*3,831.78*	
		For Class 56 Rating, Add	*5,074.62*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,333.64	882.31
		For Class 52 Rating, Deduct	*-1,979.65*	
		For Class 54 Rating, Add	*2,715.56*	
		For Class 55 Rating, Add	*4,045.37*	
		For Class 56 Rating, Add	*5,357.18*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,294.29	884.40
		For Class 52 Rating, Deduct	*-2,084.97*	
		For Class 54 Rating, Add	*2,859.22*	
		For Class 55 Rating, Add	*4,258.97*	
		For Class 56 Rating, Add	*5,639.76*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,254.94	886.49
		For Class 52 Rating, Deduct	*-2,190.29*	
		For Class 54 Rating, Add	*3,002.88*	
		For Class 55 Rating, Add	*4,472.56*	
		For Class 56 Rating, Add	*5,922.33*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,215.59	888.58
		For Class 52 Rating, Deduct	*-2,295.62*	
		For Class 54 Rating, Add	*3,146.54*	
		For Class 55 Rating, Add	*4,686.15*	
		For Class 56 Rating, Add	*6,204.90*	
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,176.23	890.67
		For Class 52 Rating, Deduct	*-2,400.94*	
		For Class 54 Rating, Add	*3,290.20*	
		For Class 55 Rating, Add	*4,899.75*	
		For Class 56 Rating, Add	*6,487.47*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,136.88	892.77
		For Class 52 Rating, Deduct	*-2,506.26*	
		For Class 54 Rating, Add	*3,433.86*	
		For Class 55 Rating, Add	*5,113.34*	
		For Class 56 Rating, Add	*6,770.04*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,097.52	894.85
		For Class 52 Rating, Deduct	*-2,611.58*	
		For Class 54 Rating, Add	*3,577.52*	
		For Class 55 Rating, Add	*5,326.93*	
		For Class 56 Rating, Add	*7,052.61*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,058.16	896.94
		For Class 52 Rating, Deduct	*-2,716.91*	
		For Class 54 Rating, Add	*3,721.18*	
		For Class 55 Rating, Add	*5,540.53*	
		For Class 56 Rating, Add	*7,335.18*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,018.82	899.04
		For Class 52 Rating, Deduct	*-2,822.23*	
		For Class 54 Rating, Add	*3,864.84*	
		For Class 55 Rating, Add	*5,754.12*	
		For Class 56 Rating, Add	*7,617.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,979.46	901.13
		For Class 52 Rating, Deduct	*-2,927.55*	
		For Class 54 Rating, Add	*4,008.50*	
		For Class 55 Rating, Add	*5,967.72*	
		For Class 56 Rating, Add	*7,900.32*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,940.11	903.22
		For Class 52 Rating, Deduct	*-3,032.88*	
		For Class 54 Rating, Add	*4,152.16*	
		For Class 55 Rating, Add	*6,181.31*	
		For Class 56 Rating, Add	*8,182.89*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,900.76	905.30
		For Class 52 Rating, Deduct	*-3,138.20*	
		For Class 54 Rating, Add	*4,295.82*	
		For Class 55 Rating, Add	*6,394.91*	
		For Class 56 Rating, Add	*8,465.46*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,861.40	907.40
		For Class 52 Rating, Deduct	*-3,243.52*	
		For Class 54 Rating, Add	*4,439.48*	
		For Class 55 Rating, Add	*6,608.50*	
		For Class 56 Rating, Add	*8,748.03*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,822.04	909.49
		For Class 52 Rating, Deduct	*-3,348.84*	
		For Class 54 Rating, Add	*4,583.14*	
		For Class 55 Rating, Add	*6,822.09*	
		For Class 56 Rating, Add	*9,030.60*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,782.69	911.58
		For Class 52 Rating, Deduct	*-3,454.17*	
		For Class 54 Rating, Add	*4,726.80*	
		For Class 55 Rating, Add	*7,035.69*	
		For Class 56 Rating, Add	*9,313.17*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,743.34	913.67
		For Class 52 Rating, Deduct	*-3,559.49*	
		For Class 54 Rating, Add	*4,870.46*	
		For Class 55 Rating, Add	*7,249.28*	
		For Class 56 Rating, Add	*9,595.74*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,703.98	915.76
		For Class 52 Rating, Deduct	*-3,664.81*	
		For Class 54 Rating, Add	*5,014.12*	
		For Class 55 Rating, Add	*7,462.87*	
		For Class 56 Rating, Add	*9,878.31*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,664.64	917.85
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,157.78*	
		For Class 55 Rating, Add	*7,676.47*	
		For Class 56 Rating, Add	*10,160.88*	
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,625.28	919.94
		For Class 52 Rating, Deduct	*-3,875.46*	
		For Class 54 Rating, Add	*5,301.44*	
		For Class 55 Rating, Add	*7,890.06*	
		For Class 56 Rating, Add	*10,443.45*	
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,585.92	922.04
		For Class 52 Rating, Deduct	*-3,980.78*	
		For Class 54 Rating, Add	*5,445.10*	
		For Class 55 Rating, Add	*8,103.65*	
		For Class 56 Rating, Add	*10,726.02*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,546.57	924.12
		For Class 52 Rating, Deduct	*-4,086.10*	
		For Class 54 Rating, Add	*5,588.76*	
		For Class 55 Rating, Add	*8,317.25*	
		For Class 56 Rating, Add	*11,008.59*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,507.21	926.21
		For Class 52 Rating, Deduct	*-4,191.42*	
		For Class 54 Rating, Add	*5,732.42*	
		For Class 55 Rating, Add	*8,530.84*	
		For Class 56 Rating, Add	*11,291.16*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,467.87	928.31
		For Class 52 Rating, Deduct	*-4,296.75*	
		For Class 54 Rating, Add	*5,876.08*	
		For Class 55 Rating, Add	*8,744.44*	
		For Class 56 Rating, Add	*11,573.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,428.51	930.40
		For Class 52 Rating, Deduct	*-4,402.07*	
		For Class 54 Rating, Add	*6,019.74*	
		For Class 55 Rating, Add	*8,958.03*	
		For Class 56 Rating, Add	*11,856.30*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,389.16	932.49
		For Class 52 Rating, Deduct	*-4,507.39*	
		For Class 54 Rating, Add	*6,163.40*	
		For Class 55 Rating, Add	*9,171.62*	
		For Class 56 Rating, Add	*12,138.87*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,562.26	1,091.38
		For Class 52 Rating, Deduct	*-1,309.95*	
		For Class 54 Rating, Add	*1,806.14*	
		For Class 55 Rating, Add	*2,695.31*	
		For Class 56 Rating, Add	*3,572.58*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,850.46	1,093.47
		For Class 52 Rating, Deduct	*-1,451.30*	
		For Class 54 Rating, Add	*1,998.93*	
		For Class 55 Rating, Add	*2,981.95*	
		For Class 56 Rating, Add	*3,951.78*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,138.66	1,095.57
		For Class 52 Rating, Deduct	*-1,592.66*	
		For Class 54 Rating, Add	*2,191.73*	
		For Class 55 Rating, Add	*3,268.59*	
		For Class 56 Rating, Add	*4,330.98*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,426.87	1,097.66
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,384.52*	
		For Class 55 Rating, Add	*3,555.23*	
		For Class 56 Rating, Add	*4,710.18*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,715.07	1,099.75
		For Class 52 Rating, Deduct	*-1,875.37*	
		For Class 54 Rating, Add	*2,577.31*	
		For Class 55 Rating, Add	*3,841.87*	
		For Class 56 Rating, Add	*5,089.38*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,003.27	1,101.84
		For Class 52 Rating, Deduct	*-2,016.72*	
		For Class 54 Rating, Add	*2,770.11*	
		For Class 55 Rating, Add	*4,128.51*	
		For Class 56 Rating, Add	*5,468.58*	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,291.49	1,103.93
		For Class 52 Rating, Deduct	*-2,158.07*	
		For Class 54 Rating, Add	*2,962.90*	
		For Class 55 Rating, Add	*4,415.15*	
		For Class 56 Rating, Add	*5,847.78*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,579.69	1,106.02
		For Class 52 Rating, Deduct	*-2,299.43*	
		For Class 54 Rating, Add	*3,155.69*	
		For Class 55 Rating, Add	*4,701.79*	
		For Class 56 Rating, Add	*6,226.98*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,867.89	1,108.12
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,348.49*	
		For Class 55 Rating, Add	*4,988.43*	
		For Class 56 Rating, Add	*6,606.18*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,156.10	1,110.21
		For Class 52 Rating, Deduct	*-2,582.14*	
		For Class 54 Rating, Add	*3,541.28*	
		For Class 55 Rating, Add	*5,275.07*	
		For Class 56 Rating, Add	*6,985.38*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,444.30	1,112.29
		For Class 52 Rating, Deduct	*-2,723.49*	
		For Class 54 Rating, Add	*3,734.07*	
		For Class 55 Rating, Add	*5,561.71*	
		For Class 56 Rating, Add	*7,364.58*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,732.50	1,114.38
		For Class 52 Rating, Deduct	*-2,864.84*	
		For Class 54 Rating, Add	*3,926.87*	
		For Class 55 Rating, Add	*5,848.34*	
		For Class 56 Rating, Add	*7,743.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,020.71	1,116.48
		For Class 52 Rating, Deduct	*-3,006.20*	
		For Class 54 Rating, Add	*4,119.66*	
		For Class 55 Rating, Add	*6,134.98*	
		For Class 56 Rating, Add	*8,122.98*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,308.92	1,118.57
		For Class 52 Rating, Deduct	*-3,147.55*	
		For Class 54 Rating, Add	*4,312.46*	
		For Class 55 Rating, Add	*6,421.62*	
		For Class 56 Rating, Add	*8,502.18*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,597.11	1,120.65
		For Class 52 Rating, Deduct	*-3,288.91*	
		For Class 54 Rating, Add	*4,505.25*	
		For Class 55 Rating, Add	*6,708.26*	
		For Class 56 Rating, Add	*8,881.38*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,885.33	1,122.75
		For Class 52 Rating, Deduct	*-3,430.26*	
		For Class 54 Rating, Add	*4,698.04*	
		For Class 55 Rating, Add	*6,994.90*	
		For Class 56 Rating, Add	*9,260.58*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,173.53	1,124.84
		For Class 52 Rating, Deduct	*-3,571.62*	
		For Class 54 Rating, Add	*4,890.84*	
		For Class 55 Rating, Add	*7,281.54*	
		For Class 56 Rating, Add	*9,639.78*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,461.73	1,126.93
		For Class 52 Rating, Deduct	*-3,712.97*	
		For Class 54 Rating, Add	*5,083.63*	
		For Class 55 Rating, Add	*7,568.18*	
		For Class 56 Rating, Add	*10,018.98*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,749.94	1,129.02
		For Class 52 Rating, Deduct	*-3,854.32*	
		For Class 54 Rating, Add	*5,276.42*	
		For Class 55 Rating, Add	*7,854.82*	
		For Class 56 Rating, Add	*10,398.18*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,038.14	1,131.11
		For Class 52 Rating, Deduct	*-3,995.68*	
		For Class 54 Rating, Add	*5,469.22*	
		For Class 55 Rating, Add	*8,141.46*	
		For Class 56 Rating, Add	*10,777.38*	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,326.34	1,133.20
		For Class 52 Rating, Deduct	*-4,137.03*	
		For Class 54 Rating, Add	*5,662.01*	
		For Class 55 Rating, Add	*8,428.10*	
		For Class 56 Rating, Add	*11,156.58*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,614.55	1,135.29
		For Class 52 Rating, Deduct	*-4,278.39*	
		For Class 54 Rating, Add	*5,854.80*	
		For Class 55 Rating, Add	*8,714.74*	
		For Class 56 Rating, Add	*11,535.78*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,902.76	1,137.39
		For Class 52 Rating, Deduct	*-4,419.74*	
		For Class 54 Rating, Add	*6,047.60*	
		For Class 55 Rating, Add	*9,001.38*	
		For Class 56 Rating, Add	*11,914.98*	
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,190.95	1,139.48
		For Class 52 Rating, Deduct	*-4,561.09*	
		For Class 54 Rating, Add	*6,240.39*	
		For Class 55 Rating, Add	*9,288.01*	
		For Class 56 Rating, Add	*12,294.17*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,479.17	1,141.56
		For Class 52 Rating, Deduct	*-4,702.45*	
		For Class 54 Rating, Add	*6,433.18*	
		For Class 55 Rating, Add	*9,574.65*	
		For Class 56 Rating, Add	*12,673.38*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,767.37	1,143.65
		For Class 52 Rating, Deduct	*-4,843.80*	
		For Class 54 Rating, Add	*6,625.98*	
		For Class 55 Rating, Add	*9,861.29*	
		For Class 56 Rating, Add	*13,052.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,055.57	1,145.75
		For Class 52 Rating, Deduct	*-4,985.15*	
		For Class 54 Rating, Add	*6,818.77*	
		For Class 55 Rating, Add	*10,147.93*	
		For Class 56 Rating, Add	*13,431.77*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,343.78	1,147.84
		For Class 52 Rating, Deduct	*-5,126.51*	
		For Class 54 Rating, Add	*7,011.56*	
		For Class 55 Rating, Add	*10,434.57*	
		For Class 56 Rating, Add	*13,810.98*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,631.98	1,149.93
		For Class 52 Rating, Deduct	*-5,267.86*	
		For Class 54 Rating, Add	*7,204.36*	
		For Class 55 Rating, Add	*10,721.21*	
		For Class 56 Rating, Add	*14,190.18*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,920.19	1,152.02
		For Class 52 Rating, Deduct	*-5,409.22*	
		For Class 54 Rating, Add	*7,397.15*	
		For Class 55 Rating, Add	*11,007.85*	
		For Class 56 Rating, Add	*14,569.37*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,208.39	1,154.11
		For Class 52 Rating, Deduct	*-5,550.57*	
		For Class 54 Rating, Add	*7,589.94*	
		For Class 55 Rating, Add	*11,294.49*	
		For Class 56 Rating, Add	*14,948.57*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,496.60	1,156.20
		For Class 52 Rating, Deduct	*-5,691.93*	
		For Class 54 Rating, Add	*7,782.74*	
		For Class 55 Rating, Add	*11,581.13*	
		For Class 56 Rating, Add	*15,327.78*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,784.81	1,158.29
		For Class 52 Rating, Deduct	*-5,833.28*	
		For Class 54 Rating, Add	*7,975.53*	
		For Class 55 Rating, Add	*11,867.77*	
		For Class 56 Rating, Add	*15,706.98*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,073.01	1,160.38
		For Class 52 Rating, Deduct	*-5,974.63*	
		For Class 54 Rating, Add	*8,168.33*	
		For Class 55 Rating, Add	*12,154.41*	
		For Class 56 Rating, Add	*16,086.17*	
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,361.21	1,162.47
		For Class 52 Rating, Deduct	*-6,115.99*	
		For Class 54 Rating, Add	*8,361.12*	
		For Class 55 Rating, Add	*12,441.05*	
		For Class 56 Rating, Add	*16,465.38*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	687.21	102.25
		For Class 52 Rating, Deduct	*-58.55*	
		For Class 54 Rating, Add	*81.70*	
		For Class 55 Rating, Add	*122.42*	
		For Class 56 Rating, Add	*162.60*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	809.60	104.04
		For Class 52 Rating, Deduct	*-71.72*	
		For Class 54 Rating, Add	*99.69*	
		For Class 55 Rating, Add	*149.17*	
		For Class 56 Rating, Add	*198.01*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	931.99	105.83
		For Class 52 Rating, Deduct	*-84.88*	
		For Class 54 Rating, Add	*117.67*	
		For Class 55 Rating, Add	*175.93*	
		For Class 56 Rating, Add	*233.41*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,054.39	107.61
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*135.66*	
		For Class 55 Rating, Add	*202.68*	
		For Class 56 Rating, Add	*268.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,176.78	109.40
		For Class 52 Rating, Deduct	*-111.21*	
		For Class 54 Rating, Add	*153.64*	
		For Class 55 Rating, Add	*229.44*	
		For Class 56 Rating, Add	*304.22*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,299.17	111.19
		For Class 52 Rating, Deduct	*-124.38*	
		For Class 54 Rating, Add	*171.63*	
		For Class 55 Rating, Add	*256.19*	
		For Class 56 Rating, Add	*339.62*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,421.56	112.98
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*189.61*	
		For Class 55 Rating, Add	*282.95*	
		For Class 56 Rating, Add	*375.03*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,543.97	114.76
		For Class 52 Rating, Deduct	*-150.71*	
		For Class 54 Rating, Add	*207.60*	
		For Class 55 Rating, Add	*309.70*	
		For Class 56 Rating, Add	*410.43*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,666.35	116.56
		For Class 52 Rating, Deduct	*-163.87*	
		For Class 54 Rating, Add	*225.58*	
		For Class 55 Rating, Add	*336.45*	
		For Class 56 Rating, Add	*445.84*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,788.75	118.34
		For Class 52 Rating, Deduct	*-177.04*	
		For Class 54 Rating, Add	*243.57*	
		For Class 55 Rating, Add	*363.21*	
		For Class 56 Rating, Add	*481.24*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,911.14	120.13
		For Class 52 Rating, Deduct	*-190.20*	
		For Class 54 Rating, Add	*261.55*	
		For Class 55 Rating, Add	*389.96*	
		For Class 56 Rating, Add	*516.65*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,033.54	121.91
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*279.54*	
		For Class 55 Rating, Add	*416.72*	
		For Class 56 Rating, Add	*552.05*	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,155.92	123.71
		For Class 52 Rating, Deduct	*-216.54*	
		For Class 54 Rating, Add	*297.52*	
		For Class 55 Rating, Add	*443.47*	
		For Class 56 Rating, Add	*587.45*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,278.31	125.49
		For Class 52 Rating, Deduct	*-229.70*	
		For Class 54 Rating, Add	*315.51*	
		For Class 55 Rating, Add	*470.23*	
		For Class 56 Rating, Add	*622.86*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,400.71	127.28
		For Class 52 Rating, Deduct	*-242.87*	
		For Class 54 Rating, Add	*333.49*	
		For Class 55 Rating, Add	*496.98*	
		For Class 56 Rating, Add	*658.26*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,523.11	129.07
		For Class 52 Rating, Deduct	*-256.03*	
		For Class 54 Rating, Add	*351.48*	
		For Class 55 Rating, Add	*523.74*	
		For Class 56 Rating, Add	*693.67*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,645.50	130.86
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*369.47*	
		For Class 55 Rating, Add	*550.49*	
		For Class 56 Rating, Add	*729.07*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,767.89	132.64
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*387.45*	
		For Class 55 Rating, Add	*577.25*	
		For Class 56 Rating, Add	*764.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,890.29	134.42
		For Class 52 Rating, Deduct	*-295.53*	
		For Class 54 Rating, Add	*405.44*	
		For Class 55 Rating, Add	*604.00*	
		For Class 56 Rating, Add	*799.88*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,012.67	136.22
		For Class 52 Rating, Deduct	*-308.69*	
		For Class 54 Rating, Add	*423.42*	
		For Class 55 Rating, Add	*630.76*	
		For Class 56 Rating, Add	*835.29*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,135.07	138.00
		For Class 52 Rating, Deduct	*-321.86*	
		For Class 54 Rating, Add	*441.41*	
		For Class 55 Rating, Add	*657.51*	
		For Class 56 Rating, Add	*870.69*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,257.46	139.79
		For Class 52 Rating, Deduct	*-335.02*	
		For Class 54 Rating, Add	*459.39*	
		For Class 55 Rating, Add	*684.27*	
		For Class 56 Rating, Add	*906.09*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,379.86	141.58
		For Class 52 Rating, Deduct	*-348.19*	
		For Class 54 Rating, Add	*477.38*	
		For Class 55 Rating, Add	*711.02*	
		For Class 56 Rating, Add	*941.50*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,502.25	143.37
		For Class 52 Rating, Deduct	*-361.35*	
		For Class 54 Rating, Add	*495.36*	
		For Class 55 Rating, Add	*737.77*	
		For Class 56 Rating, Add	*976.90*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,933.31	145.15
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*559.65*	
		For Class 55 Rating, Add	*833.36*	
		For Class 56 Rating, Add	*1,103.36*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,055.70	146.94
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*577.63*	
		For Class 55 Rating, Add	*860.12*	
		For Class 56 Rating, Add	*1,138.77*	
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,178.10	148.73
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*595.62*	
		For Class 55 Rating, Add	*886.87*	
		For Class 56 Rating, Add	*1,174.17*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,300.48	150.52
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*613.60*	
		For Class 55 Rating, Add	*913.63*	
		For Class 56 Rating, Add	*1,209.58*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,422.88	152.30
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*631.59*	
		For Class 55 Rating, Add	*940.38*	
		For Class 56 Rating, Add	*1,244.98*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,545.27	154.09
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*649.57*	
		For Class 55 Rating, Add	*967.13*	
		For Class 56 Rating, Add	*1,280.39*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,667.66	155.88
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*667.56*	
		For Class 55 Rating, Add	*993.89*	
		For Class 56 Rating, Add	*1,315.79*	
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,790.06	157.67
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*685.54*	
		For Class 55 Rating, Add	*1,020.64*	
		For Class 56 Rating, Add	*1,351.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,912.46	159.46
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*703.53*	
		For Class 55 Rating, Add	*1,047.40*	
		For Class 56 Rating, Add	*1,386.60*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,034.85	161.24
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*721.51*	
		For Class 55 Rating, Add	*1,074.15*	
		For Class 56 Rating, Add	*1,422.00*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,157.24	163.03
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*739.50*	
		For Class 55 Rating, Add	*1,100.91*	
		For Class 56 Rating, Add	*1,457.41*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,279.63	164.81
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*757.48*	
		For Class 55 Rating, Add	*1,127.66*	
		For Class 56 Rating, Add	*1,492.81*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,402.03	166.61
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*775.47*	
		For Class 55 Rating, Add	*1,154.42*	
		For Class 56 Rating, Add	*1,528.22*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,524.41	168.39
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*793.45*	
		For Class 55 Rating, Add	*1,181.17*	
		For Class 56 Rating, Add	*1,563.62*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,646.81	170.19
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*811.44*	
		For Class 55 Rating, Add	*1,207.93*	
		For Class 56 Rating, Add	*1,599.03*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	840.68	128.71
		For Class 52 Rating, Deduct	*-71.02*	
		For Class 54 Rating, Add	*99.19*	
		For Class 55 Rating, Add	*148.66*	
		For Class 56 Rating, Add	*197.49*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	981.97	130.50
		For Class 52 Rating, Deduct	*-86.27*	
		For Class 54 Rating, Add	*120.01*	
		For Class 55 Rating, Add	*179.63*	
		For Class 56 Rating, Add	*238.47*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,123.26	132.28
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*140.83*	
		For Class 55 Rating, Add	*210.60*	
		For Class 56 Rating, Add	*279.45*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,264.55	134.07
		For Class 52 Rating, Deduct	*-116.76*	
		For Class 54 Rating, Add	*161.65*	
		For Class 55 Rating, Add	*241.57*	
		For Class 56 Rating, Add	*320.43*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,405.85	135.86
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*182.47*	
		For Class 55 Rating, Add	*272.54*	
		For Class 56 Rating, Add	*361.41*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,547.14	137.65
		For Class 52 Rating, Deduct	*-147.24*	
		For Class 54 Rating, Add	*203.29*	
		For Class 55 Rating, Add	*303.51*	
		For Class 56 Rating, Add	*402.39*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,688.43	139.43
		For Class 52 Rating, Deduct	*-162.49*	
		For Class 54 Rating, Add	*224.11*	
		For Class 55 Rating, Add	*334.48*	
		For Class 56 Rating, Add	*443.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,829.71	141.23
		For Class 52 Rating, Deduct	*-177.73*	
		For Class 54 Rating, Add	*244.93*	
		For Class 55 Rating, Add	*365.45*	
		For Class 56 Rating, Add	*484.35*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,971.01	143.01
		For Class 52 Rating, Deduct	*-192.98*	
		For Class 54 Rating, Add	*265.75*	
		For Class 55 Rating, Add	*396.42*	
		For Class 56 Rating, Add	*525.33*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,112.30	144.79
		For Class 52 Rating, Deduct	*-208.22*	
		For Class 54 Rating, Add	*286.57*	
		For Class 55 Rating, Add	*427.38*	
		For Class 56 Rating, Add	*566.31*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,253.59	146.58
		For Class 52 Rating, Deduct	*-223.46*	
		For Class 54 Rating, Add	*307.39*	
		For Class 55 Rating, Add	*458.35*	
		For Class 56 Rating, Add	*607.29*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,394.87	148.37
		For Class 52 Rating, Deduct	*-238.71*	
		For Class 54 Rating, Add	*328.21*	
		For Class 55 Rating, Add	*489.32*	
		For Class 56 Rating, Add	*648.26*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.18	150.16
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*349.03*	
		For Class 55 Rating, Add	*520.29*	
		For Class 56 Rating, Add	*689.25*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.47	151.94
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*369.85*	
		For Class 55 Rating, Add	*551.26*	
		For Class 56 Rating, Add	*730.22*	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,818.75	153.74
		For Class 52 Rating, Deduct	*-284.44*	
		For Class 54 Rating, Add	*390.67*	
		For Class 55 Rating, Add	*582.23*	
		For Class 56 Rating, Add	*771.20*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,960.04	155.52
		For Class 52 Rating, Deduct	*-299.68*	
		For Class 54 Rating, Add	*411.49*	
		For Class 55 Rating, Add	*613.20*	
		For Class 56 Rating, Add	*812.18*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,101.34	157.31
		For Class 52 Rating, Deduct	*-314.93*	
		For Class 54 Rating, Add	*432.31*	
		For Class 55 Rating, Add	*644.17*	
		For Class 56 Rating, Add	*853.16*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,242.63	159.10
		For Class 52 Rating, Deduct	*-330.17*	
		For Class 54 Rating, Add	*453.13*	
		For Class 55 Rating, Add	*675.14*	
		For Class 56 Rating, Add	*894.14*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,383.91	160.89
		For Class 52 Rating, Deduct	*-345.42*	
		For Class 54 Rating, Add	*473.95*	
		For Class 55 Rating, Add	*706.10*	
		For Class 56 Rating, Add	*935.12*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,525.20	162.68
		For Class 52 Rating, Deduct	*-360.66*	
		For Class 54 Rating, Add	*494.77*	
		For Class 55 Rating, Add	*737.07*	
		For Class 56 Rating, Add	*976.10*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,666.51	164.46
		For Class 52 Rating, Deduct	*-375.91*	
		For Class 54 Rating, Add	*515.59*	
		For Class 55 Rating, Add	*768.04*	
		For Class 56 Rating, Add	*1,017.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,807.79	166.25
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*536.41*	
		For Class 55 Rating, Add	*799.01*	
		For Class 56 Rating, Add	*1,058.06*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,949.08	168.04
		For Class 52 Rating, Deduct	*-406.39*	
		For Class 54 Rating, Add	*557.23*	
		For Class 55 Rating, Add	*829.98*	
		For Class 56 Rating, Add	*1,099.04*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,090.37	169.82
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*578.05*	
		For Class 55 Rating, Add	*860.95*	
		For Class 56 Rating, Add	*1,140.02*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,231.67	171.61
		For Class 52 Rating, Deduct	*-436.88*	
		For Class 54 Rating, Add	*598.87*	
		For Class 55 Rating, Add	*891.92*	
		For Class 56 Rating, Add	*1,181.00*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,372.95	173.40
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*619.69*	
		For Class 55 Rating, Add	*922.89*	
		For Class 56 Rating, Add	*1,221.98*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,514.24	175.19
		For Class 52 Rating, Deduct	*-467.37*	
		For Class 54 Rating, Add	*640.51*	
		For Class 55 Rating, Add	*953.85*	
		For Class 56 Rating, Add	*1,262.95*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,655.53	176.97
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*661.33*	
		For Class 55 Rating, Add	*984.82*	
		For Class 56 Rating, Add	*1,303.93*	
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,796.84	178.76
		For Class 52 Rating, Deduct	*-497.86*	
		For Class 54 Rating, Add	*682.15*	
		For Class 55 Rating, Add	*1,015.79*	
		For Class 56 Rating, Add	*1,344.92*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,938.12	180.55
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*702.97*	
		For Class 55 Rating, Add	*1,046.76*	
		For Class 56 Rating, Add	*1,385.89*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,079.41	182.33
		For Class 52 Rating, Deduct	*-528.35*	
		For Class 54 Rating, Add	*723.79*	
		For Class 55 Rating, Add	*1,077.73*	
		For Class 56 Rating, Add	*1,426.87*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,220.70	184.13
		For Class 52 Rating, Deduct	*-543.59*	
		For Class 54 Rating, Add	*744.61*	
		For Class 55 Rating, Add	*1,108.70*	
		For Class 56 Rating, Add	*1,467.85*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,361.98	185.91
		For Class 52 Rating, Deduct	*-558.83*	
		For Class 54 Rating, Add	*765.43*	
		For Class 55 Rating, Add	*1,139.67*	
		For Class 56 Rating, Add	*1,508.83*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,503.28	187.71
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*786.25*	
		For Class 55 Rating, Add	*1,170.64*	
		For Class 56 Rating, Add	*1,549.81*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,644.57	189.48
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*807.07*	
		For Class 55 Rating, Add	*1,201.61*	
		For Class 56 Rating, Add	*1,590.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,785.86	191.28
		For Class 52 Rating, Deduct	*-604.57*	
		For Class 54 Rating, Add	*827.89*	
		For Class 55 Rating, Add	*1,232.57*	
		For Class 56 Rating, Add	*1,631.77*	
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,927.15	193.06
		For Class 52 Rating, Deduct	*-619.81*	
		For Class 54 Rating, Add	*848.70*	
		For Class 55 Rating, Add	*1,263.54*	
		For Class 56 Rating, Add	*1,672.75*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,068.45	194.84
		For Class 52 Rating, Deduct	*-635.05*	
		For Class 54 Rating, Add	*869.53*	
		For Class 55 Rating, Add	*1,294.51*	
		For Class 56 Rating, Add	*1,713.73*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,209.74	196.64
		For Class 52 Rating, Deduct	*-650.30*	
		For Class 54 Rating, Add	*890.35*	
		For Class 55 Rating, Add	*1,325.48*	
		For Class 56 Rating, Add	*1,754.71*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,159.42	164.46
		For Class 52 Rating, Deduct	*-100.13*	
		For Class 54 Rating, Add	*139.52*	
		For Class 55 Rating, Add	*208.96*	
		For Class 56 Rating, Add	*277.49*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,341.65	166.25
		For Class 52 Rating, Deduct	*-119.87*	
		For Class 54 Rating, Add	*166.49*	
		For Class 55 Rating, Add	*249.06*	
		For Class 56 Rating, Add	*330.55*	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,523.89	168.04
		For Class 52 Rating, Deduct	*-139.62*	
		For Class 54 Rating, Add	*193.45*	
		For Class 55 Rating, Add	*289.16*	
		For Class 56 Rating, Add	*383.61*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,706.13	169.82
		For Class 52 Rating, Deduct	*-159.37*	
		For Class 54 Rating, Add	*220.41*	
		For Class 55 Rating, Add	*329.26*	
		For Class 56 Rating, Add	*436.67*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,888.36	171.61
		For Class 52 Rating, Deduct	*-179.12*	
		For Class 54 Rating, Add	*247.37*	
		For Class 55 Rating, Add	*369.36*	
		For Class 56 Rating, Add	*489.72*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,070.59	173.40
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*274.33*	
		For Class 55 Rating, Add	*409.46*	
		For Class 56 Rating, Add	*542.78*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,252.83	175.19
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*301.30*	
		For Class 55 Rating, Add	*449.56*	
		For Class 56 Rating, Add	*595.84*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,435.06	176.97
		For Class 52 Rating, Deduct	*-238.36*	
		For Class 54 Rating, Add	*328.26*	
		For Class 55 Rating, Add	*489.66*	
		For Class 56 Rating, Add	*648.89*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,617.31	178.76
		For Class 52 Rating, Deduct	*-258.11*	
		For Class 54 Rating, Add	*355.22*	
		For Class 55 Rating, Add	*529.76*	
		For Class 56 Rating, Add	*701.95*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,799.54	180.55
		For Class 52 Rating, Deduct	*-277.86*	
		For Class 54 Rating, Add	*382.18*	
		For Class 55 Rating, Add	*569.86*	
		For Class 56 Rating, Add	*755.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,981.78	182.33
		For Class 52 Rating, Deduct	*-297.61*	
		For Class 54 Rating, Add	*409.14*	
		For Class 55 Rating, Add	*609.96*	
		For Class 56 Rating, Add	*808.07*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,164.01	184.13
		For Class 52 Rating, Deduct	*-317.35*	
		For Class 54 Rating, Add	*436.10*	
		For Class 55 Rating, Add	*650.06*	
		For Class 56 Rating, Add	*861.13*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,346.24	185.91
		For Class 52 Rating, Deduct	*-337.10*	
		For Class 54 Rating, Add	*463.06*	
		For Class 55 Rating, Add	*690.16*	
		For Class 56 Rating, Add	*914.19*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,528.48	187.71
		For Class 52 Rating, Deduct	*-356.85*	
		For Class 54 Rating, Add	*490.03*	
		For Class 55 Rating, Add	*730.26*	
		For Class 56 Rating, Add	*967.24*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,710.72	189.48
		For Class 52 Rating, Deduct	*-376.60*	
		For Class 54 Rating, Add	*516.99*	
		For Class 55 Rating, Add	*770.36*	
		For Class 56 Rating, Add	*1,020.30*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,892.95	191.28
		For Class 52 Rating, Deduct	*-396.35*	
		For Class 54 Rating, Add	*543.95*	
		For Class 55 Rating, Add	*810.46*	
		For Class 56 Rating, Add	*1,073.36*	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,075.19	193.06
		For Class 52 Rating, Deduct	*-416.09*	
		For Class 54 Rating, Add	*570.91*	
		For Class 55 Rating, Add	*850.56*	
		For Class 56 Rating, Add	*1,126.42*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,257.43	194.84
		For Class 52 Rating, Deduct	*-435.84*	
		For Class 54 Rating, Add	*597.87*	
		For Class 55 Rating, Add	*890.66*	
		For Class 56 Rating, Add	*1,179.48*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,439.66	196.64
		For Class 52 Rating, Deduct	*-455.59*	
		For Class 54 Rating, Add	*624.83*	
		For Class 55 Rating, Add	*930.75*	
		For Class 56 Rating, Add	*1,232.53*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,621.90	198.42
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*651.80*	
		For Class 55 Rating, Add	*970.85*	
		For Class 56 Rating, Add	*1,285.59*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,804.13	200.22
		For Class 52 Rating, Deduct	*-495.09*	
		For Class 54 Rating, Add	*678.76*	
		For Class 55 Rating, Add	*1,010.95*	
		For Class 56 Rating, Add	*1,338.65*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,986.37	202.00
		For Class 52 Rating, Deduct	*-514.83*	
		For Class 54 Rating, Add	*705.72*	
		For Class 55 Rating, Add	*1,051.05*	
		For Class 56 Rating, Add	*1,391.71*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,168.60	203.79
		For Class 52 Rating, Deduct	*-534.58*	
		For Class 54 Rating, Add	*732.68*	
		For Class 55 Rating, Add	*1,091.15*	
		For Class 56 Rating, Add	*1,444.77*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,350.83	205.58
		For Class 52 Rating, Deduct	*-554.33*	
		For Class 54 Rating, Add	*759.64*	
		For Class 55 Rating, Add	*1,131.25*	
		For Class 56 Rating, Add	*1,497.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.08	207.37
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*786.60*	
		For Class 55 Rating, Add	*1,171.35*	
		For Class 56 Rating, Add	*1,550.88*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,715.31	209.15
		For Class 52 Rating, Deduct	*-593.83*	
		For Class 54 Rating, Add	*813.56*	
		For Class 55 Rating, Add	*1,211.45*	
		For Class 56 Rating, Add	*1,603.94*	
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,897.55	210.94
		For Class 52 Rating, Deduct	*-613.57*	
		For Class 54 Rating, Add	*840.53*	
		For Class 55 Rating, Add	*1,251.55*	
		For Class 56 Rating, Add	*1,657.00*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,079.78	212.73
		For Class 52 Rating, Deduct	*-633.32*	
		For Class 54 Rating, Add	*867.49*	
		For Class 55 Rating, Add	*1,291.65*	
		For Class 56 Rating, Add	*1,710.06*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,262.02	214.51
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*894.45*	
		For Class 55 Rating, Add	*1,331.75*	
		For Class 56 Rating, Add	*1,763.12*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,444.25	216.30
		For Class 52 Rating, Deduct	*-672.82*	
		For Class 54 Rating, Add	*921.41*	
		For Class 55 Rating, Add	*1,371.85*	
		For Class 56 Rating, Add	*1,816.17*	
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,626.49	218.09
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*948.37*	
		For Class 55 Rating, Add	*1,411.95*	
		For Class 56 Rating, Add	*1,869.23*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,808.72	219.88
		For Class 52 Rating, Deduct	*-712.31*	
		For Class 54 Rating, Add	*975.33*	
		For Class 55 Rating, Add	*1,452.05*	
		For Class 56 Rating, Add	*1,922.29*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,990.96	221.66
		For Class 52 Rating, Deduct	*-732.06*	
		For Class 54 Rating, Add	*1,002.30*	
		For Class 55 Rating, Add	*1,492.15*	
		For Class 56 Rating, Add	*1,975.35*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,173.20	223.45
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,029.26*	
		For Class 55 Rating, Add	*1,532.25*	
		For Class 56 Rating, Add	*2,028.40*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,355.43	225.24
		For Class 52 Rating, Deduct	*-771.56*	
		For Class 54 Rating, Add	*1,056.22*	
		For Class 55 Rating, Add	*1,572.35*	
		For Class 56 Rating, Add	*2,081.46*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,537.67	227.03
		For Class 52 Rating, Deduct	*-791.31*	
		For Class 54 Rating, Add	*1,083.18*	
		For Class 55 Rating, Add	*1,612.45*	
		For Class 56 Rating, Add	*2,134.52*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,719.90	228.81
		For Class 52 Rating, Deduct	*-811.05*	
		For Class 54 Rating, Add	*1,110.14*	
		For Class 55 Rating, Add	*1,652.55*	
		For Class 56 Rating, Add	*2,187.58*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,902.14	230.61
		For Class 52 Rating, Deduct	*-830.80*	
		For Class 54 Rating, Add	*1,137.10*	
		For Class 55 Rating, Add	*1,692.65*	
		For Class 56 Rating, Add	*2,240.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,084.37	232.39
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,164.07*	
		For Class 55 Rating, Add	*1,732.75*	
		For Class 56 Rating, Add	*2,293.70*	

40 05 19 00-3203 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,471.85	200.22
		For Class 52 Rating, Deduct	*-128.54*	
		For Class 54 Rating, Add	*178.92*	
		For Class 55 Rating, Add	*267.86*	
		For Class 56 Rating, Add	*355.63*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,707.63	202.00
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*213.91*	
		For Class 55 Rating, Add	*319.90*	
		For Class 56 Rating, Add	*424.48*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,943.41	203.79
		For Class 52 Rating, Deduct	*-179.81*	
		For Class 54 Rating, Add	*248.90*	
		For Class 55 Rating, Add	*371.94*	
		For Class 56 Rating, Add	*493.33*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,179.18	205.58
		For Class 52 Rating, Deduct	*-205.45*	
		For Class 54 Rating, Add	*283.89*	
		For Class 55 Rating, Add	*423.97*	
		For Class 56 Rating, Add	*562.19*	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,414.97	207.37
		For Class 52 Rating, Deduct	*-231.09*	
		For Class 54 Rating, Add	*318.89*	
		For Class 55 Rating, Add	*476.01*	
		For Class 56 Rating, Add	*631.04*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,650.75	209.15
		For Class 52 Rating, Deduct	*-256.72*	
		For Class 54 Rating, Add	*353.88*	
		For Class 55 Rating, Add	*528.05*	
		For Class 56 Rating, Add	*699.89*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,886.53	210.94
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*388.87*	
		For Class 55 Rating, Add	*580.09*	
		For Class 56 Rating, Add	*768.75*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,122.30	212.73
		For Class 52 Rating, Deduct	*-308.00*	
		For Class 54 Rating, Add	*423.87*	
		For Class 55 Rating, Add	*632.13*	
		For Class 56 Rating, Add	*837.60*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,358.08	214.51
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*458.86*	
		For Class 55 Rating, Add	*684.17*	
		For Class 56 Rating, Add	*906.45*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,593.87	216.30
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*493.85*	
		For Class 55 Rating, Add	*736.21*	
		For Class 56 Rating, Add	*975.31*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,829.65	218.09
		For Class 52 Rating, Deduct	*-384.91*	
		For Class 54 Rating, Add	*528.85*	
		For Class 55 Rating, Add	*788.25*	
		For Class 56 Rating, Add	*1,044.16*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,065.42	219.88
		For Class 52 Rating, Deduct	*-410.55*	
		For Class 54 Rating, Add	*563.84*	
		For Class 55 Rating, Add	*840.29*	
		For Class 56 Rating, Add	*1,113.02*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,301.21	221.66
		For Class 52 Rating, Deduct	*-436.19*	
		For Class 54 Rating, Add	*598.83*	
		For Class 55 Rating, Add	*892.33*	
		For Class 56 Rating, Add	*1,181.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,536.99	223.45
		For Class 52 Rating, Deduct	*-461.83*	
		For Class 54 Rating, Add	*633.83*	
		For Class 55 Rating, Add	*944.37*	
		For Class 56 Rating, Add	*1,250.72*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,772.76	225.24
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*668.82*	
		For Class 55 Rating, Add	*996.41*	
		For Class 56 Rating, Add	*1,319.58*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,008.54	227.03
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*703.81*	
		For Class 55 Rating, Add	*1,048.45*	
		For Class 56 Rating, Add	*1,388.43*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,244.32	228.81
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*738.80*	
		For Class 55 Rating, Add	*1,100.49*	
		For Class 56 Rating, Add	*1,457.28*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,480.10	230.61
		For Class 52 Rating, Deduct	*-564.38*	
		For Class 54 Rating, Add	*773.80*	
		For Class 55 Rating, Add	*1,152.53*	
		For Class 56 Rating, Add	*1,526.13*	
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,715.87	232.39
		For Class 52 Rating, Deduct	*-590.01*	
		For Class 54 Rating, Add	*808.79*	
		For Class 55 Rating, Add	*1,204.57*	
		For Class 56 Rating, Add	*1,594.99*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,951.65	234.18
		For Class 52 Rating, Deduct	*-615.65*	
		For Class 54 Rating, Add	*843.78*	
		For Class 55 Rating, Add	*1,256.61*	
		For Class 56 Rating, Add	*1,663.84*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,187.44	235.96
		For Class 52 Rating, Deduct	*-641.29*	
		For Class 54 Rating, Add	*878.78*	
		For Class 55 Rating, Add	*1,308.65*	
		For Class 56 Rating, Add	*1,732.69*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,423.22	237.76
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*913.77*	
		For Class 55 Rating, Add	*1,360.69*	
		For Class 56 Rating, Add	*1,801.55*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,658.99	239.54
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*948.76*	
		For Class 55 Rating, Add	*1,412.73*	
		For Class 56 Rating, Add	*1,870.40*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,894.77	241.32
		For Class 52 Rating, Deduct	*-718.20*	
		For Class 54 Rating, Add	*983.76*	
		For Class 55 Rating, Add	*1,464.77*	
		For Class 56 Rating, Add	*1,939.25*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,130.55	243.12
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,018.75*	
		For Class 55 Rating, Add	*1,516.81*	
		For Class 56 Rating, Add	*2,008.11*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,366.32	244.90
		For Class 52 Rating, Deduct	*-769.48*	
		For Class 54 Rating, Add	*1,053.74*	
		For Class 55 Rating, Add	*1,568.85*	
		For Class 56 Rating, Add	*2,076.96*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,602.10	246.69
		For Class 52 Rating, Deduct	*-795.12*	
		For Class 54 Rating, Add	*1,088.73*	
		For Class 55 Rating, Add	*1,620.89*	
		For Class 56 Rating, Add	*2,145.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,837.88	248.48
		For Class 52 Rating, Deduct	*-820.75*	
		For Class 54 Rating, Add	*1,123.73*	
		For Class 55 Rating, Add	*1,672.93*	
		For Class 56 Rating, Add	*2,214.67*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,073.67	250.27
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,158.72*	
		For Class 55 Rating, Add	*1,724.97*	
		For Class 56 Rating, Add	*2,283.52*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,309.44	252.05
		For Class 52 Rating, Deduct	*-872.03*	
		For Class 54 Rating, Add	*1,193.71*	
		For Class 55 Rating, Add	*1,777.01*	
		For Class 56 Rating, Add	*2,352.37*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,545.22	253.84
		For Class 52 Rating, Deduct	*-897.67*	
		For Class 54 Rating, Add	*1,228.71*	
		For Class 55 Rating, Add	*1,829.05*	
		For Class 56 Rating, Add	*2,421.23*	
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,781.00	255.63
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,263.70*	
		For Class 55 Rating, Add	*1,881.09*	
		For Class 56 Rating, Add	*2,490.08*	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,016.77	257.42
		For Class 52 Rating, Deduct	*-948.94*	
		For Class 54 Rating, Add	*1,298.69*	
		For Class 55 Rating, Add	*1,933.13*	
		For Class 56 Rating, Add	*2,558.93*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,252.55	259.20
		For Class 52 Rating, Deduct	*-974.58*	
		For Class 54 Rating, Add	*1,333.69*	
		For Class 55 Rating, Add	*1,985.17*	
		For Class 56 Rating, Add	*2,627.79*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,488.34	261.00
		For Class 52 Rating, Deduct	*-1,000.22*	
		For Class 54 Rating, Add	*1,368.68*	
		For Class 55 Rating, Add	*2,037.21*	
		For Class 56 Rating, Add	*2,696.64*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,724.12	262.78
		For Class 52 Rating, Deduct	*-1,025.86*	
		For Class 54 Rating, Add	*1,403.67*	
		For Class 55 Rating, Add	*2,089.25*	
		For Class 56 Rating, Add	*2,765.49*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,959.90	264.58
		For Class 52 Rating, Deduct	*-1,051.49*	
		For Class 54 Rating, Add	*1,438.67*	
		For Class 55 Rating, Add	*2,141.29*	
		For Class 56 Rating, Add	*2,834.35*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,195.68	266.35
		For Class 52 Rating, Deduct	*-1,077.13*	
		For Class 54 Rating, Add	*1,473.66*	
		For Class 55 Rating, Add	*2,193.33*	
		For Class 56 Rating, Add	*2,903.20*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,431.46	268.14
		For Class 52 Rating, Deduct	*-1,102.77*	
		For Class 54 Rating, Add	*1,508.65*	
		For Class 55 Rating, Add	*2,245.37*	
		For Class 56 Rating, Add	*2,972.05*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,922.50	250.27
		For Class 52 Rating, Deduct	*-169.76*	
		For Class 54 Rating, Add	*236.05*	
		For Class 55 Rating, Add	*353.26*	
		For Class 56 Rating, Add	*468.92*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,214.97	252.05
		For Class 52 Rating, Deduct	*-201.64*	
		For Class 54 Rating, Add	*279.54*	
		For Class 55 Rating, Add	*417.94*	
		For Class 56 Rating, Add	*554.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,507.44	253.84
		For Class 52 Rating, Deduct	*-233.51*	
		For Class 54 Rating, Add	*323.04*	
		For Class 55 Rating, Add	*482.62*	
		For Class 56 Rating, Add	*640.08*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,799.91	255.63
		For Class 52 Rating, Deduct	*-265.38*	
		For Class 54 Rating, Add	*366.54*	
		For Class 55 Rating, Add	*547.30*	
		For Class 56 Rating, Add	*725.66*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,092.38	257.42
		For Class 52 Rating, Deduct	*-297.26*	
		For Class 54 Rating, Add	*410.03*	
		For Class 55 Rating, Add	*611.99*	
		For Class 56 Rating, Add	*811.24*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,384.85	259.20
		For Class 52 Rating, Deduct	*-329.13*	
		For Class 54 Rating, Add	*453.53*	
		For Class 55 Rating, Add	*676.67*	
		For Class 56 Rating, Add	*896.81*	
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,677.32	261.00
		For Class 52 Rating, Deduct	*-361.01*	
		For Class 54 Rating, Add	*497.03*	
		For Class 55 Rating, Add	*741.35*	
		For Class 56 Rating, Add	*982.39*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,969.80	262.78
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*540.53*	
		For Class 55 Rating, Add	*806.03*	
		For Class 56 Rating, Add	*1,067.97*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,262.27	264.58
		For Class 52 Rating, Deduct	*-424.76*	
		For Class 54 Rating, Add	*584.02*	
		For Class 55 Rating, Add	*870.72*	
		For Class 56 Rating, Add	*1,153.55*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,554.74	266.35
		For Class 52 Rating, Deduct	*-456.63*	
		For Class 54 Rating, Add	*627.52*	
		For Class 55 Rating, Add	*935.40*	
		For Class 56 Rating, Add	*1,239.12*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,847.22	268.14
		For Class 52 Rating, Deduct	*-488.50*	
		For Class 54 Rating, Add	*671.02*	
		For Class 55 Rating, Add	*1,000.08*	
		For Class 56 Rating, Add	*1,324.70*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,139.69	269.93
		For Class 52 Rating, Deduct	*-520.38*	
		For Class 54 Rating, Add	*714.51*	
		For Class 55 Rating, Add	*1,064.76*	
		For Class 56 Rating, Add	*1,410.28*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,432.15	271.71
		For Class 52 Rating, Deduct	*-552.25*	
		For Class 54 Rating, Add	*758.01*	
		For Class 55 Rating, Add	*1,129.44*	
		For Class 56 Rating, Add	*1,495.86*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,724.63	273.51
		For Class 52 Rating, Deduct	*-584.13*	
		For Class 54 Rating, Add	*801.51*	
		For Class 55 Rating, Add	*1,194.13*	
		For Class 56 Rating, Add	*1,581.44*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,017.10	275.29
		For Class 52 Rating, Deduct	*-616.00*	
		For Class 54 Rating, Add	*845.00*	
		For Class 55 Rating, Add	*1,258.81*	
		For Class 56 Rating, Add	*1,667.01*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,309.56	277.09
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*888.50*	
		For Class 55 Rating, Add	*1,323.49*	
		For Class 56 Rating, Add	*1,752.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,602.05	278.86
		For Class 52 Rating, Deduct	*-679.75*	
		For Class 54 Rating, Add	*932.00*	
		For Class 55 Rating, Add	*1,388.17*	
		For Class 56 Rating, Add	*1,838.17*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,894.52	280.66
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*975.49*	
		For Class 55 Rating, Add	*1,452.86*	
		For Class 56 Rating, Add	*1,923.75*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,186.99	282.44
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,018.99*	
		For Class 55 Rating, Add	*1,517.54*	
		For Class 56 Rating, Add	*2,009.32*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,479.45	284.23
		For Class 52 Rating, Deduct	*-775.37*	
		For Class 54 Rating, Add	*1,062.49*	
		For Class 55 Rating, Add	*1,582.22*	
		For Class 56 Rating, Add	*2,094.90*	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,771.93	286.02
		For Class 52 Rating, Deduct	*-807.24*	
		For Class 54 Rating, Add	*1,105.99*	
		For Class 55 Rating, Add	*1,646.90*	
		For Class 56 Rating, Add	*2,180.48*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,064.40	287.80
		For Class 52 Rating, Deduct	*-839.12*	
		For Class 54 Rating, Add	*1,149.48*	
		For Class 55 Rating, Add	*1,711.58*	
		For Class 56 Rating, Add	*2,266.06*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,356.87	289.60
		For Class 52 Rating, Deduct	*-870.99*	
		For Class 54 Rating, Add	*1,192.98*	
		For Class 55 Rating, Add	*1,776.26*	
		For Class 56 Rating, Add	*2,351.63*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,649.34	291.37
		For Class 52 Rating, Deduct	*-902.86*	
		For Class 54 Rating, Add	*1,236.48*	
		For Class 55 Rating, Add	*1,840.95*	
		For Class 56 Rating, Add	*2,437.21*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,941.82	293.17
		For Class 52 Rating, Deduct	*-934.74*	
		For Class 54 Rating, Add	*1,279.97*	
		For Class 55 Rating, Add	*1,905.63*	
		For Class 56 Rating, Add	*2,522.79*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,234.29	294.95
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,323.47*	
		For Class 55 Rating, Add	*1,970.31*	
		For Class 56 Rating, Add	*2,608.37*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,526.76	296.75
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,366.97*	
		For Class 55 Rating, Add	*2,035.00*	
		For Class 56 Rating, Add	*2,693.95*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,819.23	298.53
		For Class 52 Rating, Deduct	*-1,030.36*	
		For Class 54 Rating, Add	*1,410.46*	
		For Class 55 Rating, Add	*2,099.68*	
		For Class 56 Rating, Add	*2,779.52*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,111.70	300.32
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,453.96*	
		For Class 55 Rating, Add	*2,164.36*	
		For Class 56 Rating, Add	*2,865.10*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,404.18	302.11
		For Class 52 Rating, Deduct	*-1,094.11*	
		For Class 54 Rating, Add	*1,497.46*	
		For Class 55 Rating, Add	*2,229.04*	
		For Class 56 Rating, Add	*2,950.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,696.64	303.90
		For Class 52 Rating, Deduct	*-1,125.98*	
		For Class 54 Rating, Add	*1,540.96*	
		For Class 55 Rating, Add	*2,293.72*	
		For Class 56 Rating, Add	*3,036.25*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,989.11	305.68
		For Class 52 Rating, Deduct	*-1,157.86*	
		For Class 54 Rating, Add	*1,584.45*	
		For Class 55 Rating, Add	*2,358.40*	
		For Class 56 Rating, Add	*3,121.83*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,281.60	307.48
		For Class 52 Rating, Deduct	*-1,189.73*	
		For Class 54 Rating, Add	*1,627.95*	
		For Class 55 Rating, Add	*2,423.09*	
		For Class 56 Rating, Add	*3,207.41*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,574.07	309.26
		For Class 52 Rating, Deduct	*-1,221.60*	
		For Class 54 Rating, Add	*1,671.45*	
		For Class 55 Rating, Add	*2,487.77*	
		For Class 56 Rating, Add	*3,292.99*	
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,866.53	311.04
		For Class 52 Rating, Deduct	*-1,253.48*	
		For Class 54 Rating, Add	*1,714.94*	
		For Class 55 Rating, Add	*2,552.45*	
		For Class 56 Rating, Add	*3,378.56*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,159.01	312.83
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,758.44*	
		For Class 55 Rating, Add	*2,617.14*	
		For Class 56 Rating, Add	*3,464.14*	
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,451.48	314.62
		For Class 52 Rating, Deduct	*-1,317.23*	
		For Class 54 Rating, Add	*1,801.94*	
		For Class 55 Rating, Add	*2,681.82*	
		For Class 56 Rating, Add	*3,549.72*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,743.94	316.41
		For Class 52 Rating, Deduct	*-1,349.10*	
		For Class 54 Rating, Add	*1,845.43*	
		For Class 55 Rating, Add	*2,746.50*	
		For Class 56 Rating, Add	*3,635.30*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,036.42	318.19
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,888.93*	
		For Class 55 Rating, Add	*2,811.18*	
		For Class 56 Rating, Add	*3,720.88*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,631.40	300.32
		For Class 52 Rating, Deduct	*-239.40*	
		For Class 54 Rating, Add	*331.92*	
		For Class 55 Rating, Add	*496.25*	
		For Class 56 Rating, Add	*658.41*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,986.87	302.11
		For Class 52 Rating, Deduct	*-278.20*	
		For Class 54 Rating, Add	*384.86*	
		For Class 55 Rating, Add	*574.98*	
		For Class 56 Rating, Add	*762.57*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,342.32	303.90
		For Class 52 Rating, Deduct	*-317.01*	
		For Class 54 Rating, Add	*437.81*	
		For Class 55 Rating, Add	*653.71*	
		For Class 56 Rating, Add	*866.73*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,697.79	305.68
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*490.75*	
		For Class 55 Rating, Add	*732.44*	
		For Class 56 Rating, Add	*970.89*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,053.26	307.48
		For Class 52 Rating, Deduct	*-394.61*	
		For Class 54 Rating, Add	*543.70*	
		For Class 55 Rating, Add	*811.17*	
		For Class 56 Rating, Add	*1,075.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,408.73	309.26
		For Class 52 Rating, Deduct	*-433.42*	
		For Class 54 Rating, Add	*596.65*	
		For Class 55 Rating, Add	*889.90*	
		For Class 56 Rating, Add	*1,179.21*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,764.18	311.04
		For Class 52 Rating, Deduct	*-472.22*	
		For Class 54 Rating, Add	*649.59*	
		For Class 55 Rating, Add	*968.63*	
		For Class 56 Rating, Add	*1,283.37*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,119.65	312.83
		For Class 52 Rating, Deduct	*-511.02*	
		For Class 54 Rating, Add	*702.54*	
		For Class 55 Rating, Add	*1,047.36*	
		For Class 56 Rating, Add	*1,387.53*	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,475.12	314.62
		For Class 52 Rating, Deduct	*-549.83*	
		For Class 54 Rating, Add	*755.48*	
		For Class 55 Rating, Add	*1,126.09*	
		For Class 56 Rating, Add	*1,491.70*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,830.57	316.41
		For Class 52 Rating, Deduct	*-588.63*	
		For Class 54 Rating, Add	*808.43*	
		For Class 55 Rating, Add	*1,204.82*	
		For Class 56 Rating, Add	*1,595.85*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,186.04	318.19
		For Class 52 Rating, Deduct	*-627.43*	
		For Class 54 Rating, Add	*861.37*	
		For Class 55 Rating, Add	*1,283.55*	
		For Class 56 Rating, Add	*1,700.02*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,541.50	319.99
		For Class 52 Rating, Deduct	*-666.23*	
		For Class 54 Rating, Add	*914.32*	
		For Class 55 Rating, Add	*1,362.28*	
		For Class 56 Rating, Add	*1,804.17*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,896.98	321.77
		For Class 52 Rating, Deduct	*-705.04*	
		For Class 54 Rating, Add	*967.27*	
		For Class 55 Rating, Add	*1,441.01*	
		For Class 56 Rating, Add	*1,908.34*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,252.43	323.56
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,020.21*	
		For Class 55 Rating, Add	*1,519.73*	
		For Class 56 Rating, Add	*2,012.49*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,607.90	325.34
		For Class 52 Rating, Deduct	*-782.64*	
		For Class 54 Rating, Add	*1,073.16*	
		For Class 55 Rating, Add	*1,598.46*	
		For Class 56 Rating, Add	*2,116.66*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,963.36	327.14
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,126.10*	
		For Class 55 Rating, Add	*1,677.19*	
		For Class 56 Rating, Add	*2,220.82*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,318.83	328.92
		For Class 52 Rating, Deduct	*-860.25*	
		For Class 54 Rating, Add	*1,179.05*	
		For Class 55 Rating, Add	*1,755.92*	
		For Class 56 Rating, Add	*2,324.98*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,674.28	330.71
		For Class 52 Rating, Deduct	*-899.05*	
		For Class 54 Rating, Add	*1,231.99*	
		For Class 55 Rating, Add	*1,834.65*	
		For Class 56 Rating, Add	*2,429.14*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,029.75	332.50
		For Class 52 Rating, Deduct	*-937.86*	
		For Class 54 Rating, Add	*1,284.94*	
		For Class 55 Rating, Add	*1,913.38*	
		For Class 56 Rating, Add	*2,533.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,385.21	334.29
		For Class 52 Rating, Deduct	*-976.66*	
		For Class 54 Rating, Add	*1,337.89*	
		For Class 55 Rating, Add	*1,992.11*	
		For Class 56 Rating, Add	*2,637.46*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,740.68	336.07
		For Class 52 Rating, Deduct	*-1,015.46*	
		For Class 54 Rating, Add	*1,390.83*	
		For Class 55 Rating, Add	*2,070.84*	
		For Class 56 Rating, Add	*2,741.62*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,096.14	337.85
		For Class 52 Rating, Deduct	*-1,054.27*	
		For Class 54 Rating, Add	*1,443.78*	
		For Class 55 Rating, Add	*2,149.57*	
		For Class 56 Rating, Add	*2,845.78*	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,451.61	339.65
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,496.72*	
		For Class 55 Rating, Add	*2,228.30*	
		For Class 56 Rating, Add	*2,949.94*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,807.07	341.43
		For Class 52 Rating, Deduct	*-1,131.87*	
		For Class 54 Rating, Add	*1,549.67*	
		For Class 55 Rating, Add	*2,307.03*	
		For Class 56 Rating, Add	*3,054.10*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,162.53	343.22
		For Class 52 Rating, Deduct	*-1,170.68*	
		For Class 54 Rating, Add	*1,602.62*	
		For Class 55 Rating, Add	*2,385.76*	
		For Class 56 Rating, Add	*3,158.26*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,517.99	345.01
		For Class 52 Rating, Deduct	*-1,209.48*	
		For Class 54 Rating, Add	*1,655.56*	
		For Class 55 Rating, Add	*2,464.49*	
		For Class 56 Rating, Add	*3,262.42*	
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,873.46	346.80
		For Class 52 Rating, Deduct	*-1,248.28*	
		For Class 54 Rating, Add	*1,708.51*	
		For Class 55 Rating, Add	*2,543.22*	
		For Class 56 Rating, Add	*3,366.58*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,228.91	348.58
		For Class 52 Rating, Deduct	*-1,287.08*	
		For Class 54 Rating, Add	*1,761.45*	
		For Class 55 Rating, Add	*2,621.95*	
		For Class 56 Rating, Add	*3,470.74*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,584.39	350.38
		For Class 52 Rating, Deduct	*-1,325.89*	
		For Class 54 Rating, Add	*1,814.40*	
		For Class 55 Rating, Add	*2,700.68*	
		For Class 56 Rating, Add	*3,574.90*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,939.85	352.16
		For Class 52 Rating, Deduct	*-1,364.69*	
		For Class 54 Rating, Add	*1,867.34*	
		For Class 55 Rating, Add	*2,779.40*	
		For Class 56 Rating, Add	*3,679.06*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,295.32	353.95
		For Class 52 Rating, Deduct	*-1,403.49*	
		For Class 54 Rating, Add	*1,920.29*	
		For Class 55 Rating, Add	*2,858.13*	
		For Class 56 Rating, Add	*3,783.22*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,650.77	355.73
		For Class 52 Rating, Deduct	*-1,442.30*	
		For Class 54 Rating, Add	*1,973.23*	
		For Class 55 Rating, Add	*2,936.86*	
		For Class 56 Rating, Add	*3,887.38*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,006.24	357.53
		For Class 52 Rating, Deduct	*-1,481.10*	
		For Class 54 Rating, Add	*2,026.18*	
		For Class 55 Rating, Add	*3,015.59*	
		For Class 56 Rating, Add	*3,991.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,361.71	359.31
		For Class 52 Rating, Deduct	*-1,519.90*	
		For Class 54 Rating, Add	*2,079.13*	
		For Class 55 Rating, Add	*3,094.32*	
		For Class 56 Rating, Add	*4,095.70*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,717.17	361.09
		For Class 52 Rating, Deduct	*-1,558.71*	
		For Class 54 Rating, Add	*2,132.07*	
		For Class 55 Rating, Add	*3,173.05*	
		For Class 56 Rating, Add	*4,199.86*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,072.63	362.89
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,185.02*	
		For Class 55 Rating, Add	*3,251.78*	
		For Class 56 Rating, Add	*4,304.02*	
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,428.10	364.67
		For Class 52 Rating, Deduct	*-1,636.31*	
		For Class 54 Rating, Add	*2,237.96*	
		For Class 55 Rating, Add	*3,330.51*	
		For Class 56 Rating, Add	*4,408.18*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,783.57	366.47
		For Class 52 Rating, Deduct	*-1,675.12*	
		For Class 54 Rating, Add	*2,290.91*	
		For Class 55 Rating, Add	*3,409.24*	
		For Class 56 Rating, Add	*4,512.34*	

40 05 19 00-3322 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,086.95	343.22
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*391.28*	
		For Class 55 Rating, Add	*584.90*	
		For Class 56 Rating, Add	*775.96*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,499.11	345.01
		For Class 52 Rating, Deduct	*-327.40*	
		For Class 54 Rating, Add	*452.73*	
		For Class 55 Rating, Add	*676.28*	
		For Class 56 Rating, Add	*896.85*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,911.27	346.80
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*514.18*	
		For Class 55 Rating, Add	*767.65*	
		For Class 56 Rating, Add	*1,017.73*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,323.42	348.58
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*575.63*	
		For Class 55 Rating, Add	*859.02*	
		For Class 56 Rating, Add	*1,138.62*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,735.59	350.38
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*637.08*	
		For Class 55 Rating, Add	*950.39*	
		For Class 56 Rating, Add	*1,259.50*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,147.74	352.16
		For Class 52 Rating, Deduct	*-507.56*	
		For Class 54 Rating, Add	*698.53*	
		For Class 55 Rating, Add	*1,041.76*	
		For Class 56 Rating, Add	*1,380.39*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,559.90	353.95
		For Class 52 Rating, Deduct	*-552.60*	
		For Class 54 Rating, Add	*759.98*	
		For Class 55 Rating, Add	*1,133.14*	
		For Class 56 Rating, Add	*1,501.27*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,972.05	355.73
		For Class 52 Rating, Deduct	*-597.64*	
		For Class 54 Rating, Add	*821.43*	
		For Class 55 Rating, Add	*1,224.51*	
		For Class 56 Rating, Add	*1,622.16*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,384.21	357.53
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*882.88*	
		For Class 55 Rating, Add	*1,315.88*	
		For Class 56 Rating, Add	*1,743.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,796.37	359.31
		For Class 52 Rating, Deduct	*-687.72*	
		For Class 54 Rating, Add	*944.33*	
		For Class 55 Rating, Add	*1,407.25*	
		For Class 56 Rating, Add	*1,863.93*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,208.52	361.09
		For Class 52 Rating, Deduct	*-732.75*	
		For Class 54 Rating, Add	*1,005.78*	
		For Class 55 Rating, Add	*1,498.62*	
		For Class 56 Rating, Add	*1,984.81*	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,620.67	362.89
		For Class 52 Rating, Deduct	*-777.79*	
		For Class 54 Rating, Add	*1,067.23*	
		For Class 55 Rating, Add	*1,590.00*	
		For Class 56 Rating, Add	*2,105.69*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,032.84	364.67
		For Class 52 Rating, Deduct	*-822.83*	
		For Class 54 Rating, Add	*1,128.68*	
		For Class 55 Rating, Add	*1,681.37*	
		For Class 56 Rating, Add	*2,226.58*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,445.00	366.47
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,190.13*	
		For Class 55 Rating, Add	*1,772.74*	
		For Class 56 Rating, Add	*2,347.47*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,857.15	368.24
		For Class 52 Rating, Deduct	*-912.91*	
		For Class 54 Rating, Add	*1,251.58*	
		For Class 55 Rating, Add	*1,864.11*	
		For Class 56 Rating, Add	*2,468.35*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,269.30	370.04
		For Class 52 Rating, Deduct	*-957.95*	
		For Class 54 Rating, Add	*1,313.02*	
		For Class 55 Rating, Add	*1,955.48*	
		For Class 56 Rating, Add	*2,589.23*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,681.46	371.82
		For Class 52 Rating, Deduct	*-1,002.99*	
		For Class 54 Rating, Add	*1,374.47*	
		For Class 55 Rating, Add	*2,046.85*	
		For Class 56 Rating, Add	*2,710.12*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,093.62	373.61
		For Class 52 Rating, Deduct	*-1,048.03*	
		For Class 54 Rating, Add	*1,435.92*	
		For Class 55 Rating, Add	*2,138.23*	
		For Class 56 Rating, Add	*2,831.00*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,505.77	375.40
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,497.37*	
		For Class 55 Rating, Add	*2,229.60*	
		For Class 56 Rating, Add	*2,951.89*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,917.93	377.19
		For Class 52 Rating, Deduct	*-1,138.11*	
		For Class 54 Rating, Add	*1,558.82*	
		For Class 55 Rating, Add	*2,320.97*	
		For Class 56 Rating, Add	*3,072.77*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,330.09	378.98
		For Class 52 Rating, Deduct	*-1,183.15*	
		For Class 54 Rating, Add	*1,620.27*	
		For Class 55 Rating, Add	*2,412.34*	
		For Class 56 Rating, Add	*3,193.66*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,742.25	380.75
		For Class 52 Rating, Deduct	*-1,228.19*	
		For Class 54 Rating, Add	*1,681.72*	
		For Class 55 Rating, Add	*2,503.71*	
		For Class 56 Rating, Add	*3,314.54*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,154.40	382.55
		For Class 52 Rating, Deduct	*-1,273.23*	
		For Class 54 Rating, Add	*1,743.17*	
		For Class 55 Rating, Add	*2,595.09*	
		For Class 56 Rating, Add	*3,435.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,566.56	384.33
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,804.62*	
		For Class 55 Rating, Add	*2,686.46*	
		For Class 56 Rating, Add	*3,556.31*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,978.72	386.13
		For Class 52 Rating, Deduct	*-1,363.30*	
		For Class 54 Rating, Add	*1,866.07*	
		For Class 55 Rating, Add	*2,777.83*	
		For Class 56 Rating, Add	*3,677.20*	
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,390.86	387.91
		For Class 52 Rating, Deduct	*-1,408.34*	
		For Class 54 Rating, Add	*1,927.52*	
		For Class 55 Rating, Add	*2,869.20*	
		For Class 56 Rating, Add	*3,798.08*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,803.02	389.70
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,988.97*	
		For Class 55 Rating, Add	*2,960.57*	
		For Class 56 Rating, Add	*3,918.96*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,215.18	391.49
		For Class 52 Rating, Deduct	*-1,498.42*	
		For Class 54 Rating, Add	*2,050.42*	
		For Class 55 Rating, Add	*3,051.95*	
		For Class 56 Rating, Add	*4,039.85*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,627.35	393.28
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,111.87*	
		For Class 55 Rating, Add	*3,143.32*	
		For Class 56 Rating, Add	*4,160.74*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,039.50	395.06
		For Class 52 Rating, Deduct	*-1,588.50*	
		For Class 54 Rating, Add	*2,173.32*	
		For Class 55 Rating, Add	*3,234.69*	
		For Class 56 Rating, Add	*4,281.62*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,451.65	396.85
		For Class 52 Rating, Deduct	*-1,633.54*	
		For Class 54 Rating, Add	*2,234.77*	
		For Class 55 Rating, Add	*3,326.06*	
		For Class 56 Rating, Add	*4,402.50*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,863.81	398.64
		For Class 52 Rating, Deduct	*-1,678.58*	
		For Class 54 Rating, Add	*2,296.22*	
		For Class 55 Rating, Add	*3,417.43*	
		For Class 56 Rating, Add	*4,523.39*	
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,275.97	400.43
		For Class 52 Rating, Deduct	*-1,723.62*	
		For Class 54 Rating, Add	*2,357.67*	
		For Class 55 Rating, Add	*3,508.81*	
		For Class 56 Rating, Add	*4,644.27*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,688.12	402.21
		For Class 52 Rating, Deduct	*-1,768.66*	
		For Class 54 Rating, Add	*2,419.12*	
		For Class 55 Rating, Add	*3,600.18*	
		For Class 56 Rating, Add	*4,765.16*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,100.28	404.01
		For Class 52 Rating, Deduct	*-1,813.70*	
		For Class 54 Rating, Add	*2,480.57*	
		For Class 55 Rating, Add	*3,691.55*	
		For Class 56 Rating, Add	*4,886.04*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,512.43	405.79
		For Class 52 Rating, Deduct	*-1,858.74*	
		For Class 54 Rating, Add	*2,542.02*	
		For Class 55 Rating, Add	*3,782.92*	
		For Class 56 Rating, Add	*5,006.93*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,924.59	407.57
		For Class 52 Rating, Deduct	*-1,903.78*	
		For Class 54 Rating, Add	*2,603.47*	
		For Class 55 Rating, Add	*3,874.29*	
		For Class 56 Rating, Add	*5,127.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,336.75	409.37
		For Class 52 Rating, Deduct	*-1,948.82*	
		For Class 54 Rating, Add	*2,664.92*	
		For Class 55 Rating, Add	*3,965.67*	
		For Class 56 Rating, Add	*5,248.70*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,593.99	386.84
		For Class 52 Rating, Deduct	*-330.87*	
		For Class 54 Rating, Add	*458.21*	
		For Class 55 Rating, Add	*684.82*	
		For Class 56 Rating, Add	*908.42*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,069.14	388.63
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*529.11*	
		For Class 55 Rating, Add	*790.24*	
		For Class 56 Rating, Add	*1,047.89*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,544.29	390.41
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*600.01*	
		For Class 55 Rating, Add	*895.66*	
		For Class 56 Rating, Add	*1,187.36*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,019.44	392.21
		For Class 52 Rating, Deduct	*-486.77*	
		For Class 54 Rating, Add	*670.91*	
		For Class 55 Rating, Add	*1,001.08*	
		For Class 56 Rating, Add	*1,326.82*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,494.59	393.99
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*741.81*	
		For Class 55 Rating, Add	*1,106.50*	
		For Class 56 Rating, Add	*1,466.29*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,969.74	395.78
		For Class 52 Rating, Deduct	*-590.71*	
		For Class 54 Rating, Add	*812.71*	
		For Class 55 Rating, Add	*1,211.92*	
		For Class 56 Rating, Add	*1,605.76*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,444.88	397.56
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*883.60*	
		For Class 55 Rating, Add	*1,317.34*	
		For Class 56 Rating, Add	*1,745.23*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,920.03	399.36
		For Class 52 Rating, Deduct	*-694.64*	
		For Class 54 Rating, Add	*954.50*	
		For Class 55 Rating, Add	*1,422.76*	
		For Class 56 Rating, Add	*1,884.69*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,395.18	401.14
		For Class 52 Rating, Deduct	*-746.61*	
		For Class 54 Rating, Add	*1,025.40*	
		For Class 55 Rating, Add	*1,528.17*	
		For Class 56 Rating, Add	*2,024.16*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,870.33	402.92
		For Class 52 Rating, Deduct	*-798.58*	
		For Class 54 Rating, Add	*1,096.30*	
		For Class 55 Rating, Add	*1,633.59*	
		For Class 56 Rating, Add	*2,163.63*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,345.48	404.72
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,167.20*	
		For Class 55 Rating, Add	*1,739.01*	
		For Class 56 Rating, Add	*2,303.10*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,820.63	406.50
		For Class 52 Rating, Deduct	*-902.52*	
		For Class 54 Rating, Add	*1,238.10*	
		For Class 55 Rating, Add	*1,844.43*	
		For Class 56 Rating, Add	*2,442.56*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,295.78	408.29
		For Class 52 Rating, Deduct	*-954.49*	
		For Class 54 Rating, Add	*1,309.00*	
		For Class 55 Rating, Add	*1,949.85*	
		For Class 56 Rating, Add	*2,582.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,770.92	410.07
		For Class 52 Rating, Deduct	*-1,006.45*	
		For Class 54 Rating, Add	*1,379.89*	
		For Class 55 Rating, Add	*2,055.27*	
		For Class 56 Rating, Add	*2,721.50*	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,246.07	411.87
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,450.79*	
		For Class 55 Rating, Add	*2,160.69*	
		For Class 56 Rating, Add	*2,860.96*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,721.22	413.65
		For Class 52 Rating, Deduct	*-1,110.39*	
		For Class 54 Rating, Add	*1,521.69*	
		For Class 55 Rating, Add	*2,266.11*	
		For Class 56 Rating, Add	*3,000.43*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,196.37	415.44
		For Class 52 Rating, Deduct	*-1,162.36*	
		For Class 54 Rating, Add	*1,592.59*	
		For Class 55 Rating, Add	*2,371.53*	
		For Class 56 Rating, Add	*3,139.90*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,671.51	417.23
		For Class 52 Rating, Deduct	*-1,214.33*	
		For Class 54 Rating, Add	*1,663.49*	
		For Class 55 Rating, Add	*2,476.95*	
		For Class 56 Rating, Add	*3,279.37*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,146.67	419.02
		For Class 52 Rating, Deduct	*-1,266.30*	
		For Class 54 Rating, Add	*1,734.39*	
		For Class 55 Rating, Add	*2,582.37*	
		For Class 56 Rating, Add	*3,418.83*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,621.82	420.80
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,805.29*	
		For Class 55 Rating, Add	*2,687.79*	
		For Class 56 Rating, Add	*3,558.30*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,096.96	422.60
		For Class 52 Rating, Deduct	*-1,370.23*	
		For Class 54 Rating, Add	*1,876.18*	
		For Class 55 Rating, Add	*2,793.20*	
		For Class 56 Rating, Add	*3,697.77*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,572.11	424.38
		For Class 52 Rating, Deduct	*-1,422.20*	
		For Class 54 Rating, Add	*1,947.08*	
		For Class 55 Rating, Add	*2,898.62*	
		For Class 56 Rating, Add	*3,837.24*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,047.26	426.18
		For Class 52 Rating, Deduct	*-1,474.17*	
		For Class 54 Rating, Add	*2,017.98*	
		For Class 55 Rating, Add	*3,004.04*	
		For Class 56 Rating, Add	*3,976.70*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,522.41	427.95
		For Class 52 Rating, Deduct	*-1,526.14*	
		For Class 54 Rating, Add	*2,088.88*	
		For Class 55 Rating, Add	*3,109.46*	
		For Class 56 Rating, Add	*4,116.17*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,997.55	429.74
		For Class 52 Rating, Deduct	*-1,578.11*	
		For Class 54 Rating, Add	*2,159.78*	
		For Class 55 Rating, Add	*3,214.88*	
		For Class 56 Rating, Add	*4,255.64*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,472.70	431.53
		For Class 52 Rating, Deduct	*-1,630.08*	
		For Class 54 Rating, Add	*2,230.68*	
		For Class 55 Rating, Add	*3,320.30*	
		For Class 56 Rating, Add	*4,395.10*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,947.86	433.32
		For Class 52 Rating, Deduct	*-1,682.04*	
		For Class 54 Rating, Add	*2,301.58*	
		For Class 55 Rating, Add	*3,425.72*	
		For Class 56 Rating, Add	*4,534.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,423.01	435.11
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,372.47*	
		For Class 55 Rating, Add	*3,531.14*	
		For Class 56 Rating, Add	*4,674.04*	
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,898.15	436.89
		For Class 52 Rating, Deduct	*-1,785.98*	
		For Class 54 Rating, Add	*2,443.37*	
		For Class 55 Rating, Add	*3,636.56*	
		For Class 56 Rating, Add	*4,813.51*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,373.30	438.69
		For Class 52 Rating, Deduct	*-1,837.95*	
		For Class 54 Rating, Add	*2,514.27*	
		For Class 55 Rating, Add	*3,741.98*	
		For Class 56 Rating, Add	*4,952.97*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,848.45	440.46
		For Class 52 Rating, Deduct	*-1,889.92*	
		For Class 54 Rating, Add	*2,585.17*	
		For Class 55 Rating, Add	*3,847.40*	
		For Class 56 Rating, Add	*5,092.44*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,323.59	442.26
		For Class 52 Rating, Deduct	*-1,941.89*	
		For Class 54 Rating, Add	*2,656.07*	
		For Class 55 Rating, Add	*3,952.81*	
		For Class 56 Rating, Add	*5,231.91*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,798.74	444.04
		For Class 52 Rating, Deduct	*-1,993.85*	
		For Class 54 Rating, Add	*2,726.97*	
		For Class 55 Rating, Add	*4,058.23*	
		For Class 56 Rating, Add	*5,371.38*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,273.89	445.84
		For Class 52 Rating, Deduct	*-2,045.82*	
		For Class 54 Rating, Add	*2,797.86*	
		For Class 55 Rating, Add	*4,163.65*	
		For Class 56 Rating, Add	*5,510.84*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,749.05	447.62
		For Class 52 Rating, Deduct	*-2,097.79*	
		For Class 54 Rating, Add	*2,868.76*	
		For Class 55 Rating, Add	*4,269.07*	
		For Class 56 Rating, Add	*5,650.31*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,224.19	449.41
		For Class 52 Rating, Deduct	*-2,149.76*	
		For Class 54 Rating, Add	*2,939.66*	
		For Class 55 Rating, Add	*4,374.49*	
		For Class 56 Rating, Add	*5,789.78*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,699.34	451.20
		For Class 52 Rating, Deduct	*-2,201.73*	
		For Class 54 Rating, Add	*3,010.56*	
		For Class 55 Rating, Add	*4,479.91*	
		For Class 56 Rating, Add	*5,929.25*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,174.49	452.97
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,081.46*	
		For Class 55 Rating, Add	*4,585.33*	
		For Class 56 Rating, Add	*6,068.71*	
40 05 19 00-3400		20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,196.55	441.54
		For Class 52 Rating, Deduct	*-388.03*	
		For Class 54 Rating, Add	*537.16*	
		For Class 55 Rating, Add	*802.70*	
		For Class 56 Rating, Add	*1,064.71*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,737.84	443.33
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*617.98*	
		For Class 55 Rating, Add	*922.87*	
		For Class 56 Rating, Add	*1,223.69*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,279.14	445.11
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*698.80*	
		For Class 55 Rating, Add	*1,043.04*	
		For Class 56 Rating, Add	*1,382.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,820.42	446.91
		For Class 52 Rating, Deduct	*-565.76*	
		For Class 54 Rating, Add	*779.62*	
		For Class 55 Rating, Add	*1,163.21*	
		For Class 56 Rating, Add	*1,541.65*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,361.71	448.69
		For Class 52 Rating, Deduct	*-625.01*	
		For Class 54 Rating, Add	*860.44*	
		For Class 55 Rating, Add	*1,283.38*	
		For Class 56 Rating, Add	*1,700.63*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,903.01	450.48
		For Class 52 Rating, Deduct	*-684.25*	
		For Class 54 Rating, Add	*941.26*	
		For Class 55 Rating, Add	*1,403.54*	
		For Class 56 Rating, Add	*1,859.61*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,444.30	452.27
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,022.08*	
		For Class 55 Rating, Add	*1,523.71*	
		For Class 56 Rating, Add	*2,018.59*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,985.58	454.06
		For Class 52 Rating, Deduct	*-802.74*	
		For Class 54 Rating, Add	*1,102.90*	
		For Class 55 Rating, Add	*1,643.88*	
		For Class 56 Rating, Add	*2,177.56*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,526.87	455.84
		For Class 52 Rating, Deduct	*-861.98*	
		For Class 54 Rating, Add	*1,183.72*	
		For Class 55 Rating, Add	*1,764.05*	
		For Class 56 Rating, Add	*2,336.54*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,068.17	457.62
		For Class 52 Rating, Deduct	*-921.23*	
		For Class 54 Rating, Add	*1,264.54*	
		For Class 55 Rating, Add	*1,884.22*	
		For Class 56 Rating, Add	*2,495.52*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,609.45	459.42
		For Class 52 Rating, Deduct	*-980.47*	
		For Class 54 Rating, Add	*1,345.36*	
		For Class 55 Rating, Add	*2,004.39*	
		For Class 56 Rating, Add	*2,654.50*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,150.74	461.20
		For Class 52 Rating, Deduct	*-1,039.71*	
		For Class 54 Rating, Add	*1,426.18*	
		For Class 55 Rating, Add	*2,124.56*	
		For Class 56 Rating, Add	*2,813.48*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,692.03	462.99
		For Class 52 Rating, Deduct	*-1,098.96*	
		For Class 54 Rating, Add	*1,507.00*	
		For Class 55 Rating, Add	*2,244.72*	
		For Class 56 Rating, Add	*2,972.46*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,233.33	464.78
		For Class 52 Rating, Deduct	*-1,158.20*	
		For Class 54 Rating, Add	*1,587.82*	
		For Class 55 Rating, Add	*2,364.89*	
		For Class 56 Rating, Add	*3,131.44*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,774.61	466.57
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,668.64*	
		For Class 55 Rating, Add	*2,485.06*	
		For Class 56 Rating, Add	*3,290.42*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,315.91	468.36
		For Class 52 Rating, Deduct	*-1,276.69*	
		For Class 54 Rating, Add	*1,749.46*	
		For Class 55 Rating, Add	*2,605.23*	
		For Class 56 Rating, Add	*3,449.40*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,857.20	470.14
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,830.28*	
		For Class 55 Rating, Add	*2,725.40*	
		For Class 56 Rating, Add	*3,608.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,398.49	471.93
		For Class 52 Rating, Deduct	*-1,395.18*	
		For Class 54 Rating, Add	*1,911.10*	
		For Class 55 Rating, Add	*2,845.57*	
		For Class 56 Rating, Add	*3,767.36*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,939.77	473.72
		For Class 52 Rating, Deduct	*-1,454.42*	
		For Class 54 Rating, Add	*1,991.92*	
		For Class 55 Rating, Add	*2,965.74*	
		For Class 56 Rating, Add	*3,926.33*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,481.06	475.51
		For Class 52 Rating, Deduct	*-1,513.67*	
		For Class 54 Rating, Add	*2,072.74*	
		For Class 55 Rating, Add	*3,085.90*	
		For Class 56 Rating, Add	*4,085.31*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,022.35	477.30
		For Class 52 Rating, Deduct	*-1,572.91*	
		For Class 54 Rating, Add	*2,153.56*	
		For Class 55 Rating, Add	*3,206.07*	
		For Class 56 Rating, Add	*4,244.29*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,563.65	479.08
		For Class 52 Rating, Deduct	*-1,632.15*	
		For Class 54 Rating, Add	*2,234.38*	
		For Class 55 Rating, Add	*3,326.24*	
		For Class 56 Rating, Add	*4,403.27*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,104.94	480.87
		For Class 52 Rating, Deduct	*-1,691.40*	
		For Class 54 Rating, Add	*2,315.20*	
		For Class 55 Rating, Add	*3,446.41*	
		For Class 56 Rating, Add	*4,562.25*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,646.23	482.65
		For Class 52 Rating, Deduct	*-1,750.64*	
		For Class 54 Rating, Add	*2,396.02*	
		For Class 55 Rating, Add	*3,566.58*	
		For Class 56 Rating, Add	*4,721.23*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,187.52	484.44
		For Class 52 Rating, Deduct	*-1,809.89*	
		For Class 54 Rating, Add	*2,476.83*	
		For Class 55 Rating, Add	*3,686.75*	
		For Class 56 Rating, Add	*4,880.21*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,728.80	486.23
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,557.65*	
		For Class 55 Rating, Add	*3,806.92*	
		For Class 56 Rating, Add	*5,039.19*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,270.09	488.02
		For Class 52 Rating, Deduct	*-1,928.37*	
		For Class 54 Rating, Add	*2,638.47*	
		For Class 55 Rating, Add	*3,927.09*	
		For Class 56 Rating, Add	*5,198.17*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,811.39	489.81
		For Class 52 Rating, Deduct	*-1,987.62*	
		For Class 54 Rating, Add	*2,719.29*	
		For Class 55 Rating, Add	*4,047.26*	
		For Class 56 Rating, Add	*5,357.15*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,352.68	491.59
		For Class 52 Rating, Deduct	*-2,046.86*	
		For Class 54 Rating, Add	*2,800.11*	
		For Class 55 Rating, Add	*4,167.42*	
		For Class 56 Rating, Add	*5,516.13*	
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,893.97	493.39
		For Class 52 Rating, Deduct	*-2,106.11*	
		For Class 54 Rating, Add	*2,880.93*	
		For Class 55 Rating, Add	*4,287.59*	
		For Class 56 Rating, Add	*5,675.11*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,435.26	495.17
		For Class 52 Rating, Deduct	*-2,165.35*	
		For Class 54 Rating, Add	*2,961.75*	
		For Class 55 Rating, Add	*4,407.76*	
		For Class 56 Rating, Add	*5,834.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,976.55	496.96
		For Class 52 Rating, Deduct	*-2,224.59*	
		For Class 54 Rating, Add	*3,042.57*	
		For Class 55 Rating, Add	*4,527.93*	
		For Class 56 Rating, Add	*5,993.06*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,517.83	498.74
		For Class 52 Rating, Deduct	*-2,283.84*	
		For Class 54 Rating, Add	*3,123.39*	
		For Class 55 Rating, Add	*4,648.10*	
		For Class 56 Rating, Add	*6,152.04*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,059.12	500.54
		For Class 52 Rating, Deduct	*-2,343.08*	
		For Class 54 Rating, Add	*3,204.21*	
		For Class 55 Rating, Add	*4,768.27*	
		For Class 56 Rating, Add	*6,311.02*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,600.42	502.32
		For Class 52 Rating, Deduct	*-2,402.33*	
		For Class 54 Rating, Add	*3,285.03*	
		For Class 55 Rating, Add	*4,888.44*	
		For Class 56 Rating, Add	*6,470.00*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,141.71	504.10
		For Class 52 Rating, Deduct	*-2,461.57*	
		For Class 54 Rating, Add	*3,365.85*	
		For Class 55 Rating, Add	*5,008.61*	
		For Class 56 Rating, Add	*6,628.98*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,682.99	505.90
		For Class 52 Rating, Deduct	*-2,520.81*	
		For Class 54 Rating, Add	*3,446.67*	
		For Class 55 Rating, Add	*5,128.77*	
		For Class 56 Rating, Add	*6,787.96*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,224.29	507.68
		For Class 52 Rating, Deduct	*-2,580.06*	
		For Class 54 Rating, Add	*3,527.49*	
		For Class 55 Rating, Add	*5,248.94*	
		For Class 56 Rating, Add	*6,946.94*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,194.03	521.98
		For Class 52 Rating, Deduct	*-484.35*	
		For Class 54 Rating, Add	*669.96*	
		For Class 55 Rating, Add	*1,000.88*	
		For Class 56 Rating, Add	*1,327.40*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,864.46	523.78
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*770.15*	
		For Class 55 Rating, Add	*1,149.85*	
		For Class 56 Rating, Add	*1,524.47*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,534.87	525.56
		For Class 52 Rating, Deduct	*-631.24*	
		For Class 54 Rating, Add	*870.34*	
		For Class 55 Rating, Add	*1,298.81*	
		For Class 56 Rating, Add	*1,721.54*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,205.30	527.34
		For Class 52 Rating, Deduct	*-704.69*	
		For Class 54 Rating, Add	*970.53*	
		For Class 55 Rating, Add	*1,447.78*	
		For Class 56 Rating, Add	*1,918.62*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,875.72	529.13
		For Class 52 Rating, Deduct	*-778.14*	
		For Class 54 Rating, Add	*1,070.72*	
		For Class 55 Rating, Add	*1,596.74*	
		For Class 56 Rating, Add	*2,115.69*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,546.15	530.92
		For Class 52 Rating, Deduct	*-851.59*	
		For Class 54 Rating, Add	*1,170.91*	
		For Class 55 Rating, Add	*1,745.71*	
		For Class 56 Rating, Add	*2,312.77*	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,216.56	532.71
		For Class 52 Rating, Deduct	*-925.04*	
		For Class 54 Rating, Add	*1,271.10*	
		For Class 55 Rating, Add	*1,894.67*	
		For Class 56 Rating, Add	*2,509.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,886.99	534.49
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,371.29*	
		For Class 55 Rating, Add	*2,043.64*	
		For Class 56 Rating, Add	*2,706.91*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,557.42	536.29
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,471.48*	
		For Class 55 Rating, Add	*2,192.61*	
		For Class 56 Rating, Add	*2,903.99*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,227.84	538.07
		For Class 52 Rating, Deduct	*-1,145.38*	
		For Class 54 Rating, Add	*1,571.67*	
		For Class 55 Rating, Add	*2,341.57*	
		For Class 56 Rating, Add	*3,101.06*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,898.26	539.86
		For Class 52 Rating, Deduct	*-1,218.83*	
		For Class 54 Rating, Add	*1,671.86*	
		For Class 55 Rating, Add	*2,490.54*	
		For Class 56 Rating, Add	*3,298.13*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,568.69	541.64
		For Class 52 Rating, Deduct	*-1,292.28*	
		For Class 54 Rating, Add	*1,772.05*	
		For Class 55 Rating, Add	*2,639.50*	
		For Class 56 Rating, Add	*3,495.21*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,239.11	543.44
		For Class 52 Rating, Deduct	*-1,365.73*	
		For Class 54 Rating, Add	*1,872.24*	
		For Class 55 Rating, Add	*2,788.47*	
		For Class 56 Rating, Add	*3,692.28*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,909.53	545.22
		For Class 52 Rating, Deduct	*-1,439.18*	
		For Class 54 Rating, Add	*1,972.43*	
		For Class 55 Rating, Add	*2,937.43*	
		For Class 56 Rating, Add	*3,889.35*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,579.95	547.01
		For Class 52 Rating, Deduct	*-1,512.63*	
		For Class 54 Rating, Add	*2,072.62*	
		For Class 55 Rating, Add	*3,086.40*	
		For Class 56 Rating, Add	*4,086.43*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,250.38	548.80
		For Class 52 Rating, Deduct	*-1,586.08*	
		For Class 54 Rating, Add	*2,172.81*	
		For Class 55 Rating, Add	*3,235.36*	
		For Class 56 Rating, Add	*4,283.50*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,920.81	550.59
		For Class 52 Rating, Deduct	*-1,659.52*	
		For Class 54 Rating, Add	*2,273.00*	
		For Class 55 Rating, Add	*3,384.33*	
		For Class 56 Rating, Add	*4,480.57*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,591.23	552.37
		For Class 52 Rating, Deduct	*-1,732.97*	
		For Class 54 Rating, Add	*2,373.19*	
		For Class 55 Rating, Add	*3,533.30*	
		For Class 56 Rating, Add	*4,677.65*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,261.65	554.16
		For Class 52 Rating, Deduct	*-1,806.42*	
		For Class 54 Rating, Add	*2,473.38*	
		For Class 55 Rating, Add	*3,682.26*	
		For Class 56 Rating, Add	*4,874.72*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,932.08	555.95
		For Class 52 Rating, Deduct	*-1,879.87*	
		For Class 54 Rating, Add	*2,573.57*	
		For Class 55 Rating, Add	*3,831.23*	
		For Class 56 Rating, Add	*5,071.79*	
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,602.49	557.74
		For Class 52 Rating, Deduct	*-1,953.32*	
		For Class 54 Rating, Add	*2,673.76*	
		For Class 55 Rating, Add	*3,980.19*	
		For Class 56 Rating, Add	*5,268.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,272.92	559.52
		For Class 52 Rating, Deduct	*-2,026.77*	
		For Class 54 Rating, Add	*2,773.95*	
		For Class 55 Rating, Add	*4,129.16*	
		For Class 56 Rating, Add	*5,465.94*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,943.35	561.31
		For Class 52 Rating, Deduct	*-2,100.22*	
		For Class 54 Rating, Add	*2,874.14*	
		For Class 55 Rating, Add	*4,278.12*	
		For Class 56 Rating, Add	*5,663.02*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,613.77	563.10
		For Class 52 Rating, Deduct	*-2,173.66*	
		For Class 54 Rating, Add	*2,974.33*	
		For Class 55 Rating, Add	*4,427.09*	
		For Class 56 Rating, Add	*5,860.09*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,284.20	564.89
		For Class 52 Rating, Deduct	*-2,247.11*	
		For Class 54 Rating, Add	*3,074.52*	
		For Class 55 Rating, Add	*4,576.05*	
		For Class 56 Rating, Add	*6,057.16*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,954.62	566.68
		For Class 52 Rating, Deduct	*-2,320.56*	
		For Class 54 Rating, Add	*3,174.71*	
		For Class 55 Rating, Add	*4,725.02*	
		For Class 56 Rating, Add	*6,254.24*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,625.05	568.46
		For Class 52 Rating, Deduct	*-2,394.01*	
		For Class 54 Rating, Add	*3,274.90*	
		For Class 55 Rating, Add	*4,873.99*	
		For Class 56 Rating, Add	*6,451.31*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,295.46	570.26
		For Class 52 Rating, Deduct	*-2,467.46*	
		For Class 54 Rating, Add	*3,375.09*	
		For Class 55 Rating, Add	*5,022.95*	
		For Class 56 Rating, Add	*6,648.38*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,965.89	572.03
		For Class 52 Rating, Deduct	*-2,540.91*	
		For Class 54 Rating, Add	*3,475.28*	
		For Class 55 Rating, Add	*5,171.92*	
		For Class 56 Rating, Add	*6,845.46*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,682.35	604.21
		For Class 52 Rating, Deduct	*-2,614.36*	
		For Class 54 Rating, Add	*3,576.02*	
		For Class 55 Rating, Add	*5,321.99*	
		For Class 56 Rating, Add	*7,044.19*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,352.78	606.00
		For Class 52 Rating, Deduct	*-2,687.81*	
		For Class 54 Rating, Add	*3,676.21*	
		For Class 55 Rating, Add	*5,470.95*	
		For Class 56 Rating, Add	*7,241.26*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,023.21	607.79
		For Class 52 Rating, Deduct	*-2,761.25*	
		For Class 54 Rating, Add	*3,776.40*	
		For Class 55 Rating, Add	*5,619.92*	
		For Class 56 Rating, Add	*7,438.33*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,693.63	609.58
		For Class 52 Rating, Deduct	*-2,834.70*	
		For Class 54 Rating, Add	*3,876.59*	
		For Class 55 Rating, Add	*5,768.88*	
		For Class 56 Rating, Add	*7,635.41*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,364.05	611.36
		For Class 52 Rating, Deduct	*-2,908.15*	
		For Class 54 Rating, Add	*3,976.78*	
		For Class 55 Rating, Add	*5,917.85*	
		For Class 56 Rating, Add	*7,832.48*	
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,184.08	613.16
		For Class 52 Rating, Deduct	*-3,328.06*	
		For Class 54 Rating, Add	*4,549.41*	
		For Class 55 Rating, Add	*6,769.17*	
		For Class 56 Rating, Add	*8,958.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,704.90	614.94
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,177.16*	
		For Class 55 Rating, Add	*6,215.78*	
		For Class 56 Rating, Add	*8,226.63*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,375.32	616.73
		For Class 52 Rating, Deduct	*-3,128.50*	
		For Class 54 Rating, Add	*4,277.35*	
		For Class 55 Rating, Add	*6,364.74*	
		For Class 56 Rating, Add	*8,423.70*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,045.74	618.51
		For Class 52 Rating, Deduct	*-3,201.95*	
		For Class 54 Rating, Add	*4,377.54*	
		For Class 55 Rating, Add	*6,513.71*	
		For Class 56 Rating, Add	*8,620.77*	
40 05 19 00-3478		**30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-3082)*		
40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,971.01	736.50
		For Class 52 Rating, Deduct	*-864.06*	
		For Class 54 Rating, Add	*1,191.66*	
		For Class 55 Rating, Add	*1,778.47*	
		For Class 56 Rating, Add	*2,357.43*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,931.20	738.28
		For Class 52 Rating, Deduct	*-969.38*	
		For Class 54 Rating, Add	*1,335.31*	
		For Class 55 Rating, Add	*1,992.05*	
		For Class 56 Rating, Add	*2,639.98*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,891.38	740.08
		For Class 52 Rating, Deduct	*-1,074.71*	
		For Class 54 Rating, Add	*1,478.96*	
		For Class 55 Rating, Add	*2,205.64*	
		For Class 56 Rating, Add	*2,922.54*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,851.57	741.86
		For Class 52 Rating, Deduct	*-1,180.03*	
		For Class 54 Rating, Add	*1,622.62*	
		For Class 55 Rating, Add	*2,419.22*	
		For Class 56 Rating, Add	*3,205.09*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,811.76	743.66
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,766.27*	
		For Class 55 Rating, Add	*2,632.80*	
		For Class 56 Rating, Add	*3,487.64*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,771.94	745.43
		For Class 52 Rating, Deduct	*-1,390.67*	
		For Class 54 Rating, Add	*1,909.93*	
		For Class 55 Rating, Add	*2,846.38*	
		For Class 56 Rating, Add	*3,770.19*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,732.12	747.22
		For Class 52 Rating, Deduct	*-1,496.00*	
		For Class 54 Rating, Add	*2,053.58*	
		For Class 55 Rating, Add	*3,059.96*	
		For Class 56 Rating, Add	*4,052.75*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,692.31	749.01
		For Class 52 Rating, Deduct	*-1,601.32*	
		For Class 54 Rating, Add	*2,197.24*	
		For Class 55 Rating, Add	*3,273.55*	
		For Class 56 Rating, Add	*4,335.30*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,652.51	750.79
		For Class 52 Rating, Deduct	*-1,706.64*	
		For Class 54 Rating, Add	*2,340.89*	
		For Class 55 Rating, Add	*3,487.13*	
		For Class 56 Rating, Add	*4,617.86*	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,612.69	752.59
		For Class 52 Rating, Deduct	*-1,811.97*	
		For Class 54 Rating, Add	*2,484.54*	
		For Class 55 Rating, Add	*3,700.71*	
		For Class 56 Rating, Add	*4,900.41*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,572.88	754.37
		For Class 52 Rating, Deduct	*-1,917.29*	
		For Class 54 Rating, Add	*2,628.20*	
		For Class 55 Rating, Add	*3,914.30*	
		For Class 56 Rating, Add	*5,182.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,533.06	756.17
		For Class 52 Rating, Deduct	*-2,022.61*	
		For Class 54 Rating, Add	*2,771.85*	
		For Class 55 Rating, Add	*4,127.88*	
		For Class 56 Rating, Add	*5,465.52*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,493.25	757.95
		For Class 52 Rating, Deduct	*-2,127.93*	
		For Class 54 Rating, Add	*2,915.51*	
		For Class 55 Rating, Add	*4,341.46*	
		For Class 56 Rating, Add	*5,748.07*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,453.43	759.74
		For Class 52 Rating, Deduct	*-2,233.26*	
		For Class 54 Rating, Add	*3,059.16*	
		For Class 55 Rating, Add	*4,555.04*	
		For Class 56 Rating, Add	*6,030.62*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,413.62	761.53
		For Class 52 Rating, Deduct	*-2,338.58*	
		For Class 54 Rating, Add	*3,202.82*	
		For Class 55 Rating, Add	*4,768.63*	
		For Class 56 Rating, Add	*6,313.18*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,373.81	763.30
		For Class 52 Rating, Deduct	*-2,443.90*	
		For Class 54 Rating, Add	*3,346.47*	
		For Class 55 Rating, Add	*4,982.21*	
		For Class 56 Rating, Add	*6,595.73*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,334.01	765.10
		For Class 52 Rating, Deduct	*-2,549.22*	
		For Class 54 Rating, Add	*3,490.13*	
		For Class 55 Rating, Add	*5,195.79*	
		For Class 56 Rating, Add	*6,878.29*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,294.19	766.88
		For Class 52 Rating, Deduct	*-2,654.55*	
		For Class 54 Rating, Add	*3,633.78*	
		For Class 55 Rating, Add	*5,409.38*	
		For Class 56 Rating, Add	*7,160.84*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,254.37	768.68
		For Class 52 Rating, Deduct	*-2,759.87*	
		For Class 54 Rating, Add	*3,777.43*	
		For Class 55 Rating, Add	*5,622.96*	
		For Class 56 Rating, Add	*7,443.39*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,214.56	770.46
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,921.09*	
		For Class 55 Rating, Add	*5,836.54*	
		For Class 56 Rating, Add	*7,725.95*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,174.74	772.25
		For Class 52 Rating, Deduct	*-2,970.51*	
		For Class 54 Rating, Add	*4,064.74*	
		For Class 55 Rating, Add	*6,050.12*	
		For Class 56 Rating, Add	*8,008.50*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,134.93	774.04
		For Class 52 Rating, Deduct	*-3,075.84*	
		For Class 54 Rating, Add	*4,208.40*	
		For Class 55 Rating, Add	*6,263.71*	
		For Class 56 Rating, Add	*8,291.05*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,095.12	775.82
		For Class 52 Rating, Deduct	*-3,181.16*	
		For Class 54 Rating, Add	*4,352.05*	
		For Class 55 Rating, Add	*6,477.29*	
		For Class 56 Rating, Add	*8,573.61*	
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,055.31	777.61
		For Class 52 Rating, Deduct	*-3,286.48*	
		For Class 54 Rating, Add	*4,495.70*	
		For Class 55 Rating, Add	*6,690.87*	
		For Class 56 Rating, Add	*8,856.16*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,015.49	779.40
		For Class 52 Rating, Deduct	*-3,391.80*	
		For Class 54 Rating, Add	*4,639.36*	
		For Class 55 Rating, Add	*6,904.45*	
		For Class 56 Rating, Add	*9,138.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,975.68	781.19
		For Class 52 Rating, Deduct	*-3,497.13*	
		For Class 54 Rating, Add	*4,783.01*	
		For Class 55 Rating, Add	*7,118.04*	
		For Class 56 Rating, Add	*9,421.27*	
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,935.87	782.98
		For Class 52 Rating, Deduct	*-3,602.45*	
		For Class 54 Rating, Add	*4,926.67*	
		For Class 55 Rating, Add	*7,331.62*	
		For Class 56 Rating, Add	*9,703.82*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,896.06	784.76
		For Class 52 Rating, Deduct	*-3,707.77*	
		For Class 54 Rating, Add	*5,070.32*	
		For Class 55 Rating, Add	*7,545.20*	
		For Class 56 Rating, Add	*9,986.38*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,856.24	786.56
		For Class 52 Rating, Deduct	*-3,813.10*	
		For Class 54 Rating, Add	*5,213.98*	
		For Class 55 Rating, Add	*7,758.79*	
		For Class 56 Rating, Add	*10,268.93*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,816.43	788.34
		For Class 52 Rating, Deduct	*-3,918.42*	
		For Class 54 Rating, Add	*5,357.63*	
		For Class 55 Rating, Add	*7,972.37*	
		For Class 56 Rating, Add	*10,551.48*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,776.61	790.12
		For Class 52 Rating, Deduct	*-4,023.74*	
		For Class 54 Rating, Add	*5,501.28*	
		For Class 55 Rating, Add	*8,185.95*	
		For Class 56 Rating, Add	*10,834.04*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,736.79	791.91
		For Class 52 Rating, Deduct	*-4,129.06*	
		For Class 54 Rating, Add	*5,644.94*	
		For Class 55 Rating, Add	*8,399.53*	
		For Class 56 Rating, Add	*11,116.59*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,696.99	793.70
		For Class 52 Rating, Deduct	*-4,234.39*	
		For Class 54 Rating, Add	*5,788.59*	
		For Class 55 Rating, Add	*8,613.12*	
		For Class 56 Rating, Add	*11,399.14*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,657.18	795.49
		For Class 52 Rating, Deduct	*-4,339.71*	
		For Class 54 Rating, Add	*5,932.25*	
		For Class 55 Rating, Add	*8,826.70*	
		For Class 56 Rating, Add	*11,681.70*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,617.37	797.27
		For Class 52 Rating, Deduct	*-4,445.03*	
		For Class 54 Rating, Add	*6,075.90*	
		For Class 55 Rating, Add	*9,040.28*	
		For Class 56 Rating, Add	*11,964.25*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,196.50	933.14
		For Class 52 Rating, Deduct	*-1,076.09*	
		For Class 54 Rating, Add	*1,484.37*	
		For Class 55 Rating, Add	*2,215.47*	
		For Class 56 Rating, Add	*2,936.78*	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,484.24	934.93
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,677.15*	
		For Class 55 Rating, Add	*2,502.09*	
		For Class 56 Rating, Add	*3,315.96*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,771.99	936.70
		For Class 52 Rating, Deduct	*-1,358.80*	
		For Class 54 Rating, Add	*1,869.94*	
		For Class 55 Rating, Add	*2,788.72*	
		For Class 56 Rating, Add	*3,695.15*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,059.74	938.50
		For Class 52 Rating, Deduct	*-1,500.15*	
		For Class 54 Rating, Add	*2,062.73*	
		For Class 55 Rating, Add	*3,075.35*	
		For Class 56 Rating, Add	*4,074.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,347.48	940.28
		For Class 52 Rating, Deduct	*-1,641.51*	
		For Class 54 Rating, Add	*2,255.52*	
		For Class 55 Rating, Add	*3,361.98*	
		For Class 56 Rating, Add	*4,453.51*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,635.22	942.07
		For Class 52 Rating, Deduct	*-1,782.86*	
		For Class 54 Rating, Add	*2,448.30*	
		For Class 55 Rating, Add	*3,648.61*	
		For Class 56 Rating, Add	*4,832.70*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,922.97	943.86
		For Class 52 Rating, Deduct	*-1,924.22*	
		For Class 54 Rating, Add	*2,641.09*	
		For Class 55 Rating, Add	*3,935.23*	
		For Class 56 Rating, Add	*5,211.88*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,210.72	945.65
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,833.88*	
		For Class 55 Rating, Add	*4,221.86*	
		For Class 56 Rating, Add	*5,591.07*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,498.46	947.44
		For Class 52 Rating, Deduct	*-2,206.92*	
		For Class 54 Rating, Add	*3,026.67*	
		For Class 55 Rating, Add	*4,508.49*	
		For Class 56 Rating, Add	*5,970.25*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,786.20	949.23
		For Class 52 Rating, Deduct	*-2,348.28*	
		For Class 54 Rating, Add	*3,219.46*	
		For Class 55 Rating, Add	*4,795.12*	
		For Class 56 Rating, Add	*6,349.43*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,073.96	951.01
		For Class 52 Rating, Deduct	*-2,489.63*	
		For Class 54 Rating, Add	*3,412.25*	
		For Class 55 Rating, Add	*5,081.75*	
		For Class 56 Rating, Add	*6,728.62*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,361.70	952.80
		For Class 52 Rating, Deduct	*-2,630.99*	
		For Class 54 Rating, Add	*3,605.03*	
		For Class 55 Rating, Add	*5,368.37*	
		For Class 56 Rating, Add	*7,107.80*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,649.45	954.58
		For Class 52 Rating, Deduct	*-2,772.34*	
		For Class 54 Rating, Add	*3,797.82*	
		For Class 55 Rating, Add	*5,655.00*	
		For Class 56 Rating, Add	*7,486.98*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,937.19	956.37
		For Class 52 Rating, Deduct	*-2,913.70*	
		For Class 54 Rating, Add	*3,990.61*	
		For Class 55 Rating, Add	*5,941.63*	
		For Class 56 Rating, Add	*7,866.17*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,224.93	958.16
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,183.40*	
		For Class 55 Rating, Add	*6,228.26*	
		For Class 56 Rating, Add	*8,245.35*	
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,512.68	959.95
		For Class 52 Rating, Deduct	*-3,196.40*	
		For Class 54 Rating, Add	*4,376.19*	
		For Class 55 Rating, Add	*6,514.89*	
		For Class 56 Rating, Add	*8,624.53*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,800.42	961.74
		For Class 52 Rating, Deduct	*-3,337.76*	
		For Class 54 Rating, Add	*4,568.97*	
		For Class 55 Rating, Add	*6,801.52*	
		For Class 56 Rating, Add	*9,003.72*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,088.16	963.52
		For Class 52 Rating, Deduct	*-3,479.11*	
		For Class 54 Rating, Add	*4,761.76*	
		For Class 55 Rating, Add	*7,088.14*	
		For Class 56 Rating, Add	*9,382.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,375.92	965.32
		For Class 52 Rating, Deduct	*-3,620.47*	
		For Class 54 Rating, Add	*4,954.55*	
		For Class 55 Rating, Add	*7,374.77*	
		For Class 56 Rating, Add	*9,762.08*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,663.67	967.10
		For Class 52 Rating, Deduct	*-3,761.82*	
		For Class 54 Rating, Add	*5,147.34*	
		For Class 55 Rating, Add	*7,661.40*	
		For Class 56 Rating, Add	*10,141.27*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,951.40	968.89
		For Class 52 Rating, Deduct	*-3,903.17*	
		For Class 54 Rating, Add	*5,340.12*	
		For Class 55 Rating, Add	*7,948.03*	
		For Class 56 Rating, Add	*10,520.45*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,239.15	970.67
		For Class 52 Rating, Deduct	*-4,044.53*	
		For Class 54 Rating, Add	*5,532.91*	
		For Class 55 Rating, Add	*8,234.66*	
		For Class 56 Rating, Add	*10,899.63*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,526.90	972.47
		For Class 52 Rating, Deduct	*-4,185.88*	
		For Class 54 Rating, Add	*5,725.70*	
		For Class 55 Rating, Add	*8,521.29*	
		For Class 56 Rating, Add	*11,278.82*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,814.63	974.25
		For Class 52 Rating, Deduct	*-4,327.24*	
		For Class 54 Rating, Add	*5,918.49*	
		For Class 55 Rating, Add	*8,807.91*	
		For Class 56 Rating, Add	*11,658.00*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,102.38	976.04
		For Class 52 Rating, Deduct	*-4,468.59*	
		For Class 54 Rating, Add	*6,111.28*	
		For Class 55 Rating, Add	*9,094.54*	
		For Class 56 Rating, Add	*12,037.18*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,390.14	977.83
		For Class 52 Rating, Deduct	*-4,609.94*	
		For Class 54 Rating, Add	*6,304.07*	
		For Class 55 Rating, Add	*9,381.17*	
		For Class 56 Rating, Add	*12,416.37*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,677.88	979.62
		For Class 52 Rating, Deduct	*-4,751.30*	
		For Class 54 Rating, Add	*6,496.85*	
		For Class 55 Rating, Add	*9,667.80*	
		For Class 56 Rating, Add	*12,795.55*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,965.62	981.40
		For Class 52 Rating, Deduct	*-4,892.65*	
		For Class 54 Rating, Add	*6,689.64*	
		For Class 55 Rating, Add	*9,954.43*	
		For Class 56 Rating, Add	*13,174.73*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,253.37	983.18
		For Class 52 Rating, Deduct	*-5,034.01*	
		For Class 54 Rating, Add	*6,882.43*	
		For Class 55 Rating, Add	*10,241.06*	
		For Class 56 Rating, Add	*13,553.92*	
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,541.11	984.98
		For Class 52 Rating, Deduct	*-5,175.36*	
		For Class 54 Rating, Add	*7,075.22*	
		For Class 55 Rating, Add	*10,527.68*	
		For Class 56 Rating, Add	*13,933.10*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,828.86	986.76
		For Class 52 Rating, Deduct	*-5,316.71*	
		For Class 54 Rating, Add	*7,268.01*	
		For Class 55 Rating, Add	*10,814.31*	
		For Class 56 Rating, Add	*14,312.28*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,116.60	988.55
		For Class 52 Rating, Deduct	*-5,458.07*	
		For Class 54 Rating, Add	*7,460.79*	
		For Class 55 Rating, Add	*11,100.94*	
		For Class 56 Rating, Add	*14,691.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,404.35	990.34
		For Class 52 Rating, Deduct	*-5,599.42*	
		For Class 54 Rating, Add	*7,653.58*	
		For Class 55 Rating, Add	*11,387.57*	
		For Class 56 Rating, Add	*15,070.65*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,692.09	992.13
		For Class 52 Rating, Deduct	*-5,740.78*	
		For Class 54 Rating, Add	*7,846.37*	
		For Class 55 Rating, Add	*11,674.20*	
		For Class 56 Rating, Add	*15,449.83*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,979.84	993.91
		For Class 52 Rating, Deduct	*-5,882.13*	
		For Class 54 Rating, Add	*8,039.16*	
		For Class 55 Rating, Add	*11,960.82*	
		For Class 56 Rating, Add	*15,829.02*	

40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,897.12	1,176.25
		For Class 52 Rating, Deduct	*-1,442.64*	
		For Class 54 Rating, Add	*1,988.63*	
		For Class 55 Rating, Add	*2,967.40*	
		For Class 56 Rating, Add	*3,933.06*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,795.90	1,178.04
		For Class 52 Rating, Deduct	*-1,651.21*	
		For Class 54 Rating, Add	*2,273.07*	
		For Class 55 Rating, Add	*3,390.29*	
		For Class 56 Rating, Add	*4,492.50*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,678.92	1,179.82
		For Class 52 Rating, Deduct	*-1,858.04*	
		For Class 54 Rating, Add	*2,555.15*	
		For Class 55 Rating, Add	*3,809.66*	
		For Class 56 Rating, Add	*5,047.29*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,580.84	1,181.62
		For Class 52 Rating, Deduct	*-2,066.96*	
		For Class 54 Rating, Add	*2,840.06*	
		For Class 55 Rating, Add	*4,233.25*	
		For Class 56 Rating, Add	*5,607.65*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,470.15	1,183.40
		For Class 52 Rating, Deduct	*-2,274.48*	
		For Class 54 Rating, Add	*3,123.08*	
		For Class 55 Rating, Add	*4,654.03*	
		For Class 56 Rating, Add	*6,164.30*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,378.37	1,185.19
		For Class 52 Rating, Deduct	*-2,484.09*	
		For Class 54 Rating, Add	*3,408.94*	
		For Class 55 Rating, Add	*5,079.02*	
		For Class 56 Rating, Add	*6,726.52*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,267.69	1,186.97
		For Class 52 Rating, Deduct	*-2,691.62*	
		For Class 54 Rating, Add	*3,691.97*	
		For Class 55 Rating, Add	*5,499.80*	
		For Class 56 Rating, Add	*7,283.17*	
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,179.06	1,188.77
		For Class 52 Rating, Deduct	*-2,901.57*	
		For Class 54 Rating, Add	*3,978.30*	
		For Class 55 Rating, Add	*5,925.50*	
		For Class 56 Rating, Add	*7,846.32*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,071.52	1,190.55
		For Class 52 Rating, Deduct	*-3,109.44*	
		For Class 54 Rating, Add	*4,261.80*	
		For Class 55 Rating, Add	*6,346.98*	
		For Class 56 Rating, Add	*8,403.90*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,986.05	1,192.34
		For Class 52 Rating, Deduct	*-3,319.74*	
		For Class 54 Rating, Add	*4,548.60*	
		For Class 55 Rating, Add	*6,773.38*	
		For Class 56 Rating, Add	*8,967.98*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,878.52	1,194.13
		For Class 52 Rating, Deduct	*-3,527.62*	
		For Class 54 Rating, Add	*4,832.10*	
		For Class 55 Rating, Add	*7,194.86*	
		For Class 56 Rating, Add	*9,525.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,793.02	1,195.92
		For Class 52 Rating, Deduct	*-3,737.91*	
		For Class 54 Rating, Add	*5,118.90*	
		For Class 55 Rating, Add	*7,621.26*	
		For Class 56 Rating, Add	*10,089.64*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,688.64	1,197.70
		For Class 52 Rating, Deduct	*-3,946.13*	
		For Class 54 Rating, Add	*5,402.87*	
		For Class 55 Rating, Add	*8,043.44*	
		For Class 56 Rating, Add	*10,648.14*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,587.41	1,199.48
		For Class 52 Rating, Deduct	*-4,154.70*	
		For Class 54 Rating, Add	*5,687.31*	
		For Class 55 Rating, Add	*8,466.33*	
		For Class 56 Rating, Add	*11,207.58*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,498.78	1,201.28
		For Class 52 Rating, Deduct	*-4,364.65*	
		For Class 54 Rating, Add	*5,973.64*	
		For Class 55 Rating, Add	*8,892.02*	
		For Class 56 Rating, Add	*11,770.73*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,394.39	1,203.06
		For Class 52 Rating, Deduct	*-4,572.87*	
		For Class 54 Rating, Add	*6,257.61*	
		For Class 55 Rating, Add	*9,314.21*	
		For Class 56 Rating, Add	*12,329.23*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,312.06	1,204.85
		For Class 52 Rating, Deduct	*-4,783.52*	
		For Class 54 Rating, Add	*6,544.89*	
		For Class 55 Rating, Add	*9,741.31*	
		For Class 56 Rating, Add	*12,894.25*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,210.84	1,206.64
		For Class 52 Rating, Deduct	*-4,992.08*	
		For Class 54 Rating, Add	*6,829.33*	
		For Class 55 Rating, Add	*10,164.20*	
		For Class 56 Rating, Add	*13,453.68*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,125.35	1,208.43
		For Class 52 Rating, Deduct	*-5,202.38*	
		For Class 54 Rating, Add	*7,116.13*	
		For Class 55 Rating, Add	*10,590.59*	
		For Class 56 Rating, Add	*14,017.76*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,024.11	1,210.21
		For Class 52 Rating, Deduct	*-5,410.95*	
		For Class 54 Rating, Add	*7,400.57*	
		For Class 55 Rating, Add	*11,013.48*	
		For Class 56 Rating, Add	*14,577.19*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,941.78	1,212.01
		For Class 52 Rating, Deduct	*-5,621.60*	
		For Class 54 Rating, Add	*7,687.85*	
		For Class 55 Rating, Add	*11,440.58*	
		For Class 56 Rating, Add	*15,142.21*	
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,840.55	1,213.79
		For Class 52 Rating, Deduct	*-5,830.16*	
		For Class 54 Rating, Add	*7,972.29*	
		For Class 55 Rating, Add	*11,863.47*	
		For Class 56 Rating, Add	*15,701.64*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,758.21	1,215.59
		For Class 52 Rating, Deduct	*-6,040.81*	
		For Class 54 Rating, Add	*8,259.57*	
		For Class 55 Rating, Add	*12,290.57*	
		For Class 56 Rating, Add	*16,266.65*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,653.83	1,217.36
		For Class 52 Rating, Deduct	*-6,249.03*	
		For Class 54 Rating, Add	*8,543.53*	
		For Class 55 Rating, Add	*12,712.75*	
		For Class 56 Rating, Add	*16,825.16*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,574.64	1,219.16
		For Class 52 Rating, Deduct	*-6,460.02*	
		For Class 54 Rating, Add	*8,831.28*	
		For Class 55 Rating, Add	*13,140.55*	
		For Class 56 Rating, Add	*17,391.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,473.42	1,220.94
		For Class 52 Rating, Deduct	*-6,668.59*	
		For Class 54 Rating, Add	*9,115.72*	
		For Class 55 Rating, Add	*13,563.44*	
		For Class 56 Rating, Add	*17,950.53*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,387.93	1,222.72
		For Class 52 Rating, Deduct	*-6,878.88*	
		For Class 54 Rating, Add	*9,402.53*	
		For Class 55 Rating, Add	*13,989.84*	
		For Class 56 Rating, Add	*18,514.61*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,289.85	1,224.52
		For Class 52 Rating, Deduct	*-7,087.80*	
		For Class 54 Rating, Add	*9,687.44*	
		For Class 55 Rating, Add	*14,413.43*	
		For Class 56 Rating, Add	*19,074.98*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,816.96	1,226.30
		For Class 52 Rating, Deduct	*-7,255.48*	
		For Class 54 Rating, Add	*9,916.13*	
		For Class 55 Rating, Add	*14,753.43*	
		For Class 56 Rating, Add	*19,524.77*	
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,106.28	1,228.10
		For Class 52 Rating, Deduct	*-7,507.01*	
		For Class 54 Rating, Add	*10,259.16*	
		For Class 55 Rating, Add	*15,263.41*	
		For Class 56 Rating, Add	*20,199.42*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,001.89	1,229.87
		For Class 52 Rating, Deduct	*-7,715.23*	
		For Class 54 Rating, Add	*10,543.13*	
		For Class 55 Rating, Add	*15,685.59*	
		For Class 56 Rating, Add	*20,757.92*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,919.56	1,231.67
		For Class 52 Rating, Deduct	*-7,925.87*	
		For Class 54 Rating, Add	*10,830.40*	
		For Class 55 Rating, Add	*16,112.70*	
		For Class 56 Rating, Add	*21,322.93*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,818.33	1,233.45
		For Class 52 Rating, Deduct	*-8,134.44*	
		For Class 54 Rating, Add	*11,114.85*	
		For Class 55 Rating, Add	*16,535.58*	
		For Class 56 Rating, Add	*21,882.37*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,739.14	1,235.25
		For Class 52 Rating, Deduct	*-8,345.43*	
		For Class 54 Rating, Add	*11,402.59*	
		For Class 55 Rating, Add	*16,963.38*	
		For Class 56 Rating, Add	*22,448.31*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,634.76	1,237.03
		For Class 52 Rating, Deduct	*-8,553.65*	
		For Class 54 Rating, Add	*11,686.56*	
		For Class 55 Rating, Add	*17,385.57*	
		For Class 56 Rating, Add	*23,006.81*	

40 05 19 00-3586 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,295.02	1,478.36
		For Class 52 Rating, Deduct	*-1,876.06*	
		For Class 54 Rating, Add	*2,585.14*	
		For Class 55 Rating, Add	*3,857.04*	
		For Class 56 Rating, Add	*5,111.89*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,025.29	1,480.14
		For Class 52 Rating, Deduct	*-2,176.09*	
		For Class 54 Rating, Add	*2,994.31*	
		For Class 55 Rating, Add	*4,465.35*	
		For Class 56 Rating, Add	*5,916.61*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,765.00	1,481.94
		For Class 52 Rating, Deduct	*-2,477.16*	
		For Class 54 Rating, Add	*3,404.89*	
		For Class 55 Rating, Add	*5,075.77*	
		For Class 56 Rating, Add	*6,724.13*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,533.05	1,483.72
		For Class 52 Rating, Deduct	*-2,781.35*	
		For Class 54 Rating, Add	*3,819.73*	
		For Class 55 Rating, Add	*5,692.51*	
		For Class 56 Rating, Add	*7,540.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,294.81	1,485.50
		For Class 52 Rating, Deduct	*-3,084.84*	
		For Class 54 Rating, Add	*4,233.62*	
		For Class 55 Rating, Add	*6,307.84*	
		For Class 56 Rating, Add	*8,354.02*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,059.72	1,487.30
		For Class 52 Rating, Deduct	*-3,388.69*	
		For Class 54 Rating, Add	*4,647.98*	
		For Class 55 Rating, Add	*6,923.88*	
		For Class 56 Rating, Add	*9,168.97*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,843.51	1,489.08
		For Class 52 Rating, Deduct	*-3,694.61*	
		For Class 54 Rating, Add	*5,065.17*	
		For Class 55 Rating, Add	*7,544.12*	
		For Class 56 Rating, Add	*9,989.48*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,621.02	1,490.87
		For Class 52 Rating, Deduct	*-3,999.83*	
		For Class 54 Rating, Add	*5,481.43*	
		For Class 55 Rating, Add	*8,162.97*	
		For Class 56 Rating, Add	*10,808.15*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,392.24	1,492.65
		For Class 52 Rating, Deduct	*-4,304.37*	
		For Class 54 Rating, Add	*5,896.73*	
		For Class 55 Rating, Add	*8,780.41*	
		For Class 56 Rating, Add	*11,624.95*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,188.65	1,494.45
		For Class 52 Rating, Deduct	*-4,611.68*	
		For Class 54 Rating, Add	*6,315.82*	
		For Class 55 Rating, Add	*9,403.47*	
		For Class 56 Rating, Add	*12,449.19*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,972.44	1,496.23
		For Class 52 Rating, Deduct	*-4,917.60*	
		For Class 54 Rating, Add	*6,733.02*	
		For Class 55 Rating, Add	*10,023.72*	
		For Class 56 Rating, Add	*13,269.71*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,772.00	1,498.02
		For Class 52 Rating, Deduct	*-5,225.25*	
		For Class 54 Rating, Add	*7,152.58*	
		For Class 55 Rating, Add	*10,647.48*	
		For Class 56 Rating, Add	*14,094.88*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,552.65	1,499.81
		For Class 52 Rating, Deduct	*-5,530.82*	
		For Class 54 Rating, Add	*7,569.30*	
		For Class 55 Rating, Add	*11,267.03*	
		For Class 56 Rating, Add	*14,914.47*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,339.61	1,501.60
		For Class 52 Rating, Deduct	*-5,837.09*	
		For Class 54 Rating, Add	*7,986.97*	
		For Class 55 Rating, Add	*11,887.98*	
		For Class 56 Rating, Add	*15,735.92*	
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,142.31	1,503.39
		For Class 52 Rating, Deduct	*-6,145.09*	
		For Class 54 Rating, Add	*8,407.00*	
		For Class 55 Rating, Add	*12,512.44*	
		For Class 56 Rating, Add	*16,562.02*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,929.26	1,505.18
		For Class 52 Rating, Deduct	*-6,451.36*	
		For Class 54 Rating, Add	*8,824.67*	
		For Class 55 Rating, Add	*13,133.39*	
		For Class 56 Rating, Add	*17,383.47*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,716.23	1,506.96
		For Class 52 Rating, Deduct	*-6,757.62*	
		For Class 54 Rating, Add	*9,242.34*	
		For Class 55 Rating, Add	*13,754.35*	
		For Class 56 Rating, Add	*18,204.92*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,522.07	1,508.76
		For Class 52 Rating, Deduct	*-7,065.97*	
		For Class 54 Rating, Add	*9,662.85*	
		For Class 55 Rating, Add	*14,379.51*	
		For Class 56 Rating, Add	*19,031.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,312.18	1,510.53
		For Class 52 Rating, Deduct	*-7,372.58*	
		For Class 54 Rating, Add	*10,080.99*	
		For Class 55 Rating, Add	*15,001.17*	
		For Class 56 Rating, Add	*19,854.32*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,099.13	1,512.32
		For Class 52 Rating, Deduct	*-7,678.85*	
		For Class 54 Rating, Add	*10,498.66*	
		For Class 55 Rating, Add	*15,622.12*	
		For Class 56 Rating, Add	*20,675.77*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,911.29	1,514.11
		For Class 52 Rating, Deduct	*-7,987.89*	
		For Class 54 Rating, Add	*10,920.11*	
		For Class 55 Rating, Add	*16,248.69*	
		For Class 56 Rating, Add	*21,504.66*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,704.53	1,515.90
		For Class 52 Rating, Deduct	*-8,294.85*	
		For Class 54 Rating, Add	*11,338.72*	
		For Class 55 Rating, Add	*16,871.05*	
		For Class 56 Rating, Add	*22,327.96*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,494.64	1,517.69
		For Class 52 Rating, Deduct	*-8,601.46*	
		For Class 54 Rating, Add	*11,756.86*	
		For Class 55 Rating, Add	*17,492.70*	
		For Class 56 Rating, Add	*23,150.34*	
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,303.64	1,519.47
		For Class 52 Rating, Deduct	*-8,910.16*	
		For Class 54 Rating, Add	*12,177.84*	
		For Class 55 Rating, Add	*18,118.57*	
		For Class 56 Rating, Add	*23,978.30*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,096.91	1,521.27
		For Class 52 Rating, Deduct	*-9,217.12*	
		For Class 54 Rating, Add	*12,596.45*	
		For Class 55 Rating, Add	*18,740.93*	
		For Class 56 Rating, Add	*24,801.61*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,887.00	1,523.04
		For Class 52 Rating, Deduct	*-9,523.73*	
		For Class 54 Rating, Add	*13,014.59*	
		For Class 55 Rating, Add	*19,362.58*	
		For Class 56 Rating, Add	*25,623.98*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,699.16	1,524.84
		For Class 52 Rating, Deduct	*-9,832.77*	
		For Class 54 Rating, Add	*13,436.04*	
		For Class 55 Rating, Add	*19,989.15*	
		For Class 56 Rating, Add	*26,452.87*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,492.41	1,526.62
		For Class 52 Rating, Deduct	*-10,139.73*	
		For Class 54 Rating, Add	*13,854.66*	
		For Class 55 Rating, Add	*20,611.51*	
		For Class 56 Rating, Add	*27,276.18*	
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,954.95	1,528.42
		For Class 52 Rating, Deduct	*-10,410.31*	
		For Class 54 Rating, Add	*14,223.67*	
		For Class 55 Rating, Add	*21,160.12*	
		For Class 56 Rating, Add	*28,001.93*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,100.96	1,530.20
		For Class 52 Rating, Deduct	*-10,756.07*	
		For Class 54 Rating, Add	*14,695.19*	
		For Class 55 Rating, Add	*21,861.14*	
		For Class 56 Rating, Add	*28,929.30*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	102,891.07	1,531.98
		For Class 52 Rating, Deduct	*-11,062.69*	
		For Class 54 Rating, Add	*15,113.34*	
		For Class 55 Rating, Add	*22,482.79*	
		For Class 56 Rating, Add	*29,751.68*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,709.52	1,533.78
		For Class 52 Rating, Deduct	*-11,372.42*	
		For Class 54 Rating, Add	*15,535.73*	
		For Class 55 Rating, Add	*23,110.77*	
		For Class 56 Rating, Add	*30,582.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,499.63	1,535.55
		For Class 52 Rating, Deduct	*-11,679.03*	
		For Class 54 Rating, Add	*15,953.87*	
		For Class 55 Rating, Add	*23,732.42*	
		For Class 56 Rating, Add	*31,404.80*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,289.73	1,537.35
		For Class 52 Rating, Deduct	*-11,985.65*	
		For Class 54 Rating, Add	*16,372.01*	
		For Class 55 Rating, Add	*24,354.08*	
		For Class 56 Rating, Add	*32,227.18*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	114,108.18	1,539.13
		For Class 52 Rating, Deduct	*-12,295.38*	
		For Class 54 Rating, Add	*16,794.41*	
		For Class 55 Rating, Add	*24,982.05*	
		For Class 56 Rating, Add	*33,057.92*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	730.30	86.24
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,085.85	110.29
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,583.35	124.92
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,282.36	158.38
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,866.12	175.62
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,540.78	190.79
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,347.11	235.21
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,466.46	282.25
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,670.76	355.43
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,055.88	402.47
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,700.81	533.15
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,476.78	603.71
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	40,420.25	689.96
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	53,540.37	846.76

40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	691.67	86.24
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,022.03	110.29
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,425.47	124.92
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,057.30	158.38
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,575.55	175.62
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,015.06	190.79
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,705.50	235.21
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,734.15	282.25
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,953.57	355.43
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,884.16	402.47
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,316.18	533.15
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	22,962.82	603.71
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	34,948.12	689.96
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	47,347.69	846.76

40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	689.99	86.24
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,000.19	110.29
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,412.03	124.92
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,005.23	158.38
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,691.44	175.62
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,369.46	190.79
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,786.12	235.21
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,831.57	282.25
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,371.79	355.43
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,849.93	402.47
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,487.50	533.15
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,354.17	603.71
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	35,729.13	689.96
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	48,368.89	846.76

40 05 19 00-3667 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	755.49	86.24
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,122.80	110.29
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,462.42	124.92
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,184.95	158.38
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,025.68	175.62
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,455.12	190.79
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,147.24	235.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,831.57	282.25
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,371.79	355.43
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,192.57	402.47
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,655.46	533.15
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	23,525.49	603.71
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	35,908.85	689.96
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	48,731.68	846.76

40 05 19 00-3682 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,065.95	98.27
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,396.16	105.58
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,513.47	117.61
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,118.54	122.31
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,148.52	134.33
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,309.08	141.65
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,533.17	143.21
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,838.19	150.54
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,962.62	167.26
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,965.84	150.54
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,222.14	157.85
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,489.35	174.58
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,798.42	183.46
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,414.36	172.75
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,621.95	180.07
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,036.97	196.79
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,347.32	205.42
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,600.66	212.99
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,968.99	196.27
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,618.31	203.59
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,689.01	220.32
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,898.60	228.94
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,252.71	236.52
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,625.65	258.74
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,975.08	232.86
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,251.54	240.18
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,330.00	256.90
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,521.10	265.53
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,122.12	273.10
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,913.91	295.32
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,263.65	318.85
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,947.30	256.38
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,218.73	263.70
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,667.33	280.43
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,996.15	289.05
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,639.17	296.63
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,200.22	318.85
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,339.99	342.36
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,806.22	338.58
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,887.69	354.39
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,577.73	361.96
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,265.79	384.18
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,086.85	407.70
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,634.57	444.29
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,128.11	467.82
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,854.95	479.57
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,805.33	503.09
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,865.06	568.43
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,113.78	522.69
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,856.53	546.22
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,760.69	611.55
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,554.96	646.83
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	43,561.02	631.15
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	47,341.70	696.49
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,680.06	731.77
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	60,526.11	774.90

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	873.06	86.24
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,398.26	110.29
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,114.10	124.92
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,967.64	158.38
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,196.36	175.62
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,934.84	190.79
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,297.13	235.21
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,713.76	282.25
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,320.53	355.43
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,165.22	402.47
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,425.06	533.15
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,210.63	603.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,187.87	689.96
40 05 19 00-3753		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	1,911.28	98.27
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,286.91	105.58
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,083.05	117.61
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,463.44	122.31
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,828.47	134.33
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,957.69	141.65
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,151.06	143.21
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,212.64	150.54
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,237.98	167.26
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,368.83	157.85
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,959.59	174.58
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,680.69	183.46
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,466.23	180.07
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,346.06	196.79
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,296.01	205.42
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,176.15	212.99
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,086.38	228.94
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,181.42	236.52
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,298.67	258.74
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,384.29	273.10
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	23,823.92	295.32
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,265.54	318.85
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,650.94	296.63
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,412.96	318.85
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,176.95	342.36
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,065.59	338.58
40 05 19 00-3780		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-2073)*		
40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	920.09	86.24
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,305.88	110.29
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,176.25	124.92
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,920.61	158.38
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,939.39	175.62
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,687.94	190.79
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,710.94	235.21
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,082.24	282.25
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,159.93	355.43
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,954.87	402.47
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,011.71	533.15
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,064.17	603.71
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	53,297.75	689.96
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	59,733.06	846.76
40 05 19 00-3795		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-2073)*		
40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,098.38	138.51
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,430.54	170.40
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,122.39	190.26
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,023.32	247.23
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,103.78	269.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,570.71	290.10
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,969.41	365.89
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,449.39	418.16
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,369.20	527.93
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	13,999.04	582.80
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,160.23	804.95
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	32,957.49	922.56
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	71,357.63	1,066.30

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2073)*

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,492.44	154.71
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,977.56	157.85
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,923.67	177.72
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,669.71	174.58
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,577.19	194.44
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,681.85	206.99
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,447.39	183.46
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,383.42	203.32
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,526.72	215.87
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,059.67	256.12
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,008.75	190.79
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,864.16	210.65
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,030.96	223.19
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,189.37	263.43
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,455.57	277.29
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,061.91	212.99
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,045.62	232.86
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,153.64	245.40
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,232.46	285.65
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,534.58	299.51
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,657.48	312.31
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,638.89	256.38
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,674.06	268.93
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,585.55	309.18
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,191.67	323.02
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,697.53	335.83
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,072.63	389.41
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,119.67	292.97
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,242.81	305.51
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,463.35	345.76
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,748.03	359.62
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,819.50	372.42
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,427.44	426.00
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,575.13	454.74
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,404.92	316.49
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,769.93	329.04
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,024.07	369.29
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,136.80	383.13
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,366.15	395.94
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,586.72	449.51
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,068.43	478.27
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,491.00	511.07
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,867.68	381.83
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,942.12	394.37
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,342.39	434.62
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,363.37	448.48
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,382.78	461.28
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,463.96	514.86
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,066.82	543.60
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,995.65	616.78
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	25,695.66	648.14
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,103.65	546.48
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,343.77	556.41
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,442.36	584.90
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,629.03	596.14
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,701.57	606.33
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,869.85	644.22
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,968.23	670.35
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,274.78	725.24
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,826.95	752.68
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	37,389.89	863.76
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,495.01	526.88
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,576.56	539.68
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,775.31	593.26
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,879.33	622.01
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,230.38	695.19
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,759.95	726.54
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,580.69	883.36
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	68,558.12	965.68
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,831.43	611.81
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,850.84	624.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,110.05	678.19
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,153.61	706.94
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,504.66	780.12
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,975.44	811.49
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	58,054.51	968.29

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,195.80	138.51
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,714.39	170.40
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,602.76	190.26
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	3,933.66	247.23
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,366.84	269.71
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,062.83	290.10
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,420.58	365.89
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	8,992.94	418.16
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	11,843.25	527.93
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,227.23	582.80
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	28,696.20	804.95
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	41,086.76	922.56

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	952.25	138.51
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,418.78	170.40
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,161.02	190.26
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,852.00	247.23
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,416.19	269.71
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	5,983.89	290.10

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,211.17	190.79
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,766.07	206.73
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,818.91	230.51
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,337.25	210.13
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,480.00	237.83
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,522.04	255.60
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,120.10	226.85
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,358.58	254.55
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,630.73	272.32
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,360.55	336.09
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,140.92	235.47
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,280.31	263.17
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,552.46	280.95
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,332.67	344.72
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,961.83	363.79
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,200.46	270.76
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,472.61	288.53
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,908.50	352.29
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,380.82	371.37
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,650.01	389.41
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,236.84	292.97
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,556.01	310.75
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,993.59	374.51
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,512.94	393.59
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,427.50	411.62
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,256.81	496.56
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,546.25	316.49
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,865.43	334.26
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,205.59	398.04
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,724.94	417.11
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,825.53	435.14
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,395.96	520.08
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,738.00	554.06
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,474.44	353.08
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,817.13	370.85
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,123.70	434.62
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,678.32	453.70
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,813.13	471.73
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,730.61	556.67
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,096.17	590.64
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,999.83	700.41
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,284.78	376.60
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,525.01	394.37
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,987.78	458.15
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,332.46	477.22
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,517.67	495.25
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,014.19	580.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,802.77	614.17
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,589.82	683.56
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,183.41	763.14
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,350.77	542.56
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,433.52	560.59
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,955.23	645.53
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,122.60	679.50
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,907.02	789.27
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,449.66	828.47
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,699.64	1,076.75
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,557.63	690.22
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,581.00	705.64
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,028.57	774.90
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,186.94	806.25
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,832.77	897.73
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,788.17	933.02
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,184.42	1,135.55
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,954.25	1,241.40
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,811.41	723.94
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,925.03	757.91
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,665.77	867.67
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,682.54	906.87
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,558.30	1,155.16
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	78,601.50	1,284.52
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,334.76	952.62
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,351.53	991.82
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	61,450.98	1,240.09

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	899.67	98.27
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,221.48	105.58
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,293.44	117.61
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,646.57	122.31
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,627.84	134.33
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,837.11	141.65
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,125.28	131.20
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,148.54	143.21
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,302.40	150.54
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,499.06	167.26
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,624.88	150.54
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,832.47	157.85
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,025.78	174.58
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,925.03	183.46
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,123.79	172.75
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,963.55	180.07
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,198.85	196.79
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,594.86	205.42
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,061.51	212.99
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,785.23	203.59
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,055.80	220.32
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,006.73	228.94
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,518.73	236.52
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,449.93	258.74
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,620.01	240.18
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,907.37	256.90
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,776.00	265.53
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,407.25	273.10
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,049.55	295.32
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,057.69	318.85
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,756.98	280.43
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,315.91	289.05
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,468.49	296.63
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,628.76	318.85
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,813.23	342.36
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,227.39	338.58
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,257.63	384.18
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,634.23	407.70
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,366.54	444.29
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,527.52	467.82
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,067.71	419.47
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,281.39	442.98
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,280.76	479.57
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,184.75	503.09
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,655.35	568.43
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,348.08	546.22
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,334.30	611.55
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	31,814.16	646.83
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	33,663.14	631.15
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	35,633.21	696.49
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	39,595.10	731.77
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	44,111.37	774.90

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4034		Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*		
40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	968.53	98.27
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,300.42	105.58
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,414.38	117.61
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,646.57	122.31
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,711.82	134.33
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,917.73	141.65
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,125.28	131.20
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,242.60	143.21
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,399.81	150.54
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,668.69	167.26
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,624.88	150.54
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,782.08	157.85
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,002.27	174.58
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,358.37	183.46
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,123.79	172.75
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,328.02	180.07
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,600.27	196.79
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,905.58	205.42
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,061.51	212.99
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,785.23	203.59
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,055.80	220.32
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,359.44	228.94
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,518.73	236.52
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,844.64	258.74
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,882.02	240.18
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,092.13	256.90
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,289.96	265.53
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,407.25	273.10
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,807.05	295.32
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,052.65	318.85
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,963.43	263.70
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,877.91	280.43
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,996.79	289.05
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,112.41	296.63
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,513.91	318.85
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,813.23	342.36
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,227.39	338.58
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,007.06	361.96
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,007.77	384.18
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,689.65	407.70
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,366.54	444.29
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,527.52	467.82
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,086.83	419.47
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,703.61	442.98
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,603.88	479.57
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,125.96	503.09
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,952.64	568.43
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,348.08	546.22
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,334.30	611.55
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	31,814.16	646.83
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	35,633.21	696.49
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	39,595.10	731.77
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	44,111.37	774.90
40 05 19 00-4088		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*		
40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	459.62	33.98
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	700.84	50.18
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	943.53	59.59
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,390.22	69.52
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,853.53	81.54
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,575.70	91.47
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,117.85	104.53
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,190.64	146.35
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,640.14	182.94
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,316.36	222.15
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,120.67	258.74
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	22,938.26	284.87
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	32,988.88	313.61
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,046.30	352.82
40 05 19 00-4103		Ductile Iron Bolt Packs *(40 05 19)*		
		Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	45.55	
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
		For Zinc Plated, Add	*12.75*	
		For Hot Dip Galvanized, Add	*18.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	70.28	
		For Zinc Plated, Add	*19.68*	
		For Hot Dip Galvanized, Add	*28.11*	
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	171.43	
		For Zinc Plated, Add	*48.00*	
		For Hot Dip Galvanized, Add	*68.57*	
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	172.93	
		For Zinc Plated, Add	*48.42*	
		For Hot Dip Galvanized, Add	*69.17*	
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	193.75	
		For Zinc Plated, Add	*54.25*	
		For Hot Dip Galvanized, Add	*77.50*	
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	325.71	
		For Zinc Plated, Add	*91.20*	
		For Hot Dip Galvanized, Add	*130.28*	
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	473.18	
		For Zinc Plated, Add	*132.49*	
		For Hot Dip Galvanized, Add	*189.27*	
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	597.45	
		For Zinc Plated, Add	*167.29*	
		For Hot Dip Galvanized, Add	*238.98*	
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	854.84	
		For Zinc Plated, Add	*239.36*	
		For Hot Dip Galvanized, Add	*341.94*	
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	1,350.78	
		For Zinc Plated, Add	*378.22*	
		For Hot Dip Galvanized, Add	*540.31*	
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,926.91	
		For Zinc Plated, Add	*539.53*	
		For Hot Dip Galvanized, Add	*770.76*	
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,478.92	
		For Zinc Plated, Add	*694.10*	
		For Hot Dip Galvanized, Add	*991.57*	
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	3,029.78	
		For Zinc Plated, Add	*848.34*	
		For Hot Dip Galvanized, Add	*1,211.91*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.40
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.12
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.10
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.84
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.57

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.15
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.26
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.01
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	158.00
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.98
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.67	
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.79	
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.74	
40 05 19 00-4149		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*		
40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46	
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20	
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.69	
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.43	
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.67	
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36	
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.59	
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33	
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.58	
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80	
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.51	
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.48	
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.61	
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.07	
40 05 19 00-4164		Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*		
		Note: (Polychloroprene)		
40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21	
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69	
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16	
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65	
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.15	
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86	
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.76	
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.50	
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.49	
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.74	
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.96	
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.43	
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.03	
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.74	
40 05 19 00-4179		Full Face Flange FKM Gaskets *(40 05 19 00-4118)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	146.36	
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	217.91	
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	291.09	
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	351.26	
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	456.96	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	835.87	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	957.83	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	1,003.37	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,070.04	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,479.84	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,774.18	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,871.76	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,333.60	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,445.80	
40 05 19 00-4194		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	358.65	43.46
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	508.00	53.04
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	770.98	64.70
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,072.34	78.93
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,366.70	96.25
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,246.75	117.42
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,590.22	143.30
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,669.89	174.78
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,497.78	213.28
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,980.13	260.14
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,443.11	317.44
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	9,694.85	387.22
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,013.03	472.46
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	33,264.22	576.36

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assemblies *(40 05 23 23)*

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.99	6.18
		For Type 316, Add	*3.27*	
		For Work In Restricted Working Space, Add	*3.73*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.92	7.08
		For Type 316, Add	*3.43*	
		For Work In Restricted Working Space, Add	*4.42*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.56	7.99
		For Type 316, Add	*4.02*	
		For Work In Restricted Working Space, Add	*5.13*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.93	9.65
		For Type 316, Add	*5.07*	
		For Work In Restricted Working Space, Add	*5.53*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.10	9.93
		For Type 316, Add	*5.81*	
		For Work In Restricted Working Space, Add	*5.93*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.05	13.12
		For Type 316, Add	*7.08*	
		For Work In Restricted Working Space, Add	*7.15*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	76.34	16.18
		For Type 316, Add	*12.18*	
		For Work In Restricted Working Space, Add	*8.85*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	97.09	18.75
		For Type 316, Add	*15.86*	
		For Work In Restricted Working Space, Add	*10.83*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	133.63	18.75
		For Work In Restricted Working Space, Add	*13.74*	

40 05 23 23-0011 Stainless Steel Tubing And Fittings *(40 05 23 23)*

40 05 23 23-0012 Type 304 Tubing *(40 05 23 23-0011)*

40 05 23 23-0013 0.035" Wall *(40 05 23 23-0012)*

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	6.40	2.03
		For Work In Restricted Working Space, Add	*1.22*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	7.31	2.41
		For Work In Restricted Working Space, Add	*1.46*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.81	2.87
		For Work In Restricted Working Space, Add	*1.70*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	16.05	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	19.27	3.62
		For Work In Restricted Working Space, Add	*2.19*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	21.29	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	23.38	4.90
		For Work In Restricted Working Space, Add	*2.92*	

40 05 23 23-0021 0.049" Wall *(40 05 23 23-0012)*

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	11.81	2.41
		For Work In Restricted Working Space, Add	*1.46*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	12.99	2.87
		For Work In Restricted Working Space, Add	*1.70*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	15.84	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	20.09	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	22.70	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	25.25	5.65
		For Work In Restricted Working Space, Add	*3.40*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	29.27	6.41
		For Work In Restricted Working Space, Add	*3.87*	

40 05 23 23-0029 0.065" Wall *(40 05 23 23-0012)*

40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	13.78	2.87
		For Work In Restricted Working Space, Add	*1.70*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	15.90	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	19.51	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	22.81	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	26.98	5.65
		For Work In Restricted Working Space, Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	31.10	6.41
		For Work In Restricted Working Space, Add	*3.87*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	35.06	7.24
		For Work In Restricted Working Space, Add	*4.35*	

40 05 23 23-0037 Type 304 Tube Fittings *(40 05 23 23-0011)*

40 05 23 23-0038 90 Degree Elbows *(40 05 23 23-0037)*

40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	45.80	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	55.05	8.90
		For Work In Restricted Working Space, Add	*5.33*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	87.00	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	92.29	11.24
		For Work In Restricted Working Space, Add	*6.76*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	103.75	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	145.59	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	186.76	16.07
		For Work In Restricted Working Space, Add	*9.63*	

40 05 23 23-0046 Union Tees *(40 05 23 23-0037)*

40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	73.52	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	90.76	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	128.07	15.08
		For Work In Restricted Working Space, Add	*9.05*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	136.69	17.12
		For Work In Restricted Working Space, Add	*10.28*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	178.91	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	295.10	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	353.80	24.36
		For Work In Restricted Working Space, Add	*14.60*	

40 05 23 23-0054 Unions *(40 05 23 23-0037)*

40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	69.61	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	92.97	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	129.52	15.08
		For Work In Restricted Working Space, Add	*9.05*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	159.42	17.12
		For Work In Restricted Working Space, Add	*10.28*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	192.74	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	306.14	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	322.52	24.36
		For Work In Restricted Working Space, Add	*14.60*	

40 05 23 23-0062 Male Connectors *(40 05 23 23-0037)*

40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	31.79	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	41.27	8.90
		For Work In Restricted Working Space, Add	*5.33*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	55.31	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	62.42	11.24
		For Work In Restricted Working Space, Add	*6.76*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	77.20	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	122.30	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	125.68	16.07
		For Work In Restricted Working Space, Add	*9.63*	

40 05 23 23-0070 Type 304 Valves *(40 05 23 23-0011)*

40 05 23 23-0071 Gate Valves *(40 05 23 23-0070)*

40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	219.33	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	378.99	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	387.97	16.07
		For Work In Restricted Working Space, Add	*9.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	429.25	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	383.94	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*		
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	222.56	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	141.18	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	260.06	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	288.77	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	424.65	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*		
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	317.59	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	318.74	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	197.34	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	204.43	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	221.09	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0089		**Plug Valves** *(40 05 23 23-0070)*		
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	492.49	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	538.10	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	604.53	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	848.12	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,101.89	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0095		**Type 316 Tubing** *(40 05 23 23-0011)*		
40 05 23 23-0096		**0.035" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	6.76	2.03
		For Work In Restricted Working Space, Add	*1.22*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	9.06	2.41
		For Work In Restricted Working Space, Add	*1.46*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	9.88	2.87
		For Work In Restricted Working Space, Add	*1.70*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	18.88	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	21.46	3.62
		For Work In Restricted Working Space, Add	*2.19*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	28.04	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	28.61	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0104		**0.049" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	13.32	2.41
		For Work In Restricted Working Space, Add	*1.46*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	14.58	2.87
		For Work In Restricted Working Space, Add	*1.70*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	17.33	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	22.84	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	26.12	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	34.04	5.65
		For Work In Restricted Working Space, Add	*3.40*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	33.88	6.41
		For Work In Restricted Working Space, Add	*3.87*	
40 05 23 23-0112		**0.065" Wall** *(40 05 23 23-0095)*		
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	15.58	2.87
		For Work In Restricted Working Space, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	17.28	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	21.67	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	25.78	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	31.55	5.65
		For Work In Restricted Working Space, Add	*3.40*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	34.49	6.41
		For Work In Restricted Working Space, Add	*3.87*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	40.52	7.24
		For Work In Restricted Working Space, Add	*4.35*	

40 05 23 23-0120 Type 316 Tube Fittings *(40 05 23 23-0011)*

40 05 23 23-0121 90 Degree Elbows *(40 05 23 23-0120)*

40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	67.16	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	81.98	8.90
		For Work In Restricted Working Space, Add	*5.33*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	135.28	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	142.67	11.24
		For Work In Restricted Working Space, Add	*6.76*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	161.09	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	231.24	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	298.42	16.07
		For Work In Restricted Working Space, Add	*9.63*	

40 05 23 23-0129 Union Tees *(40 05 23 23-0120)*

40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	109.04	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	136.84	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	198.75	15.08
		For Work In Restricted Working Space, Add	*9.05*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	210.62	17.12
		For Work In Restricted Working Space, Add	*10.28*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	281.51	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	478.72	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	574.09	24.36
		For Work In Restricted Working Space, Add	*14.60*	

40 05 23 23-0137 Unions *(40 05 23 23-0120)*

40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	64.19	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	85.08	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	117.64	15.08
		For Work In Restricted Working Space, Add	*9.05*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	144.46	17.12
		For Work In Restricted Working Space, Add	*10.28*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	174.10	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	274.42	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	289.78	24.36
		For Work In Restricted Working Space, Add	*14.60*	

40 05 23 23-0145 Male Connectors *(40 05 23 23-0120)*

40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	42.80	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	57.89	8.90
		For Work In Restricted Working Space, Add	*5.33*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	80.19	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	90.62	11.24
		For Work In Restricted Working Space, Add	*6.76*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	114.58	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	189.72	13.51
		For Work In Restricted Working Space, Add	*8.08*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	191.83	16.07
		For Work In Restricted Working Space, Add	*9.63*	

40 05 23 23-0153 Type 316 Valves *(40 05 23 23-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	283.05	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	493.89	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	502.87	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	555.97	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	492.19	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	687.97	25.26
		For Work In Restricted Working Space, Add	*15.16*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,124.27	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,329.97	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	1,880.90	120.74
		For Work In Restricted Working Space, Add	*72.43*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	287.33	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	179.31	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	333.67	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	370.13	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	546.04	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	689.66	25.12
		For Work In Restricted Working Space, Add	*15.05*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,167.04	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,372.74	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,610.03	120.74
		For Work In Restricted Working Space, Add	*72.43*	
40 05 23 23-0174		**Check Valves** *(40 05 23 23-0153)*		
40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	413.03	12.14
		For Work In Restricted Working Space, Add	*6.59*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	414.18	14.26
		For Work In Restricted Working Space, Add	*6.94*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	250.70	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	258.55	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	276.76	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	395.25	25.26
		For Work In Restricted Working Space, Add	*15.16*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	924.68	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,116.13	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,142.26	120.74
		For Work In Restricted Working Space, Add	*72.43*	
40 05 23 23-0184		**Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined** *(40 05 23 23-0153)*		
40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	437.38	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	511.46	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	651.02	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,054.36	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,474.46	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0190		**Diaphragm Valves, Teflon Lined** *(40 05 23 23-0153)*		
40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	587.27	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	675.24	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	814.80	24.36
		For Work In Restricted Working Space, Add	*14.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,284.75	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,749.26	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0196		**Strainers** *(40 05 23 23-0153)*		
40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	588.72	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	705.65	18.48
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	922.77	24.51
		For Work In Restricted Working Space, Add	*14.71*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,153.69	25.26
		For Work In Restricted Working Space, Add	*15.16*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,454.45	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,100.54	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,889.26	50.16
		For Work In Restricted Working Space, Add	*30.09*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,203.94	75.42
		For Work In Restricted Working Space, Add	*45.25*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,344.33	120.67
		For Work In Restricted Working Space, Add	*72.40*	
40 05 23 23-0206		**Plug Valves** *(40 05 23 23-0153)*		
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	628.95	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	686.69	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	769.30	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,083.20	27.53
		For Work In Restricted Working Space, Add	*16.52*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,406.15	37.71
		For Work In Restricted Working Space, Add	*22.63*	
40 05 23 23-0212		**Cut And Prepare Existing Pipe In-Place** *(40 05 23 23-0011)*		
		Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	15.07	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	16.28	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	18.31	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	19.21	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	20.34	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	21.84	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	23.36	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	25.61	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	27.88	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	30.14	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	32.40	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	35.42	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	38.43	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	41.44	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	44.45	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	46.72	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	48.97	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	51.99	
40 05 23 23-0231		**Stainless Steel Pipe And Fittings** *(40 05 23 23)*		
40 05 23 23-0232		**Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0233		**Type 304, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0232)*		
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	12.67	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	15.55	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	19.18	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	23.15	5.65
		For Work In Restricted Working Space, Add	*3.40*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	26.87	6.41
		For Work In Restricted Working Space, Add	*3.87*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	34.39	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	47.39	9.65
		For Work In Restricted Working Space, Add	*5.80*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	59.56	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	80.88	16.07
		For Work In Restricted Working Space, Add	*9.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0243		**150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0244	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	28.50	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0245	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	38.05	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0246	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	49.45	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0247	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	70.69	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0248	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	85.31	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0249	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	104.44	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0250	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	182.74	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0251	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	234.86	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0252	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	342.92	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0253		**150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0254	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	29.46	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0255	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	39.60	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0256	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	49.93	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0257	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	70.50	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0258	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	83.02	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0259	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	103.90	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0260	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	193.13	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0261	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	255.13	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0262	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	366.52	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0263		**150 Lb., Type 304 Stainless Steel Threaded Tees** *(40 05 23 23-0232)*		
40 05 23 23-0264	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	42.45	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0265	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	57.63	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0266	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Tee	71.77	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0267	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	106.52	41.93
		For Work In Restricted Working Space, Add	*25.14*	
40 05 23 23-0268	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	122.52	47.14
		For Work In Restricted Working Space, Add	*28.28*	
40 05 23 23-0269	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Tee	161.99	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0270	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	259.54	90.89
		For Work In Restricted Working Space, Add	*54.52*	
40 05 23 23-0271	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Tee	355.42	121.65
		For Work In Restricted Working Space, Add	*72.99*	
40 05 23 23-0272	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Tee	504.20	150.84
		For Work In Restricted Working Space, Add	*90.50*	
40 05 23 23-0273		**150 Lb., Type 304 Stainless Steel Threaded Reducers** *(40 05 23 23-0232)*		
40 05 23 23-0274	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	37.33	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0275	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Reducer	47.93	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0276	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	66.34	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0277	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	80.64	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0278	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	104.54	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0279	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	179.67	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0280	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Reducer	239.05	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0281	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	328.42	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0282		**150 Lb., Type 304 Stainless Steel Threaded Caps** *(40 05 23 23-0232)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0283	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	14.94	6.11
		For Work In Restricted Working Space, Add	*3.65*	
40 05 23 23-0284	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	19.69	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0285	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Cap	25.33	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0286	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	37.89	14.26
		For Work In Restricted Working Space, Add	*8.54*	
40 05 23 23-0287	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	44.46	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0288	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Cap	56.53	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0289	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	88.78	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0290	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Cap	118.70	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0291	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Cap	167.08	50.31
		For Work In Restricted Working Space, Add	*30.17*	

40 05 23 23-0292 150 Lb., Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*

40 05 23 23-0293	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	48.49	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0294	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Union	63.48	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0295	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Union	82.72	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0296	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Union	122.63	41.93
		For Work In Restricted Working Space, Add	*25.14*	
40 05 23 23-0297	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	138.14	47.14
		For Work In Restricted Working Space, Add	*28.28*	
40 05 23 23-0298	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Union	178.25	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0299	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	330.89	94.27
		For Work In Restricted Working Space, Add	*56.57*	
40 05 23 23-0300	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Union	422.54	121.65
		For Work In Restricted Working Space, Add	*72.99*	
40 05 23 23-0301	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Union	492.09	100.58
		For Work In Restricted Working Space, Add	*60.35*	

40 05 23 23-0302 150 Lb., Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*

40 05 23 23-0303	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	28.10	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0304	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	37.52	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0305	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Coupling	49.02	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0306	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	68.98	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0307	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	81.15	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0308	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	101.34	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0309	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	173.87	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0310	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Coupling	224.47	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0311	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	297.89	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	15.94	3.24
		For Work In Restricted Working Space, Add	*1.94*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	18.78	4.07
		For Work In Restricted Working Space, Add	*2.43*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	23.82	4.90
		For Work In Restricted Working Space, Add	*2.92*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	29.22	5.65
		For Work In Restricted Working Space, Add	*3.40*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	34.05	6.41
		For Work In Restricted Working Space, Add	*3.87*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	44.01	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	60.83	9.65
		For Work In Restricted Working Space, Add	*5.80*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	79.61	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	106.97	16.07
		For Work In Restricted Working Space, Add	*9.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0323		**150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0312)*		
40 05 23 23-0324	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	29.75	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0325	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	39.92	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0326	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	50.60	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0327	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	72.75	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0328	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	88.06	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0329	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	107.83	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0330	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	188.16	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0331	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	248.13	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0332	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	359.05	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0333		**150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0312)*		
40 05 23 23-0334	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	30.77	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0335	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	40.56	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0336	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	51.34	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0337	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	72.53	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0338	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	85.39	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0339	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	107.08	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0340	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	198.23	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0341	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	266.88	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0342	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	398.22	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0343		**150 Lb., Type 316 Stainless Steel Threaded Tees** *(40 05 23 23-0312)*		
40 05 23 23-0344	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	43.79	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0345	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	58.99	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0346	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Tee	73.29	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0347	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	109.62	41.93
		For Work In Restricted Working Space, Add	*25.14*	
40 05 23 23-0348	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	125.59	47.14
		For Work In Restricted Working Space, Add	*28.28*	
40 05 23 23-0349	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Tee	166.02	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0350	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	276.02	90.89
		For Work In Restricted Working Space, Add	*54.52*	
40 05 23 23-0351	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Tee	377.88	121.65
		For Work In Restricted Working Space, Add	*72.99*	
40 05 23 23-0352	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Tee	520.94	150.84
		For Work In Restricted Working Space, Add	*90.50*	
40 05 23 23-0353		**150 Lb., Type 316 Stainless Steel Threaded Reducers** *(40 05 23 23-0312)*		
40 05 23 23-0354	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	38.48	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0355	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Reducer	51.32	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0356	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	66.98	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0357	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	83.98	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0358	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	110.39	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0359	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	192.97	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0360	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Reducer	253.74	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0361	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	352.90	100.54
		For Work In Restricted Working Space, Add	*60.34*	
40 05 23 23-0362		**150 Lb., Type 316 Stainless Steel Threaded Caps** *(40 05 23 23-0312)*		
40 05 23 23-0363	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	15.68	6.11
		For Work In Restricted Working Space, Add	*3.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0364	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	20.25	8.15
		For Work In Restricted Working Space, Add	*4.87*	
40 05 23 23-0365	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Cap	26.32	10.03
		For Work In Restricted Working Space, Add	*6.04*	
40 05 23 23-0366	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	40.64	14.26
		For Work In Restricted Working Space, Add	*8.54*	
40 05 23 23-0367	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	47.72	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0368	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Cap	60.77	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0369	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	95.80	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0370	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Cap	125.83	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0371	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Cap	181.23	50.31
		For Work In Restricted Working Space, Add	*30.17*	

40 05 23 23-0372 150 Lb., Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

40 05 23 23-0373	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	50.09	18.41
		For Work In Restricted Working Space, Add	*11.04*	
40 05 23 23-0374	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Union	69.54	24.36
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-0375	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Union	85.79	30.16
		For Work In Restricted Working Space, Add	*18.10*	
40 05 23 23-0376	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Union	127.83	41.93
		For Work In Restricted Working Space, Add	*25.14*	
40 05 23 23-0377	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	144.23	47.14
		For Work In Restricted Working Space, Add	*28.28*	
40 05 23 23-0378	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Union	185.30	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0379	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	341.71	94.27
		For Work In Restricted Working Space, Add	*56.57*	
40 05 23 23-0380	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Union	456.24	121.65
		For Work In Restricted Working Space, Add	*72.99*	
40 05 23 23-0381	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Union	563.92	100.58
		For Work In Restricted Working Space, Add	*60.35*	

40 05 23 23-0382 150 Lb., Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

40 05 23 23-0383	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	30.63	12.14
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-0384	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	38.70	16.07
		For Work In Restricted Working Space, Add	*9.63*	
40 05 23 23-0385	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Coupling	50.14	20.36
		For Work In Restricted Working Space, Add	*12.23*	
40 05 23 23-0386	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	70.77	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0387	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	83.28	32.81
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-0388	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	104.30	39.67
		For Work In Restricted Working Space, Add	*23.82*	
40 05 23 23-0389	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	184.23	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-0390	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Coupling	237.82	81.07
		For Work In Restricted Working Space, Add	*48.66*	
40 05 23 23-0391	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	317.92	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	14.36	3.17
		For Work In Restricted Working Space, Add	*1.91*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	17.03	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	22.91	4.59
		For Work In Restricted Working Space, Add	*2.73*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	27.89	5.71
		For Work In Restricted Working Space, Add	*3.41*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	30.98	6.41
		For Work In Restricted Working Space, Add	*3.85*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	38.31	7.97
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	46.05	9.10
		For Work In Restricted Working Space, Add	*5.45*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	54.63	10.23
		For Work In Restricted Working Space, Add	*6.13*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	69.05	12.13
		For Work In Restricted Working Space, Add	*7.26*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	101.79	15.94
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	165.89	27.39
		For Work In Restricted Working Space, Add	*17.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	215.51	30.11
		For Work In Restricted Working Space, Add	*19.36*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	259.88	33.49
		For Work In Restricted Working Space, Add	*21.51*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	322.37	37.65
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	353.78	43.03
		For Work In Restricted Working Space, Add	*27.66*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	394.88	50.20
		For Work In Restricted Working Space, Add	*32.27*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	555.35	60.24
		For Work In Restricted Working Space, Add	*38.72*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	726.69	75.30
		For Work In Restricted Working Space, Add	*48.40*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	86.88	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	91.82	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	101.42	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	110.81	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	122.42	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	137.40	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	180.95	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	212.41	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	264.79	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	387.03	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	654.41	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,029.57	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,561.25	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,860.27	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,220.61	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,820.24	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,923.21	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,646.57	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	88.79	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	93.73	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	103.71	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	113.87	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	122.80	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	137.40	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	179.04	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	208.97	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	258.29	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	353.04	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	588.85	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	912.85	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,376.46	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,633.46	484.03
		For Work In Restricted Working Space, Add	*322.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,940.68	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,452.63	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,427.18	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,942.92	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*

40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	123.18	45.98
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	146.43	56.44
		For Work In Restricted Working Space, Add	*37.63*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	161.93	63.42
		For Work In Restricted Working Space, Add	*42.28*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	184.04	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	193.50	77.63
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	210.68	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	289.04	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	323.78	127.14
		For Work In Restricted Working Space, Add	*84.76*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	378.95	142.69
		For Work In Restricted Working Space, Add	*95.12*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	587.38	190.25
		For Work In Restricted Working Space, Add	*126.83*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,002.76	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	1,561.25	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,040.46	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	2,542.76	623.21
		For Work In Restricted Working Space, Add	*415.47*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	3,068.31	760.25
		For Work In Restricted Working Space, Add	*506.83*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	3,902.84	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	5,265.37	1,273.76
		For Work In Restricted Working Space, Add	*849.17*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	7,834.60	1,936.10
		For Work In Restricted Working Space, Add	*1,290.74*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	122.79	38.41
		For Work In Restricted Working Space, Add	*25.61*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	142.04	47.08
		For Work In Restricted Working Space, Add	*31.38*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	185.87	52.89
		For Work In Restricted Working Space, Add	*35.26*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	180.96	60.30
		For Work In Restricted Working Space, Add	*40.20*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	186.37	64.79
		For Work In Restricted Working Space, Add	*43.19*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	271.86	70.60
		For Work In Restricted Working Space, Add	*47.07*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	317.16	84.63
		For Work In Restricted Working Space, Add	*56.42*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	387.82	105.78
		For Work In Restricted Working Space, Add	*70.52*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	550.43	120.86
		For Work In Restricted Working Space, Add	*80.58*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,129.85	172.86
		For Work In Restricted Working Space, Add	*115.24*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,983.43	230.49
		For Work In Restricted Working Space, Add	*153.66*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,797.58	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,403.32	415.35
		For Work In Restricted Working Space, Add	*276.91*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,232.20	506.66
		For Work In Restricted Working Space, Add	*337.77*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,484.92	645.36
		For Work In Restricted Working Space, Add	*430.25*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,953.16	849.16
		For Work In Restricted Working Space, Add	*566.11*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	12,527.18	1,289.59
		For Work In Restricted Working Space, Add	*859.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0487		**Type 304, Schedule 10 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0392)*		
40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	90.61	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	100.64	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	111.56	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	116.33	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	125.47	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	178.46	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	200.66	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	234.05	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	305.22	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	474.29	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	611.52	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	827.87	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,250.22	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,486.09	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,808.66	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,620.68	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,689.29	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	126.51	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	126.99	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	129.61	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	149.17	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	149.15	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	204.43	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	226.25	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	253.84	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	376.63	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	627.39	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	910.14	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,103.80	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,886.75	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,215.46	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,698.82	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,047.13	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	5,579.78	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0522		**Type 304, Schedule 10 Stainless Steel Butt Weld Caps** *(40 05 23 23-0392)*		
40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	52.04	18.09
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	58.71	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	64.46	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	71.54	23.00
		For Work In Restricted Working Space, Add	*15.33*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	75.14	25.40
		For Work In Restricted Working Space, Add	*16.93*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	79.21	28.25
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	104.03	36.16
		For Work In Restricted Working Space, Add	*24.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	114.41	42.38
		For Work In Restricted Working Space, Add	*28.25*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	138.69	50.72
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	183.42	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	306.80	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	408.14	138.29
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	592.35	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	698.82	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	821.13	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,044.13	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	1,426.33	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	2,154.57	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	16.33	3.17
		For Work In Restricted Working Space, Add	*1.91*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	19.82	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	24.42	4.59
		For Work In Restricted Working Space, Add	*2.73*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	30.52	5.64
		For Work In Restricted Working Space, Add	*3.41*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	35.25	6.34
		For Work In Restricted Working Space, Add	*3.85*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	45.34	8.11
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	56.77	9.17
		For Work In Restricted Working Space, Add	*5.45*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	54.44	10.23
		For Work In Restricted Working Space, Add	*6.13*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	92.95	11.99
		For Work In Restricted Working Space, Add	*7.26*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	146.64	15.86
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	255.60	27.25
		For Work In Restricted Working Space, Add	*17.60*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	327.10	30.11
		For Work In Restricted Working Space, Add	*19.36*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	410.86	33.34
		For Work In Restricted Working Space, Add	*21.51*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	88.41	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	93.35	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	102.56	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	111.64	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	123.18	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	140.07	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	190.88	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	226.92	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	289.23	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	543.22	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	867.25	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,461.40	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,121.36	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,539.76	484.03
		For Work In Restricted Working Space, Add	*322.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,093.51	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,033.11	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,420.23	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	7,782.32	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	91.08	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	96.02	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	104.47	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	113.59	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	125.09	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	140.48	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	190.88	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	216.23	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	294.96	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	412.99	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	730.72	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,120.32	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,618.18	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,803.92	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,217.40	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,810.85	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,770.96	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	5,526.65	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*

40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	124.71	45.98
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	147.96	56.44
		For Work In Restricted Working Space, Add	*37.63*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	163.46	63.42
		For Work In Restricted Working Space, Add	*42.28*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	187.93	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	195.03	77.63
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	212.59	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	294.19	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	331.80	127.14
		For Work In Restricted Working Space, Add	*84.76*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	387.73	142.69
		For Work In Restricted Working Space, Add	*95.12*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	648.10	190.25
		For Work In Restricted Working Space, Add	*126.83*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,183.00	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,114.37	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	2,623.67	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	3,717.95	623.21
		For Work In Restricted Working Space, Add	*415.47*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	4,784.01	760.25
		For Work In Restricted Working Space, Add	*506.83*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	6,232.34	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	7,997.83	1,273.76
		For Work In Restricted Working Space, Add	*849.17*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	12,272.44	1,936.10
		For Work In Restricted Working Space, Add	*1,290.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	127.75	38.41
		For Work In Restricted Working Space, Add	*25.61*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	147.00	47.08
		For Work In Restricted Working Space, Add	*31.38*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	209.75	52.89
		For Work In Restricted Working Space, Add	*35.26*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	188.22	60.30
		For Work In Restricted Working Space, Add	*40.20*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	186.37	64.79
		For Work In Restricted Working Space, Add	*43.19*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	247.46	70.60
		For Work In Restricted Working Space, Add	*47.07*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	263.31	84.63
		For Work In Restricted Working Space, Add	*56.42*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	359.56	105.78
		For Work In Restricted Working Space, Add	*70.52*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	555.02	120.86
		For Work In Restricted Working Space, Add	*80.58*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	967.76	172.86
		For Work In Restricted Working Space, Add	*115.24*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,034.15	230.49
		For Work In Restricted Working Space, Add	*153.66*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,899.04	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,260.96	415.35
		For Work In Restricted Working Space, Add	*276.91*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,053.90	506.66
		For Work In Restricted Working Space, Add	*337.77*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	5,252.41	645.36
		For Work In Restricted Working Space, Add	*430.25*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,604.97	849.16
		For Work In Restricted Working Space, Add	*566.11*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	11,972.63	1,289.59
		For Work In Restricted Working Space, Add	*859.73*	
40 05 23 23-0631		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	94.43	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	104.46	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	111.83	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	120.15	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	127.76	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	178.46	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	186.91	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	214.50	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	308.27	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	539.14	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	722.89	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	927.26	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,473.28	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,766.50	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,376.51	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,290.48	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	4,382.94	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	128.07	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	135.01	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	157.11	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	163.30	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	170.92	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	204.43	63.47
		For Work In Restricted Working Space, Add	*42.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	273.60	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	285.92	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	408.33	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	630.70	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	907.26	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,253.93	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,273.98	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,574.62	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,421.97	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,404.01	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	7,161.61	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	53.18	18.09
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	57.56	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	65.60	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	76.64	23.00
		For Work In Restricted Working Space, Add	*15.33*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	80.11	25.40
		For Work In Restricted Working Space, Add	*16.93*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	78.83	28.25
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	101.46	36.16
		For Work In Restricted Working Space, Add	*24.11*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	115.94	42.38
		For Work In Restricted Working Space, Add	*28.25*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	143.27	50.72
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	211.68	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	352.17	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	472.30	138.29
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	714.63	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	810.83	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	975.22	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,226.75	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	1,669.87	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	2,561.76	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-0685 Type 304, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0541)*

Note: Threaded Female x Butt Weld Straight Adapter

40 05 23 23-0686	EA	1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	79.80	36.18
		For Work In Restricted Working Space, Add	*21.71*	
40 05 23 23-0687	EA	3/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	85.66	38.43
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 23-0688	EA	1", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	99.95	42.17
		For Work In Restricted Working Space, Add	*25.32*	
40 05 23 23-0689	EA	1-1/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	111.69	45.98
		For Work In Restricted Working Space, Add	*27.59*	
40 05 23 23-0690	EA	1-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	126.88	50.77
		For Work In Restricted Working Space, Add	*30.47*	
40 05 23 23-0691	EA	2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	147.58	56.49
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0692	EA	2-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	215.93	72.35
		For Work In Restricted Working Space, Add	*43.39*	
40 05 23 23-0693	EA	3", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	288.66	84.76
		For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0694	EA	4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	350.01	101.48
		For Work In Restricted Working Space, Add	*60.86*	

40 05 23 23-0695 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0696		**Type 316, Schedule 10 Stainless Steel Pipe** *(40 05 23 23-0695)*		
40 05 23 23-0697	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	16.87	3.17
		For Work In Restricted Working Space, Add	*1.91*	
40 05 23 23-0698	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	19.93	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 23-0699	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	27.23	4.59
		For Work In Restricted Working Space, Add	*2.73*	
40 05 23 23-0700	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	33.05	5.71
		For Work In Restricted Working Space, Add	*3.41*	
40 05 23 23-0701	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	36.65	6.41
		For Work In Restricted Working Space, Add	*3.85*	
40 05 23 23-0702	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	45.31	7.97
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0703	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	54.76	9.10
		For Work In Restricted Working Space, Add	*5.45*	
40 05 23 23-0704	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	65.31	10.23
		For Work In Restricted Working Space, Add	*6.13*	
40 05 23 23-0705	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	83.05	12.13
		For Work In Restricted Working Space, Add	*7.26*	
40 05 23 23-0706	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	123.65	15.94
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0707	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	199.37	27.39
		For Work In Restricted Working Space, Add	*17.60*	
40 05 23 23-0708	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	262.66	30.11
		For Work In Restricted Working Space, Add	*19.36*	
40 05 23 23-0709	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	318.65	33.49
		For Work In Restricted Working Space, Add	*21.51*	
40 05 23 23-0710	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	397.85	37.65
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-0711	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	435.48	43.03
		For Work In Restricted Working Space, Add	*27.66*	
40 05 23 23-0712	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	484.61	50.20
		For Work In Restricted Working Space, Add	*32.27*	
40 05 23 23-0713	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	688.46	60.24
		For Work In Restricted Working Space, Add	*38.72*	
40 05 23 23-0714	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	903.24	75.30
		For Work In Restricted Working Space, Add	*48.40*	
40 05 23 23-0715		**Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0695)*		
40 05 23 23-0716	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	88.79	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0717	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	93.73	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0718	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	103.71	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0719	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	114.14	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0720	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	124.71	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0721	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	140.07	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0722	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	185.92	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0723	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	219.67	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0724	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	275.86	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0725	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	416.05	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0726	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	708.45	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0727	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,154.52	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0728	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,731.61	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0729	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,020.57	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0730	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,474.16	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0731	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,124.28	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0732	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	4,357.54	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0733	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	6,291.95	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	
40 05 23 23-0734		**Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0695)*		
40 05 23 23-0735	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	91.08	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0736	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	96.02	38.40
		For Work In Restricted Working Space, Add	*25.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0737	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	106.00	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0738	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	117.20	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0739	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	124.71	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0740	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	140.07	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0741	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	183.62	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0742	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	216.23	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0743	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	267.84	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0744	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	368.69	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0745	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	623.48	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0746	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,120.32	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0747	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,618.18	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0748	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,914.29	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0749	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,279.29	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0750	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,894.80	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0751	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	4,151.35	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0752	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	6,017.32	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0753 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0695)*

40 05 23 23-0754	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	128.15	45.98
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0755	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	151.40	56.44
		For Work In Restricted Working Space, Add	*37.63*	
40 05 23 23-0756	EA	1", Type 316, Schedule 10 Stainless Steel Tee	166.90	63.42
		For Work In Restricted Working Space, Add	*42.28*	
40 05 23 23-0757	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	193.21	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0758	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	200.76	77.63
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 23-0759	EA	2", Type 316, Schedule 10 Stainless Steel Tee	217.17	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0760	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	268.22	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0761	EA	3", Type 316, Schedule 10 Stainless Steel Tee	336.38	127.14
		For Work In Restricted Working Space, Add	*84.76*	
40 05 23 23-0762	EA	4", Type 316, Schedule 10 Stainless Steel Tee	396.13	142.69
		For Work In Restricted Working Space, Add	*95.12*	
40 05 23 23-0763	EA	6", Type 316, Schedule 10 Stainless Steel Tee	636.65	190.25
		For Work In Restricted Working Space, Add	*126.83*	
40 05 23 23-0764	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,132.25	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0765	EA	10", Type 316, Schedule 10 Stainless Steel Tee	1,809.97	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0766	EA	12", Type 316, Schedule 10 Stainless Steel Tee	2,369.99	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0767	EA	14", Type 316, Schedule 10 Stainless Steel Tee	3,153.79	623.21
		For Work In Restricted Working Space, Add	*415.47*	
40 05 23 23-0768	EA	16", Type 316, Schedule 10 Stainless Steel Tee	3,660.05	760.25
		For Work In Restricted Working Space, Add	*506.83*	
40 05 23 23-0769	EA	18", Type 316, Schedule 10 Stainless Steel Tee	4,647.38	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0770	EA	20", Type 316, Schedule 10 Stainless Steel Tee	6,351.11	1,273.76
		For Work In Restricted Working Space, Add	*849.17*	
40 05 23 23-0771	EA	24", Type 316, Schedule 10 Stainless Steel Tee	8,786.86	1,936.10
		For Work In Restricted Working Space, Add	*1,290.74*	

40 05 23 23-0772 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0695)*

40 05 23 23-0773	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	134.63	38.41
		For Work In Restricted Working Space, Add	*25.61*	
40 05 23 23-0774	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	156.17	47.08
		For Work In Restricted Working Space, Add	*31.38*	
40 05 23 23-0775	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	203.09	52.89
		For Work In Restricted Working Space, Add	*35.26*	
40 05 23 23-0776	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	192.80	60.30
		For Work In Restricted Working Space, Add	*40.20*	
40 05 23 23-0777	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	202.79	64.79
		For Work In Restricted Working Space, Add	*43.19*	
40 05 23 23-0778	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	321.51	70.60
		For Work In Restricted Working Space, Add	*47.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0779	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	272.48	84.63
		For Work In Restricted Working Space, Add	*56.42*	
40 05 23 23-0780	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	387.82	105.78
		For Work In Restricted Working Space, Add	*70.52*	
40 05 23 23-0781	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	621.09	120.86
		For Work In Restricted Working Space, Add	*80.58*	
40 05 23 23-0782	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,335.27	172.86
		For Work In Restricted Working Space, Add	*115.24*	
40 05 23 23-0783	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,668.52	230.49
		For Work In Restricted Working Space, Add	*153.66*	
40 05 23 23-0784	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,381.19	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0785	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,789.99	415.35
		For Work In Restricted Working Space, Add	*276.91*	
40 05 23 23-0786	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,716.46	506.66
		For Work In Restricted Working Space, Add	*337.77*	
40 05 23 23-0787	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,116.42	645.36
		For Work In Restricted Working Space, Add	*430.25*	
40 05 23 23-0788	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,898.84	849.16
		For Work In Restricted Working Space, Add	*566.11*	
40 05 23 23-0789	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	14,033.35	1,289.59
		For Work In Restricted Working Space, Add	*859.73*	

40 05 23 23-0790 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0695)*

40 05 23 23-0791	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	94.05	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0792	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	104.84	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0793	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	117.67	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0794	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	119.00	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0795	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	127.76	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0796	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	176.86	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0797	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	209.83	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0798	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	217.22	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0799	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	323.93	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0800	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	493.86	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0801	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	657.33	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0802	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	881.91	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0803	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,324.64	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0804	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,556.56	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0805	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,912.26	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0806	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,780.74	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0807	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,973.08	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0808	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	123.74	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0809	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	140.10	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0810	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	159.47	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0811	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	167.89	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0812	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	157.93	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0813	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	218.56	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0814	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	252.60	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0815	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	275.22	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0816	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	423.61	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0817	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	709.88	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0818	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,029.35	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0819	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,267.95	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0820	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,056.71	363.02
		For Work In Restricted Working Space, Add	*242.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0821	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,441.37	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0822	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,011.56	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0823	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,538.88	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0824	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,061.01	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	

40 05 23 23-0825 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0695)*

40 05 23 23-0826	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	57.00	18.09
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-0827	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	65.20	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-0828	EA	1", Type 316, Schedule 10 Stainless Steel Cap	71.33	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-0829	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	78.17	23.00
		For Work In Restricted Working Space, Add	*15.33*	
40 05 23 23-0830	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	83.16	25.40
		For Work In Restricted Working Space, Add	*16.93*	
40 05 23 23-0831	EA	2", Type 316, Schedule 10 Stainless Steel Cap	83.79	28.25
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-0832	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	102.57	36.16
		For Work In Restricted Working Space, Add	*24.11*	
40 05 23 23-0833	EA	3", Type 316, Schedule 10 Stainless Steel Cap	122.43	42.38
		For Work In Restricted Working Space, Add	*28.25*	
40 05 23 23-0834	EA	4", Type 316, Schedule 10 Stainless Steel Cap	146.71	50.72
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-0835	EA	6", Type 316, Schedule 10 Stainless Steel Cap	197.55	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0836	EA	8", Type 316, Schedule 10 Stainless Steel Cap	331.96	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-0837	EA	10", Type 316, Schedule 10 Stainless Steel Cap	438.69	138.29
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-0838	EA	12", Type 316, Schedule 10 Stainless Steel Cap	637.04	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0839	EA	14", Type 316, Schedule 10 Stainless Steel Cap	739.11	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-0840	EA	16", Type 316, Schedule 10 Stainless Steel Cap	855.17	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-0841	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,083.15	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0842	EA	20", Type 316, Schedule 10 Stainless Steel Cap	1,488.57	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0843	EA	24", Type 316, Schedule 10 Stainless Steel Cap	2,346.18	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-0844 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0845 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0844)*

40 05 23 23-0846	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	19.67	3.17
		For Work In Restricted Working Space, Add	*1.91*	
40 05 23 23-0847	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	23.86	3.88
		For Work In Restricted Working Space, Add	*2.33*	
40 05 23 23-0848	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	29.54	4.59
		For Work In Restricted Working Space, Add	*2.73*	
40 05 23 23-0849	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	36.92	5.64
		For Work In Restricted Working Space, Add	*3.41*	
40 05 23 23-0850	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	42.75	6.34
		For Work In Restricted Working Space, Add	*3.85*	
40 05 23 23-0851	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	55.19	8.11
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0852	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	69.69	9.17
		For Work In Restricted Working Space, Add	*5.45*	
40 05 23 23-0853	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	65.81	10.23
		For Work In Restricted Working Space, Add	*6.13*	
40 05 23 23-0854	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	115.95	11.99
		For Work In Restricted Working Space, Add	*7.26*	
40 05 23 23-0855	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	185.07	15.86
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0856	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	321.47	27.25
		For Work In Restricted Working Space, Add	*17.60*	
40 05 23 23-0857	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	414.93	30.11
		For Work In Restricted Working Space, Add	*19.36*	
40 05 23 23-0858	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	524.31	33.34
		For Work In Restricted Working Space, Add	*21.51*	

40 05 23 23-0859 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0844)*

40 05 23 23-0860	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	90.70	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0861	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	95.64	38.40
		For Work In Restricted Working Space, Add	*25.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0862	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	105.62	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0863	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	114.98	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0864	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	126.62	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0865	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	144.66	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0866	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	200.05	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0867	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	239.52	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0868	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	319.40	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0869	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	568.81	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0870	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,000.87	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0871	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,793.83	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0872	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,504.96	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0873	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,750.52	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0874	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,427.13	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0875	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,409.51	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0876	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	5,869.19	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0877	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	8,573.73	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0878 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0844)*

40 05 23 23-0879	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	94.52	36.18
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-0880	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	99.46	38.40
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-0881	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	107.91	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0882	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	116.09	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0883	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	128.91	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0884	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	144.66	56.51
		For Work In Restricted Working Space, Add	*37.67*	
40 05 23 23-0885	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	200.05	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0886	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	224.63	84.75
		For Work In Restricted Working Space, Add	*56.51*	
40 05 23 23-0887	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	291.14	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0888	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	452.71	126.73
		For Work In Restricted Working Space, Add	*84.49*	
40 05 23 23-0889	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	796.31	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0890	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,322.41	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0891	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,873.89	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0892	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,097.37	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0893	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,355.57	552.12
		For Work In Restricted Working Space, Add	*368.08*	
40 05 23 23-0894	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,075.51	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0895	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	4,109.51	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0896	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	6,223.73	1,382.93
		For Work In Restricted Working Space, Add	*921.95*	

40 05 23 23-0897 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0844)*

40 05 23 23-0898	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	130.44	45.98
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0899	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	153.69	56.44
		For Work In Restricted Working Space, Add	*37.63*	
40 05 23 23-0900	EA	1", Type 316, Schedule 40 Stainless Steel Tee	169.19	63.42
		For Work In Restricted Working Space, Add	*42.28*	
40 05 23 23-0901	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	196.54	72.32
		For Work In Restricted Working Space, Add	*48.21*	
40 05 23 23-0902	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	200.76	77.63
		For Work In Restricted Working Space, Add	*51.75*	
40 05 23 23-0903	EA	2", Type 316, Schedule 40 Stainless Steel Tee	218.70	84.66
		For Work In Restricted Working Space, Add	*56.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0904	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	281.83	101.45
		For Work In Restricted Working Space, Add	*67.64*	
40 05 23 23-0905	EA	3", Type 316, Schedule 40 Stainless Steel Tee	343.63	127.14
		For Work In Restricted Working Space, Add	*84.76*	
40 05 23 23-0906	EA	4", Type 316, Schedule 40 Stainless Steel Tee	408.74	142.69
		For Work In Restricted Working Space, Add	*95.12*	
40 05 23 23-0907	EA	6", Type 316, Schedule 40 Stainless Steel Tee	726.39	190.25
		For Work In Restricted Working Space, Add	*126.83*	
40 05 23 23-0908	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,362.82	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0909	EA	10", Type 316, Schedule 40 Stainless Steel Tee	2,418.74	414.88
		For Work In Restricted Working Space, Add	*276.59*	
40 05 23 23-0910	EA	12", Type 316, Schedule 40 Stainless Steel Tee	2,953.63	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0911	EA	14", Type 316, Schedule 40 Stainless Steel Tee	4,526.73	623.21
		For Work In Restricted Working Space, Add	*415.47*	
40 05 23 23-0912	EA	16", Type 316, Schedule 40 Stainless Steel Tee	5,638.50	760.25
		For Work In Restricted Working Space, Add	*506.83*	
40 05 23 23-0913	EA	18", Type 316, Schedule 40 Stainless Steel Tee	7,344.33	968.05
		For Work In Restricted Working Space, Add	*645.37*	
40 05 23 23-0914	EA	20", Type 316, Schedule 40 Stainless Steel Tee	9,502.03	1,273.76
		For Work In Restricted Working Space, Add	*849.17*	
40 05 23 23-0915	EA	24", Type 316, Schedule 40 Stainless Steel Tee	13,337.66	1,936.10
		For Work In Restricted Working Space, Add	*1,290.74*	

40 05 23 23-0916 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0844)*

40 05 23 23-0917	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	141.88	38.41
		For Work In Restricted Working Space, Add	*25.61*	
40 05 23 23-0918	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	161.13	47.08
		For Work In Restricted Working Space, Add	*31.38*	
40 05 23 23-0919	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	233.64	52.89
		For Work In Restricted Working Space, Add	*35.26*	
40 05 23 23-0920	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	204.64	60.30
		For Work In Restricted Working Space, Add	*40.20*	
40 05 23 23-0921	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	202.79	64.79
		For Work In Restricted Working Space, Add	*43.19*	
40 05 23 23-0922	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	323.80	70.60
		For Work In Restricted Working Space, Add	*47.07*	
40 05 23 23-0923	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	288.90	84.63
		For Work In Restricted Working Space, Add	*56.42*	
40 05 23 23-0924	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	404.24	105.78
		For Work In Restricted Working Space, Add	*70.52*	
40 05 23 23-0925	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	631.40	120.86
		For Work In Restricted Working Space, Add	*80.58*	
40 05 23 23-0926	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,132.33	172.86
		For Work In Restricted Working Space, Add	*115.24*	
40 05 23 23-0927	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,719.26	230.49
		For Work In Restricted Working Space, Add	*153.66*	
40 05 23 23-0928	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,482.66	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0929	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,901.32	415.35
		For Work In Restricted Working Space, Add	*276.91*	
40 05 23 23-0930	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,855.89	506.66
		For Work In Restricted Working Space, Add	*337.77*	
40 05 23 23-0931	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,298.25	645.36
		For Work In Restricted Working Space, Add	*430.25*	
40 05 23 23-0932	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	9,171.13	849.16
		For Work In Restricted Working Space, Add	*566.11*	
40 05 23 23-0933	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	14,467.02	1,289.59
		For Work In Restricted Working Space, Add	*859.73*	

40 05 23 23-0934 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0844)*

40 05 23 23-0935	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	100.16	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0936	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	110.95	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0937	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	120.44	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0938	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	125.88	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0939	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	131.97	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0940	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	190.30	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0941	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	194.93	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0942	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	222.52	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0943	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	326.60	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0944	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	573.78	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0945	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	807.87	207.44
		For Work In Restricted Working Space, Add	*138.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0946	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	989.97	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0947	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,530.47	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0948	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,775.62	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0949	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,459.43	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0950	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,366.04	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0951	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,712.15	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0952	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	143.32	34.93
		For Work In Restricted Working Space, Add	*23.29*	
40 05 23 23-0953	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	150.29	38.07
		For Work In Restricted Working Space, Add	*25.38*	
40 05 23 23-0954	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	179.33	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-0955	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	179.73	45.99
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-0956	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	189.25	50.78
		For Work In Restricted Working Space, Add	*33.86*	
40 05 23 23-0957	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	218.56	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0958	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	305.30	72.26
		For Work In Restricted Working Space, Add	*48.17*	
40 05 23 23-0959	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	317.23	84.66
		For Work In Restricted Working Space, Add	*56.45*	
40 05 23 23-0960	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	482.04	107.79
		For Work In Restricted Working Space, Add	*71.86*	
40 05 23 23-0961	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	690.09	165.96
		For Work In Restricted Working Space, Add	*110.64*	
40 05 23 23-0962	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,063.57	207.44
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0963	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,501.41	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-0964	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,389.74	363.02
		For Work In Restricted Working Space, Add	*242.01*	
40 05 23 23-0965	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,764.83	413.69
		For Work In Restricted Working Space, Add	*275.80*	
40 05 23 23-0966	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,811.68	518.60
		For Work In Restricted Working Space, Add	*345.73*	
40 05 23 23-0967	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,837.27	691.47
		For Work In Restricted Working Space, Add	*460.98*	
40 05 23 23-0968	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	7,250.43	1,037.20
		For Work In Restricted Working Space, Add	*691.47*	
40 05 23 23-0969		**Type 316, Schedule 40 Stainless Steel Butt Weld Caps** *(40 05 23 23-0844)*		
40 05 23 23-0970	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	57.77	18.09
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-0971	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	64.82	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-0972	EA	1", Type 316, Schedule 40 Stainless Steel Cap	72.10	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-0973	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	85.25	23.00
		For Work In Restricted Working Space, Add	*15.33*	
40 05 23 23-0974	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	77.43	25.40
		For Work In Restricted Working Space, Add	*16.93*	
40 05 23 23-0975	EA	2", Type 316, Schedule 40 Stainless Steel Cap	89.14	28.25
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-0976	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	109.51	36.16
		For Work In Restricted Working Space, Add	*24.11*	
40 05 23 23-0977	EA	3", Type 316, Schedule 40 Stainless Steel Cap	123.58	42.38
		For Work In Restricted Working Space, Add	*28.25*	
40 05 23 23-0978	EA	4", Type 316, Schedule 40 Stainless Steel Cap	155.11	50.72
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-0979	EA	6", Type 316, Schedule 40 Stainless Steel Cap	232.69	63.47
		For Work In Restricted Working Space, Add	*42.31*	
40 05 23 23-0980	EA	8", Type 316, Schedule 40 Stainless Steel Cap	397.95	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-0981	EA	10", Type 316, Schedule 40 Stainless Steel Cap	535.82	138.29
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-0982	EA	12", Type 316, Schedule 40 Stainless Steel Cap	795.88	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-0983	EA	14", Type 316, Schedule 40 Stainless Steel Cap	893.05	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-0984	EA	16", Type 316, Schedule 40 Stainless Steel Cap	993.06	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-0985	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,285.05	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-0986	EA	20", Type 316, Schedule 40 Stainless Steel Cap	1,742.74	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-0987	EA	24", Type 316, Schedule 40 Stainless Steel Cap	2,841.15	691.46
		For Work In Restricted Working Space, Add	*460.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0988		Type 316, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0844)*		
		Note: Threaded Female x Butt Weld Straight Adapter		
40 05 23 23-0989	EA	1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	80.73	36.18
		For Work In Restricted Working Space, Add	*21.71*	
40 05 23 23-0990	EA	3/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	88.98	38.43
		For Work In Restricted Working Space, Add	*23.04*	
40 05 23 23-0991	EA	1", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	104.22	42.17
		For Work In Restricted Working Space, Add	*25.32*	
40 05 23 23-0992	EA	1-1/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	121.94	45.98
		For Work In Restricted Working Space, Add	*27.59*	
40 05 23 23-0993	EA	1-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	143.49	50.77
		For Work In Restricted Working Space, Add	*30.47*	
40 05 23 23-0994	EA	2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	160.48	56.49
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0995	EA	2-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	260.04	72.35
		For Work In Restricted Working Space, Add	*43.39*	
40 05 23 23-0996	EA	3", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	314.72	84.76
		For Work In Restricted Working Space, Add	*50.86*	
40 05 23 23-0997	EA	4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	442.36	101.48
		For Work In Restricted Working Space, Add	*60.86*	
40 05 23 23-0998		Valves *(40 05 23 23-0231)*		
40 05 23 23-0999		Gate Valves, Class 150 *(40 05 23 23-0998)*		
40 05 23 23-1000	EA	1/2" Gate Valve, Stainless Steel, Flanged	678.12	36.20
		For Work In Restricted Working Space, Add	*13.58*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-1001	EA	3/4" Gate Valve, Stainless Steel, Flanged	734.02	37.71
		For Work In Restricted Working Space, Add	*15.84*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-1002	EA	1" Gate Valve, Stainless Steel, Flanged	900.01	56.56
		For Work In Restricted Working Space, Add	*21.35*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-1003	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,140.66	65.99
		For Work In Restricted Working Space, Add	*24.59*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-1004	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,277.41	83.08
		For Work In Restricted Working Space, Add	*31.15*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-1005	EA	2" Gate Valve, Stainless Steel, Flanged	1,514.53	100.54
		For Work In Restricted Working Space, Add	*37.71*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-1006	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,209.15	109.36
		For Work In Restricted Working Space, Add	*41.14*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-1007	EA	3" Gate Valve, Stainless Steel, Flanged	2,483.57	128.22
		For Work In Restricted Working Space, Add	*48.14*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-1008	EA	4" Gate Valve, Stainless Steel, Flanged	3,241.16	214.95
		For Work In Restricted Working Space, Add	*80.81*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-1009	EA	6" Gate Valve, Stainless Steel, Flanged	5,506.31	271.51
		For Work In Restricted Working Space, Add	*102.18*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-1010	EA	8" Gate Valve, Stainless Steel, Flanged	12,252.14	346.94
		For Work In Restricted Working Space, Add	*129.29*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-1011	EA	10" Gate Valve, Stainless Steel, Flanged	17,328.20	422.36
		For Work In Restricted Working Space, Add	*158.39*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-1012	EA	12" Gate Valve, Stainless Steel, Flanged	26,207.87	512.85
		For Work In Restricted Working Space, Add	*191.98*	
		For Class 300, Add	*24,033.86*	
40 05 23 23-1013		Globe Valves, Class 150 *(40 05 23 23-0998)*		
40 05 23 23-1014	EA	1/2" Globe Valve, Stainless Steel, Flanged	939.27	36.20
		For Work In Restricted Working Space, Add	*13.58*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-1015	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,037.50	37.71
		For Work In Restricted Working Space, Add	*15.84*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-1016	EA	1" Globe Valve, Stainless Steel, Flanged	1,289.08	56.56
		For Work In Restricted Working Space, Add	*21.35*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1017	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,917.78	83.08
		For Work In Restricted Working Space, Add	*31.15*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-1018	EA	2" Globe Valve, Stainless Steel, Flanged	2,341.31	100.54
		For Work In Restricted Working Space, Add	*37.71*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-1019	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,801.58	109.36
		For Work In Restricted Working Space, Add	*41.14*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1020	EA	3" Globe Valve, Stainless Steel, Flanged	4,954.49	128.22
		For Work In Restricted Working Space, Add	*48.14*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1021	EA	4" Globe Valve, Stainless Steel, Flanged	5,840.77	214.95
		For Work In Restricted Working Space, Add	*80.81*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1022	EA	6" Globe Valve, Stainless Steel, Flanged	10,900.38	271.51
		For Work In Restricted Working Space, Add	*102.18*	
		For Class 300, Add	*9,926.18*	

40 05 23 23-1023 Check Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1024	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,109.72	109.36
		For Work In Restricted Working Space, Add	*41.14*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1025	EA	3" Check Valve, Stainless Steel, Flanged	2,194.57	128.22
		For Work In Restricted Working Space, Add	*48.14*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1026	EA	4" Check Valve, Stainless Steel, Flanged	3,435.02	214.95
		For Work In Restricted Working Space, Add	*80.81*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1027	EA	6" Check Valve, Stainless Steel, Flanged	5,998.39	271.51
		For Work In Restricted Working Space, Add	*102.18*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1028	EA	8" Check Valve, Stainless Steel, Flanged	10,668.85	346.94
		For Work In Restricted Working Space, Add	*129.29*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1029 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1030	EA	1/2", Stainless Steel Thread-o-let Fitting	68.07	21.90
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-1031	EA	3/4", Stainless Steel Thread-o-let Fitting	89.14	29.20
		For Work In Restricted Working Space, Add	*19.46*	
40 05 23 23-1032	EA	1", Stainless Steel Thread-o-let Fitting	109.34	36.20
		For Work In Restricted Working Space, Add	*24.14*	
40 05 23 23-1033	EA	1-1/4", Stainless Steel Thread-o-let Fitting	158.68	51.22
		For Work In Restricted Working Space, Add	*34.15*	
40 05 23 23-1034	EA	1-1/2", Stainless Steel Thread-o-let Fitting	173.21	57.77
		For Work In Restricted Working Space, Add	*38.51*	
40 05 23 23-1035	EA	2", Stainless Steel Thread-o-let Fitting	214.13	73.38
		For Work In Restricted Working Space, Add	*48.92*	
40 05 23 23-1036	EA	2-1/2", Stainless Steel Thread-o-let Fitting	422.65	113.13
		For Work In Restricted Working Space, Add	*75.42*	
40 05 23 23-1037	EA	3", Stainless Steel Thread-o-let Fitting	582.01	144.42
		For Work In Restricted Working Space, Add	*96.28*	
40 05 23 23-1038	EA	4", Stainless Steel Thread-o-let Fitting	788.43	181.01
		For Work In Restricted Working Space, Add	*120.67*	

40 05 23 23-1039 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1040 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

40 05 23 23-1041	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	62.21	12.16
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-1042	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	74.53	16.22
		For Work In Restricted Working Space, Add	*9.73*	
40 05 23 23-1043	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	87.37	20.12
		For Work In Restricted Working Space, Add	*12.07*	
40 05 23 23-1044	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	116.70	28.46
		For Work In Restricted Working Space, Add	*17.08*	
40 05 23 23-1045	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	123.97	32.10
		For Work In Restricted Working Space, Add	*19.26*	
40 05 23 23-1046	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	159.85	40.76
		For Work In Restricted Working Space, Add	*24.46*	
40 05 23 23-1047	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	235.14	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-1048	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	274.97	128.22
		For Work In Restricted Working Space, Add	*48.14*	
40 05 23 23-1049	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	357.71	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-1050 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1051	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	84.11	12.16
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-1052	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	92.22	16.22
		For Work In Restricted Working Space, Add	*9.73*	
40 05 23 23-1053	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	100.00	20.12
		For Work In Restricted Working Space, Add	*12.07*	
40 05 23 23-1054	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	148.71	28.46
		For Work In Restricted Working Space, Add	*17.08*	
40 05 23 23-1055	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	155.98	32.10
		For Work In Restricted Working Space, Add	*19.26*	
40 05 23 23-1056	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	192.68	40.76
		For Work In Restricted Working Space, Add	*24.46*	
40 05 23 23-1057	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	308.39	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-1058	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	349.88	128.22
		For Work In Restricted Working Space, Add	*48.14*	
40 05 23 23-1059	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	473.05	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-1060 150 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1061	EA	1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	78.08	18.08
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-1062	EA	3/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	84.76	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-1063	EA	1", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	95.70	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-1064	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	121.05	23.01
		For Work In Restricted Working Space, Add	*15.35*	
40 05 23 23-1065	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	126.27	25.37
		For Work In Restricted Working Space, Add	*16.91*	
40 05 23 23-1066	EA	2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	140.26	28.26
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-1067	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	197.35	36.14
		For Work In Restricted Working Space, Add	*24.09*	
40 05 23 23-1068	EA	3", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	221.99	42.30
		For Work In Restricted Working Space, Add	*28.21*	
40 05 23 23-1069	EA	4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	291.13	50.69
		For Work In Restricted Working Space, Add	*33.80*	
40 05 23 23-1070	EA	6", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	448.85	63.33
		For Work In Restricted Working Space, Add	*42.22*	
40 05 23 23-1071	EA	8", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	752.42	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-1072	EA	10", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,077.58	138.28
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-1073	EA	12", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,663.08	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1074	EA	14", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,099.95	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1075	EA	16", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,651.95	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-1076	EA	18", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,244.61	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1077	EA	20", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	4,160.73	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-1078	EA	24", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	5,908.49	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-1079 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1080	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	104.19	18.08
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-1081	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	106.66	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-1082	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	110.88	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-1083	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	150.47	23.01
		For Work In Restricted Working Space, Add	*15.35*	
40 05 23 23-1084	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	155.69	25.37
		For Work In Restricted Working Space, Add	*16.91*	
40 05 23 23-1085	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	165.52	28.26
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-1086	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	241.10	36.14
		For Work In Restricted Working Space, Add	*24.09*	
40 05 23 23-1087	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	270.80	42.30
		For Work In Restricted Working Space, Add	*28.21*	
40 05 23 23-1088	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	405.59	50.69
		For Work In Restricted Working Space, Add	*33.80*	
40 05 23 23-1089	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	578.49	63.33
		For Work In Restricted Working Space, Add	*42.22*	
40 05 23 23-1090	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,075.67	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-1091	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,504.40	138.28
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-1092	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,205.25	207.43
		For Work In Restricted Working Space, Add	*138.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1093	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,957.00	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1094	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,676.88	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-1095	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	4,704.08	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1096	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	6,028.06	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-1097	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	8,792.47	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-1098 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1099	EA	1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	114.06	36.17
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-1100	EA	3/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	119.85	38.39
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-1101	EA	1", 150 Lb., Type 304 Stainless Steel Slip-On Flange	131.66	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-1102	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	153.65	46.02
		For Work In Restricted Working Space, Add	*30.69*	
40 05 23 23-1103	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	164.10	50.73
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-1104	EA	2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	192.13	56.52
		For Work In Restricted Working Space, Add	*37.68*	
40 05 23 23-1105	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	254.06	72.27
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-1106	EA	3", 150 Lb., Type 304 Stainless Steel Slip-On Flange	288.24	84.61
		For Work In Restricted Working Space, Add	*56.41*	
40 05 23 23-1107	EA	4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	361.69	101.38
		For Work In Restricted Working Space, Add	*67.59*	
40 05 23 23-1108	EA	6", 150 Lb., Type 304 Stainless Steel Slip-On Flange	489.44	126.67
		For Work In Restricted Working Space, Add	*84.45*	
40 05 23 23-1109	EA	8", 150 Lb., Type 304 Stainless Steel Slip-On Flange	854.13	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1110	EA	10" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,224.95	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-1111	EA	12" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,823.55	414.87
		For Work In Restricted Working Space, Add	*276.59*	

40 05 23 23-1112 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1113	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Neck Slip-On Flange	130.90	36.17
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-1114	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	135.84	38.39
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-1115	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	144.29	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-1116	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	179.75	46.02
		For Work In Restricted Working Space, Add	*30.69*	
40 05 23 23-1117	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	190.20	50.73
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-1118	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	209.77	56.52
		For Work In Restricted Working Space, Add	*37.68*	
40 05 23 23-1119	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	319.75	72.27
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-1120	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	353.89	84.61
		For Work In Restricted Working Space, Add	*56.41*	
40 05 23 23-1121	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	452.59	101.38
		For Work In Restricted Working Space, Add	*67.59*	
40 05 23 23-1122	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	746.19	126.67
		For Work In Restricted Working Space, Add	*84.45*	
40 05 23 23-1123	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,113.39	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1124	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,642.50	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-1125	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,360.65	414.87
		For Work In Restricted Working Space, Add	*276.59*	

40 05 23 23-1126 150 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1127	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	52.01	7.23
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-1128	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	54.09	7.67
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 23-1129	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	58.34	8.44
		For Work In Restricted Working Space, Add	*5.63*	
40 05 23 23-1130	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	77.29	9.39
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-1131	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	84.63	12.69
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-1132	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	101.22	14.09
		For Work In Restricted Working Space, Add	*9.40*	
40 05 23 23-1133	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	139.59	18.12
		For Work In Restricted Working Space, Add	*12.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1134	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	165.85	25.39
		For Work In Restricted Working Space, Add	*16.92*	
40 05 23 23-1135	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	247.23	42.29
		For Work In Restricted Working Space, Add	*28.20*	
40 05 23 23-1136	EA	6", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	344.80	54.39
		For Work In Restricted Working Space, Add	*36.26*	
40 05 23 23-1137	EA	8", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	553.39	64.53
		For Work In Restricted Working Space, Add	*43.02*	
40 05 23 23-1138	EA	10", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	884.29	77.45
		For Work In Restricted Working Space, Add	*51.63*	
40 05 23 23-1139	EA	12", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,179.00	96.81
		For Work In Restricted Working Space, Add	*64.54*	
40 05 23 23-1140	EA	14", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,501.94	121.01
		For Work In Restricted Working Space, Add	*80.67*	
40 05 23 23-1141	EA	16", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,965.57	138.03
		For Work In Restricted Working Space, Add	*92.02*	
40 05 23 23-1142	EA	18", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,309.10	172.86
		For Work In Restricted Working Space, Add	*115.25*	
40 05 23 23-1143	EA	20", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,048.23	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1144	EA	24", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,449.64	345.73
		For Work In Restricted Working Space, Add	*230.49*	

40 05 23 23-1145 300 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1146	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	69.14	7.23
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-1147	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	70.12	7.67
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 23-1148	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	71.82	8.44
		For Work In Restricted Working Space, Add	*5.63*	
40 05 23 23-1149	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	93.27	9.39
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-1150	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	100.61	12.69
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-1151	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	109.63	14.09
		For Work In Restricted Working Space, Add	*9.40*	
40 05 23 23-1152	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	198.51	18.12
		For Work In Restricted Working Space, Add	*12.08*	
40 05 23 23-1153	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	220.99	25.39
		For Work In Restricted Working Space, Add	*16.92*	
40 05 23 23-1154	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	316.23	42.29
		For Work In Restricted Working Space, Add	*28.20*	
40 05 23 23-1155	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	629.32	54.39
		For Work In Restricted Working Space, Add	*36.26*	
40 05 23 23-1156	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	893.48	64.53
		For Work In Restricted Working Space, Add	*43.02*	
40 05 23 23-1157	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,298.44	77.45
		For Work In Restricted Working Space, Add	*51.63*	
40 05 23 23-1158	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,814.58	96.81
		For Work In Restricted Working Space, Add	*64.54*	
40 05 23 23-1159	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,562.01	121.01
		For Work In Restricted Working Space, Add	*80.67*	
40 05 23 23-1160	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,303.94	138.03
		For Work In Restricted Working Space, Add	*92.02*	
40 05 23 23-1161	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,323.33	172.86
		For Work In Restricted Working Space, Add	*115.25*	
40 05 23 23-1162	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,438.00	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1163	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	8,380.23	345.73
		For Work In Restricted Working Space, Add	*230.49*	

40 05 23 23-1164 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

40 05 23 23-1165	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	77.39	12.16
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-1166	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	93.92	16.22
		For Work In Restricted Working Space, Add	*9.73*	
40 05 23 23-1167	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	105.86	20.12
		For Work In Restricted Working Space, Add	*12.07*	
40 05 23 23-1168	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	144.46	28.46
		For Work In Restricted Working Space, Add	*17.08*	
40 05 23 23-1169	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	151.73	32.10
		For Work In Restricted Working Space, Add	*19.26*	
40 05 23 23-1170	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	190.17	40.76
		For Work In Restricted Working Space, Add	*24.46*	
40 05 23 23-1171	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	278.93	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-1172	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	331.38	128.22
		For Work In Restricted Working Space, Add	*48.14*	
40 05 23 23-1173	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	436.83	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-1174 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1175	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	106.00	12.16
		For Work In Restricted Working Space, Add	*7.30*	
40 05 23 23-1176	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	114.11	16.22
		For Work In Restricted Working Space, Add	*9.73*	
40 05 23 23-1177	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	121.89	20.12
		For Work In Restricted Working Space, Add	*12.07*	
40 05 23 23-1178	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	190.80	28.46
		For Work In Restricted Working Space, Add	*17.08*	
40 05 23 23-1179	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	198.07	32.10
		For Work In Restricted Working Space, Add	*19.26*	
40 05 23 23-1180	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	229.71	40.76
		For Work In Restricted Working Space, Add	*24.46*	
40 05 23 23-1181	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	391.72	62.83
		For Work In Restricted Working Space, Add	*37.71*	
40 05 23 23-1182	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	434.91	128.22
		For Work In Restricted Working Space, Add	*48.14*	
40 05 23 23-1183	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	608.55	100.54
		For Work In Restricted Working Space, Add	*60.34*	

40 05 23 23-1184 150 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1185	EA	1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	97.43	18.08
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-1186	EA	3/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	104.15	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-1187	EA	1", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	117.59	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-1188	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	149.66	23.01
		For Work In Restricted Working Space, Add	*15.35*	
40 05 23 23-1189	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	154.88	25.37
		For Work In Restricted Working Space, Add	*16.91*	
40 05 23 23-1190	EA	2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	169.73	28.26
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-1191	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	246.96	36.14
		For Work In Restricted Working Space, Add	*24.09*	
40 05 23 23-1192	EA	3", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	266.59	42.30
		For Work In Restricted Working Space, Add	*28.21*	
40 05 23 23-1193	EA	4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	366.90	50.69
		For Work In Restricted Working Space, Add	*33.80*	
40 05 23 23-1194	EA	6", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	580.19	63.33
		For Work In Restricted Working Space, Add	*42.22*	
40 05 23 23-1195	EA	8", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	955.30	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-1196	EA	10", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,416.01	138.28
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-1197	EA	12", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,110.14	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1198	EA	14", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,470.20	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1199	EA	16", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,135.10	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-1200	EA	18", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,831.54	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1201	EA	20", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	4,891.96	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-1202	EA	24", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	6,944.70	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-1203 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1204	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	129.44	18.08
		For Work In Restricted Working Space, Add	*12.06*	
40 05 23 23-1205	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	131.91	19.20
		For Work In Restricted Working Space, Add	*12.80*	
40 05 23 23-1206	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	136.13	21.10
		For Work In Restricted Working Space, Add	*14.07*	
40 05 23 23-1207	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	185.03	23.01
		For Work In Restricted Working Space, Add	*15.35*	
40 05 23 23-1208	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	190.25	25.37
		For Work In Restricted Working Space, Add	*16.91*	
40 05 23 23-1209	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	207.61	28.26
		For Work In Restricted Working Space, Add	*18.84*	
40 05 23 23-1210	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	313.50	36.14
		For Work In Restricted Working Space, Add	*24.09*	
40 05 23 23-1211	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	339.00	42.30
		For Work In Restricted Working Space, Add	*28.21*	
40 05 23 23-1212	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	531.86	50.69
		For Work In Restricted Working Space, Add	*33.80*	
40 05 23 23-1213	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	890.81	63.33
		For Work In Restricted Working Space, Add	*42.22*	
40 05 23 23-1214	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,394.75	103.72
		For Work In Restricted Working Space, Add	*69.15*	
40 05 23 23-1215	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,021.27	138.28
		For Work In Restricted Working Space, Add	*92.20*	
40 05 23 23-1216	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,964.54	207.43
		For Work In Restricted Working Space, Add	*138.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1217	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	4,061.37	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1218	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	5,075.34	276.06
		For Work In Restricted Working Space, Add	*184.04*	
40 05 23 23-1219	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	6,500.79	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1220	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	8,288.88	484.03
		For Work In Restricted Working Space, Add	*322.68*	
40 05 23 23-1221	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	12,104.82	691.46
		For Work In Restricted Working Space, Add	*460.98*	

40 05 23 23-1222 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1223	EA	1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	124.18	36.17
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-1224	EA	3/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	135.03	38.39
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-1225	EA	1", 150 Lb., Type 316 Stainless Steel Slip-On Flange	149.05	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-1226	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	217.08	46.02
		For Work In Restricted Working Space, Add	*30.69*	
40 05 23 23-1227	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	184.29	50.73
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-1228	EA	2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	197.14	56.52
		For Work In Restricted Working Space, Add	*37.68*	
40 05 23 23-1229	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	250.70	72.27
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-1230	EA	3", 150 Lb., Type 316 Stainless Steel Slip-On Flange	316.85	84.61
		For Work In Restricted Working Space, Add	*56.41*	
40 05 23 23-1231	EA	4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	422.28	101.38
		For Work In Restricted Working Space, Add	*67.59*	
40 05 23 23-1232	EA	6", 150 Lb., Type 316 Stainless Steel Slip-On Flange	579.49	126.67
		For Work In Restricted Working Space, Add	*84.45*	
40 05 23 23-1233	EA	8", 150 Lb., Type 316 Stainless Steel Slip-On Flange	1,040.13	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1234	EA	10" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,479.19	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-1235	EA	12" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,163.63	414.87
		For Work In Restricted Working Space, Add	*276.59*	

40 05 23 23-1236 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1237	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Neck Slip-On Flange	147.74	36.17
		For Work In Restricted Working Space, Add	*24.12*	
40 05 23 23-1238	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	152.68	38.39
		For Work In Restricted Working Space, Add	*25.60*	
40 05 23 23-1239	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	161.13	42.20
		For Work In Restricted Working Space, Add	*28.13*	
40 05 23 23-1240	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	212.58	46.02
		For Work In Restricted Working Space, Add	*30.69*	
40 05 23 23-1241	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	223.03	50.73
		For Work In Restricted Working Space, Add	*33.82*	
40 05 23 23-1242	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	240.81	56.52
		For Work In Restricted Working Space, Add	*37.68*	
40 05 23 23-1243	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	392.96	72.27
		For Work In Restricted Working Space, Add	*48.18*	
40 05 23 23-1244	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	428.80	84.61
		For Work In Restricted Working Space, Add	*56.41*	
40 05 23 23-1245	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	568.75	101.38
		For Work In Restricted Working Space, Add	*67.59*	
40 05 23 23-1246	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	915.41	126.67
		For Work In Restricted Working Space, Add	*84.45*	
40 05 23 23-1247	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,287.66	207.43
		For Work In Restricted Working Space, Add	*138.29*	
40 05 23 23-1248	EA	10" 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,209.88	276.58
		For Work In Restricted Working Space, Add	*184.39*	
40 05 23 23-1249	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,860.68	414.87
		For Work In Restricted Working Space, Add	*276.59*	

40 05 23 23-1250 150 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1251	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	59.87	7.23
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-1252	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	68.42	7.67
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 23-1253	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	77.69	8.44
		For Work In Restricted Working Space, Add	*5.63*	
40 05 23 23-1254	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	92.42	9.39
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-1255	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	99.76	12.69
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-1256	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	126.47	14.09
		For Work In Restricted Working Space, Add	*9.40*	
40 05 23 23-1257	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	179.17	18.12
		For Work In Restricted Working Space, Add	*12.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1258	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	209.64	25.39
		For Work In Restricted Working Space, Add	*16.92*	
40 05 23 23-1259	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	321.29	42.29
		For Work In Restricted Working Space, Add	*28.20*	
40 05 23 23-1260	EA	6", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	463.51	54.39
		For Work In Restricted Working Space, Add	*36.26*	
40 05 23 23-1261	EA	8", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	837.06	64.53
		For Work In Restricted Working Space, Add	*43.02*	
40 05 23 23-1262	EA	10", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,108.22	77.45
		For Work In Restricted Working Space, Add	*51.63*	
40 05 23 23-1263	EA	12", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,824.69	96.81
		For Work In Restricted Working Space, Add	*64.54*	
40 05 23 23-1264	EA	14", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,163.02	121.01
		For Work In Restricted Working Space, Add	*80.67*	
40 05 23 23-1265	EA	16", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,854.93	138.03
		For Work In Restricted Working Space, Add	*92.02*	
40 05 23 23-1266	EA	18", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,341.14	172.86
		For Work In Restricted Working Space, Add	*115.25*	
40 05 23 23-1267	EA	20", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,394.16	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1268	EA	24", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,423.36	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1269		300 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*		
40 05 23 23-1270	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	97.75	7.23
		For Work In Restricted Working Space, Add	*4.82*	
40 05 23 23-1271	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	98.73	7.67
		For Work In Restricted Working Space, Add	*5.12*	
40 05 23 23-1272	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	100.43	8.44
		For Work In Restricted Working Space, Add	*5.63*	
40 05 23 23-1273	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	154.75	9.39
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-1274	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	162.09	12.69
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-1275	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	179.49	14.09
		For Work In Restricted Working Space, Add	*9.40*	
40 05 23 23-1276	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	306.29	18.12
		For Work In Restricted Working Space, Add	*12.08*	
40 05 23 23-1277	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	330.85	25.39
		For Work In Restricted Working Space, Add	*16.92*	
40 05 23 23-1278	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	501.43	42.29
		For Work In Restricted Working Space, Add	*28.20*	
40 05 23 23-1279	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	945.04	54.39
		For Work In Restricted Working Space, Add	*36.26*	
40 05 23 23-1280	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,220.13	64.53
		For Work In Restricted Working Space, Add	*43.02*	
40 05 23 23-1281	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,248.03	77.45
		For Work In Restricted Working Space, Add	*51.63*	
40 05 23 23-1282	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,738.07	96.81
		For Work In Restricted Working Space, Add	*64.54*	
40 05 23 23-1283	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,980.44	121.01
		For Work In Restricted Working Space, Add	*80.67*	
40 05 23 23-1284	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	5,157.91	138.03
		For Work In Restricted Working Space, Add	*92.02*	
40 05 23 23-1285	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,759.97	172.86
		For Work In Restricted Working Space, Add	*115.25*	
40 05 23 23-1286	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	8,469.08	242.01
		For Work In Restricted Working Space, Add	*161.34*	
40 05 23 23-1287	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	13,088.71	345.73
		For Work In Restricted Working Space, Add	*230.49*	
40 05 23 23-1288		Type 316 Seamless Annealed Tubing *(40 05 23 23)*		
		Note: For high-pressure air (8000 PSIG working pressure).		
40 05 23 23-1289		Type 316 Seamless Annealed Tubing *(40 05 23 23-1288)*		
40 05 23 23-1290	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	16.11	
40 05 23 23-1291	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	20.36	
40 05 23 23-1292	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	24.67	
40 05 23 23-1293		Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1288)*		
		Note: Pressure rating 5,000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1294	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	51.02	
40 05 23 23-1295	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	60.00	
40 05 23 23-1296	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	92.45	
40 05 23 23-1297	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	55.42	
40 05 23 23-1298	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	91.28	
40 05 23 23-1299	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	63.96	
40 05 23 23-1300	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	87.30	
40 05 23 23-1301	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	135.00	
40 05 23 23-1302	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	87.28	
40 05 23 23-1303	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	132.01	
40 05 23 23-1304	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	80.20	
40 05 23 23-1305	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	106.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1306	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	181.18	
40 05 23 23-1307	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	152.12	
40 05 23 23-1308	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	184.98	
40 05 23 23-1309		Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1288)*		
40 05 23 23-1310		Needle Valves *(40 05 23 23-1309)*		
40 05 23 23-1311	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	396.75	
40 05 23 23-1312	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	642.05	
40 05 23 23-1313		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1309)*		
40 05 23 23-1314	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	382.70	
40 05 23 23-1315		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1309)*		
40 05 23 23-1316	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,660.00	
40 05 23 23-1317	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	399.01	
40 05 23 23-1318	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	66.79	

40 05 31 Thermoplastic Process Pipe *(40 05)*

40 05 31 43 Polypropylene Process Pipe *(40 05 31)*

40 05 31 43-0001		Polypropylene (PP) Lined Steel Piping System *(40 05 31 43)*		
40 05 31 43-0002		Polypropylene (PP) Lined Pipe And Fittings *(40 05 31 43-0001)*		
40 05 31 43-0003		Pipe *(40 05 31 43-0002)*		
40 05 31 43-0004	LF	3/4" Polypropylene (PP) Lined Pipe	80.20	1.45
40 05 31 43-0005	LF	1" Polypropylene (PP) Lined Pipe	80.45	1.60
40 05 31 43-0006	LF	1-1/4" Polypropylene (PP) Lined Pipe	109.33	1.74
40 05 31 43-0007	LF	1-1/2" Polypropylene (PP) Lined Pipe	109.40	1.74
40 05 31 43-0008	LF	2" Polypropylene (PP) Lined Pipe	104.66	2.09
40 05 31 43-0009	LF	2-1/2" Polypropylene (PP) Lined Pipe	154.10	2.50
40 05 31 43-0010	LF	3" Polypropylene (PP) Lined Pipe	183.97	2.99
40 05 31 43-0011	LF	4" Polypropylene (PP) Lined Pipe	271.19	4.52
40 05 31 43-0012	LF	6" Polypropylene (PP) Lined Pipe	469.07	5.97
40 05 31 43-0013	LF	8" Polypropylene (PP) Lined Pipe	730.54	7.15
40 05 31 43-0014		90 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0015	EA	3/4" 90 Degree Elbow, Polypropylene (PP) Lined	620.89	5.97
40 05 31 43-0016	EA	1" 90 Degree Elbow, Polypropylene (PP) Lined	624.48	7.44
40 05 31 43-0017	EA	1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined	651.90	10.49
40 05 31 43-0018	EA	1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	655.24	11.81
40 05 31 43-0019	EA	2" 90 Degree Elbow, Polypropylene (PP) Lined	753.42	15.00
40 05 31 43-0020	EA	2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	951.82	22.22
40 05 31 43-0021	EA	3" 90 Degree Elbow, Polypropylene (PP) Lined	1,149.74	29.23
40 05 31 43-0022	EA	4" 90 Degree Elbow, Polypropylene (PP) Lined	1,710.23	34.73
40 05 31 43-0023	EA	6" 90 Degree Elbow, Polypropylene (PP) Lined	2,675.26	39.66
40 05 31 43-0024	EA	8" 90 Degree Elbow, Polypropylene (PP) Lined	4,200.46	50.00
40 05 31 43-0025		45 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0026	EA	3/4" 45 Degree Elbow, Polypropylene (PP) Lined	547.80	5.97
40 05 31 43-0027	EA	1" 45 Degree Elbow, Polypropylene (PP) Lined	551.39	7.44
40 05 31 43-0028	EA	1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined	623.85	10.49
40 05 31 43-0029	EA	1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	627.19	11.81
40 05 31 43-0030	EA	2" 45 Degree Elbow, Polypropylene (PP) Lined	720.56	15.00
40 05 31 43-0031	EA	2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	962.32	22.22
40 05 31 43-0032	EA	3" 45 Degree Elbow, Polypropylene (PP) Lined	1,200.67	29.23
40 05 31 43-0033	EA	4" 45 Degree Elbow, Polypropylene (PP) Lined	1,579.44	34.73
40 05 31 43-0034	EA	6" 45 Degree Elbow, Polypropylene (PP) Lined	2,769.46	39.66
40 05 31 43-0035	EA	8" 45 Degree Elbow, Polypropylene (PP) Lined	4,237.41	46.32
40 05 31 43-0036		Tees *(40 05 31 43-0002)*		
40 05 31 43-0037	EA	3/4" Tee, Polypropylene (PP) Lined	836.98	8.96
40 05 31 43-0038	EA	1" Tee, Polypropylene (PP) Lined	844.13	11.81
40 05 31 43-0039	EA	1-1/4" Tee, Polypropylene (PP) Lined	994.79	15.00
40 05 31 43-0040	EA	1-1/2" Tee, Polypropylene (PP) Lined	1,002.06	17.92
40 05 31 43-0041	EA	2" Tee, Polypropylene (PP) Lined	1,143.97	22.22
40 05 31 43-0042	EA	2-1/2" Tee, Polypropylene (PP) Lined	1,340.99	29.23
40 05 31 43-0043	EA	3" Tee, Polypropylene (PP) Lined	1,534.18	34.73
40 05 31 43-0044	EA	4" Tee, Polypropylene (PP) Lined	2,002.63	46.32
40 05 31 43-0045	EA	6" Tee, Polypropylene (PP) Lined	2,733.39	59.73
40 05 31 43-0046	EA	8" Tee, Polypropylene (PP) Lined	5,229.05	74.03
40 05 31 43-0047		Crosses *(40 05 31 43-0002)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0048	EA	3/4" Cross, Polypropylene (PP) Lined	1,196.47	11.94
40 05 31 43-0049	EA	1" Cross, Polypropylene (PP) Lined	1,204.10	15.00
40 05 31 43-0050	EA	1-1/4" Cross, Polypropylene (PP) Lined	1,467.54	21.12
40 05 31 43-0051	EA	1-1/2" Cross, Polypropylene (PP) Lined	1,473.87	23.61
40 05 31 43-0052	EA	2" Cross, Polypropylene (PP) Lined	1,663.79	30.01
40 05 31 43-0053	EA	2-1/2" Cross, Polypropylene (PP) Lined	1,922.47	44.45
40 05 31 43-0054	EA	3" Cross, Polypropylene (PP) Lined	2,548.62	58.33
40 05 31 43-0055	EA	4" Cross, Polypropylene (PP) Lined	2,857.03	69.45
40 05 31 43-0056	EA	6" Cross, Polypropylene (PP) Lined	5,032.01	79.45
40 05 31 43-0057	EA	8" Cross, Polypropylene (PP) Lined	6,375.58	92.71
40 05 31 43-0058		**Reducers** *(40 05 31 43-0002)*		
40 05 31 43-0059	EA	1" Reducer, Polypropylene (PP) Lined	1,107.90	7.44
40 05 31 43-0060	EA	1-1/4" Reducer, Polypropylene (PP) Lined	1,115.59	10.49
40 05 31 43-0061	EA	1-1/2" Reducer, Polypropylene (PP) Lined	1,118.93	11.81
40 05 31 43-0062	EA	2" Reducer, Polypropylene (PP) Lined	1,317.02	15.00
40 05 31 43-0063	EA	2-1/2" Reducer, Polypropylene (PP) Lined	1,517.82	22.22
40 05 31 43-0064	EA	3" Reducer, Polypropylene (PP) Lined	1,688.90	29.23
40 05 31 43-0065	EA	4" Reducer, Polypropylene (PP) Lined	2,207.09	34.73
40 05 31 43-0066	EA	6" Reducer, Polypropylene (PP) Lined	3,056.63	39.66
40 05 31 43-0067	EA	8" Reducer, Polypropylene (PP) Lined	4,963.15	46.32
40 05 31 43-0068		**Unions** *(40 05 31 43-0002)*		
40 05 31 43-0069	EA	3/4" Union, Polypropylene (PP) Lined	911.72	8.96
40 05 31 43-0070	EA	1" Union, Polypropylene (PP) Lined	1,045.90	11.81
40 05 31 43-0071	EA	1-1/4" Union, Polypropylene (PP) Lined	2,052.09	15.00
40 05 31 43-0072	EA	1-1/2" Union, Polypropylene (PP) Lined	2,324.35	17.92
40 05 31 43-0073	EA	2" Union, Polypropylene (PP) Lined	3,144.56	22.22
40 05 31 43-0074	EA	2-1/2" Union, Polypropylene (PP) Lined	4,574.10	29.23
40 05 31 43-0075	EA	3" Union, Polypropylene (PP) Lined	5,840.11	34.73
40 05 31 43-0076	EA	4" Union, Polypropylene (PP) Lined	9,070.54	46.32
40 05 31 43-0077	EA	6" Union, Polypropylene (PP) Lined	12,153.20	59.73
40 05 31 43-0078	EA	8" Union, Polypropylene (PP) Lined	19,989.50	74.03
40 05 31 43-0079		**Blind Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0080	EA	3/4" Blind Flanges, Polypropylene (PP) Lined	171.82	8.96
40 05 31 43-0081	EA	1" Blind Flange, Polypropylene (PP) Lined	178.97	11.81
40 05 31 43-0082	EA	1-1/4" Blind Flange, Polypropylene (PP) Lined	200.97	15.00
40 05 31 43-0083	EA	1-1/2" Blind Flange, Polypropylene (PP) Lined	208.24	17.92
40 05 31 43-0084	EA	2" Blind Flange, Polypropylene (PP) Lined	237.67	22.22
40 05 31 43-0085	EA	2-1/2" Blind Flange, Polypropylene (PP) Lined	297.23	29.23
40 05 31 43-0086	EA	3" Blind Flange, Polypropylene (PP) Lined	352.96	34.73
40 05 31 43-0087	EA	4" Blind Flange, Polypropylene (PP) Lined	442.61	46.32
40 05 31 43-0088	EA	6" Blind Flange, Polypropylene (PP) Lined	672.26	59.73
40 05 31 43-0089	EA	8" Blind Flange, Polypropylene (PP) Lined	1,011.58	74.03
40 05 31 43-0090		**Filler Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0091	EA	1" Filler Flange, Polypropylene (PP) Lined	659.92	11.81
40 05 31 43-0092	EA	1-1/4" Filler Flange, Polypropylene (PP) Lined	826.66	15.00
40 05 31 43-0093	EA	1-1/2" Filler Flange, Polypropylene (PP) Lined	922.65	17.92
40 05 31 43-0094	EA	2" Filler Flange, Polypropylene (PP) Lined	1,054.81	22.22
40 05 31 43-0095	EA	2-1/2" Filler Flange, Polypropylene (PP) Lined	1,217.10	29.23
40 05 31 43-0096	EA	3" Filler Flange, Polypropylene (PP) Lined	1,375.56	34.73
40 05 31 43-0097	EA	4" Filler Flange, Polypropylene (PP) Lined	1,708.01	46.32
40 05 31 43-0098	EA	6" Filler Flange, Polypropylene (PP) Lined	2,339.23	59.73
40 05 31 43-0099	EA	8" Filler Flange, Polypropylene (PP) Lined	3,290.24	74.03
40 05 31 43-0100		**Polypropylene (PP) Lined Gate Valves** *(40 05 31 43-0001)*		
40 05 31 43-0101	EA	1" Flanged Gate Valve, Polypropylene (PP) Lined	1,947.26	58.49
40 05 31 43-0102	EA	1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined	2,197.70	65.80
40 05 31 43-0103	EA	1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	2,481.19	72.92
40 05 31 43-0104	EA	2" Flanged Gate Valve, Polypropylene (PP) Lined	2,938.56	92.57
40 05 31 43-0105	EA	2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	3,886.70	105.40
40 05 31 43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined	4,834.82	118.21
40 05 31 43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined	6,091.99	198.42
40 05 31 43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined	9,892.70	250.91
40 05 31 43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined	20,923.41	317.47
40 05 31 43-0110		**Polypropylene (PP) Lined Check Valves** *(40 05 31 43-0001)*		
40 05 31 43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined	2,210.12	58.49
40 05 31 43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined	2,494.39	65.80
40 05 31 43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined	2,816.36	72.92
40 05 31 43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined	3,334.47	92.57
40 05 31 43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined	4,413.33	105.40
40 05 31 43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined	5,492.19	118.21
40 05 31 43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined	6,911.60	198.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined	11,236.17	250.91
40 05 31 43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined	23,802.28	317.47
40 05 31 43-0120		**Polypropylene (PP) Lined Plug Valves** *(40 05 31 43-0001)*		
40 05 31 43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined	1,932.62	58.49
40 05 31 43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined	2,182.41	65.80
40 05 31 43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	2,461.36	72.92
40 05 31 43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined	2,915.97	92.57
40 05 31 43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	3,858.10	105.40
40 05 31 43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined	4,800.21	118.21
40 05 31 43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined	6,049.01	198.42
40 05 31 43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined	9,822.72	250.91
40 05 31 43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined	19,641.07	317.47
40 05 31 53		**PVDF Process Pipe** *(40 05 31)*		
40 05 31 53-0001		**Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System** *(40 05 31 53)*		
40 05 31 53-0002		**Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings** *(40 05 31 53-0001)*		
40 05 31 53-0003		**Pipe** *(40 05 31 53-0002)*		
40 05 31 53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	75.89	1.45
40 05 31 53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	76.14	1.60
40 05 31 53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	85.41	1.74
40 05 31 53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	85.48	1.74
40 05 31 53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	93.96	2.09
40 05 31 53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	120.92	2.50
40 05 31 53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	146.88	2.99
40 05 31 53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	205.30	4.52
40 05 31 53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	330.95	5.97
40 05 31 53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	516.72	7.15
40 05 31 53-0014		**90 Degree Elbows** *(40 05 31 53-0002)*		
40 05 31 53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	428.41	5.97
40 05 31 53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	432.00	7.44
40 05 31 53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	532.71	10.49
40 05 31 53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	536.05	11.81
40 05 31 53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	636.15	15.00
40 05 31 53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	764.82	22.22
40 05 31 53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	885.46	29.23
40 05 31 53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,389.08	34.73
40 05 31 53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,250.15	39.66
40 05 31 53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,731.37	50.00
40 05 31 53-0025		**45 Degree Elbows** *(40 05 31 53-0002)*		
40 05 31 53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	514.96	5.97
40 05 31 53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	518.55	7.44
40 05 31 53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	571.56	10.49
40 05 31 53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	574.90	11.81
40 05 31 53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	693.53	15.00
40 05 31 53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	795.94	22.22
40 05 31 53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,006.79	29.23
40 05 31 53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,450.08	34.73
40 05 31 53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,415.52	39.66
40 05 31 53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,187.27	46.32
40 05 31 53-0036		**Tees** *(40 05 31 53-0002)*		
40 05 31 53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	689.56	8.96
40 05 31 53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	696.71	11.81
40 05 31 53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	778.59	15.00
40 05 31 53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	785.86	17.92
40 05 31 53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	951.45	22.22
40 05 31 53-0042	EA	2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,225.24	29.23
40 05 31 53-0043	EA	3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,263.87	34.73
40 05 31 53-0044	EA	4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,915.29	46.32
40 05 31 53-0045	EA	6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,942.03	59.73
40 05 31 53-0046	EA	8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,443.57	74.03
40 05 31 53-0047		**Crosses** *(40 05 31 53-0002)*		
40 05 31 53-0048	EA	3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	964.22	11.94
40 05 31 53-0049	EA	1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	971.86	15.00
40 05 31 53-0050	EA	1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,129.75	21.12
40 05 31 53-0051	EA	1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,136.08	23.61
40 05 31 53-0052	EA	2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,404.42	30.01
40 05 31 53-0053	EA	2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,608.19	44.45
40 05 31 53-0054	EA	3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,924.60	58.33
40 05 31 53-0055	EA	4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,931.54	69.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0056	EA	6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,529.48	79.45
40 05 31 53-0057	EA	8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,736.82	92.71
40 05 31 53-0058		**Reducers** *(40 05 31 53-0002)*		
40 05 31 53-0059	EA	1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	665.06	7.44
40 05 31 53-0060	EA	1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	672.75	10.49
40 05 31 53-0061	EA	1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	676.09	11.81
40 05 31 53-0062	EA	2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	700.40	15.00
40 05 31 53-0063	EA	2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	760.26	22.22
40 05 31 53-0064	EA	3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	909.93	29.23
40 05 31 53-0065	EA	4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,164.20	34.73
40 05 31 53-0066	EA	6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,919.37	39.66
40 05 31 53-0067	EA	8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,903.33	46.32
40 05 31 53-0068		**Unions** *(40 05 31 53-0002)*		
40 05 31 53-0069	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	961.82	8.96
40 05 31 53-0070	EA	1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,103.16	11.81
40 05 31 53-0071	EA	1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,165.58	15.00
40 05 31 53-0072	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,452.78	17.92
40 05 31 53-0073	EA	2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,318.58	22.22
40 05 31 53-0074	EA	2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,827.67	29.23
40 05 31 53-0075	EA	3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,164.24	34.73
40 05 31 53-0076	EA	4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	9,575.03	46.32
40 05 31 53-0077	EA	6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	12,829.41	59.73
40 05 31 53-0078	EA	8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	21,105.24	74.03
40 05 31 53-0079		**Blind Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0080	EA	3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined	134.46	8.96
40 05 31 53-0081	EA	1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	141.61	11.81
40 05 31 53-0082	EA	1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	160.11	15.00
40 05 31 53-0083	EA	1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	167.38	17.92
40 05 31 53-0084	EA	2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	192.14	22.22
40 05 31 53-0085	EA	2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	241.20	29.23
40 05 31 53-0086	EA	3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	286.43	34.73
40 05 31 53-0087	EA	4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	360.89	46.32
40 05 31 53-0088	EA	6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	541.52	59.73
40 05 31 53-0089	EA	8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	804.96	74.03
40 05 31 53-0090		**Filler Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0091	EA	1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	362.24	11.81
40 05 31 53-0092	EA	1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	408.76	15.00
40 05 31 53-0093	EA	1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	458.05	17.92
40 05 31 53-0094	EA	2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	559.85	22.22
40 05 31 53-0095	EA	2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	696.46	29.23
40 05 31 53-0096	EA	3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	832.74	34.73
40 05 31 53-0097	EA	4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,057.80	46.32
40 05 31 53-0098	EA	6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,329.47	59.73
40 05 31 53-0099	EA	8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,055.19	74.03
40 05 31 53-0100		**Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves** *(40 05 31 53-0001)*		
40 05 31 53-0101	EA	1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,052.85	58.49
40 05 31 53-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,316.88	65.80
40 05 31 53-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,615.82	72.92
40 05 31 53-0104	EA	2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,097.59	92.60
40 05 31 53-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,098.24	105.40
40 05 31 53-0106	EA	3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,098.88	118.21
40 05 31 53-0107	EA	4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,421.22	198.42
40 05 31 53-0108	EA	6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,432.37	250.91
40 05 31 53-0109	EA	8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	22,079.84	317.47
40 05 31 53-0110		**Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves** *(40 05 31 53-0001)*		
40 05 31 53-0111	EA	1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,330.51	58.49
40 05 31 53-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,630.29	65.80
40 05 31 53-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,969.88	72.92
40 05 31 53-0114	EA	2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,515.80	92.60
40 05 31 53-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,654.55	105.40
40 05 31 53-0116	EA	3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,793.28	118.21
40 05 31 53-0117	EA	4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,287.02	198.42
40 05 31 53-0118	EA	6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	11,851.53	250.91
40 05 31 53-0119	EA	8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	25,120.89	317.47
40 05 31 53-0120		**Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves** *(40 05 31 53-0001)*		
40 05 31 53-0121	EA	1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,037.39	58.49
40 05 31 53-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,300.73	65.80
40 05 31 53-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,594.88	72.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0124	EA	2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,073.73	92.60
40 05 31 53-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,068.03	105.40
40 05 31 53-0126	EA	3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,062.32	118.21
40 05 31 53-0127	EA	4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,375.82	198.42
40 05 31 53-0128	EA	6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,358.44	250.91
40 05 31 53-0129	EA	8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	20,725.26	317.47

40 05 31 56 Polyvinylidene Chloride (PVDC) Process Pipe *(40 05 31)*

40 05 31 56-0001 Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System *(40 05 31 56)*

40 05 31 56-0002 Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings *(40 05 31 56-0001)*

40 05 31 56-0003 Pipe *(40 05 31 56-0002)*

40 05 31 56-0004	LF	3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	51.83	1.45
40 05 31 56-0005	LF	1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	52.08	1.60
40 05 31 56-0006	LF	1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	58.36	1.74
40 05 31 56-0007	LF	1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	58.43	1.74
40 05 31 56-0008	LF	2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	64.37	2.09
40 05 31 56-0009	LF	2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	84.02	2.50
40 05 31 56-0010	LF	3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	100.41	2.99
40 05 31 56-0011	LF	4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	140.60	4.52
40 05 31 56-0012	LF	6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	225.61	5.97
40 05 31 56-0013	LF	8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	350.42	7.15

40 05 31 56-0014 90 Degree Elbows *(40 05 31 56-0002)*

40 05 31 56-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	374.47	5.97
40 05 31 56-0016	EA	1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	378.06	7.44
40 05 31 56-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	466.63	10.49
40 05 31 56-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	469.97	11.81
40 05 31 56-0019	EA	2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	558.08	15.00
40 05 31 56-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	672.29	22.22
40 05 31 56-0021	EA	3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	779.48	29.23
40 05 31 56-0022	EA	4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,219.23	34.73
40 05 31 56-0023	EA	6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,969.58	39.66
40 05 31 56-0024	EA	8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,260.95	50.00

40 05 31 56-0025 45 Degree Elbows *(40 05 31 56-0002)*

40 05 31 56-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	449.74	5.97
40 05 31 56-0027	EA	1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	453.33	7.44
40 05 31 56-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	500.43	10.49
40 05 31 56-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	503.77	11.81
40 05 31 56-0030	EA	2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	607.95	15.00
40 05 31 56-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	699.37	22.22
40 05 31 56-0032	EA	3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	884.97	29.23
40 05 31 56-0033	EA	4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,272.27	34.73
40 05 31 56-0034	EA	6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,113.39	39.66
40 05 31 56-0035	EA	8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,786.63	46.32

40 05 31 56-0036 Tees *(40 05 31 56-0002)*

40 05 31 56-0037	EA	3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	603.38	8.96
40 05 31 56-0038	EA	1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	609.67	11.81
40 05 31 56-0039	EA	1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	681.91	15.00
40 05 31 56-0040	EA	1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	689.18	17.92
40 05 31 56-0041	EA	2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	834.60	22.22
40 05 31 56-0042	EA	2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,074.96	29.23
40 05 31 56-0043	EA	3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,110.34	34.73
40 05 31 56-0044	EA	4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,680.55	46.32
40 05 31 56-0045	EA	6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	2,577.74	59.73
40 05 31 56-0046	EA	8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	3,888.10	74.03

40 05 31 56-0047 Crosses *(40 05 31 56-0002)*

40 05 31 56-0048	EA	3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	842.33	11.94
40 05 31 56-0049	EA	1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	849.97	15.00
40 05 31 56-0050	EA	1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	989.26	21.12
40 05 31 56-0051	EA	1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	995.59	23.61
40 05 31 56-0052	EA	2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,231.02	30.01
40 05 31 56-0053	EA	2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,412.90	44.45
40 05 31 56-0054	EA	3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,692.58	58.33
40 05 31 56-0055	EA	4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	2,571.81	69.45
40 05 31 56-0056	EA	6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	3,964.60	79.45
40 05 31 56-0057	EA	8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	8,301.69	92.71

40 05 31 56-0058 Reducers *(40 05 31 56-0002)*

40 05 31 56-0059	EA	1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	552.62	7.44
40 05 31 56-0060	EA	1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	588.40	10.49
40 05 31 56-0061	EA	1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	591.74	11.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0062	EA	2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	613.93	15.00
40 05 31 56-0063	EA	2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	760.26	22.22
40 05 31 56-0064	EA	3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	800.78	29.23
40 05 31 56-0065	EA	4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,023.67	34.73
40 05 31 56-0066	EA	6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,681.94	39.66
40 05 31 56-0067	EA	8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	2,539.72	46.32
40 05 31 56-0068		**Unions** *(40 05 31 56-0002)*		
40 05 31 56-0069	EA	3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	836.57	8.96
40 05 31 56-0070	EA	1" Union, Polyvinylidene Chloride (PVDC) Saran Lined	960.01	11.81
40 05 31 56-0071	EA	1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,881.84	15.00
40 05 31 56-0072	EA	1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,131.72	17.92
40 05 31 56-0073	EA	2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,883.51	22.22
40 05 31 56-0074	EA	2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	4,193.73	29.23
40 05 31 56-0075	EA	3" Union, Polyvinylidene Chloride (PVDC) Saran Lined	5,353.92	34.73
40 05 31 56-0076	EA	4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	8,313.80	46.32
40 05 31 56-0077	EA	6" Union, Polyvinylidene Chloride (PVDC) Saran Lined	11,138.73	59.73
40 05 31 56-0078	EA	8" Union, Polyvinylidene Chloride (PVDC) Saran Lined	18,315.89	74.03
40 05 31 56-0079		**Blind Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0080	EA	3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined	119.52	8.96
40 05 31 56-0081	EA	1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	126.67	11.81
40 05 31 56-0082	EA	1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	143.77	15.00
40 05 31 56-0083	EA	1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	151.04	17.92
40 05 31 56-0084	EA	2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	173.93	22.22
40 05 31 56-0085	EA	2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	218.78	29.23
40 05 31 56-0086	EA	3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	259.81	34.73
40 05 31 56-0087	EA	4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	328.21	46.32
40 05 31 56-0088	EA	6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	489.22	59.73
40 05 31 56-0089	EA	8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	722.31	74.03
40 05 31 56-0090		**Filler Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0091	EA	1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	317.88	11.81
40 05 31 56-0092	EA	1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	359.26	15.00
40 05 31 56-0093	EA	1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	402.95	17.92
40 05 31 56-0094	EA	2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	492.61	22.22
40 05 31 56-0095	EA	2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	613.35	29.23
40 05 31 56-0096	EA	3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	733.29	34.73
40 05 31 56-0097	EA	4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	932.19	46.32
40 05 31 56-0098	EA	6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,172.12	59.73
40 05 31 56-0099	EA	8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,805.84	74.03
40 05 31 56-0100		**Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves** *(40 05 31 56-0001)*		
40 05 31 56-0101	EA	1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,788.88	58.49
40 05 31 56-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,018.93	65.80
40 05 31 56-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,279.23	72.92
40 05 31 56-0104	EA	2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,700.02	92.60
40 05 31 56-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,569.38	105.40
40 05 31 56-0106	EA	3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,438.73	118.21
40 05 31 56-0107	EA	4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,598.13	198.42
40 05 31 56-0108	EA	6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,083.20	250.91
40 05 31 56-0109	EA	8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	19,188.77	317.47
40 05 31 56-0110		**Polyvinylidene Chloride (PVDC) Saran Lined Check Valves** *(40 05 31 56-0001)*		
40 05 31 56-0111	EA	1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,029.52	58.49
40 05 31 56-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,290.55	65.80
40 05 31 56-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,586.08	72.92
40 05 31 56-0114	EA	2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,062.46	92.60
40 05 31 56-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,051.51	105.40
40 05 31 56-0116	EA	3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,040.55	118.21
40 05 31 56-0117	EA	4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	6,348.48	198.42
40 05 31 56-0118	EA	6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	10,313.14	250.91
40 05 31 56-0119	EA	8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	21,824.35	317.47
40 05 31 56-0120		**Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves** *(40 05 31 56-0001)*		
40 05 31 56-0121	EA	1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,775.48	58.49
40 05 31 56-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,004.93	65.80
40 05 31 56-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,261.08	72.92
40 05 31 56-0124	EA	2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,679.33	92.60
40 05 31 56-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,543.19	105.40
40 05 31 56-0126	EA	3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,407.05	118.21
40 05 31 56-0127	EA	4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,558.79	198.42
40 05 31 56-0128	EA	6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,019.14	250.91
40 05 31 56-0129	EA	8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	18,014.80	317.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 38 PTFE Process Pipe *(40 05)*

40 05 38 00-0001 Polytetrafluoroethylene (PTFE) Lined Steel Piping System *(40 05 38)*

40 05 38 00-0002 Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings *(40 05 38 00-0001)*

40 05 38 00-0003 Polytetrafluoroethylene (PTFE) Lined Pipe *(40 05 38 00-0002)*

40 05 38 00-0004	LF	3/4" Polytetrafluoroethylene (PTFE) Lined Pipe	150.06	1.45
40 05 38 00-0005	LF	1" Polytetrafluoroethylene (PTFE) Lined Pipe	225.02	1.60
40 05 38 00-0006	LF	1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe	251.37	1.74
40 05 38 00-0007	LF	1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	277.50	1.74
40 05 38 00-0008	LF	2" Polytetrafluoroethylene (PTFE) Lined Pipe	303.60	2.09
40 05 38 00-0009	LF	2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	400.92	2.50
40 05 38 00-0010	LF	3" Polytetrafluoroethylene (PTFE) Lined Pipe	481.79	2.99
40 05 38 00-0011	LF	4" Polytetrafluoroethylene (PTFE) Lined Pipe	694.24	4.52
40 05 38 00-0012	LF	6" Polytetrafluoroethylene (PTFE) Lined Pipe	1,303.68	5.97
40 05 38 00-0013	LF	8" Polytetrafluoroethylene (PTFE) Lined Pipe	2,333.82	7.15

40 05 38 00-0014 90 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0015	EA	3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,018.85	5.97
40 05 38 00-0016	EA	1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,022.44	7.44
40 05 38 00-0017	EA	1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,062.81	10.49
40 05 38 00-0018	EA	1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,066.15	11.81
40 05 38 00-0019	EA	2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,223.56	15.00
40 05 38 00-0020	EA	2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,540.42	22.22
40 05 38 00-0021	EA	3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,856.80	29.23
40 05 38 00-0022	EA	4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,776.37	34.73
40 05 38 00-0023	EA	6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	4,367.02	39.66
40 05 38 00-0024	EA	8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,876.92	50.00

40 05 38 00-0025 45 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0026	EA	3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	860.09	5.97
40 05 38 00-0027	EA	1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	863.68	7.44
40 05 38 00-0028	EA	1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	974.09	10.49
40 05 38 00-0029	EA	1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	977.43	11.81
40 05 38 00-0030	EA	2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,120.84	15.00
40 05 38 00-0031	EA	2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,493.73	22.22
40 05 38 00-0032	EA	3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,861.47	29.23
40 05 38 00-0033	EA	4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,454.18	34.73
40 05 38 00-0034	EA	6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	4,334.33	39.66
40 05 38 00-0035	EA	8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,652.88	46.32

40 05 38 00-0036 Tees *(40 05 38 00-0002)*

40 05 38 00-0037	EA	3/4" Tee, Polytetrafluoroethylene (PTFE) Lined	1,675.36	8.96
40 05 38 00-0038	EA	1" Tee, Polytetrafluoroethylene (PTFE) Lined	1,682.51	11.81
40 05 38 00-0039	EA	1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined	1,980.00	15.00
40 05 38 00-0040	EA	1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	1,987.27	17.92
40 05 38 00-0041	EA	2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,264.18	22.22
40 05 38 00-0042	EA	2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,645.93	29.23
40 05 38 00-0043	EA	3" Tee, Polytetrafluoroethylene (PTFE) Lined	3,023.85	34.73
40 05 38 00-0044	EA	4" Tee, Polytetrafluoroethylene (PTFE) Lined	3,944.64	46.32
40 05 38 00-0045	EA	6" Tee, Polytetrafluoroethylene (PTFE) Lined	5,393.00	59.73
40 05 38 00-0046	EA	8" Tee, Polytetrafluoroethylene (PTFE) Lined	10,420.37	74.03

40 05 38 00-0047 Crosses *(40 05 38 00-0002)*

40 05 38 00-0048	EA	3/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,378.57	11.94
40 05 38 00-0049	EA	1" Cross, Polytetrafluoroethylene (PTFE) Lined	2,386.20	15.00
40 05 38 00-0050	EA	1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,901.10	21.12
40 05 38 00-0051	EA	1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	2,907.43	23.61
40 05 38 00-0052	EA	2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,273.60	30.01
40 05 38 00-0053	EA	2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,757.89	44.45
40 05 38 00-0054	EA	3" Cross, Polytetrafluoroethylene (PTFE) Lined	4,983.32	58.33
40 05 38 00-0055	EA	4" Cross, Polytetrafluoroethylene (PTFE) Lined	5,576.09	69.45
40 05 38 00-0056	EA	6" Cross, Polytetrafluoroethylene (PTFE) Lined	9,929.61	79.45
40 05 38 00-0057	EA	8" Cross, Polytetrafluoroethylene (PTFE) Lined	12,600.99	92.71

40 05 38 00-0058 Reducers *(40 05 38 00-0002)*

40 05 38 00-0059	EA	1" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,409.99	7.44
40 05 38 00-0060	EA	1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,417.68	10.49
40 05 38 00-0061	EA	1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,421.02	11.81
40 05 38 00-0062	EA	2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,671.82	15.00
40 05 38 00-0063	EA	2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,923.31	22.22
40 05 38 00-0064	EA	3" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,136.96	29.23
40 05 38 00-0065	EA	4" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,795.05	34.73
40 05 38 00-0066	EA	6" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,876.74	39.66
40 05 38 00-0067	EA	8" Reducer, Polytetrafluoroethylene (PTFE) Lined	6,307.34	46.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0068		**Unions** *(40 05 38 00-0002)*		
40 05 38 00-0069	EA	3/4" Union, Polytetrafluoroethylene (PTFE) Lined	1,274.96	8.96
40 05 38 00-0070	EA	1" Union, Polytetrafluoroethylene (PTFE) Lined	1,461.03	11.81
40 05 38 00-0071	EA	1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined	2,874.93	15.00
40 05 38 00-0072	EA	1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	3,255.44	17.92
40 05 38 00-0073	EA	2" Union, Polytetrafluoroethylene (PTFE) Lined	4,406.26	22.22
40 05 38 00-0074	EA	2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	6,412.53	29.23
40 05 38 00-0075	EA	3" Union, Polytetrafluoroethylene (PTFE) Lined	8,190.05	34.73
40 05 38 00-0076	EA	4" Union, Polytetrafluoroethylene (PTFE) Lined	12,728.13	46.32
40 05 38 00-0077	EA	6" Union, Polytetrafluoroethylene (PTFE) Lined	17,056.18	59.73
40 05 38 00-0078	EA	8" Union, Polytetrafluoroethylene (PTFE) Lined	28,078.62	74.03
40 05 38 00-0079		**Blind Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0080	EA	3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined	171.82	8.96
40 05 38 00-0081	EA	1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	178.97	11.81
40 05 38 00-0082	EA	1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	200.97	15.00
40 05 38 00-0083	EA	1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	208.24	17.92
40 05 38 00-0084	EA	2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	237.67	22.22
40 05 38 00-0085	EA	2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	297.23	29.23
40 05 38 00-0086	EA	3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	352.96	34.73
40 05 38 00-0087	EA	4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	442.61	46.32
40 05 38 00-0088	EA	6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	672.26	59.73
40 05 38 00-0089	EA	8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	1,011.58	74.03
40 05 38 00-0090		**Filler Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0091	EA	1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	473.14	11.81
40 05 38 00-0092	EA	1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	532.49	15.00
40 05 38 00-0093	EA	1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	595.80	17.92
40 05 38 00-0094	EA	2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	727.95	22.22
40 05 38 00-0095	EA	2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	904.25	29.23
40 05 38 00-0096	EA	3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,081.39	34.73
40 05 38 00-0097	EA	4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,371.81	46.32
40 05 38 00-0098	EA	6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,722.87	59.73
40 05 38 00-0099	EA	8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	2,678.55	74.03
40 05 38 00-0100		**Polytetrafluoroethylene (PTFE) Lined Gate Valves** *(40 05 38 00-0001)*		
40 05 38 00-0101	EA	1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	2,712.77	58.49
40 05 38 00-0102	EA	1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,061.76	65.80
40 05 38 00-0103	EA	1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,457.31	72.92
40 05 38 00-0104	EA	2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	4,091.55	92.60
40 05 38 00-0105	EA	2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	5,420.41	105.40
40 05 38 00-0106	EA	3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	6,749.26	118.21
40 05 38 00-0107	EA	4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	8,478.95	198.42
40 05 38 00-0108	EA	6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	13,805.27	250.91
40 05 38 00-0109	EA	8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	29,307.49	317.47
40 05 38 00-0110		**Polytetrafluoroethylene (PTFE) Lined Check Valves** *(40 05 38 00-0001)*		
40 05 38 00-0111	EA	1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,082.98	58.49
40 05 38 00-0112	EA	1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,479.64	65.80
40 05 38 00-0113	EA	1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,929.38	72.92
40 05 38 00-0114	EA	2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	4,649.15	92.60
40 05 38 00-0115	EA	2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	6,162.14	105.40
40 05 38 00-0116	EA	3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	7,675.12	118.21
40 05 38 00-0117	EA	4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	9,633.35	198.42
40 05 38 00-0118	EA	6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	15,697.49	250.91
40 05 38 00-0119	EA	8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	33,362.24	317.47
40 05 38 00-0120		**Polytetrafluoroethylene (PTFE) Lined Plug Valves** *(40 05 38 00-0001)*		
40 05 38 00-0121	EA	1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	2,692.14	58.49
40 05 38 00-0122	EA	1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,040.22	65.80
40 05 38 00-0123	EA	1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,429.38	72.92
40 05 38 00-0124	EA	2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	4,059.72	92.60
40 05 38 00-0125	EA	2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	5,380.12	105.40
40 05 38 00-0126	EA	3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	6,700.50	118.21
40 05 38 00-0127	EA	4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	8,418.42	198.42
40 05 38 00-0128	EA	6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	13,706.71	250.91
40 05 38 00-0129	EA	8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	27,501.39	317.47

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

40 05 41 00-0002 Glass Pipe, Beaded Joints *(40 05 41 00-0001)*

40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	33.40	10.42
		For Work In Restricted Working Space, Add	*6.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	40.08	12.50
		For Work In Restricted Working Space, Add	*7.50*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	47.39	13.89
		For Work In Restricted Working Space, Add	*8.33*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	62.07	18.75
		For Work In Restricted Working Space, Add	*11.25*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	76.96	22.22
		For Work In Restricted Working Space, Add	*13.34*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	97.82	25.69
		For Work In Restricted Working Space, Add	*15.42*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	134.48	34.73
		For Work In Restricted Working Space, Add	*20.84*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	199.98	41.67
		For Work In Restricted Working Space, Add	*25.00*	

40 05 41 00-0011 Glass 90 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	140.47	55.56
		For Work In Restricted Working Space, Add	*33.33*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	152.65	59.04
		For Work In Restricted Working Space, Add	*35.42*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	170.28	62.50
		For Work In Restricted Working Space, Add	*37.50*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	187.16	69.45
		For Work In Restricted Working Space, Add	*41.67*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	217.16	76.40
		For Work In Restricted Working Space, Add	*45.84*	
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	283.12	90.28
		For Work In Restricted Working Space, Add	*54.17*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	337.22	97.23
		For Work In Restricted Working Space, Add	*58.33*	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	594.32	111.11
		For Work In Restricted Working Space, Add	*66.68*	

40 05 41 00-0020 Glass 45 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	139.30	55.56
		For Work In Restricted Working Space, Add	*33.33*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	151.28	59.04
		For Work In Restricted Working Space, Add	*35.42*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	168.45	62.50
		For Work In Restricted Working Space, Add	*37.50*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	185.23	69.45
		For Work In Restricted Working Space, Add	*41.67*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	214.55	76.40
		For Work In Restricted Working Space, Add	*45.83*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	279.04	90.28
		For Work In Restricted Working Space, Add	*54.17*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	331.51	97.23
		For Work In Restricted Working Space, Add	*58.33*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	579.36	111.11
		For Work In Restricted Working Space, Add	*66.65*	

40 05 41 00-0029 Glass Tees *(40 05 41 00-0001)*

40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	216.98	83.33
		For Work In Restricted Working Space, Add	*50.01*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	231.52	90.28
		For Work In Restricted Working Space, Add	*54.17*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	250.74	97.23
		For Work In Restricted Working Space, Add	*58.33*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	290.76	104.18
		For Work In Restricted Working Space, Add	*62.49*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	325.74	114.59
		For Work In Restricted Working Space, Add	*68.76*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	396.45	138.89
		For Work In Restricted Working Space, Add	*83.34*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	490.66	145.77
		For Work In Restricted Working Space, Add	*87.47*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	681.19	166.61
		For Work In Restricted Working Space, Add	*99.98*	

40 05 41 00-0038 Glass Couplings, Vitron Liner *(40 05 41 00-0001)*

40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	42.23
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	48.27
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	56.31
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	64.36
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	77.43
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	141.79
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	170.95
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	341.90

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 71 Solids Handling Valves *(40 05)*

40 05 71 16 Flap Gates *(40 05 71)*

40 05 71 16-0001 Cast Iron, Flap Valves *(40 05 71 16)*

40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)	611.59	66.49
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	733.71	111.62
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	821.74	127.02
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	1,240.76	160.72
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	1,648.44	196.88
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	1,881.25	238.64
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	3,855.78	349.59
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	5,071.69	769.08
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	5,475.05	426.49
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	6,729.85	480.68
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	8,719.45	589.93
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	18,060.11	921.57

40 05 71 23 Mud Valves *(40 05 71)*

40 05 71 23-0001 Cast Iron, Non-Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0002	EA	3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03)	912.22	44.33
40 05 71 23-0003	EA	4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04)	1,008.72	74.40
40 05 71 23-0004	EA	6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06)	1,071.69	84.69
40 05 71 23-0005	EA	8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08)	1,396.09	107.15
40 05 71 23-0006	EA	10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10)	2,136.35	131.26
40 05 71 23-0007	EA	12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12)	2,500.20	159.09
40 05 71 23-0008	EA	14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14)	4,901.96	233.06
40 05 71 23-0009	EA	16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16)	6,268.17	512.73
40 05 71 23-0010	EA	18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18)	6,575.09	284.33
40 05 71 23-0011	EA	20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20)	7,263.47	320.45
40 05 71 23-0012	EA	24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24)	9,228.58	393.28
40 05 71 23-0013	EA	30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30)	14,278.73	614.38

40 05 71 23-0014 Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve *(40 05 71 23)*

40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,854.41	74.40
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS)	2,287.87	84.69
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS)	3,575.55	107.15
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS)	4,329.58	131.26
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS)	5,689.36	159.09

40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	1,295.32	74.40
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	1,409.07	84.69
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,796.16	107.15
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	2,838.15	131.26
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	3,715.97	159.09
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	6,531.08	512.73
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	7,225.14	284.33

40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	2,200.49	74.40
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	2,717.21	84.69
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	3,644.56	107.15
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	5,151.74	131.26
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	7,301.23	159.09

40 20 Liquids Process Piping *(40)*

40 23 Water and Wastewater Process Piping *(40 20)*

40 23 51 Water and Wastewater Process Valves *(40 23)*

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV)	646.79	100.44
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV)	1,019.39	128.26
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8)	2,100.06	197.93
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8)	2,396.71	197.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8)	2,997.47	225.01
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8)	3,357.99	225.01
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12)	4,508.25	287.51
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12)	4,944.99	287.51
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12)	6,947.43	350.01
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12)	7,569.58	350.01
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16)	11,878.73	621.48
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20)	12,686.29	621.48
40 23 51 00-0014		**Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV)	641.92	100.46
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV)	1,012.28	128.26
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8)	1,844.61	197.93
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8)	2,201.00	197.93
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8)	2,647.25	225.01
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8)	3,007.77	225.01
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12)	3,921.12	287.51
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12)	4,355.80	287.51
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12)	6,370.60	350.01
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12)	6,805.28	350.01
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16)	8,424.62	425.01
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20)	9,228.06	425.01
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16)	10,727.13	621.48
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20)	11,534.69	621.48
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16)	12,982.35	683.63
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20)	13,789.91	683.63
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24)	17,195.77	758.21
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	17,879.72	758.21
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	23,924.99	854.54
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	24,707.83	854.54
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	43,063.00	1,048.76
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	43,845.83	1,048.76
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	59,151.83	1,638.34
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	60,091.24	1,638.34
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	90,686.54	2,184.46
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	91,075.90	2,184.46
40 23 51 00-0041		**Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	2,251.32	128.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	2,673.64	128.26
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	2,437.92	197.93
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	2,862.30	197.93
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	3,879.19	225.01
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	4,303.58	225.01
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	4,747.22	287.51
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	5,262.25	287.51
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	7,866.23	350.01
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	8,381.26	350.01
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	9,304.29	425.01
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	9,967.64	425.01
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	12,251.61	621.48
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	12,910.84	621.48
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	14,543.90	683.63
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	15,203.14	683.63
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	18,757.32	758.21
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	19,569.00	758.21
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	32,719.56	854.54
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	25,791.44	854.54
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	53,942.38	1,048.76
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	53,942.38	1,048.76
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	82,824.44	1,638.34
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	82,824.44	1,638.34
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	114,114.00	2,184.46
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	114,114.00	2,184.46

40 23 51 00-0068 Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	1,263.66	198.42
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	2,152.17	250.00
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	4,009.69	285.70
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	5,762.87	350.01
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	7,243.88	424.25
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	10,459.32	621.48
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	13,052.39	683.63
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	17,013.98	759.58
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	22,995.88	854.54
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	45,979.47	1,051.75
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	61,912.52	1,668.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	89,783.70	2,085.16
40 23 51 00-0081		**Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0082	EA	4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	8,400.15	197.93
40 23 51 00-0083	EA	6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	9,159.23	225.01
40 23 51 00-0084	EA	8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	10,082.10	287.51
40 23 51 00-0085	EA	10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	11,612.17	350.01
40 23 51 00-0086	EA	12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	14,864.55	425.01
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	18,052.19	621.48
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	21,345.06	683.63
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	25,094.32	758.21
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	31,394.86	854.54
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	59,725.09	1,048.76
40 23 51 00-0092		**Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,296.64	128.26
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	10,030.35	197.93
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	11,079.72	225.01
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,077.47	287.51
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	15,664.70	350.01
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	20,187.24	425.01
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	34,691.95	621.48
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	48,303.39	683.63
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	52,397.20	758.21
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	50,902.62	854.54
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	62,911.85	1,048.76
40 23 51 00-0104		**Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,217.17	100.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,436.48	128.26
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,939.47	197.93
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,412.57	225.01
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC)	5,802.02	287.51
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC)	8,004.96	350.01
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC)	14,280.93	425.01
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC)	16,557.76	621.48
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC)	20,972.89	683.63
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC)	31,171.42	758.21
40 23 51 00-0115	EA	20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC)	34,983.28	854.54
40 23 51 00-0116	EA	24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC)	53,913.97	1,048.76

40 23 51 00-0117 Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valves *(40 23 51)*

40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,242.25	100.46
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,387.73	128.26
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,872.26	197.93
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,211.04	225.01
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,895.01	287.51
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	4,267.38	350.01
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS)	5,744.48	425.01
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	8,252.02	621.48
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	10,267.71	683.63
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	14,329.23	758.21
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	17,310.52	854.54
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MNB-HD24-S1)	26,228.17	1,048.76

40 23 51 00-0130 Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves *(40 23 51)*

40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,900.24	56.51
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,954.75	100.44
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,294.42	128.26
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	9,007.82	197.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0135		**Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)*		
40 23 51 00-0136	EA	2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,839.58	100.44
40 23 51 00-0137	EA	4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	6,892.62	197.93
40 23 51 00-0138	EA	6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	11,841.08	225.01
40 23 51 00-0139	EA	8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	13,184.90	287.51
40 23 51 00-0140	EA	10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	17,694.99	350.01
40 23 51 00-0141	EA	12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	24,524.68	425.01
40 23 51 00-0142	EA	14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	37,518.88	621.48
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	60,840.44	683.63
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	70,162.26	758.21
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	88,698.86	854.54
40 23 51 00-0146		**Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves** *(40 23 51)*		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,564.70	100.44
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,715.09	109.26
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,551.53	197.93
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,946.88	197.93
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,562.55	225.01
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,996.26	225.01
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	4,440.29	287.51
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	4,948.89	287.51
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	6,343.81	350.01
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	6,897.53	350.01
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,005.49	425.01
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	8,559.20	425.01
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	11,666.60	621.48
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	12,220.31	621.48
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	15,804.87	683.63
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	17,373.73	683.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	20,143.25	758.21
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	21,712.11	758.21
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	23,854.05	854.54
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	26,216.12	854.54
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	41,512.12	1,048.76
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	43,070.37	1,048.76
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	64,957.33	1,638.34
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	67,801.70	1,638.34
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	88,096.78	2,184.46
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	89,435.03	2,184.46

40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*

40 23 51 00-0174	EA	2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	404.58
40 23 51 00-0175	EA	4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,184.31
40 23 51 00-0176	EA	6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,448.57
40 23 51 00-0177	EA	8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,732.45
40 23 51 00-0178	EA	10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,313.51
40 23 51 00-0179	EA	12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	5,229.38
40 23 51 00-0180	EA	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	9,044.23
40 23 51 00-0181	EA	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,340.91

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,993.35	118.06
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,700.94	197.93
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,322.09	225.01
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,622.94	287.51
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	8,876.50	350.01
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,411.53	425.01
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,280.28	621.48
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	20,537.97	683.63
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	24,930.00	758.21
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	26,557.39	854.54
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	49,343.42	1,048.76

40 23 51 00-0194 Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,774.18	118.06
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,426.15	197.93
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,962.42	225.01
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,480.82	287.51
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,625.61	350.01
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,011.72	425.01
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,233.34	621.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	19,443.44	683.63
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	23,425.31	758.21
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	24,955.25	854.54
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	44,140.43	1,048.76
40 23 51 00-0206		**125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves** *(40 23 51)*		
40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,878.44	118.06
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,232.51	197.93
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,393.97	225.01
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,646.59	287.51
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	22,781.35	350.01
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,353.62	425.01
40 23 51 00-0213		**Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves** *(40 23 51)*		
40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,314.00	118.06
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,655.38	197.93
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,131.35	225.01
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,544.43	287.51
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	5,448.00	350.01
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	7,881.42	425.01

END OF SECTION 40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	283.86	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	80.13	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	467.19	

41 10 Bulk Material Processing Equipment *(41)*

41 12 Bulk Material Conveying Equipment *(41 10)*

41 12 13 Bulk Material Conveyors *(41 12)*

41 12 13 19 Belt Bulk Material Conveyors *(41 12 13)*

41 12 13 19-0001 Belt Bulk Material Conveyors And Accessories (Serpentix) *(41 12 13 19)*

41 12 13 19-0002	EA	4', 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Drive Station Unit For Model-H Conveyor	67,782.06	929.43
41 12 13 19-0003	EA	10', 1/4" Thick, Hi-Profile Straight Track For Model-H Conveyor	15,886.42	217.83
41 12 13 19-0004	EA	Hi-Profile Vertical Curve For Model-H Conveyor	20,122.80	275.93
41 12 13 19-0005	EA	Hi-Profile Horizontal Curve For Model-H Conveyor	22,240.99	304.97
41 12 13 19-0006	EA	Hi-Profile Helix Curve For Model-H Conveyor	26,477.37	363.06
41 12 13 19-0007	EA	4', 20 Amperes, 125/250/480 Volt AC, Single Pole, Double Throw Circuit, Tension Station Unit For Model-H Conveyor	39,716.06	544.58
41 12 13 19-0008	EA	10' Section Support Tower For Model-H Conveyor	10,590.94	145.22
41 12 13 19-0009	PR	Support Legs For Model-H Conveyor	1,574.39	14.65
41 12 13 19-0010	PR	Tension Station Support legs For Model-H Conveyor	2,099.19	19.54
41 12 13 19-0011	LF	32" Wide Conveyor Belt And Chain For Model-H	3,148.78	29.31
41 12 13 19-0012	DAY	Field Testing/Field Services/Operation And Maintainence Training	15,450.75	
		For Each Additional Day Onsite, Add	*4,635.22*	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*

Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	7,916.10	325.25
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	8,011.50	325.25
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,693.13	325.25
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	12,254.28	433.66
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,450.04	542.09
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	18,180.45	796.64
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	20,959.46	962.20
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	21,394.69	962.20

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	3,341.72	314.41
		For DC Electrical Operated, Add	*677.75*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	3,489.91	314.41
		For DC Electrical Operated, Add	*714.37*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,862.50	314.41
		For DC Electrical Operated, Add	*804.93*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	5,847.55	325.25
		For DC Electrical Operated, Add	*1,294.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	5,031.02	325.25
		For DC Electrical Operated, Add	*1,088.26*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	7,215.10	336.09
		For DC Electrical Operated, Add	*1,625.55*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	6,508.99	368.61
		For DC Electrical Operated, Add	*1,418.68*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	8,064.42	455.35
		For DC Electrical Operated, Add	*1,802.23*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	9,499.84	436.49
		For DC Electrical Operated, Add	*2,186.18*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	15,347.25	455.47
		For DC Electrical Operated, Add	*3,608.88*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	18,416.43	474.45
		For DC Electrical Operated, Add	*4,366.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	25,548.35	493.43
		For DC Electrical Operated, Add	*6,139.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	32,736.70	540.87
		For DC Electrical Operated, Add	*7,912.41*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

41 22 23 13-0025 Hand Chain Hoists *(41 22 23 13)*

41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,720.81	71.22
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,060.75	72.20
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,827.82	75.61
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,206.97	76.59
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	3,903.99	80.48
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,360.63	94.15
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,140.34	97.07
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,046.04	117.08
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	9,887.06	122.44
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,640.07	140.00

END OF SECTION 41

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment *(43)*

43 11 Gas Fans, Blowers, Pumps And Boosters *(43 10)*

43 11 43 Gas-handling Vacuum Pumps *(43 11)*

43 11 43 00-0001 Vacuum Pumps *(43 11 43)*

43 11 43 00-0002	EA	20 SCFM, Duplex Vacuum Pump	4,760.15	468.35
43 11 43 00-0003	EA	60 SCFM, 10 HP Vacuum Pump	7,069.91	753.50
43 11 43 00-0004	EA	180 SCFM, Triplex Vacuum Pump	8,383.57	936.69
43 11 43 00-0005	EA	Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz	1,338.53	347.10

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 57 Progressing Cavity Pumps *(43 23)*

43 23 57 00-0001 Progressive Cavity Pumps *(43 23 57)*

43 23 57 00-0002 Progressive Cavity Pumps (Seepex N Series) *(43 23 57 00-0001)*
Note: Includes CI housing, tool steel rotor, Nitrile stator, single mech. seal, WP motors (TEXP) base plates, couplings, and OSHA guards.

43 23 57 00-0003	EA	3 HP, 50 GPM, Progressive Cavity Pumps, 5" x 4" ANSI Flange (Seepex Model 35-6L)	11,799.90	148.43
43 23 57 00-0004	EA	5 HP, 50 GPM, Progressive Cavity Pumps, 6" x 5" ANSI Flange (Seepex Model 35-12)	16,632.75	148.43
43 23 57 00-0005	EA	7.5 HP, 100 GPM, Progressive Cavity Pumps, 5" x 5" ANSI Flange (Seepex Model 52-6L)	14,106.13	148.43
43 23 57 00-0006	EA	10 HP, 100 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 52-12)	21,811.86	148.43
43 23 57 00-0007	EA	10 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 70-6L)	18,136.89	148.43
43 23 57 00-0008	EA	15 HP, 150 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 70-12)	33,262.52	148.43
43 23 57 00-0009	EA	7.5 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 100-6L)	21,352.64	148.43
43 23 57 00-0010	EA	15HP, 250 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 130-6L)	31,909.51	148.43
43 23 57 00-0011	EA	20 HP, 350 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 200-6L)	41,733.32	222.63

43 23 57 00-0012 Progressive Cavity Pumps (Monoflo) *(43 23 57 00-0001)*
Note: Monoflo Progressive Cavity Pumps BARESHAFT: E range heavy-duty, 316 SST HCP rotor and shaft, Stator either Nitrile or natural rubber, Power Drive Shaft, gland packing or John Crane502 mechanical seal.

43 23 57 00-0013	EA	Model E01 Monoflo 2 Stage Progressive Cavity Pumps	3,694.12	75.42
		For High Nitrile Stator, Add	*20.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*42.00*	
		For Rotor Coating, Duracoat 3000, Add	*721.00*	
43 23 57 00-0014	EA	Model E01 Monoflo 4 Stage Progressive Cavity Pumps	4,247.72	75.42
		For High Nitrile Stator, Add	*34.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*71.00*	
		For Rotor Coating, Duracoat 3000, Add	*747.00*	
43 23 57 00-0015	EA	Model E02 Monoflo 1 Stage Progressive Cavity Pumps	3,880.41	75.42
		For High Nitrile Stator, Add	*12.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*45.00*	
		For Rotor Coating, Duracoat 3000, Add	*767.00*	
43 23 57 00-0016	EA	Model E02 Monoflo 2 Stage Progressive Cavity Pumps	4,184.76	75.42
		For High Nitrile Stator, Add	*24.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*55.00*	
		For Rotor Coating, Duracoat 3000, Add	*836.00*	
43 23 57 00-0017	EA	Model E02 Monoflo 4 Stage Progressive Cavity Pumps	5,472.99	75.42
		For High Nitrile Stator, Add	*47.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*72.00*	
		For Rotor Coating, Duracoat 3000, Add	*850.00*	
43 23 57 00-0018	EA	Model E03 Monoflo 1 Stage Progressive Cavity Pumps	4,547.62	111.32
		For High Nitrile Stator, Add	*14.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*50.00*	
		For Rotor Coating, Duracoat 3000, Add	*822.00*	
43 23 57 00-0019	EA	Model E03 Monoflo 2 Stage Progressive Cavity Pumps	5,329.48	111.32
		For High Nitrile Stator, Add	*30.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*59.00*	
		For Rotor Coating, Duracoat 3000, Add	*906.00*	
43 23 57 00-0020	EA	Model E03 Monoflo 4 Stage Progressive Cavity Pumps	10,067.89	111.32
		For High Nitrile Stator, Add	*59.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*80.00*	
		For Rotor Coating, Duracoat 3000, Add	*917.00*	
43 23 57 00-0021	EA	Model E0X Monoflo 1 Stage Progressive Cavity Pumps	6,421.31	148.43
		For High Nitrile Stator, Add	*17.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*54.00*	
		For Rotor Coating, Duracoat 3000, Add	*965.00*	
43 23 57 00-0022	EA	Model E0X Monoflo 2 Stage Progressive Cavity Pumps	7,444.56	148.43
		For High Nitrile Stator, Add	*36.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*72.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,162.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 57 00-0023	EA	Model E0X Monoflo 4 Stage Progressive Cavity Pumps	10,574.63	148.43
		For High Nitrile Stator, Add	*70.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*107.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,170.00*	
43 23 57 00-0024	EA	Model E04 Monoflo 1 Stage Progressive Cavity Pumps	6,812.24	148.43
		For High Nitrile Stator, Add	*20.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*71.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,170.00*	
43 23 57 00-0025	EA	Model E04 Monoflo 2 Stage Progressive Cavity Pumps	7,992.91	148.43
		For High Nitrile Stator, Add	*41.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*90.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,417.00*	
43 23 57 00-0026	EA	Model E04 Monoflo 4 Stage Progressive Cavity Pumps	14,371.12	148.43
		For High Nitrile Stator, Add	*80.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*103.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,433.00*	
43 23 57 00-0027	EA	Model E05 Monoflo 1 Stage Progressive Cavity Pumps	8,548.76	222.63
		For High Nitrile Stator, Add	*30.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*100.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,380.00*	
43 23 57 00-0028	EA	Model E05 Monoflo 2 Stage Progressive Cavity Pumps	10,610.99	222.63
		For High Nitrile Stator, Add	*47.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*118.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,673.00*	
43 23 57 00-0029	EA	Model E05 Monoflo 4 Stage Progressive Cavity Pumps	18,878.27	222.63
		For High Nitrile Stator, Add	*92.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*142.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,803.00*	
43 23 57 00-0030	EA	Model E06 Monoflo 1 Stage Progressive Cavity Pumps	9,716.30	222.63
		For High Nitrile Stator, Add	*40.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*121.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,459.00*	
43 23 57 00-0031	EA	Model E06 Monoflo 2 Stage Progressive Cavity Pumps	13,735.81	222.63
		For High Nitrile Stator, Add	*56.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*171.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,867.00*	
43 23 57 00-0032	EA	Model E06 Monoflo 4 Stage Progressive Cavity Pumps	25,943.89	222.63
		For Rotor Coating, Duracoat 3000, Add	*1,885.00*	
43 23 57 00-0033	EA	Model E07 Monoflo 1 Stage Progressive Cavity Pumps	14,802.54	296.85
		For High Nitrile Stator, Add	*46.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*147.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,635.00*	
43 23 57 00-0034	EA	Model E07 Monoflo 2 Stage Progressive Cavity Pumps	18,184.49	296.85
		For High Nitrile Stator, Add	*75.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*174.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,252.00*	
43 23 57 00-0035	EA	Model E07 Monoflo 4 Stage Progressive Cavity Pumps	33,564.62	296.85
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*255.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,266.00*	
43 23 57 00-0036	EA	Model E08 Monoflo 1 Stage Progressive Cavity Pumps	16,527.81	445.28
		For High Nitrile Stator, Add	*57.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*154.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,069.00*	
43 23 57 00-0037	EA	Model E08 Monoflo 2 Stage Progressive Cavity Pumps	21,596.80	445.28
		For High Nitrile Stator, Add	*94.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*179.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,915.00*	
43 23 57 00-0038	EA	Model E08 Monoflo 4 Stage Progressive Cavity Pumps	38,614.12	445.28
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*262.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,936.00*	
43 23 57 00-0039	EA	Model E09 Monoflo 1 Stage Progressive Cavity Pumps	21,567.94	445.28
		For High Nitrile Stator, Add	*81.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*129.00*	
43 23 57 00-0040	EA	Model E09 Monoflo 2 Stage Progressive Cavity Pumps	29,583.34	445.28
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*262.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,502.00*	
43 23 57 00-0041	EA	Model E10 Monoflo 1 Stage Progressive Cavity Pumps	26,613.69	593.70
		For High Nitrile Stator, Add	*106.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*358.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,855.00*	
43 23 57 00-0042	EA	Model E10 Monoflo 2 Stage Progressive Cavity Pumps	37,061.26	593.70
		For High Nitrile Stator, Add	*162.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*499.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,581.00*	
43 23 57 00-0043	EA	Model E10 Monoflo 4 Stage Progressive Cavity Pumps	81,929.15	593.70
		For Rotor Coating, Duracoat 3000, Add	*4,329.00*	
43 23 57 00-0044	EA	Model E12 Monoflo 1 Stage Progressive Cavity Pumps	42,026.78	667.91
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*522.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,312.00*	
43 23 57 00-0045	EA	Model E12 Monoflo 2 Stage Progressive Cavity Pumps	60,849.21	667.91
		For Rotor Coating, Duracoat 3000, Add	*5,284.00*	
43 23 57 00-0046	EA	Model E15 Monoflo 1 Stage Progressive Cavity Pumps	64,765.27	742.13
		For Rotor Coating, Duracoat 3000, Add	*4,400.00*	
43 23 57 00-0047	EA	Model E15 Monoflo 2 Stage Progressive Cavity Pumps	152,019.04	742.13
43 23 57 00-0048	EA	Model E16 Monoflo 1 Stage Progressive Cavity Pumps	85,936.29	1,187.41
43 23 57 00-0049	EA	Model E20 Monoflo 1 Stage Progressive Cavity Pumps	170,094.46	1,187.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 78		**Controlled Volume Horizontal Reciprocating Pumps** *(43 23)*		
43 23 78 31		**Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps** *(43 23 78)*		
43 23 78 31-0001		Diaphragm Pump *(43 23 78 31)*		
43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	4,972.82	
43 24		**Suspended Liquid Pumps** *(43 20)*		
43 24 41		**Archimedes Screw Pumps** *(43 24)*		
43 24 41 23		**Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps** *(43 24 41)*		
43 24 41 23-0001		Positive Displacement Pump *(43 24 41 23)*		
43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,066.45	
43 40		**Gas and Liquid Storage** *(43)*		
43 42		**Pressurized Tanks And Vessels** *(43 40)*		
43 42 41		**Metallic Specialty Pressure Tanks** *(43 42)*		
43 42 41 00-0001		L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*		
43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,129.13	72.61
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	3,989.05	108.92
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	5,790.89	116.18
43 42 41 00-0005		L.P.G. Propane Vaporizers *(43 42 41)*		
43 42 41 00-0006	EA	21.5 KW, 26 Amperes, 80 Gal/hour, 480 Volt, Three Phase, Electric Vaporizer	8,758.91	277.79
43 42 41 00-0007	EA	35.6 KW, 43 Amperes, 120 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	12,034.09	347.24
43 42 41 00-0008	EA	39.5 KW, 47.5 Amperes, 160 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	17,424.96	395.85
43 42 41 00-0009	EA	80 KW, 94.8 Amperes, 320 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	30,606.19	486.14
43 42 41 00-0010	EA	120 KW, 142.2 Amperes, 432 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	45,507.62	527.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

44 Pollution and Waste Control Equipment

44 30 Odor Control *(44)*

44 32 Odor Dispersing and Masking/Counteracting Equipment *(44 30)*

44 32 23 Odor Masking/Counteracting Equipment *(44 32)*

44 32 23 00-0001		Air Purification Systems (Carbtrol) *(44 32 23)*		
44 32 23 00-0002	EA	90 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-1BP90)	7,280.96	86.81
44 32 23 00-0003	EA	175 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B175)	7,562.90	104.18
44 32 23 00-0004	EA	275 CFM, 1/2 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B275)	9,225.11	121.54
44 32 23 00-0005	EA	450 CFM, 3/4 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-3B450)	10,166.27	138.89
44 32 23 00-0006	EA	90 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-1B90)	7,950.50	86.81
44 32 23 00-0007	EA	175 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B175)	8,283.93	104.18
44 32 23 00-0008	EA	275 CFM, 1/2 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B275)	9,946.14	121.54
44 32 23 00-0009	EA	450 CFM, 3/4 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-3B450)	10,887.31	138.89
44 32 23 00-0010		Odor Control Systems (Carbtrol) *(44 32 23)*		
44 32 23 00-0011	EA	225 CFM, 3/4 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20)	44,978.34	113.20
44 32 23 00-0012	EA	500 CFM, 1 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G21)	53,312.88	144.46
44 32 23 00-0013	EA	900 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G22)	61,144.89	173.62
44 32 23 00-0014	EA	1400 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G23)	72,629.94	190.98
44 32 23 00-0015	EA	2000 CFM, 5 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G24)	86,118.76	208.34
44 32 23 00-0016	EA	225 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-20)	45,832.28	113.20
44 32 23 00-0017	EA	500 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-21)	55,026.72	144.46
44 32 23 00-0018	EA	900 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-22)	64,183.32	173.62
44 32 23 00-0019	EA	1400 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-23)	77,207.44	190.98
44 32 23 00-0020	EA	2000 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-24)	92,970.11	208.34
44 32 23 00-0021	EA	225 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20)	47,758.60	113.20
44 32 23 00-0022	EA	500 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G21)	57,483.27	144.46
44 32 23 00-0023	EA	900 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G22)	66,506.82	173.62
44 32 23 00-0024	EA	1,400 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G23)	78,786.23	190.98
44 32 23 00-0025	EA	2,000 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G24)	93,466.59	208.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 Water And Wastewater Equipment

46 20 Water and Wastewater Preliminary Treatment Equipment *(46)*

46 21 Screening Equipment *(46 20)*

46 21 56 Wedge Wire Screens *(46 21)*

46 21 56 00-0001 Wastewater Stationary Screening *(46 21 56)*

46 21 56 00-0002	EA	145 Lb., SV1.5S, 90 GPM, Wastewater Stationary Screen	15,966.61	468.85
46 21 56 00-0003	EA	190 Lb., SV2S, 180 GPM, Wastewater Stationary Screen	21,752.98	468.85
46 21 56 00-0004	EA	740 Lb., SV3S, 280 GPM, Wastewater Stationary Screen	25,716.09	586.07
46 21 56 00-0005	EA	980 Lb., SV4S, 400 GPM, Wastewater Stationary Screen	33,367.80	586.07
46 21 56 00-0006	EA	1,300 Lb., SV6S, 600 GPM, Wastewater Stationary Screen	44,864.40	586.07
46 21 56 00-0007	EA	2,450 Lb., SV6S BB, 1,200 GPM, Wastewater Stationary Screen	81,295.66	586.07
46 21 56 00-0008	EA	1,700 Lb., SV8S, 800 GPM, Wastewater Stationary Screen	57,142.40	1,172.12
46 21 56 00-0009	EA	3,300 Lb., SV8S BB, 1,600 GPM, Wastewater Stationary Screen	97,399.52	1,172.12
46 21 56 00-0010	EA	2,300 Lb., SV10S, 1,000 GPM, Wastewater Stationary Screen	68,658.03	1,172.12
46 21 56 00-0011	EA	4,200 Lb., SV10S BB, 2,000 GPM, Wastewater Stationary Screen	124,237.60	1,172.12

46 24 Grinding and Shredding Equipment *(46 20)*

46 24 16 Comminutors *(46 24)*

46 24 16 00-0001 Comminutors *(46 24 16)*

46 24 16 00-0002	EA	Comminutors, Model A-5, 5" Diameter, 1/2 HP, 35 RPM, 164	5,155.41	1,406.55
46 24 16 00-0003	EA	Comminutors, Model A-8, 8" Diameter, 1/2 HP, 35 RPM, 360 GPM	6,809.94	1,875.41
46 24 16 00-0004	EA	Comminutors, Model A-12, 12" Diameter, 3/4 HP, 15 RPM, 1020 GPM	13,166.86	2,813.11

46 25 Oil and Grease Separation and Removal Equipment *(46)*

46 25 47 Floating Scum Skimming and Removal Equipment *(46 25)*

46 25 47 00-0001 Skimming Devices and Accessories (EIMCO) *(46 25 47)*

Note: Material Only - excludes installation

46 25 47 00-0002	EA	3', Stainless Steel, Skimming Device (EIMCO L42700-2)	4,325.29
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*8,780.34*
46 25 47 00-0003	EA	4', Stainless Steel, Skimming Device (EIMCO L42700-3)	4,784.03
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*9,711.58*
46 25 47 00-0004	EA	5', Stainless Steel, Skimming Device (EIMCO L42700-4)	5,373.85
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*10,908.92*
46 25 47 00-0005	EA	6', Stainless Steel, Skimming Device (EIMCO L42700-5)	5,657.83
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*11,485.39*
46 25 47 00-0006	EA	25,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 30" Drive Unit (EIMCO L115100-1)	73,180.42
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*148,556.25*
46 25 47 00-0007	EA	80,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 40" Drive Unit (EIMCO L115342)	84,102.86
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*170,728.81*
46 25 47 00-0008	EA	Skimming Device Clevis With Bushing (EIMCO 89081A1A)	502.43
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*1,019.93*
46 25 47 00-0009	EA	Type 'S' Skimmer Arm (EIMCO 48080A1A)	238.11
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*483.36*
46 25 47 00-0010	EA	Side Wiper Skimmer (EIMCO 81602A)	26.21
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*53.21*
46 25 47 00-0011	EA	Side Clamp (EIMCO 81598A)	8.74
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*17.74*
46 25 47 00-0012	EA	Hinged Skimmer (EIMCO 88188A)	447.82
		For 4" x 4" Guide Shoe, Add	*897.00*
		For Ceramic Coating, Add	*413.00*
		For Moisture Sensor, Add	*909.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 25 47 00-0013	EA	Skimming Device Collar (EIMCO 88011C1A)	264.32	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*536.57*	
46 25 47 00-0014	EA	Wear Block, Skimmer (EIMCO 1141036-01)	131.07	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*266.07*	
46 25 47 00-0015	EA	Stainless Steel Skimming Device Spring (EIMCO 85606A)	91.75	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*186.25*	
46 25 47 00-0016	EA	Drive Control (EIMCO L115759-1)	3,233.05	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*6,563.09*	
46 25 47 00-0017	EA	Actuating Pin (EIMCO 48806A)	52.43	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*106.43*	

46 30 Water and Wastewater Chemical Feed Equipment *(46)*

46 31 Gas Chemical Feed Equipment *(46 30)*

46 31 11 Chlorine Gas Feed Equipment *(46 31)*

46 31 11 00-0001 Wastewater Chlorinators, Gas Type *(46 31 11)*

46 31 11 00-0002	EA	Direct Cylinder Mounted Type, Model #201, 100 PPD Gas Chlorinator	2,683.71	468.85
46 31 11 00-0003	EA	Wall Or Direct Cylinder Mounted Type, Model 202, 200 PPD Gas Chlorinator	2,890.46	468.85
46 31 11 00-0004	EA	Wall Or Direct Cylinder Mounted Type, Model 203, 500 PPD Gas Chlorinator	3,723.83	468.85
46 31 11 00-0005	EA	Booster Pump, 20 Thru 500 PPD System	863.90	234.42

46 31 11 00-0006 High Capacity Chlorinators, Series 4000 Model *(46 31 11)*

46 31 11 00-0007	EA	Single Cylinder, Floor Cabinet, 40X1C, 100 PPD	5,614.15	937.70
46 31 11 00-0008	EA	Single Cylinder, Floor Cabinet, 40X2C, 200 PPD	5,863.52	937.70
46 31 11 00-0009	EA	Single Cylinder, Floor Cabinet, 40X3C, 500 PPD	7,059.22	937.70
46 31 11 00-0010	EA	Single Cylinder, Floor Cabinet, 40X4C, 2000 PPD	9,409.64	1,406.55
46 31 11 00-0011	EA	Single Cylinder, Floor Cabinet 40X5C, 8000 PPD	11,260.74	1,406.55
46 31 11 00-0012	EA	Single Cylinder, Floor Cabinet, 40X6C, 10000 PPD	12,207.08	1,406.55
46 31 11 00-0013	EA	Dual Cylinder, Wall Cabinet, 40X1C, 100 PPD	4,267.12	937.70
46 31 11 00-0014	EA	Dual Cylinder, Wall Cabinet, 40X2C, 200 PPD	4,575.10	937.70
46 31 11 00-0015	EA	Dual Cylinder, Wall Cabinet, 40X3C, 500 PPD	5,504.38	937.70
46 31 11 00-0016	EA	Dual Cylinder, Wall Cabinet 40X4C, 2000 PPD	7,884.64	1,406.55
46 31 11 00-0017	EA	Dual Cylinder, Wall Cabinet, 41X5C, 8000 PPD	9,810.34	1,406.55

46 31 11 00-0018 High Capacity Chlorinators, Add-Ons *(46 31 11)*

46 31 11 00-0019	EA	Add For Flow Proportioning	2,632.25	
46 31 11 00-0020	EA	Add For Residual Control	9,303.47	
46 31 11 00-0021	EA	Add For Compound Loop	9,303.47	
46 31 11 00-0022	EA	Add For Gas Detectors	1,631.57	
46 31 11 00-0023	EA	Add For Booster Pumps, 20 Thru 500 PPD System	564.82	
46 31 11 00-0024	EA	Add For Booster Pumps, 501 Thru 8000 PPD System	1,694.45	
46 31 11 00-0025	EA	Add For Sample Pump	1,063.56	
46 31 11 00-0026	EA	Add For Factory Rep. Set-Up/Service Fee	5,861.30	

46 33 Liquid Chemical Feed Equipment *(46 30)*

46 33 66 Liquid Chemical Transfer Pumps *(46 33)*

46 33 66 00-0001 Transfer Pump *(46 33 66)*

46 33 66 00-0002 Polypropylene With Hypalon Liners *(46 33 66 00-0001)*

46 33 66 00-0003	EA	1/4 HP, 120 Volt, Chemical Transfer Pump, 3/4" In/Out	947.30	122.55
		For Each LF Of 3/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*13.31*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	
46 33 66 00-0004	EA	1/4 HP, 120 Volt, Chemical Transfer Pump, 1" In/Out	973.35	122.55
		For Each LF Of 1" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*13.83*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	
46 33 66 00-0005	EA	1/2 HP, 120 Volt, Chemical Transfer Pump, 1-1/4" In/1" Out	1,175.55	150.84
		For Each LF Of 1-1/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*19.96*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	

46 40 Water and Wastewater Clarification and Mixing Equipment *(46)*

46 41 Mixing Equipment *(46 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 41 11 Rapid Mixers *(46 41)*

46 41 11 00-0001 Invent Hyperclassic Mixers And Platforms (Invent & J Blanco Associates) *(46 41 11)*

46 41 11 00-0002 Invent Hyperclassic Mixers *(46 41 11 00-0001)*

46 41 11 00-0003	EA	3 HP, 1500mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM1500-26-3.0)	50,033.45	295.53
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0004	EA	1.5 HP, 2000mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-22-1.5)	53,431.32	243.37
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0005	EA	3 HP, 2000mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-26-3.0)	54,771.68	295.53
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0006	EA	2 HP, 2500mm, 216 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-16-2.0)	66,245.66	264.23
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0007	EA	3 HP, 2500mm, 18 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-18-3.0)	66,720.26	295.53
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0008	EA	5 HP, 2500mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-22-5.0)	73,780.23	323.34
		For Baldor Motor, Add	*3,605.18*	

46 41 11 00-0009 Invent Hyperclassic Platforms *(46 41 11 00-0001)*

Note: For Use With Invent Hyperclassic Mixers

46 41 11 00-0010	EA	Up To 12' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Small Carbon Steel) Note: Includes Stainless Steel 316 Hardware	36,620.03	696.16
		For 316 Stainless Steel Handrail, Add	*2,472.12*	
		For 316 Stainless Steel Grating, Add	*5,191.45*	
46 41 11 00-0011	EA	12' To 25' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Big Carbon Steel) Note: Includes Stainless Steel 316 Hardware	41,787.35	1,013.71
		For 316 Stainless Steel Handrail, Add	*4,635.22*	
		For 316 Stainless Steel Grating, Add	*10,815.52*	
46 41 11 00-0012	EA	Up To 12' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Small Aluminum) Note: Includes Stainless Steel 316 Hardware	54,336.89	696.16
		For 316 Stainless Steel Handrail, Add	*2,472.12*	
		For 316 Stainless Steel Grating, Add	*5,191.45*	
46 41 11 00-0013	EA	12' To 25' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Big Aluminum) Note: Includes Stainless Steel 316 Hardware	59,916.23	1,013.71
		For 316 Stainless Steel Handrail, Add	*4,635.22*	
		For 316 Stainless Steel Grating, Add	*10,815.52*	

46 41 16 Induction-type Rapid Mixing Equipment *(46 41)*

46 41 16 00-0001 Chemical Induction Mixer (Mastrrr Company) *(46 41 16)*

46 41 16 00-0002	EA	5 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-5 HP)	25,122.40	312.91
46 41 16 00-0003	EA	7-1/2 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-7-1/2 HP)	30,463.79	347.68
46 41 16 00-0004	EA	10 HP, 460 Volt AC/60 Hertz/ 3Ppaseh, Chemical Induction Mixer (Mastrrr Co. 32NV-10 HP)	36,268.28	417.21
46 41 16 00-0005	EA	20 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-20 HP)	48,984.78	591.75
46 41 16 00-0006	EA	25 HP, 460 Volt AC/60 Hertzz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-25 HP)	54,677.87	672.41
46 41 16 00-0007	EA	460 Volt AC/60 Hertz/ 3 Phase, Control Panel (Mastrrr Co. Savvy 3)	15,292.46	44.46
46 41 16 00-0008	EA	20', 316 Stainless Steel, Braided Lifting Cable With One Link Eye (Mastrrr Co. CAB-1)	171.17	7.65
46 41 16 00-0009	EA	20', 3/4" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	799.60	32.50
46 41 16 00-0010	EA	20', 1" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,092.88	36.57
46 41 16 00-0011	EA	20', 1-1/2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,304.85	44.69
46 41 16 00-0012	EA	20', 2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,817.70	48.75
46 41 16 00-0013	Day	Start Up Assistance (Mastrrr Co. DHA-FS)	3,708.18	

46 41 23 Submersible Mixers *(46 41)*

46 41 23 00-0001 Submersible Mixers (KSB Amamix) *(46 41 23)*

46 41 23 00-0002 KSB Amamix Submersible Mixers *(46 41 23 00-0001)*

46 41 23 00-0003	EA	5.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 120-803/44UMG.	11,703.71	905.05
46 41 23 00-0004	EA	6.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-801/46UMG.	12,282.81	905.05
46 41 23 00-0005	EA	7.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-802/54UMG.	11,987.72	905.05

46 41 23 00-0006 KSB Amamix Submersible Mixers Accessories *(46 41 23 00-0001)*

46 41 23 00-0007	EA	Mast Assemble (Vertical), 20', 316 Stainless Steel Note: Including positioner plate, all wall brackets, pivoting base bracket, anchor bolts, and static cable assembly.	3,069.61	
		For Each Additional Foot Mast Length, Add	*128.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 41 23 00-0008	EA	Extension Bracket, Wall To Mast, 316 Stainless Steel Note: For "T" and "Y" wall application, including hardware.	356.10	
46 41 23 00-0009	EA	Mixer Stop Bracket, 316 Stainless Steel	108.27	
46 41 23 00-0010	EA	Fixed Reach Hoist, 316 Stainless Steel Note: Includes marine grade winch with 40' of 316 stainless steel cable and shackle.	995.10	

46 41 23 00-0011 Submersible Mixers (US Filter) *(46 41 23)*

46 41 23 00-0012 US Filter Submersible Mixers *(46 41 23 00-0011)*

46 41 23 00-0013	EA	2.7 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 6/8 Uniprop.	9,836.62	905.05
46 41 23 00-0014	EA	4.4 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/8 Uniprop.	9,230.90	905.05
46 41 23 00-0015	EA	5.6 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/8R Uniprop.	9,294.13	905.05
46 41 23 00-0016	EA	6 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 6/16 Uniprop.	11,284.61	905.05
46 41 23 00-0017	EA	7.4 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/12 Uniprop.	10,162.08	905.05
46 41 23 00-0018	EA	10 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/16 Uniprop.	22,390.48	905.05

46 41 23 00-0019 US Filter Submersible Mixers Accessories *(46 41 23 00-0011)*

46 41 23 00-0020	EA	Vertical Mast Assembly Note: Including 304 stainless steel lowering device, 20' 4" x 4" 304 stainless steel guide rail, fixation plate, bottom bearing plate, all anchors and bolts	6,056.07	
46 41 23 00-0021	EA	Replacement Of Mounting Skids	1,145.96	
46 41 23 00-0022	EA	Replacement Of Rollers	48.80	
46 41 23 00-0023	EA	Replacement Of Cable Clamps	51.02	

46 50 Water and Wastewater Secondary Treatment Equipment *(46)*

46 51 Air and Gas Diffusion Equipment *(46 50)*

46 51 11 Fixed Mechanical Aerators *(46 51)*

46 51 11 00-0001 High Speed Mechanical Surface Aerator *(46 51 11)*

Note: Includes electric motor, ductile iron deflector, carbon steel core, stainless steel impeller and shaft, fiberglass float, morse moreflex radial coupling and cutless rubber bearing.

46 51 11 00-0002	EA	5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	23,127.44	989.63
		For Stainless Steel Deflector And Core, Add	*6,767.41*	
		For Floating Unit (Includes Platform With Ballast System), Add	*17,631.61*	
46 51 11 00-0003	EA	7.5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	24,046.92	989.63
		For Stainless Steel Deflector And Core, Add	*7,061.65*	
		For Floating Unit (Includes Platform With Ballast System), Add	*18,380.99*	
46 51 11 00-0004	EA	10 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	29,376.41	1,319.89
		For Stainless Steel Deflector And Core, Add	*8,532.83*	
		For Floating Unit (Includes Platform With Ballast System), Add	*22,274.31*	
46 51 11 00-0005	EA	15 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	33,054.35	1,319.89
		For Stainless Steel Deflector And Core, Add	*9,709.77*	
		For Floating Unit (Includes Platform With Ballast System), Add	*25,271.83*	
46 51 11 00-0006	EA	20 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	39,490.75	1,319.89
		For Stainless Steel Deflector And Core, Add	*11,769.41*	
		For Floating Unit (Includes Platform With Ballast System), Add	*30,517.49*	
46 51 11 00-0007	EA	25 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	44,879.99	1,759.29
		For Stainless Steel Deflector And Core, Add	*13,240.59*	
		For Floating Unit (Includes Platform With Ballast System), Add	*34,422.76*	
46 51 11 00-0008	EA	30 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	48,864.42	1,759.29
		For Stainless Steel Deflector And Core, Add	*14,515.61*	
		For Floating Unit (Includes Platform With Ballast System), Add	*37,670.07*	
46 51 11 00-0009	EA	40 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	68,322.52	1,979.27
		For Stainless Steel Deflector And Core, Add	*20,596.47*	
		For Floating Unit (Includes Platform With Ballast System), Add	*53,248.35*	
46 51 11 00-0010	EA	50 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	72,259.48	2,262.03
		For Stainless Steel Deflector And Core, Add	*21,675.34*	
		For Floating Unit (Includes Platform With Ballast System), Add	*56,109.19*	
46 51 11 00-0011	EA	60 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	85,132.28	2,262.03
		For Stainless Steel Deflector And Core, Add	*25,794.63*	
		For Floating Unit (Includes Platform With Ballast System), Add	*66,600.52*	
46 51 11 00-0012	EA	75 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	90,177.22	2,639.21
		For Stainless Steel Deflector And Core, Add	*27,167.73*	
		For Floating Unit (Includes Platform With Ballast System), Add	*70,248.43*	
46 51 11 00-0013	EA	100 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	105,944.60	3,166.84
		For Stainless Steel Deflector And Core, Add	*31,875.50*	
		For Floating Unit (Includes Platform With Ballast System), Add	*82,449.64*	

46 51 11 00-0014 Low Speed Mechanical Surface Aerator *(46 51 11)*

Note: Includes electric motor gear reduction box, coupling, impeller/shaft, and adjusting studs.

46 51 11 00-0015	EA	15 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	24,182.13	1,319.89
		For Floating Unit (Includes Platform With Ballast System), Add	*18,085.43*	
46 51 11 00-0016	EA	20 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	27,153.59	1,319.89
		For Floating Unit (Includes Platform With Ballast System), Add	*20,507.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 51 11 00-0017	EA	25 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	32,138.59	1,583.42
		For Floating Unit (Includes Platform With Ballast System), Add	*24,245.34*	
46 51 11 00-0018	EA	30 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	35,852.92	1,583.42
		For Floating Unit (Includes Platform With Ballast System), Add	*27,272.52*	
46 51 11 00-0019	EA	40 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	39,919.11	1,759.29
		For Floating Unit (Includes Platform With Ballast System), Add	*30,370.07*	
46 51 11 00-0020	EA	50 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	42,890.57	1,759.29
		For Floating Unit (Includes Platform With Ballast System), Add	*32,791.81*	
46 51 11 00-0021	EA	60 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	48,530.47	1,979.27
		For Floating Unit (Includes Platform With Ballast System), Add	*37,117.83*	
46 51 11 00-0022	EA	75 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	54,473.39	1,979.27
		For Floating Unit (Includes Platform With Ballast System), Add	*41,961.31*	
46 51 11 00-0023	EA	100 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	63,953.29	2,262.03
		For Floating Unit (Includes Platform With Ballast System), Add	*49,339.64*	
46 51 11 00-0024	EA	125 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	72,878.82	2,639.21
		For Floating Unit (Includes Platform With Ballast System), Add	*56,150.23*	
46 51 11 00-0025	EA	150 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	91,450.46	2,639.21
		For Floating Unit (Includes Platform With Ballast System), Add	*71,286.12*	

46 60 Water and Wastewater Advanced Treatment Equipment *(46)*

46 61 Filtration Equipment *(46 60)*

46 61 21 Pressure Filters *(46 61)*

46 61 21 00-0001 Pressure Filter For Pre-Treatment Of Raw Water *(46 61 21)*

Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.

46 61 21 00-0002 Pressure Filter With 100 PSI Non-Code Steel Construction *(46 61 21 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0003	EA	3' Diameter, 36 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	12,563.61	1,645.67
46 61 21 00-0004	EA	4' Diameter, 65 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	19,594.38	1,841.80
46 61 21 00-0005	EA	5' Diameter, 100 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	25,503.87	1,841.80
46 61 21 00-0006	EA	6' Diameter, 140 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	35,795.72	2,035.59
46 61 21 00-0007	EA	7' Diameter, 200 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	46,973.82	2,035.59
46 61 21 00-0008	EA	8' Diameter, 250 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	57,958.21	2,495.07

46 61 21 00-0009 Pressure Filter With 100 PSI Non-Code Steel Shell Construction *(46 61 21 00-0001)*

Note: A flat plate with sand retaining corrosion resistant diffuser equipped for air scouring, electrically operated valves for automatic operation, sand media, influent and effluent pressure gages, sampling connect and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0010	EA	3' Diameter, 36 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	16,668.08	1,645.67
46 61 21 00-0011	EA	4' Diameter, 65 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	23,641.25	1,841.80
46 61 21 00-0012	EA	5' Diameter, 100 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	27,968.95	1,841.80
46 61 21 00-0013	EA	6' Diameter, 140 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	34,938.82	2,035.59
46 61 21 00-0014	EA	7' Diameter, 200 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	37,603.13	2,035.59
46 61 21 00-0015	EA	8' Diameter, 250 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	58,726.30	2,495.07

46 61 23 Gravity Filters *(46 61)*

46 61 23 00-0001 Packaged Water Filters *(46 61 23)*

46 61 23 00-0002 Gravity Filtration Units *(46 61 23 00-0001)*

46 61 23 00-0003	EA	Gravity Filtration Units, 4', 94 GPM	60,231.73	937.70
46 61 23 00-0004	EA	Gravity Filtration Units, 8', 376 GPM	109,334.63	937.70
46 61 23 00-0005	EA	Gravity Filtration Units, 12', 847 GPM	170,438.00	1,875.41
46 61 23 00-0006	EA	Gravity Filtration Units, 18', 1,908 GPM	252,226.23	9,377.03
46 61 23 00-0007	EA	Gravity Filtration Units, 20', 2,356 GPM	274,017.46	9,377.03

46 80 Water Treatment Equipment *(46)*

46 82 General Water Treatment Equipment *(46 80)*

46 82 13 Aeration Water Treatment Equipment *(46 82)*

46 82 13 00-0001 Froth Control Nozzles *(46 82 13)*

Note: BETE series TF polypropylene body.

46 82 13 00-0002 Wide Range Of Flows And Angles *(46 82 13 00-0001)*

Note: BETE series TF, polypropylene body.

46 82 13 00-0003	EA	3/8" Diameter Nozzle	77.22	3.77
46 82 13 00-0004	EA	1/2" Diameter Nozzle	82.71	3.77

46 82 13 00-0005 High Impact/Narrow Fan Spray Nozzles *(46 82 13 00-0001)*

Note: BETE series SPN, brass body.

46 82 13 00-0006	EA	3/8" Diameter Nozzle	125.72	3.77
46 82 13 00-0007	EA	1/2" Diameter Nozzle	139.04	3.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 13 00-0008		**Maximum Free Passage Nozzles** *(46 82 13 00-0001)* Note: BETE series MP, polypropylene body.		
46 82 13 00-0009	EA	3/8" Diameter Nozzle	101.47	3.77
46 82 13 00-0010	EA	1/2" Diameter Nozzle	110.88	3.77
46 82 13 00-0011		**Drainage Stems, Diffusers, Saddles** *(46 82 13)*		
46 82 13 00-0012	EA	Sanitaire MT-2 Membrane Tube Diffuser, Ethylene Propylene Diene Monomer (EPDM) Membrane With Polyvinyl Chloride (PVC) Body, 24" Diffuser	199.73	7.54
46 82 13 00-0013	EA	Sanitaire Diffuser, 304L Stainless Steel, 24" Long	185.53	7.54
46 82 13 00-0014	EA	Sanitaire Diffuser, 316L Stainless Steel, 24" Long	209.20	7.54
46 82 13 00-0015	EA	Sanitaire Diffuser, 304L Stainless Steel, 12" Long	174.55	6.78
46 82 13 00-0016	EA	Sanitaire Diffuser, 316L Stainless Steel, 12" Long	184.48	6.78
46 82 13 00-0017	EA	Open Bottom Coarse Bubble Diffuser, 304L Stainless Steel, 12" Long	151.92	6.78
46 82 13 00-0018	EA	Open Bottom Coarse Bubble Diffuser, 304L, 24" Long	176.58	7.54
46 82 13 00-0019	EA	EnviroQuip AirBand, Polyvinyl Chloride (PVC) Coarse Bubble Diffuser, 24" Long	79.64	7.54
46 82 13 00-0020	EA	Polyvinyl Chloride (PVC), EnviroQuip Variair Adjustable Diffuser	55.91	5.65
46 82 13 00-0021	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 5 CFM Max	36.73	5.65
46 82 13 00-0022	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 10 CFM Max	39.28	5.65
46 82 13 00-0023	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 5 CFM Max	68.86	5.65
46 82 13 00-0024	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 10 CFM Max	72.05	5.65
46 82 13 00-0025	EA	EnviroQuip FlexLine Membrane Tube Diffuser, 24" Long, Ethylene Propylene Diene Monomer (EPDM)	100.46	5.65
46 82 13 00-0026	EA	EnviroQuip FlexDome Fine Bubble Diffuser, 10" Diameter	66.64	5.65
46 82 13 00-0027	EA	EnviroQuip FlexDisc Fine Bubble Diffuser, 10" Diameter	66.64	5.65
46 82 13 00-0028	EA	EnviroQuip AirSeal Diffuser, 6-1/4" Diameter	66.64	5.65
46 82 13 00-0029	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) Plastic Body	122.31	7.54
46 82 13 00-0030	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, SS Body And Hypalon Gaskets	282.87	7.54
46 82 13 00-0031	EA	Wyss Flex-A-Tube Fine Bubble Diffuser, 2" Long	197.11	9.42
46 82 13 00-0032	EA	Wyss Flex-A-Tube Polyurethane Replacement Sheath	65.51	5.65
46 82 13 00-0033	EA	Wyss Flex-A-Tube Ethylene Propylene Diene Monomer (EPDM) Replacement Sheath	47.58	5.65
46 82 13 00-0034	EA	AquaTec Fine Bubble Diffuser, 12" Diameter	208.77	7.54
46 82 13 00-0035	EA	Wilfley Weber Dura-Disc Plus Diffuser, .5 To 7 SCFM	122.68	7.54
46 82 13 00-0036	EA	Wilfley Weber Dura-Disc Plus Diffuser, 3 To 10 SCFM	122.68	7.54
46 82 13 00-0037	EA	Clog-Free Bottom Discharge Diffuser, Acrylonitrile Butadiene Styrene (ABS) Plastic, 5" Diameter	53.26	7.54
46 82 13 00-0038	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 3 CFM Max	40.50	7.54
46 82 13 00-0039	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 12 CFM Max	44.96	7.54
46 82 13 00-0040	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, .5-3 CFM	34.47	7.54
46 82 13 00-0041	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, 3-12 CFM	39.08	7.54
46 82 13 00-0042	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 0.5-3 CFM	130.61	7.54
46 82 13 00-0043	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 3-12 CFM	170.74	7.54
46 82 13 00-0044	EA	USFilter Discfuser Diffuser	97.13	7.54
46 82 13 00-0045	EA	Flexoplate Diffuser	126.45	9.42
46 82 13 00-0046	EA	Flexoplate Ethylene Propylene Diene Monomer (EPDM) Replacement Membrane	82.02	5.65
46 82 13 00-0047	EA	Ceramic Tube Diffuser 24", 316 Stainless Steel Hardware	152.42	5.65
46 82 13 00-0048	EA	Refractron 7" Ceramic Dome Diffuser	72.79	5.65
46 82 13 00-0049	EA	2" Single Outlet Polyvinyl Chloride (PVC) Saddle	56.93	5.65
46 82 13 00-0050	EA	2" Double Outlet Polyvinyl Chloride (PVC) Saddle	62.95	5.65
46 82 13 00-0051	EA	3" Single Outlet Polyvinyl Chloride (PVC) Saddle	74.06	6.40
46 82 13 00-0052	EA	3" Double Outlet Polyvinyl Chloride (PVC) Saddle	82.14	6.40
46 82 13 00-0053	EA	4" Single Outlet Polyvinyl Chloride (PVC) Saddle	91.15	7.16
46 82 13 00-0054	EA	4" Double Outlet Polyvinyl Chloride (PVC) Saddle	101.30	7.16
46 82 13 00-0055	EA	6" Single Outlet Polyvinyl Chloride (PVC) Saddle	102.55	7.91
46 82 13 00-0056	EA	6" Double Outlet Polyvinyl Chloride (PVC) Saddle	126.87	7.91
46 82 13 00-0057		**Miscellaneous Items** *(46 82 13)*		
46 82 13 00-0058	EA	Plastic Air Diffuser With 3/4" Diameter NPT Threaded Base And Brass Check Valve	24.30	7.54
46 82 13 00-0059	EA	1-1/4" x 18'-4" Stainless Steel Aeration Drain Gate Stem Assembly	1,041.97	79.00
46 82 13 00-0060	EA	1-3/4" x 23' - 11.25" Stainless Steel Aeration Drain Gate Stem Assembly	1,473.17	189.61
46 82 23		**Water Treatment Clarifiers** *(46 82)*		
46 82 23 00-0001		**Wastewater Clarifier/Interceptors, Model HYGI** *(46 82 23)*		
46 82 23 00-0002	EA	750 Gallon Precast Reinforced Clarifier	3,709.10	468.85
46 82 23 00-0003	EA	1,000 Gallon Precast Reinforced Clarifier	3,999.82	586.07
46 82 23 00-0004	EA	1,250 Gallon Precast Reinforced Clarifier	4,317.02	703.27
46 82 23 00-0005	EA	1,500 Gallon Precast Reinforced Clarifier	5,060.72	937.70
46 82 23 00-0006	LF	12' High Risers, Elevating Height Of Tank, Add Per LF	190.34	
46 82 33		**Water Treatment Digesters** *(46 82)*		
46 82 33 00-0001		**Digester Cleaning Services** *(46 82 33)*		
46 82 33 00-0002		**Digester Cleaning Services** *(46 82 33 00-0001)* Note: All dewatering operations shall occur on site. See CSI section 01 22 20 00-0050 for gas monitoring.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 33 00-0003		**Digester Dewatering** *(46 82 33 00-0002)* Note: Includes moving material from the digester to the mobile dewatering system and processing the material.		
46 82 33 00-0004	CF	Digester Tank Cleaning, Minimum 10,000 CF For Each Tank	1.54	
		For >50,000, Deduct	*-0.12*	
46 82 33 00-0005		**Digester Residual Transportation And Disposal** *(46 82 33 00-0002)* Note: Includes transporting digester residuals from mobile dewatering system to landfill including landfill fee.		
46 82 33 00-0006	TON	Transportation And Disposal Of Digester Residuals	73.05	
46 82 36		**Water Treatment Separator** *(46 82)*		
46 82 36 00-0001		**Commercial Service Centrifugal Separators** *(46 82 36)* Note: For water well applications sealed unit, includes support stand.		
46 82 36 00-0002	EA	4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators Note: Includes support stand.	4,942.60	317.34
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0003	EA	5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators Note: Includes support stand.	6,285.28	352.60
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0004	EA	6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators Note: Includes support stand.	6,437.30	370.23
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0005	EA	8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators Note: Includes support stand.	8,150.19	387.79
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0006		**Commercial Service Centrifugal Separators** *(46 82 36)* Note: For water well applications sealed unit with removable top, includes support stand.		
46 82 36 00-0007	EA	4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators With Removable Top Note: Includes support stand.	6,995.19	317.34
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0008	EA	5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators With Removable Top Note: Includes support stand.	8,479.22	352.60
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0009	EA	6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators With Removable Top Note: Includes support stand.	8,821.74	370.23
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0010	EA	8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators With Removable Top, Includes Support Stand	10,651.40	387.79
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 73		**Water Treatment Tanks/Tank Liners** *(46 82)*		
46 82 73 00-0001		**Sewage Treatment Tank Components** *(46 82 73)* Note: All metal components shall be primed and painted.		
46 82 73 00-0002		**Drive Chains - 78 Series** *(46 82 73 00-0001)*		
46 82 73 00-0003	LF	HB78 403 Stainless Steel Drive Chain	149.63	2.97
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-6.10*	
		For Extra Material Parts (No Labor), Add	*40.24*	
46 82 73 00-0004	LF	H78 Reinforced Nylon Drive Chain, Glass Reinforced Nylon Links With Stainless Steel Pins	118.92	2.97
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000, Deduct	*-5.50*	
		For Extra Material Parts (No Labor), Add	*28.10*	
46 82 73 00-0005	LF	H78 Acetal Resin Drive Chain With Acetal Resin Pins	119.16	2.97
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-4.30*	
		For Extra Material Parts (No Labor), Add	*31.90*	
46 82 73 00-0006	LF	H78 Cast Metal Drive Chain	151.67	2.97
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000, Deduct	*-7.70*	
		For Extra Material Parts (No Labor), Add	*41.10*	
46 82 73 00-0007	LF	Removal And Reinstallation Of Drive Chain	15.68	
46 82 73 00-0008		**Flight Chains - 700 Series** *(46 82 73 00-0001)*		
46 82 73 00-0009	LF	720S Cast Metal Chain	164.81	3.91
		For >500 To 1,000, Deduct	*-8.44*	
		For >1,000, Deduct	*-12.94*	
		For Extra Material Parts (No Labor), Add	*156.99*	
46 82 73 00-0010	EA	6" Or 8" Cast Metal Flight Attachment	294.07	5.86
		For >500 To 1,000, Deduct	*-15.18*	
		For >1,000, Deduct	*-23.28*	
		For Extra Material Parts (No Labor), Add	*282.35*	
46 82 73 00-0011	LF	SAV715 403 Stainless Steel Flight Chain	155.65	1.95
		For >500 To 1,000, Deduct	*-8.16*	
		For >1,000, Deduct	*-12.51*	
		For Extra Material Parts (No Labor), Add	*151.74*	
46 82 73 00-0012	EA	6" Or 8" Stainless Steel Flight Attachment	154.54	5.86
		For >500 To 1,000, Deduct	*-7.68*	
		For >1,000, Deduct	*-11.78*	
		For Extra Material Parts (No Labor), Add	*142.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0013	LF	NM720-CS Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links	67.35	5.86
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-5.23*	
		For Extra Material Parts (No Labor), Add	*63.44*	
46 82 73 00-0014	EA	6" Or 8" Polyester Flight Attachment	48.78	5.86
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-3.06*	
		For Extra Material Parts (No Labor), Add	*37.06*	
46 82 73 00-0015	LF	HS730 Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links	117.02	1.95
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000, Deduct	*-9.33*	
		For Extra Material Parts (No Labor), Add	*113.11*	
46 82 73 00-0016	EA	8" Polyester Flight Attachment	136.24	5.86
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000, Deduct	*-10.27*	
		For Extra Material Parts (No Labor), Add	*124.52*	
46 82 73 00-0017	LF	NCS 720S Acetal Resin Flight Chain	66.23	1.95
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-5.14*	
		For Extra Material Parts (No Labor), Add	*62.32*	
46 82 73 00-0018	EA	6" Or 8" Acetal Resin Flight Attachment	48.59	5.86
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000, Deduct	*-3.04*	
		For Extra Material Parts (No Labor), Add	*36.87*	
46 82 73 00-0019	LF	Removal And Reinstallation Of Flight Chain	31.01	

46 82 73 00-0020 Chain Tensioner *(46 82 73 00-0001)*

46 82 73 00-0021	EA	Stainless Steel Snap Idler With 316 Stainless Steel Straps; Snap Idle #180SS	1,252.21	19.54
		For >25 To 50, Deduct	*-89.89*	
		For >50, Deduct	*-146.06*	
		For Extra Material Parts (No Labor), Add	*1,213.14*	
46 82 73 00-0022	EA	Removal And Reinstallation Of Chain Tensioner	58.60	

46 82 73 00-0023 Torque Limiter *(46 82 73 00-0001)*

46 82 73 00-0024	EA	Torque Limiter (Brunel JSE1-0228)	13,954.88	17.36
		For >5 To 10, Deduct	*-257.52*	
		For >10, Deduct	*-501.13*	
		For Extra Material Parts (No Labor), Add	*13,920.15*	
46 82 73 00-0025	EA	Torque Limiter (Brunel JSE1-0230)	16,956.21	19.45
		For >5 To 10, Deduct	*-312.97*	
		For >10, Deduct	*-609.02*	
		For Extra Material Parts (No Labor), Add	*16,917.31*	
46 82 73 00-0026	EA	Torque Limiter (Brunel JSE1-0401)	10,700.34	21.88
		For >5 To 10, Deduct	*-354.86*	
		For >10, Deduct	*-592.51*	
		For Extra Material Parts (No Labor), Add	*10,656.58*	
46 82 73 00-0027	EA	Torque Limiter (Brunel JSE1-0402)	12,659.20	26.04
		For >5 To 10, Deduct	*-419.82*	
		For >10, Deduct	*-700.96*	
		For Extra Material Parts (No Labor), Add	*12,607.11*	
46 82 73 00-0028	EA	Spare Externally Adjustable Safety Elements For All Sizes	3,829.71	
46 82 73 00-0029	EA	Removal And Reinstallation Of Torque Limiter	115.83	

46 82 73 00-0030 Drive Sprockets Rims *(46 82 73 00-0001)*

Note: Sprocket and rim includes stainless steel hardware.

46 82 73 00-0031	EA	11 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	429.59	17.36
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-24.36*	
		For Extra Material Parts (No Labor), Add	*394.86*	
46 82 73 00-0032	EA	12 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	460.52	17.36
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-26.27*	
		For Extra Material Parts (No Labor), Add	*425.79*	
46 82 73 00-0033	EA	13 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	477.17	17.36
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-27.30*	
		For Extra Material Parts (No Labor), Add	*442.44*	
46 82 73 00-0034	EA	Polyurethane Segmental Rim Replacement Plate Sprocket Ring Only	1,005.24	17.36
		For >50 To 100, Deduct	*-34.26*	
		For >100, Deduct	*-59.88*	
		For Extra Material Parts (No Labor), Add	*970.51*	
46 82 73 00-0035	EA	UHMW-PE Segmental Rim Replacement Plate Sprocket Ring Only	812.56	17.36
		For >50 To 100, Deduct	*-63.32*	
		For >100, Deduct	*-94.20*	
		For Extra Material Parts (No Labor), Add	*777.83*	
46 82 73 00-0036	EA	Solid Polyurethane Drive Sprocket With Shear Pin Device	4,923.46	17.36
		For >50 To 100, Deduct	*-397.94*	
		For >100, Deduct	*-592.03*	
		For Extra Material Parts (No Labor), Add	*4,888.73*	
46 82 73 00-0037	EA	Solid Polyurethane Drive Sprocket With Shear Pin Device And Alarm Device	5,786.43	17.36
		For >50 To 100, Deduct	*-468.19*	
		For >100, Deduct	*-696.53*	
		For Extra Material Parts (No Labor), Add	*5,751.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0038	EA	Cast Nylon NH78, 11 Tooth, Sprocket Segments	645.29	17.36
		For Extra Material Parts (No Labor), Add	*610.56*	
46 82 73 00-0039	EA	Cast Nylon NH78, 12 Tooth, Sprocket Segments	659.69	17.36
		For Extra Material Parts (No Labor), Add	*624.96*	
46 82 73 00-0040	EA	Cast Nylon NH78, 10 Tooth Drive Sprocket Assembly (Hub, Sprocket, Shear Pin)	2,237.55	17.36
		For Extra Material Parts (No Labor), Add	*2,202.82*	
46 82 73 00-0041	EA	Removal And Reinstallation Of Drive Sprocket	52.09	

46 82 73 00-0042 Driven Sprockets *(46 82 73 00-0001)*

46 82 73 00-0043	EA	Cast Iron Driven Sprocket Body For 40 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,352.96	26.04
		For Extra Material Parts (No Labor), Add	*3,300.87*	
46 82 73 00-0044	EA	Cast Iron Driven Sprocket Body For 43 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,520.71	26.04
		For Extra Material Parts (No Labor), Add	*3,468.62*	
46 82 73 00-0045	EA	Cast Iron Driven Sprocket Body For 48 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,760.41	26.04
		For Extra Material Parts (No Labor), Add	*3,708.32*	
46 82 73 00-0046	EA	Split Polyester Driven Sprocket Including Polyester Segmental Teeth	7,380.80	17.36
		For Extra Material Parts (No Labor), Add	*7,346.07*	
46 82 73 00-0047	EA	Polyurethane Segmental Rims For Use With Driven Sprocket Bodies	1,388.38	17.36
		For Extra Material Parts (No Labor), Add	*1,353.65*	
46 82 73 00-0048	EA	UHMW-PE Segmental Rim For Use With Driven Sprocket Bodies	1,388.38	17.36
		For Extra Material Parts (No Labor), Add	*1,353.65*	
46 82 73 00-0049	EA	UHMW-PE HB 78 40 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,124.70	17.36
		For Extra Material Parts (No Labor), Add	*1,089.97*	
46 82 73 00-0050	EA	UHMW-PE HB 78 43 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,302.10	17.36
		For Extra Material Parts (No Labor), Add	*1,267.37*	
46 82 73 00-0051	EA	UHMW-PE HB 78 48 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,340.42	17.36
		For Extra Material Parts (No Labor), Add	*1,305.69*	
46 82 73 00-0052	EA	Cast Nylon NH78 43 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies	2,155.44	17.36
		For Extra Material Parts (No Labor), Add	*2,120.71*	
46 82 73 00-0053	EA	Cast Nylon NH78 48 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies	2,275.28	17.36
		For Extra Material Parts (No Labor), Add	*2,240.55*	
46 82 73 00-0054	EA	Cast Nylon Driven Sprocket, NH78, 40 Tooth, With Keyway	3,672.62	17.36
		For Extra Material Parts (No Labor), Add	*3,637.89*	
46 82 73 00-0055	EA	Removal And Reinstallation Of Driven Sprocket Segmental Rims	52.09	
46 82 73 00-0056	EA	Removal And Reinstallation Of Driven Sprocket Body	52.09	
46 82 73 00-0057	EA	Scrape And Wire Brush Cast Iron Driven Sprocket Body	34.73	
46 82 73 00-0058	EA	Prime And Paint Existing Sprocket Drive Body	30.47	

46 82 73 00-0059 Idler And Head Sprockets - Hubs *(46 82 73 00-0001)*

46 82 73 00-0060	EA	Cast Iron Split Body Sprocket Hubs With 3/4" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted)	1,709.37	34.73
		For 2 Set Screws Only, Add	*29.25*	
		For Keyway And Set Screws, Add	*38.50*	
		For Extra Material Parts (No Labor), Add	*1,639.92*	
46 82 73 00-0061	EA	Cast Iron Split Body Sprocket Hubs With Heavy 1" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted)	2,060.42	34.73
		For Keyway And Set Screws, Add	*38.50*	
		For Extra Material Parts (No Labor), Add	*1,990.97*	
46 82 73 00-0062	EA	Cast Iron Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway (Cast Iron Idler Sprocket Hubs - Primed And Painted)	7,310.71	34.73
		For >50 To 100, Deduct	*-719.78*	
		For >100, Deduct	*-1,549.63*	
		For Extra Material Parts (No Labor), Add	*7,241.26*	
46 82 73 00-0063	EA	Fabricated Steel Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway	6,321.98	34.73
		For >50 To 100, Deduct	*-358.27*	
		For >100, Deduct	*-1,338.04*	
		For Extra Material Parts (No Labor), Add	*6,252.53*	

46 82 73 00-0064 Idler And Head Sprockets - Segmental Rims *(46 82 73 00-0001)*

Note: UHMW segmental rims for use with split body hubs.

46 82 73 00-0065	EA	UHMW-PE 23 Tooth Segmental Rim With Chainsaver Flange, 22.21" Pitch (For Use With Split Body Hubs)	1,158.76	17.36
		For Extra Material Parts (No Labor), Add	*1,124.03*	
46 82 73 00-0066	EA	UHMW-PE 23 Tooth Segmental Rim With Standard Rim, 22.21" Pitch (For Use With Split Body Hubs)	985.76	17.36
		For Extra Material Parts (No Labor), Add	*951.03*	
46 82 73 00-0067	EA	UHMW-PE 23 Tooth Segmental Rim With Standard Rim (For Use With Split Body Hubs)	1,084.57	17.36
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-60.00*	
		For Extra Material Parts (No Labor), Add	*1,049.84*	
46 82 73 00-0068	EA	Polyurethane 23 Tooth Segmental Rims With Standard Rim (For Use With Split Body Hubs)	1,282.36	17.36
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-60.00*	
		For Extra Material Parts (No Labor), Add	*1,247.63*	
46 82 73 00-0069	EA	Cast Nylon 19 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs)	1,257.62	17.36
		For Extra Material Parts (No Labor), Add	*1,222.89*	
46 82 73 00-0070	EA	Cast Nylon 23 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs)	1,307.07	17.36
		For Extra Material Parts (No Labor), Add	*1,272.34*	

46 82 73 00-0071 Idler And Head Sprockets - Split Sprockets *(46 82 73 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0072	EA	UHM-PE 23 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore	1,160.05	17.36
		For Set Screws Only, Add	*11.00*	
		For Keyway And Set Screws, Add	*25.00*	
		For Extra Material Parts (No Labor), Add	*1,125.32*	
46 82 73 00-0073	EA	UHM-PE 17 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore	1,143.92	17.36
		For Set Screws Only, Add	*11.00*	
		For Keyway And Set Screws, Add	*25.00*	
		For Extra Material Parts (No Labor), Add	*1,109.19*	
46 82 73 00-0074	EA	UHM-PE 23 Tooth Split Sprocket For NCS 720	2,271.11	17.36
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-48.00*	
		For >100, Deduct	*-90.00*	
		For Extra Material Parts (No Labor), Add	*2,236.38*	
46 82 73 00-0075	EA	Polyurethane 23 Tooth Split Sprocket For NCS 720	3,284.58	17.36
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-60.00*	
		For >100, Deduct	*-120.00*	
		For Extra Material Parts (No Labor), Add	*3,249.85*	
46 82 73 00-0076	EA	Polyurethane 23 Tooth Split Sprocket For HS 720	2,963.24	17.36
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-72.00*	
		For >100, Deduct	*-132.00*	
		For Extra Material Parts (No Labor), Add	*2,928.51*	
46 82 73 00-0077	EA	Cast Nylon 23 Tooth Split Sprocket With Chainsaver Rim	1,514.71	17.36
		For Set Screws Only, Add	*17.00*	
		For Keyway And Set Screws, Add	*27.00*	
		For Extra Material Parts (No Labor), Add	*1,479.98*	
46 82 73 00-0078	EA	Cast Nylon 17 Tooth, Solid Sprocket	1,430.67	17.36
		For Extra Material Parts (No Labor), Add	*1,395.94*	
46 82 73 00-0079	EA	Removal And Reinstallation Of Idler Or Head Sprocket Segmental Rims	69.45	
46 82 73 00-0080	EA	Removal And Reinstallation Of Idler Or Head Sprocket Hubs	34.73	
46 82 73 00-0081	EA	Removal And Reinstallation Of Idler Or Head Split Sprocket	34.73	
46 82 73 00-0082	EA	Scrape And Wire Brush Idler Or Head Sprocket Hub	34.73	
46 82 73 00-0083	EA	Prime And Paint Existing Idler Or Head Sprocket Hub	30.47	

46 82 73 00-0084 Sleeve Bearings *(46 82 73 00-0001)*

46 82 73 00-0085	EA	UHMW Sleeve Bearing With SS Clamps	500.40	8.68
		For >50 To 100, Deduct	*-33.47*	
		For >100, Deduct	*-66.95*	
		For Extra Material Parts (No Labor), Add	*483.04*	
46 82 73 00-0086	EA	UHMW 3 15/16" Sleeve Bearings For Use With Cast Nylon Set Collars	630.49	8.68
		For >50 To 100, Deduct	*-42.49*	
		For >100, Deduct	*-84.98*	
		For Extra Material Parts (No Labor), Add	*613.13*	
46 82 73 00-0087	EA	UHMW 4 7/16" Sleeve Bearings For Use With Cast Nylon Set Collars	691.48	8.68
		For >50 To 100, Deduct	*-46.72*	
		For >100, Deduct	*-93.43*	
		For Extra Material Parts (No Labor), Add	*674.12*	
46 82 73 00-0088	EA	UHMW Sleeve Bearing Assembly, 3 15/16" Shaft, Includes 2 Set Collars And Sleeve Bearing	1,016.80	26.04
		For >50 To 100, Deduct	*-66.85*	
		For >100, Deduct	*-133.71*	
		For Extra Material Parts (No Labor), Add	*964.71*	
46 82 73 00-0089	EA	UHMW Sleeve Bearing Assembly, 4 7/16" Shaft, Includes 2 Set Collars And Sleeve Bearing	1,040.25	26.04
		For >50 To 100, Deduct	*-68.48*	
		For >100, Deduct	*-136.96*	
		For Extra Material Parts (No Labor), Add	*988.16*	
46 82 73 00-0090	EA	UHMW PE Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores)	435.20	8.68
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-57.91*	
		For Extra Material Parts (No Labor), Add	*417.84*	
46 82 73 00-0091	EA	UHMW PE Static Shaft Only Sleeve Bearing For 3" LTB Sprockets (All Bores)	304.87	8.68
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-39.85*	
		For Extra Material Parts (No Labor), Add	*287.51*	
46 82 73 00-0092	EA	Cast Iron Static Shaft Support Bracket	847.93	8.68
		For >50 To 100, Deduct	*-57.56*	
		For >100, Deduct	*-115.12*	
		For Extra Material Parts (No Labor), Add	*830.57*	
46 82 73 00-0093	EA	Polyurethane Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores)	1,173.76	8.68
		For >50 To 100, Deduct	*-125.12*	
		For >100, Deduct	*-250.24*	
		For Extra Material Parts (No Labor), Add	*1,156.40*	
46 82 73 00-0094	EA	Removal And Reinstallation Of Sleeve Bearing	27.78	

46 82 73 00-0095 Collector Flights *(46 82 73 00-0001)*

Note: Includes 316 stainless steel hardware.

46 82 73 00-0096	LF	6" Nominal C Channel Fiberglass Flights	36.45	0.91
		For >1,000 To 10,000, Deduct	*-1.92*	
		For >10,000, Deduct	*-3.86*	
		For Extra Material Parts (No Labor), Add	*34.71*	
46 82 73 00-0097	LF	8" Nominal C Channel Fiberglass Flights	41.70	0.91
		For >1,000 To 10,000, Deduct	*-2.21*	
		For >10,000, Deduct	*-4.44*	
		For Extra Material Parts (No Labor), Add	*39.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0098	LF	6" Actual C Channel Fiberglass Flights	44.32	0.91
		For >1,000 To 10,000, Deduct	*-2.36*	
		For >10,000, Deduct	*-4.73*	
		For Extra Material Parts (No Labor), Add	*42.58*	
46 82 73 00-0099	LF	8" Actual C Channel Fiberglass Flights	49.55	0.91
		For >1,000 To 10,000, Deduct	*-2.65*	
		For >10,000, Deduct	*-5.31*	
		For Extra Material Parts (No Labor), Add	*47.81*	
46 82 73 00-0100	LF	6" Nominal Sigma Fiberglass Flights	50.86	0.91
		For >1,000 To 10,000, Deduct	*-2.72*	
		For >10,000, Deduct	*-5.46*	
		For Extra Material Parts (No Labor), Add	*49.12*	
46 82 73 00-0101	LF	8" Nominal Sigma Fiberglass Flights	52.19	0.91
		For >1,000 To 10,000, Deduct	*-2.79*	
		For >10,000, Deduct	*-5.60*	
		For Extra Material Parts (No Labor), Add	*50.45*	
46 82 73 00-0102	LF	8" Nominal Sigma Plus Fiberglass Flights	49.55	0.91
		For >1,000 To 10,000, Deduct	*-2.65*	
		For >10,000, Deduct	*-5.31*	
		For Extra Material Parts (No Labor), Add	*47.81*	
46 82 73 00-0103	LF	8" Nominal High Strength Diamond Fiberglass Flights	57.43	0.91
		For >1,000 To 10,000, Deduct	*-3.09*	
		For >10,000, Deduct	*-6.19*	
		For Extra Material Parts (No Labor), Add	*55.69*	
46 82 73 00-0104	LF	6" Nominal Laminated Douglas Fir Flights	65.88	1.32
		For >1,000 To 10,000, Deduct	*-8.38*	
		For >10,000, Deduct	*-12.21*	
		For Extra Material Parts (No Labor), Add	*63.27*	
46 82 73 00-0105	LF	7-1/2" Nominal Laminated Douglas Fir Flights	84.44	1.32
		For >1,000 To 10,000, Deduct	*-10.84*	
		For >10,000, Deduct	*-15.79*	
		For Extra Material Parts (No Labor), Add	*81.83*	
46 82 73 00-0106	LF	3" x 6" Actual Laminated Douglas Fir Flights	91.62	1.32
		For >1,000 To 10,000, Deduct	*-11.79*	
		For >10,000, Deduct	*-17.18*	
		For Extra Material Parts (No Labor), Add	*89.01*	
46 82 73 00-0107	LF	3" x 8" Actual Laminated Douglas Fir Flights	107.75	1.32
		For >1,000 To 10,000, Deduct	*-13.93*	
		For >10,000, Deduct	*-20.29*	
		For Extra Material Parts (No Labor), Add	*105.14*	
46 82 73 00-0108	EA	Removal And Reinstallation Of Fiberglass Or Wood Flights (Remove And Store), Per Flight Note: Including Filler Blocks	34.78	
46 82 73 00-0109	EA	New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Flight	30.75	
46 82 73 00-0110	LF	Scrape And Wire Brush Existing Flights	2.79	

46 82 73 00-0111 Squeegee *(46 82 73 00-0001)*

46 82 73 00-0112	LF	1/2" x 4" UHMW Flight Squeegee	29.90	0.91
		For Extra Material Parts (No Labor), Add	*28.16*	
46 82 73 00-0113	LF	Buna N Squeegee	28.67	0.91
		For Extra Material Parts (No Labor), Add	*26.93*	
46 82 73 00-0114	EA	Removal And Reinstallation Of Squeegee, Per Flight (Remove And Store)	34.79	
46 82 73 00-0115	EA	New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Squeegee	27.67	
46 82 73 00-0116	LF	Scrape And Wire Brush Existing Squeegee	2.79	

46 82 73 00-0117 Filler Blocks *(46 82 73 00-0001)*

46 82 73 00-0118	EA	6" Polyurethane Filler Block	21.48	0.91
		For Extra Material Parts (No Labor), Add	*19.74*	
46 82 73 00-0119	EA	8" Polyurethane Filler Block	21.48	0.91
		For Extra Material Parts (No Labor), Add	*19.74*	
46 82 73 00-0120	EA	6" Polypropylene Filler Block	30.09	0.91
		For Extra Material Parts (No Labor), Add	*28.35*	
46 82 73 00-0121	EA	8" Polypropylene Filler Block	30.09	0.91
		For Extra Material Parts (No Labor), Add	*28.35*	

46 82 73 00-0122 Return Rails *(46 82 73 00-0001)*

46 82 73 00-0123	LF	3" x 3" x 3/8" Fiberglass Reinforced Polyester (FRP) Return Rail	67.55	1.74
		For Extra Material Parts (No Labor), Add	*64.08*	
46 82 73 00-0124	LF	3" x 3" x 3/8" Steel Return Rail	69.12	1.74
		For Extra Material Parts (No Labor), Add	*65.65*	
46 82 73 00-0125	LF	3" x 3" x 3/8" Stainless Steel Return Rail	127.64	1.74
		For >1,000 To 10,000, Deduct	*-6.02*	
		For >10,000, Deduct	*-12.09*	
		For Extra Material Parts (No Labor), Add	*124.17*	
46 82 73 00-0126	LF	Non-Metallic "J" Track	78.00	0.91
		For >1,000 To 10,000, Deduct	*-3.70*	
		For >10,000, Deduct	*-7.43*	
		For Extra Material Parts (No Labor), Add	*76.26*	
46 82 73 00-0127	LF	Scrape And Wire Brush Existing Return Rails	2.79	

46 82 73 00-0128 Return Rails Brackets *(46 82 73 00-0001)*

46 82 73 00-0129	EA	Cast Nylon Wall Mounted Bracket For Return Rails	395.69	8.68
		For Extra Material Parts (No Labor), Add	*378.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0130	EA	Cast Nylon Intermediate Bracket For Return Rails (T-Up)	551.74	8.68
		For Extra Material Parts (No Labor), Add	*534.38*	
46 82 73 00-0131	EA	Non-Metallic Wall Mounted Bracket For Return Rails	177.33	8.68
		For Extra Material Parts (No Labor), Add	*159.94*	
46 82 73 00-0132	EA	Scrape And Wire Brush Existing Return Rail Bracket	34.79	
46 82 73 00-0133	EA	Prime And Paint Existing Return Rail Bracket	30.48	

46 82 73 00-0134 Wear Shoes *(46 82 73 00-0001)*

Note: Floor and return. With or without lugs. Includes stainless steel hardware.

46 82 73 00-0135	EA	3" x 3" x 4" x 1/2" Polyurethane Wear Shoes	86.92	5.21
		For Extra Material Parts (No Labor), Add	*76.50*	
46 82 73 00-0136	EA	3" x 3" x 5-1/2" x 1/2" Polyurethane Wear Shoes	86.92	5.21
		For Extra Material Parts (No Labor), Add	*76.50*	
46 82 73 00-0137	EA	3" x 3" x 4" x 1/2" Nylon Wear Shoes	79.71	5.21
		For Extra Material Parts (No Labor), Add	*69.29*	
46 82 73 00-0138	EA	3" x 3" x 5-1/2" x 1/2" Nylon Wear Shoes	80.71	5.21
		For Extra Material Parts (No Labor), Add	*70.29*	
46 82 73 00-0139	EA	3" x 3" x 7" x 1/2" Nylon Wear Shoes	84.52	5.21
		For Extra Material Parts (No Labor), Add	*74.10*	
46 82 73 00-0140	EA	3" x 3" x 4" x 1/2" UHMW Wear Shoes	86.18	5.21
		For Extra Material Parts (No Labor), Add	*75.76*	
46 82 73 00-0141	EA	3" x 3" x 5-1/2" x 1/2" UHMW Wear Shoes	87.39	5.21
		For Extra Material Parts (No Labor), Add	*76.97*	
46 82 73 00-0142	EA	3" x 3" x 4" x 1/2" Steel Wear Shoes	95.32	5.21
		For Extra Material Parts (No Labor), Add	*84.90*	
46 82 73 00-0143	EA	3" x 3" x 5-1/2" x 1/2" Steel Wear Shoes	100.12	5.21
		For Extra Material Parts (No Labor), Add	*89.70*	
46 82 73 00-0144	EA	3" x 3" x 6" x 1/2" Steel Wear Shoes	102.52	5.21
		For Extra Material Parts (No Labor), Add	*92.10*	
46 82 73 00-0145	EA	3" x 3" x 7" x 1/2" Steel Wear Shoes	103.69	5.21
		For Extra Material Parts (No Labor), Add	*93.27*	
46 82 73 00-0146	EA	Removal And Reinstallation Of Wear Shoe	15.97	

46 82 73 00-0147 Wear Strips *(46 82 73 00-0001)*

Note: Add 1/4" stainless steel 316 self tapping screws and washers at 2.5' on-center

46 82 73 00-0148	LF	2-5/8" x 3/8" UHMW Wear Strip	44.93	1.74
		For >1,000 To 5,000, Deduct	*-1.80*	
		For >5,000 LF, Deduct	*-3.51*	
		For Extra Material Parts (No Labor), Add	*41.46*	
46 82 73 00-0149	LF	3" x 3/8" UHMW Wear Strip	55.30	1.74
		For >1,000 To 5,000, Deduct	*-2.25*	
		For >5,000 LF, Deduct	*-4.39*	
		For Extra Material Parts (No Labor), Add	*51.83*	
46 82 73 00-0150	LF	4-1/4" x 3/8" C-Shape UHMW Wear Strip For Floor Or Return Track	80.35	1.04
		For >1,000 To 5,000, Deduct	*-3.40*	
		For >5,000 LF, Deduct	*-6.63*	
		For Extra Material Parts (No Labor), Add	*78.26*	
46 82 73 00-0151	LF	3" x 1/2" Steel Wear Strip	86.72	1.74
		For >1,000 To 5,000, Deduct	*-3.61*	
		For >5,000 LF, Deduct	*-7.05*	
		For Extra Material Parts (No Labor), Add	*83.25*	
46 82 73 00-0152	LF	4" x 1/2" Steel Wear Strip	93.03	1.74
		For >1,000 To 5,000, Deduct	*-3.89*	
		For >5,000 LF, Deduct	*-7.59*	
		For Extra Material Parts (No Labor), Add	*89.56*	
46 82 73 00-0153	LF	5" x 1/2" Steel Wear Strip	99.31	1.74
		For >1,000 To 5,000, Deduct	*-4.16*	
		For >5,000 LF, Deduct	*-8.12*	
		For Extra Material Parts (No Labor), Add	*95.84*	
46 82 73 00-0154	LF	6" x 1/2" Steel Wear Strip	118.19	1.74
		For >1,000 To 5,000, Deduct	*-4.98*	
		For >5,000 LF, Deduct	*-9.72*	
		For Extra Material Parts (No Labor), Add	*114.72*	
46 82 73 00-0155	LF	3" x 5/8" Steel Wear Strip	88.32	1.74
		For >1,000 To 5,000, Deduct	*-3.68*	
		For >5,000 LF, Deduct	*-7.19*	
		For Extra Material Parts (No Labor), Add	*84.85*	
46 82 73 00-0156	LF	4" x 5/8" Steel Wear Strip	94.62	1.74
		For >1,000 To 5,000, Deduct	*-3.96*	
		For >5,000 LF, Deduct	*-7.72*	
		For Extra Material Parts (No Labor), Add	*91.15*	
46 82 73 00-0157	LF	5" x 5/8" Steel Wear Strip	100.93	1.74
		For >1,000 To 5,000, Deduct	*-4.23*	
		For >5,000 LF, Deduct	*-8.25*	
		For Extra Material Parts (No Labor), Add	*97.46*	
46 82 73 00-0158	LF	6" x 5/8" Steel Wear Strip	111.91	1.74
		For >1,000 To 5,000, Deduct	*-4.71*	
		For >5,000 LF, Deduct	*-9.18*	
		For Extra Material Parts (No Labor), Add	*108.44*	
46 82 73 00-0159	LF	Scrape And Brush Existing Wear Strips	2.78	1.39

46 82 73 00-0160 Set Collars *(46 82 73 00-0001)*

46 82 73 00-0161	EA	3-15/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws	373.93	8.68
		For Extra Material Parts (No Labor), Add	*356.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0162	EA	4-7/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws	406.37	8.68
		For Extra Material Parts (No Labor), Add	*389.01*	
46 82 73 00-0163	EA	Cast Nylon Set Collar With Hardware, All Bore Sizes	220.69	8.68
		For Extra Material Parts (No Labor), Add	*203.33*	
46 82 73 00-0164	EA	Removal And Reinstallation Of Set Collar	24.31	
46 82 73 00-0165	EA	Scrape And Wire Brush Existing Set Collar	34.73	
46 82 73 00-0166	EA	Prime And Paint Existing Set Collar	30.47	

46 82 73 00-0167 Idler Stub Shafts *(46 82 73 00-0001)*

46 82 73 00-0168	EA	Cast Nylon Idler Stub Shaft Assembly, Mounts To Wall With 3 Or 4 Stainless Steel Anchors Note: Excludes sprocket.	2,697.96	34.73
		For Extra Material Parts (No Labor), Add	*2,628.51*	
46 82 73 00-0169	EA	Cast Nylon Idler Stub Shaft Assembly Note: Excludes sprocket.	1,872.60	34.73
		For >50 To 100, Deduct	*-96.29*	
		For >100, Deduct	*-192.58*	
		For Extra Material Parts (No Labor), Add	*1,803.15*	
46 82 73 00-0170	EA	Fabricated Steel Stub Shaft Assembly Note: Excludes sprocket.	2,762.47	34.73
		For >50 To 100, Deduct	*-143.81*	
		For >100, Deduct	*-287.61*	
		For Extra Material Parts (No Labor), Add	*2,693.02*	
46 82 73 00-0171	EA	Non-Metallic Stub Shaft Assembly Note: Excludes sprocket.	2,762.47	34.73
		For >50 To 100, Deduct	*-143.81*	
		For >100, Deduct	*-287.61*	
		For Extra Material Parts (No Labor), Add	*2,693.02*	
46 82 73 00-0172	EA	Scrape And Wire Brush Stub Shaft Assembly	69.45	

46 82 73 00-0173 Shafts *(46 82 73 00-0001)*

46 82 73 00-0174	LF	4-7/16" Steel Shafts, Plain	241.66	3.47
		For Extra Material Parts (No Labor), Add	*234.71*	
46 82 73 00-0175	LF	4-7/16" Steel Shafts, Keyway, Set Screws	194.99	3.47
		For Extra Material Parts (No Labor), Add	*188.04*	
46 82 73 00-0176	EA	Removal And Reinstallation Of Static Shaft	69.45	
46 82 73 00-0177	EA	Removal And Reinstallation Of Dynamic Shaft	69.45	
46 82 73 00-0178	LF	Scrape And Wire Brush Existing Shaft	10.42	
46 82 73 00-0179	LF	Prime And Paint existing Shaft	5.86	

46 82 73 00-0180 Wall Bearings *(46 82 73 00-0001)*

46 82 73 00-0181	EA	3 7/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware	2,865.59	69.45
		For >100, Deduct	*-120.79*	
		For Polyurethane Liner, Add	*867.09*	
		For Polyurethane Liner, Quantities >100, Add	*620.32*	
		For Extra Material Parts (No Labor), Add	*2,726.70*	
46 82 73 00-0182	EA	4 15/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware	3,876.83	69.45
		For >100, Deduct	*-165.59*	
		For Polyurethane Liner, Add	*1,760.57*	
		For Polyurethane Liner, Quantities >100, Add	*1,098.95*	
		For Extra Material Parts (No Labor), Add	*3,737.94*	
46 82 73 00-0183	EA	3 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	4,550.73	34.73
		For >100, Deduct	*-198.52*	
		For Polyurethane Liner, Add	*748.37*	
		For Polyurethane Liner, Quantities >100, Add	*371.95*	
		For Extra Material Parts (No Labor), Add	*4,481.28*	
46 82 73 00-0184	EA	4 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	8,258.55	34.73
		For >100, Deduct	*-362.78*	
		For Polyurethane Liner, Add	*1,424.90*	
		For Polyurethane Liner, Quantities >100, Add	*712.45*	
		For Extra Material Parts (No Labor), Add	*8,189.10*	
46 82 73 00-0185	EA	3 7/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware	4,129.50	52.09
		For >100, Deduct	*-178.32*	
		For Polyurethane Liner, Add	*1,207.60*	
		For Polyurethane Liner, Quantities >100, Add	*603.80*	
		For Extra Material Parts (No Labor), Add	*4,025.33*	
46 82 73 00-0186	EA	4 15/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware	4,298.06	52.09
		For >100, Deduct	*-185.79*	
		For Polyurethane Liner, Add	*998.15*	
		For Polyurethane Liner, Quantities >100, Add	*398.42*	
		For Extra Material Parts (No Labor), Add	*4,193.89*	
46 82 73 00-0187	EA	3 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	1,737.67	34.73
		For UHMW-PE Liners, Add	*542.17*	
		For Extra Material Parts (No Labor), Add	*1,668.23*	
46 82 73 00-0188	EA	4 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	1,777.01	34.73
		For UHMW-PE Liners, Add	*554.96*	
		For Extra Material Parts (No Labor), Add	*1,707.57*	
46 82 73 00-0189	EA	Removal And Reinstallation Of Wall Bearing Or Bracket	138.88	
46 82 73 00-0190	EA	Scrape And Wire Brush Existing Wall Bearing Or Bracket	69.44	
46 82 73 00-0191	EA	Prime And Paint Wall Bearing Or Bracket	30.47	

46 82 76 Water Treatment Flame Arrestors *(46 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0001		Flame Arrestors And Traps *(46 82 76)*		
46 82 76 00-0002		Shand And Jurs Wastewater Equipment *(46 82 76 00-0001)*		
46 82 76 00-0003		Flanged Vertical Flame Arrestors *(46 82 76 00-0002)*		
		Note: Shand And Jurs 94309.		
46 82 76 00-0004	EA	2" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	16,655.01	100.54
46 82 76 00-0005	EA	4" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	21,258.96	214.95
46 82 76 00-0006	EA	6" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	24,478.65	271.51
46 82 76 00-0007	EA	8" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	29,291.68	346.94
46 82 76 00-0008	EA	12" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	30,802.23	504.65
46 82 76 00-0009		Flanged Combination Conservation Valve And Flame Arrestors *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97570.		
46 82 76 00-0010	EA	2" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	4,323.62	100.54
46 82 76 00-0011	EA	3" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	5,932.61	128.22
46 82 76 00-0012	EA	4" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	6,828.61	214.95
46 82 76 00-0013	EA	6" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	10,573.04	271.51
46 82 76 00-0014	EA	8" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	14,336.59	346.94
46 82 76 00-0015	EA	10" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	18,369.11	422.36
46 82 76 00-0016	EA	12" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	26,866.68	504.65
46 82 76 00-0017		Drip Traps *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97100.		
46 82 76 00-0018	EA	6 Quart Drip Trap Without Actuator	2,820.35	452.52
46 82 76 00-0019	EA	6 Quart Drip Trap With Actuator	11,399.85	452.52
46 82 76 00-0020		Sediment Traps *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97120.		
46 82 76 00-0021	EA	2" Sediment Trap, Hot Dipped Galvanized	6,749.40	226.26
46 82 76 00-0022	EA	3" Sediment Trap, Hot Dipped Galvanized	7,611.94	263.97
46 82 76 00-0023	EA	4" Sediment Trap, Hot Dipped Galvanized	8,212.09	301.68
46 82 76 00-0024	EA	6" Sediment Trap, Hot Dipped Galvanized	8,887.67	377.10
46 82 76 00-0025	EA	8" Sediment Trap, Hot Dipped Galvanized	14,548.29	452.52
46 82 76 00-0026	EA	10" Sediment Trap, Hot Dipped Galvanized	19,946.52	527.95
46 82 76 00-0027	EA	12" Sediment Trap, Hot Dipped Galvanized	24,013.60	593.70
46 82 76 00-0028		Flame Trap Assembly With Mounting Hardware *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97140.		
46 82 76 00-0029	EA	2" Stainless Steel Flame Trap Assembly With Mounting Hardware	6,749.40	226.26
46 82 76 00-0030	EA	3" Stainless Steel Flame Trap Assembly With Mounting Hardware	8,399.05	263.97
46 82 76 00-0031	EA	4" Stainless Steel Flame Trap Assembly With Mounting Hardware	10,311.05	301.68
46 82 76 00-0032	EA	6" Stainless Steel Flame Trap Assembly With Mounting Hardware	13,085.59	377.10
46 82 76 00-0033	EA	8" Stainless Steel Flame Trap Assembly With Mounting Hardware	21,369.91	452.52
46 82 76 00-0034	EA	10" Stainless Steel Flame Trap Assembly With Mounting Hardware	31,228.43	527.95
46 82 76 00-0035	EA	12" Stainless Steel Flame Trap Assembly With Mounting Hardware	38,706.32	593.70
46 82 76 00-0036		Pressure Relief/Flame Trap Assembly *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97160.		
46 82 76 00-0037	EA	2" Stainless Steel Pressure Relief/Flame Trap Assembly	11,996.80	226.26
46 82 76 00-0038	EA	3" Stainless Steel Pressure Relief/Flame Trap Assembly	13,384.08	263.97
46 82 76 00-0039	EA	4" Stainless Steel Pressure Relief/Flame Trap Assembly	15,033.71	301.68
46 82 76 00-0040	EA	6" Stainless Steel Pressure Relief/Flame Trap Assembly	20,169.58	377.10
46 82 76 00-0041	EA	8" Stainless Steel Pressure Relief/Flame Trap Assembly	27,929.16	452.52
46 82 76 00-0042	EA	10" Stainless Steel Pressure Relief/Flame Trap Assembly	53,792.25	527.95
46 82 76 00-0043	EA	12" Stainless Steel Pressure Relief/Flame Trap Assembly	74,913.38	593.70
46 82 76 00-0044		Flame Check *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97200.		
46 82 76 00-0045	EA	1/4" Flame Check, Aluminum	862.53	37.71
46 82 76 00-0046	EA	1/2" Flame Check, Aluminum	1,098.66	37.71
46 82 76 00-0047	EA	3/4" Flame Check, Aluminum	1,124.90	37.71
46 82 76 00-0048	EA	1" Flame Check, Aluminum	1,203.61	37.71
46 82 76 00-0049	EA	1-1/2" Flame Check, Aluminum	1,267.56	56.56
46 82 76 00-0050	EA	2" Flame Check, Aluminum	1,346.27	56.56
46 82 76 00-0051	EA	1/4" Flame Check, Stainless Steel	1,059.31	37.71
46 82 76 00-0052	EA	1/2" Flame Check, Stainless Steel	1,334.80	37.71
46 82 76 00-0053	EA	3/4" Flame Check, Stainless Steel	1,387.27	37.71
46 82 76 00-0054	EA	1" Flame Check, Stainless Steel	1,465.98	37.71
46 82 76 00-0055	EA	1-1/2" Flame Check, Stainless Steel	1,556.17	56.56
46 82 76 00-0056	EA	2" Flame Check, Stainless Steel	1,661.11	56.56
46 82 76 00-0057		Varec Wastewater Equipment *(46 82 76 00-0001)*		
46 82 76 00-0058		Pressure And Vacuum Relief Valves With Flame Arrester *(46 82 76 00-0057)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0059		Pressure And Vacuum Relief Valves With Flame Arrester *(46 82 76 00-0058)* Note: Aluminum housings and bank assembly frame, stainless steel internals and bank assembly sheets. Please provide pressure and vacuum settings at time of order, not to exceed 27.70" wc.		
46 82 76 00-0060	EA	2" Relief Valve With Flame Arrester (Varec 5811B-X-2-S)	11,105.53	100.56
46 82 76 00-0061	EA	3" Relief Valve With Flame Arrester (Varec 5811B-X-3-S)	12,093.01	128.37
46 82 76 00-0062	EA	4" Relief Valve With Flame Arrester (Varec 5811B-X-4-S)	15,910.68	215.48
46 82 76 00-0063	EA	6" Relief Valve With Flame Arrester (Varec 5811B-X-6-S)	19,637.83	267.16
46 82 76 00-0064	EA	8" Relief Valve With Flame Arrester (Varec 5811B-X-8-S)	40,476.54	344.78
46 82 76 00-0065	EA	10" Relief Valve With Flame Arrester (Varec 5811B-X-0-S)	52,445.85	422.36
46 82 76 00-0066	EA	12" Relief Valve With Flame Arrester (Varec 5811B-X-1-S)	79,137.09	511.95
46 82 76 00-0067		Insulating Jackets For 5811B Relief Valve With Flame Arrester *(46 82 76 00-0058)* Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0068	EA	2" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.141)	5,760.04	51.73
46 82 76 00-0069	EA	3" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.142)	6,601.00	54.46
46 82 76 00-0070	EA	4" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.143)	7,491.86	57.32
46 82 76 00-0071	EA	6" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.144)	8,995.36	60.34
46 82 76 00-0072	EA	8" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.145)	11,276.25	63.36
46 82 76 00-0073	EA	10" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.146)	12,876.78	66.52
46 82 76 00-0074	EA	12" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.147)	16,346.34	69.85
46 82 76 00-0075		Pressure And Vacuum Relief Valves *(46 82 76 00-0057)*		
46 82 76 00-0076		Pressure And Vacuum Relief Valves *(46 82 76 00-0075)* Note: Vent-to-atmosphere, all-weather type, aluminum boyd and trip, teflon valve seat insert, flat faced flange with 125 Lb. ASA drilling. Standard service. Please provide pressure and vacuum setting at time of order. Not to exceed 27.70" wc.		
46 82 76 00-0077	EA	2" Pressure And Vacuum Relief Valve (Varec 2011B-X-2-T-FF-OP-02-02)	4,321.33	100.56
46 82 76 00-0078	EA	3" Pressure And Vacuum Relief Valve (Varec 2011B-X-3-T-FF-OP-02-02)	4,869.11	128.37
46 82 76 00-0079	EA	4" Pressure And Vacuum Relief Valve (Varec 2011B-X-4-T-FF-OP-02-02)	6,038.00	215.48
46 82 76 00-0080	EA	6" Pressure And Vacuum Relief Valve (Varec 2011B-X-6-T-FF-OP-02-02)	8,946.46	272.49
46 82 76 00-0081	EA	8" Pressure And Vacuum Relief Valve (Varec 2011B-X-8-T-FF-OP-02-02)	11,224.96	344.78
46 82 76 00-0082	EA	10" Pressure And Vacuum Relief Valve (Varec 2011B-X-0-T-FF-OP-02-02)	15,920.63	422.36
46 82 76 00-0083	EA	12" Pressure And Vacuum Relief Valve (Varec 2011B-X-1-T-FF-OP-02-02)	25,253.55	511.95
46 82 76 00-0084		Insulating Jackets For 2011B Relief Valve With Flame Arrester *(46 82 76 00-0075)* Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0085	EA	2" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.148)	3,482.93	51.73
46 82 76 00-0086	EA	3" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.149)	3,988.87	54.46
46 82 76 00-0087	EA	4" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.150)	4,523.77	57.32
46 82 76 00-0088	EA	6" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.151)	5,425.29	60.34
46 82 76 00-0089	EA	8" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.152)	6,800.55	63.36
46 82 76 00-0090	EA	10" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.153)	7,759.87	66.52
46 82 76 00-0091	EA	12" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.154)	9,842.19	69.85
46 82 76 00-0092		Flame Arresters *(46 82 76 00-0057)*		
46 82 76 00-0093		Flame Arresters *(46 82 76 00-0092)* Note: Vertical installation, Aluminum housing, Aluminum extensible bank assembly frame and stainless steel sheets, stainless steel hardware. ANSI class 125 Lb. flat face flanged ends.		
46 82 76 00-0094	EA	2" Flame Arrester (Varec 5000-X-2-S)	6,239.86	100.56
46 82 76 00-0095	EA	3" Flame Arrester (Varec 5000-X-3-S)	6,573.02	128.37
46 82 76 00-0096	EA	4" Flame Arrester (Varec 5000-X-4-S)	9,063.67	215.48
46 82 76 00-0097	EA	6" Flame Arrester (Varec 5000-X-6-S)	15,112.96	272.49
46 82 76 00-0098	EA	8" Flame Arrester (Varec 5000-X-8-S)	27,251.03	344.78
46 82 76 00-0099	EA	10" Flame Arrester (Varec 5000-X-0-S)	33,920.19	422.36
46 82 76 00-0100	EA	12" Flame Arrester (Varec 5000-X-1-S)	49,992.82	511.95
46 82 76 00-0101		Insulating Jackets For 5000 Flame Arrester *(46 82 76 00-0092)* Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0102	EA	2" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.158)	2,344.40	51.73
46 82 76 00-0103	EA	3" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.159)	2,682.81	54.46
46 82 76 00-0104	EA	4" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.160)	3,039.74	57.32
46 82 76 00-0105	EA	6" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.161)	3,645.49	60.34
46 82 76 00-0106	EA	8" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.162)	4,557.50	63.36
46 82 76 00-0107	EA	10" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.163)	5,202.70	66.52
46 82 76 00-0108	EA	12" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.164)	6,591.44	69.85
46 82 76 00-0109		Flame Trap Assembly *(46 82 76 00-0057)*		
46 82 76 00-0110		Flame Trap Assembly *(46 82 76 00-0109)* Note: Thermal shut-off valve mounted to a 5010 series flame arrester. 356HT low copper aluminum valve body and flame arrester housing. Aluminum frame with stainless steel sheets. Flame arrester element, 260F. Units to be mounted horizontally.		
46 82 76 00-0111	EA	2" Flame Trap Assembly (Varec 450-02-2-1-S)	11,074.18	201.12
46 82 76 00-0112	EA	3" Flame Trap Assembly (Varec 450-03-2-1-S)	12,044.07	256.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0113	EA	4" Flame Trap Assembly (Varec 450-04-2-1-S)	15,541.42	430.98
46 82 76 00-0114	EA	6" Flame Trap Assembly (Varec 450-06-2-1-S)	24,705.94	544.97
46 82 76 00-0115	EA	8" Flame Trap Assembly (Varec 450-08-2-1-S)	39,007.32	689.56
46 82 76 00-0116	EA	10" Flame Trap Assembly (Varec 450-10-2-1-S)	57,826.36	844.71
46 82 76 00-0117	EA	12" Flame Trap Assembly (Varec 450-12-2-1-S)	80,541.28	1,023.89
46 82 76 00-0118		**Insulating Jacket For 450 Assembly** *(46 82 76 00-0109)*		
46 82 76 00-0119	EA	2" Insulating Jacket For 450 Assembly (Varec VB05.1185.230)	3,574.54	51.73
46 82 76 00-0120	EA	3" Insulating Jacket For 450 Assembly (Varec VB05.1185.231)	4,135.45	54.46
46 82 76 00-0121	EA	4" Insulating Jacket For 450 Assembly (Varec VB05.1185.232)	4,848.32	57.32
46 82 76 00-0122	EA	6" Insulating Jacket For 450 Assembly (Varec VB05.1185.233)	5,951.38	60.34
46 82 76 00-0123	EA	8" Insulating Jacket For 450 Assembly (Varec VB05.1185.234)	7,847.50	63.36
46 82 76 00-0124	EA	10" Insulating Jacket For 450 Assembly (Varec VB05.1185.235)	9,437.59	66.52
46 82 76 00-0125	EA	12" Insulating Jacket For 450 Assembly (Varec VB05.1185.236)	11,624.61	69.85
46 82 76 00-0126		**Pressure Relief Assembly** *(46 82 76 00-0057)*		
46 82 76 00-0127		**Pressure Relief Assembly** *(46 82 76 00-0126)*		
46 82 76 00-0128	EA	2" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 02 1 2 S 1)	21,627.35	201.12
46 82 76 00-0129	EA	3" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 03 1 2 S 1)	23,563.06	256.75
46 82 76 00-0130	EA	4" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 04 1 2 S 1)	26,471.49	430.98
46 82 76 00-0131	EA	6" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 06 1 2 S 1)	37,701.11	544.97
46 82 76 00-0132	EA	8" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 08 1 2 S 1)	54,067.58	689.56
46 82 76 00-0133	EA	10" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 10 1 2 S 1)	94,464.11	844.71
46 82 76 00-0134	EA	12" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 12 1 2 S 1)	128,148.40	1,023.89
46 82 76 00-0135		**Insulating Jackets For 440 Assembly** *(46 82 76 00-0126)*		
46 82 76 00-0136	EA	2" Insulating Jackets For 440 Assembly (Varec VB05.1185.220)	10,141.50	51.73
46 82 76 00-0137	EA	3" Insulating Jackets For 440 Assembly (Varec VB05.1185.221)	11,121.17	54.46
46 82 76 00-0138	EA	4" Insulating Jackets For 440 Assembly (Varec VB05.1185.222)	12,155.99	57.32
46 82 76 00-0139	EA	6" Insulating Jackets For 440 Assembly (Varec VB05.1185.223)	13,813.92	60.34
46 82 76 00-0140	EA	8" Insulating Jackets For 440 Assembly (Varec VB05.1185.224)	16,542.38	63.36
46 82 76 00-0141	EA	10" Insulating Jackets For 440 Assembly (Varec VB05.1185.225)	20,828.32	66.52
46 82 76 00-0142	EA	12" Insulating Jackets For 440 Assembly (Varec VB05.1185.226)	22,654.16	69.85
46 82 76 00-0143		**Manhole And Inspection Covers** *(46 82 76 00-0057)*		
46 82 76 00-0144		**Manhole And Inspection Covers** *(46 82 76 00-0143)* Note: Aluminum base and cover, flax gasket.		
46 82 76 00-0145	EA	18" Manhole And Inspection Cover (Varec 220 18 11)	8,336.88	168.94
46 82 76 00-0146	EA	20" Manhole And Inspection Cover (Varec 220 20 11)	9,679.33	211.17
46 82 76 00-0147	EA	24" Manhole And Inspection Cover (Varec 220 24 11)	11,512.36	256.43
46 82 76 00-0148	EA	30" Manhole And Inspection Cover (Varec 220 30 11)	18,367.66	298.66
46 82 76 00-0149	EA	36" Manhole And Inspection Cover (Varec 220 36 11)	21,430.81	328.84
46 82 76 00-0150		**Replacement Flax Gaskets For 220 Manway** *(46 82 76 00-0143)*		
46 82 76 00-0151	EA	18" Replacement Flax Gasket For 220 Manway (Varec R9000273-18)	1,480.33	
46 82 76 00-0152	EA	20" Replacement Flax Gasket For 220 Manway (Varec R9000273-20)	1,484.86	
46 82 76 00-0153	EA	24" Replacement Flax Gasket For 220 Manway (Varec R9000273-24)	1,596.92	
46 82 76 00-0154	EA	30" Replacement Flax Gasket For 220 Manway (Varec R9000273-30)	1,981.43	
46 82 76 00-0155	EA	36" Replacement Flax Gasket For 220 Manway (Varec R9000273-36)	2,347.86	
46 82 76 00-0156		**Sampling And Gauging Hatch Cover** *(46 82 76 00-0057)*		
46 82 76 00-0157		**Sampling And Gauging Hatch Covers** *(46 82 76 00-0156)* Note: 356 HT low copper aluminum, buna-n gasket, lockable handwheel and safetly lever. ANSI class 125 LB flat faced flange.		
46 82 76 00-0158	EA	4" Sampling And Gauging Hatch Cover (Varec 42 411BA)	2,027.76	39.21
46 82 76 00-0159	EA	6" Sampling And Gauging Hatch Cover (Varec 42 611BA)	2,192.48	57.93
46 82 76 00-0160	EA	8" Sampling And Gauging Hatch Cover (Varec 42 811BA)	2,504.41	68.79
46 82 76 00-0161	EA	10" Sampling And Gauging Hatch Cover (Varec 42 011BA)	3,649.45	80.25
46 82 76 00-0162		**Replacement Buna-N Gasket For 42 Cover** *(46 82 76 00-0156)*		
46 82 76 00-0163	EA	4" Replacement Buna-N Gasket For 42 Cover (Varec B6017-075)	440.48	
46 82 76 00-0164	EA	6" Replacement Buna-N Gasket For 42 Cover (Varec B6018-075)	529.10	
46 82 76 00-0165	EA	8" Replacement Buna-N Gasket For 42 Cover (Varec B6029-075)	565.51	
46 82 76 00-0166	EA	10" Replacement Buna-N Gasket For 42 Cover (Varec B6030-075)	602.04	
46 82 76 00-0167		**Emergency Relief Manhole Covers** *(46 82 76 00-0057)* Note: Aluminum base and cover, ANSI 150 Lb. flat faced flange connection. Please provide pressure and vacuum settings at time of order.		
46 82 76 00-0168	EA	1.6" WC To 6.4" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 0 1 1 F)	40,161.47	256.43
46 82 76 00-0169	EA	6.5" WC To 16.3" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 1 1 1 F)	41,793.75	256.43
46 82 76 00-0170	EA	16.4" WC To 22.7" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 2 1 1 F)	42,048.36	256.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0171		Replacement Flame Arrester Kits *(46 82 76 00-0057)*		
		Note: Replacement flame arrester bank assemblies with replacement cover gasket. Aluminum bank frame with stainless steel sheets.		
46 82 76 00-0172	EA	2" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.2)	3,638.20	100.56
46 82 76 00-0173	EA	3" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.3)	3,800.70	128.37
46 82 76 00-0174	EA	4" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.4)	5,254.77	215.48
46 82 76 00-0175	EA	6" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.6)	8,802.13	272.49
46 82 76 00-0176	EA	8" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.8)	15,899.45	344.78
46 82 76 00-0177	EA	10" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.10)	19,765.93	422.36
46 82 76 00-0178	EA	12" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.12)	29,179.85	511.95
46 82 76 00-0179		Safety Selector Valve *(46 82 76 00-0057)*		
46 82 76 00-0180	EA	Safety Selector Valve, Stainless Steel Body (Varec SVR-2405B-ASTO)	61,782.65	593.70
46 82 76 00-0181	EA	Insulating Jacket For Safety Selector Valve (Varec VB05.1185.260)	8,775.03	37.71
46 82 76 00-0182		Condensate And Sediment Traps *(46 82 76 00-0057)*		
46 82 76 00-0183		Condensate And Sediment Traps *(46 82 76 00-0182)*		
46 82 76 00-0184	EA	6" Condensate And Sediment Trap, Stainless Steel Body (Varec 23306FS)	21,409.24	371.06
46 82 76 00-0185		Accessories For Condensate And Sediment Traps *(46 82 76 00-0182)*		
46 82 76 00-0186	EA	2-1/2 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 2)	2,340.81	37.71
46 82 76 00-0187	EA	6 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 6)	2,875.23	47.14
46 82 76 00-0188	EA	2-1/2 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 2)	18,112.51	75.42
46 82 76 00-0189	EA	6 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 6)	20,231.74	84.85
		Note: 356-T6 low copper cast aluminum body, cover plate, disc and handle. 1" NPT inlet and outlet connections. Explosion proof actuator with NEMA 7 timer.		
46 82 76 00-0190	EA	1/2" Sight Glass Assembly With Bronze Valves (Varec 218)	661.30	37.71
46 82 76 00-0191	EA	1/2" Sight Glass Assembly With Stainless Steel Valves (Varec 218)	4,340.60	37.71
46 82 76 00-0192	EA	Insulating Jacket For Automatic Low Pressure Drip Trap (Varec VB05.1185.248)	2,870.75	60.34
46 82 76 00-0193	EA	Insulating Jacket For Timer Enclosure (Varec VB05.1185.256)	1,373.63	60.34
46 82 76 00-0194	EA	Spare Parts Kit For 6 Quart Automatic Low Pressure Drip Trap (Varec 246AT.PM.KIT)	3,279.56	
46 82 76 00-0195		Replacement Parts *(46 82 76 00-0057)*		
46 82 76 00-0196		Replacement Seat Rings For Pressure/Vacuum Relief Valve *(46 82 76 00-0195)*		
		Note: Stainless steel construction. Same for both pressure side and vacuum side.		
46 82 76 00-0197	EA	2" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10438-006-1)	1,135.44	
46 82 76 00-0198	EA	3" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10251-006-1)	1,296.26	
46 82 76 00-0199	EA	4" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05464-006-1)	1,425.86	
46 82 76 00-0200	EA	6" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05478-006-1)	2,134.08	
46 82 76 00-0201	EA	8" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05482-006-1)	2,839.91	
46 82 76 00-0202	EA	10" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05487-006-1)	3,770.08	
46 82 76 00-0203	EA	12" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05499-006-1)	4,702.39	
46 82 76 00-0204		Replacement Pallet Assembly For Pressure Side Only *(46 82 76 00-0195)*		
		Note: Stainless steel construction.		
46 82 76 00-0205	EA	2" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-306-1)	2,127.42	
46 82 76 00-0206	EA	3" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-406-1)	2,602.32	
46 82 76 00-0207	EA	4" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-506-1)	2,881.10	
46 82 76 00-0208	EA	6" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-606-1)	4,335.28	
46 82 76 00-0209	EA	8" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-706-1)	5,789.66	
46 82 76 00-0210	EA	10" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-806-1)	7,732.29	
46 82 76 00-0211	EA	12" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-906-1)	9,675.36	
46 82 76 00-0212		Replacement Pallet Assembly For Vacuum Side Only *(46 82 76 00-0195)*		
		Note: Stainless steel construction.		
46 82 76 00-0213	EA	2" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-106-1)	2,127.42	
46 82 76 00-0214	EA	3" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-206-1)	2,602.32	
46 82 76 00-0215	EA	4" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-006-1)	2,881.10	
46 82 76 00-0216	EA	6" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-606-1)	4,335.28	
46 82 76 00-0217	EA	8" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-706-1)	5,789.66	
46 82 76 00-0218	EA	10" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-806-1)	7,732.29	
46 82 76 00-0219	EA	12" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-906-1)	9,675.36	
46 82 76 00-0220		Replacement Fuses For Thermal Shut Off Valve *(46 82 76 00-0195)*		
46 82 76 00-0221	EA	Up To 4", Replacement Fuses For Thermal Shut Off Valve (Varec B2844-061)	111.95	
46 82 76 00-0222	EA	>4", Replacement Fuses For Thermal Shut Off Valve (Varec 02-10330-061)	116.11	
46 82 76 00-0223		Replacement Fuse For 440 Assembly *(46 82 76 00-0195)*		
46 82 76 00-0224	EA	Fuse For 440 Assembly (Varec A1068-061)	111.95	
46 82 76 00-0225		Replacement Diaphragm For Back Pressure Regulator *(46 82 76 00-0195)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0226	EA	2" Replacement Diaphragm For Back Pressure Regulator (Varec B6586-074)	996.74	
46 82 76 00-0227	EA	3" To 4" Replacement Diaphragm For Back Pressure Regulator (Varec D4608-074)	1,486.06	
46 82 76 00-0228	EA	6" To 8" Replacement Diaphragm For Back Pressure Regulator (Varec D490-074)	1,607.12	
46 82 76 00-0229	EA	10" To 12" Replacement Diaphragm For Back Pressure Regulator (Varec 02-09523-074)	1,778.79	

46 82 83 Water Treatment Instrumentation Devices *(46 82)*

46 82 83 00-0001 Sewage And Aeration Instrumentation Devices *(46 82 83)*

46 82 83 00-0002 Temperature Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-0003 Temperature Equipment And Instrumentation (Foxboro) *(46 82 83 00-0002)*

46 82 83 00-0004	EA	Temperature Sensor, Up To 3.5" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-003	801.71	17.36
46 82 83 00-0005	EA	Temperature Sensor, Up To 6" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-006	822.73	17.36
46 82 83 00-0006	EA	Temperature Sensor, Up To 12" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-012	838.49	17.36
46 82 83 00-0007	EA	Temperature Sensor, Up To 18" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-018	870.02	17.36
46 82 83 00-0008	EA	Temperature Sensor, Up To 24" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-024	901.54	17.36
46 82 83 00-0009	EA	Temperature Transmitter, 4-20mA With HART Communication, Epoxy Coated Housing, LCD. Model: Foxboro Company #RTT20-T1SNQFA-L1	1,773.08	26.04

46 82 83 00-0010 Temperature Equipment And Instrumentation (Moore) *(46 82 83 00-0002)*

46 82 83 00-0011	EA	Temperature Transmitter, Moore Products Company #343D-A-5-N-5-1-3	1,942.97	26.04
46 82 83 00-0012	EA	Temperature Transmitter, Moore Products Company #343F-A-5-N-1-1-3	2,281.17	26.04
46 82 83 00-0013	EA	2.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	508.22	17.36
46 82 83 00-0014	EA	10.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	606.61	17.36
46 82 83 00-0015	EA	16.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	726.51	17.36
46 82 83 00-0016	EA	22.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	809.53	17.36
46 82 83 00-0017	EA	2.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	957.11	17.36
46 82 83 00-0018	EA	10.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	1,676.57	17.36
46 82 83 00-0019	EA	16.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	2,365.28	17.36
46 82 83 00-0020	EA	22.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18 Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.	3,047.84	17.36
46 82 83 00-0021	EA	Portable Trace Recorder, Moore Products Company #36P144NNNN1NNN1	9,749.31	44.46
46 82 83 00-0022	EA	Stationary Trace Recorder, Moore Products Company #36M134NNNN1NNN1	7,703.04	66.69
46 82 83 00-0023	EA	Video Graphic Recorder (Moore Products Company #36V124NNNN1NNN1)	10,587.01	66.69
46 82 83 00-0024	EA	Basic Controller, Moore Products Company #353A2FNNNNNNNA4	4,195.17	22.23
		For Expanded Controller, Add	*500.00*	

46 82 83 00-0025 Temperature Equipment And Instrumentation (Rosemount) *(46 82 83 00-0002)*

46 82 83 00-0026	EA	Rosemount Head Mounted Smart Temperature Transmitter; LCD Indicator; Explosion Proof Enclosure	1,949.00	
46 82 83 00-0027	EA	Rosemount Head Mounted Smart Temperature Transmitter; Single RTD Input; LCD Indicator; Explosion Proof Enclosure	2,725.77	
46 82 83 00-0028	EA	Rosemount Head Mounted Smart Temperature Transmitter; Dual RTD Input; LCD Indicator; Explosion Proof Enclosure	2,752.93	
46 82 83 00-0029	EA	Rosemount Eight Input Temperature Transmitter; Fieldbus Output; FM Intrinsically Safe	5,294.41	
46 82 83 00-0030	EA	Rosemount RTD - Thin Film; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure	553.59	
46 82 83 00-0031	EA	Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure	602.92	
46 82 83 00-0032	EA	Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure; 316 Stainless Steel Tapered Thermowell; 1" NPT Connection; 4 1/2" Insertion	812.57	

46 82 83 00-0033 Temperature Equipment And Instrumentation (Yokogawa) *(46 82 83 00-0002)*

46 82 83 00-0034	EA	Temperature Sensor, 2.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	378.00	26.04
46 82 83 00-0035	EA	Temperature Sensor, 4.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	411.82	26.04
46 82 83 00-0036	EA	Temperature Sensor, 7.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	473.31	26.04
46 82 83 00-0037	EA	Temperature Sensor, 10.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	584.00	26.04
46 82 83 00-0038	EA	Temperature Sensor, 13.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	676.23	26.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0039	EA	Temperature Sensor, 16.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	762.32	26.04
46 82 83 00-0040	EA	For 4" Flanged Thermowells	731.58	26.04
46 82 83 00-0041	EA	For 7" Flanged Thermowells	813.10	32.99
46 82 83 00-0042	EA	For 10" Flanged Thermowells	910.01	39.93
46 82 83 00-0043	EA	For 16" Flanged Thermowells	1,095.67	45.14
46 82 83 00-0044	EA	Temperature Transmitter, 4-20mA With HART Communication, 1/2" NPT Connection, Digital Indicator, 304 Stainless Steel 2" Pipe Mounting, Explosion Proof. Model: Yokogawa #YTA110-EA2DB/FF1	2,049.10	22.23

46 82 83 00-0045 Pressure Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-0046 Pressure And Level Transmitters (ABB) *(46 82 83 00-0045)*

46 82 83 00-0047	EA	Pressure Transmitter, Normal Range 5.8 - 116 PSI, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #624GV210811141	2,302.88	17.36
		For Transmitter With LCD Indicator, Add	*175.00*	
46 82 83 00-0048	EA	Differential Pressure Transmitter, Normal Range 0-10.7" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J10811141	3,025.85	17.36
		For Transmitter With LCD Indicator, Add	*175.00*	
46 82 83 00-0049	EA	Differential Pressure Transmitter, Normal Range 0-640" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J61111141	2,877.88	17.36
		For Transmitter With LCD Indicator, Add	*175.00*	

46 82 83 00-0050 Pressure Transmitters (Rosemount) *(46 82 83 00-0045)*

46 82 83 00-0051	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 150 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	1,996.20	
46 82 83 00-0052	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	3,013.38	
46 82 83 00-0053	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 300 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	2,806.85	
46 82 83 00-0054	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm	5,035.36	
		For Diaphragm Extension Length 6", Add	*249.00*	
46 82 83 00-0055	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	1,996.20	
46 82 83 00-0056	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy	2,941.09	
46 82 83 00-0057	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy	2,941.09	
46 82 83 00-0058	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; Classic Performance	3,151.76	
		For EF-6" Lower Housing Extension, Add	*390.00*	
46 82 83 00-0059	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	5,680.68	
		For Ultra, Add	*144.00*	
46 82 83 00-0060	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	3,819.24	
		For Ultra, Add	*144.00*	
46 82 83 00-0061	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	3,819.24	
		For Ultra, Add	*144.00*	
46 82 83 00-0062	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; .075% Accuracy	4,382.06	
		For Diaphragm Extension Length 6", Add	*249.00*	

46 82 83 00-0063 Differential Pressure Transmitters (Yokogawa) *(46 82 83 00-0045)*

46 82 83 00-0064	EA	1-100 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EMS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	3,472.64	22.23
46 82 83 00-0065	EA	5-500 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EHS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	3,472.64	22.23
46 82 83 00-0066	EA	0.14-14 MPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EVS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	4,041.44	22.23

46 82 83 00-0067 Pressure Transmitters (E+H) *(46 82 83 00-0045)*

46 82 83 00-0068	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Pressure Transmitter (E+H PMC51-4JD81/0) Note: Output: 4-20mA HART; Housing: F31 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.	1,769.83	37.71
46 82 83 00-0069	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Pressure Transmitter (E+H PMC51-1NR02/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.	1,944.08	37.71
46 82 83 00-0070	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20010/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O.	1,967.65	37.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0071	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20039/0) Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	2,141.91	37.71
46 82 83 00-0072	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20046/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	1,967.65	37.71
46 82 83 00-0073	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Differential Pressure Transmitter (E+H PMD55-144U5/0) Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	2,141.91	37.71
46 82 83 00-0074	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN37/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	1,993.33	37.71
46 82 83 00-0075	EA	30 PSIG, 67' H2O Sensor Range, 300 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD41/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316.	1,993.33	37.71
46 82 83 00-0076	EA	600 PSIG, 1,334' H2O Sensor Range, 2400 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN20/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	1,993.33	37.71
46 82 83 00-0077	EA	45 PSI Nominal Pressure, Output: 4-20mA HART; Inside + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XPN6/0) Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high-pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection, HP/HP+LP: NPS 3" Class, 150 RF, 316/316L flange ASME B16.5; Fill Fluid: silicone oil.	5,273.32	37.71
46 82 83 00-0078	EA	45 PSI Nominal Pressure, Output: 4-20mA HART; External + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XPP7/0) Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high-pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection; HP/HP+LP: NPS 3" Class, 150 RF, 316/316L, 2/4/6/8" barrel, flange ASME B16.5, Fill Fluid: silicone oil.	7,064.85	37.71
46 82 83 00-0079	EA	1500 PSIG, 3,330' H2O Sensor Range, 6000 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD59/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window: Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	1,993.33	37.71
46 82 83 00-0080	EA	60 PSIG, 133' H2O Sensor Range, 420 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD66/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.	1,993.33	37.71
46 82 83 00-0081	EA	15 PSIG, 33' H2O Sensor Range, 150 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD80/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.	1,993.33	37.71
46 82 83 00-0082	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20085/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.	2,338.37	37.71
46 82 83 00-0083	EA	1,015 PSI Nominal Pressure, 240 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20092/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.	2,338.37	37.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0084	EA	2,400 PSI Nominal Pressure, 600 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-200C9/0)	2,479.26	37.71
		Note: Output: 4-20mA HART2; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; ; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.		
46 82 83 00-0085	DAY	E+H, Pressure Instrumentation, Start Up And Training	2,884.53	
46 82 83 00-0086		Pressure Isolators (Onyx Valve Company) *(46 82 83 00-0045)*		
46 82 83 00-0087	EA	2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-SS)	1,512.43	60.28
46 82 83 00-0088	EA	2-1/2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-SS)	2,185.52	166.68
46 82 83 00-0089	EA	3", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-SS)	2,251.02	187.51
46 82 83 00-0090	EA	4", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-SS)	3,015.33	277.79
46 82 83 00-0091	EA	6", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-SS)	4,809.92	387.51
46 82 83 00-0092	EA	8", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-SS)	6,787.57	581.26
46 82 83 00-0093	EA	2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-C)	1,259.03	60.28
46 82 83 00-0094	EA	2-1/2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-C)	1,421.22	166.68
46 82 83 00-0095	EA	3", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-C)	1,486.72	187.51
46 82 83 00-0096	EA	4", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-C)	1,729.83	277.79
46 82 83 00-0097	EA	6", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-C)	2,329.56	387.51
46 82 83 00-0098	EA	8", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-C)	3,330.72	581.26
46 82 83 00-0099		Flow Equipment And Instrumentation *(46 82 83 00-0001)*		
46 82 83 00-0100		Flow Equipment (ABB) *(46 82 83 00-0099)*		
46 82 83 00-0101		Magnetic Flowmeters, Flanged, Stainless Steel Electrodes *(46 82 83 00-0100)*		
		Note: Raw sewage application, polyurethane liner, stainless steel grounding rings, with remote transmitter. Model ABB instrumentation primary model #MFF and transmitter model #MFE		
46 82 83 00-0102	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	11,027.98	265.63
46 82 83 00-0103	EA	14" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	12,395.40	312.50
46 82 83 00-0104	EA	16" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	15,945.50	374.94
46 82 83 00-0105	EA	18" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	17,678.45	392.20
46 82 83 00-0106	EA	20" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	20,335.99	429.76
46 82 83 00-0107	EA	24" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	24,543.05	528.64
46 82 83 00-0108	EA	30" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	54,453.89	843.96
46 82 83 00-0109	EA	36" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	59,096.42	1,687.91
46 82 83 00-0110	EA	42" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	73,297.15	1,963.68
46 82 83 00-0111	EA	48" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	84,632.78	2,123.87
46 82 83 00-0112	EA	54" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	157,149.00	2,497.19
46 82 83 00-0113		Magnetic Flowmeters, Hastelloy-C Electrodes SST Grounding Rings *(46 82 83 00-0100)*		
		Note: Flanged, corrosive liquids application, Teflon liner, with remote transmitter. Model: ABB instrumentation primary model FEP325 and FET325 secondary		
46 82 83 00-0114	EA	1" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325025A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,601.37	25.35
46 82 83 00-0115	EA	1-1/2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325040A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,832.04	32.99
46 82 83 00-0116	EA	2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325050A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,925.30	50.35
46 82 83 00-0117	EA	3" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325080A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	7,168.15	78.13
46 82 83 00-0118	EA	4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	7,974.99	127.44
46 82 83 00-0119	EA	6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	9,127.53	138.89
46 82 83 00-0120	EA	8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	10,963.76	208.34
46 82 83 00-0121	EA	10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	14,404.49	243.00
46 82 83 00-0122	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	19,852.37	295.08
46 82 83 00-0123		Magnetic Flowmeters, Flanged, Tezfel Liner *(46 82 83 00-0100)*		
		Note: Sludge flows (primary, thickness digester), stainless steel grounding rings, with remote transmitter. Model: ABB instrumentation primary model #FEP325 and secondary model #FEP325		
46 82 83 00-0124	EA	4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	8,669.42	113.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0125	EA	6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	9,806.31	125.00
46 82 83 00-0126	EA	8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	11,971.03	187.50
46 82 83 00-0127	EA	10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	16,595.44	218.75
46 82 83 00-0128	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	23,595.29	265.63
46 82 83 00-0129		Flow Equipment (Ameritrol) *(46 82 83 00-0099)*		
46 82 83 00-0130		Flow Switches *(46 82 83 00-0129)*		
46 82 83 00-0131	EA	Electronic Flow Switch, 1" MNPT Process Connection, 1.8" Probe Length, 120 Volt AC Power Input, SPDT Relay Output, Process Temperatures To 350F, NEMA 4X Enclosure (Ameritrol FX-1000-AD)	1,727.26	17.36
46 82 83 00-0132		Flow Equipment (CiDRA) *(46 82 83 00-0099)*		
46 82 83 00-0133		Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus *(46 82 83 00-0132)*		
46 82 83 00-0134	EA	2" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E02-05-5-01-6A-01A-12-02-01-EN)	20,765.54	44.46
46 82 83 00-0135	EA	3" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E03-05-5-01-6A-01A-12-02-01-EN)	20,776.65	47.23
46 82 83 00-0136	EA	4" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E04-05-5-01-6A-01A-12-02-01-EN)	20,788.48	50.19
46 82 83 00-0137	EA	6" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E06-05-5-01-6A-01A-12-02-01-EN)	22,973.87	53.33
46 82 83 00-0138	EA	8" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E08-05-5-01-6A-01A-12-02-01-EN)	23,769.95	56.66
46 82 83 00-0139	EA	10" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E10-05-5-01-6A-01A-12-02-01-EN)	25,392.10	60.21
46 82 83 00-0140	EA	12" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E12-05-5-01-6A-01A-12-02-01-EN)	26,876.65	63.98
46 82 83 00-0141	EA	14" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E14-05-5-01-6A-01A-12-02-01-EN)	30,235.95	67.98
46 82 83 00-0142	EA	16" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E16-05-5-01-6A-01A-12-02-01-EN)	33,596.22	72.23
46 82 83 00-0143	EA	18" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E18-05-5-01-6A-01A-12-02-01-EN)	38,703.97	76.74
46 82 83 00-0144	EA	20" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E20-05-5-01-6A-01A-12-02-01-EN)	42,664.60	81.53
46 82 83 00-0145	EA	22" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E22-05-5-01-6A-01A-12-02-01-EN)	45,033.25	86.64
46 82 83 00-0146	EA	24" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E24-05-5-01-6A-01A-12-02-01-EN)	47,135.45	92.05
46 82 83 00-0147	EA	26" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E26-05-5-01-6A-01A-12-02-01-EN)	49,342.42	97.81
46 82 83 00-0148	EA	28" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E28-05-5-01-6A-01A-12-02-01-EN)	51,513.88	103.92
46 82 83 00-0149	EA	30" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E30-05-5-01-6A-01A-12-02-01-EN)	53,408.10	110.41
46 82 83 00-0150	EA	32" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN)	62,134.53	117.31
46 82 83 00-0151	EA	34" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E34-05-5-01-14-01A-12-02-01-EN)	63,862.28	124.65
46 82 83 00-0152	EA	36" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E36-05-5-01-14-01A-12-02-01-EN)	67,460.12	132.44
46 82 83 00-0153	EA	40" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E40-05-5-14-14-01A-12-02-01-EN)	78,798.75	140.72
46 82 83 00-0154	EA	42" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E42-05-5-14-14-01A-12-02-01-EN)	84,320.52	149.51
46 82 83 00-0155	EA	48" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E48-05-5-14-14-01A-12-02-01-EN)	92,825.97	158.86
46 82 83 00-0156	EA	54" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E54-05-5-14-14-01A-12-02-01-EN)	104,455.49	168.78
46 82 83 00-0157	EA	60" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E60-05-5-14-14-01A-12-02-01-EN)	118,498.51	179.33
46 82 83 00-0158		Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus *(46 82 83 00-0132)*		
46 82 83 00-0159	EA	3" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-100-05-5-01-6A-01A-12-02-01-EN)	20,776.65	47.23
46 82 83 00-0160	EA	4" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-122-05-5-01-6A-01A-12-02-01-EN)	22,961.34	50.19
46 82 83 00-0161	EA	6" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-175-05-5-01-6A-01A-12-02-01-EN)	23,756.61	53.33
46 82 83 00-0162	EA	8" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-228-05-5-01-6A-01A-12-02-01-EN)	25,377.91	56.66
46 82 83 00-0163	EA	10" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-280-05-5-01-6A-01A-12-02-01-EN)	26,861.59	60.21
46 82 83 00-0164	EA	12" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-335-05-5-01-6A-01A-12-02-01-EN)	30,219.94	63.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0165	EA	14" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-388-05-5-01-6A-01A-12-02-01-EN)	33,579.24	67.98
46 82 83 00-0166	EA	16" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-439-05-5-01-6A-01A-12-02-01-EN)	38,685.91	72.23
46 82 83 00-0167	EA	18" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-494-05-5-01-6A-01A-12-02-01-EN)	42,645.40	76.74
46 82 83 00-0168	EA	20" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-547-05-5-01-6A-01A-12-02-01-EN)	45,012.84	81.53
46 82 83 00-0169	EA	24" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-652-05-5-01-6A-01A-12-02-01-EN)	49,319.39	92.05
46 82 83 00-0170	EA	30" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN)	62,106.92	110.41
46 82 83 00-0171	EA	36" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-999-05-5-14-14-01A-12-02-01-EN)	78,765.63	132.44
46 82 83 00-0172	EA	42" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-J31-05-5-14-14-01A-12-02-01-EN)	92,788.58	149.51
46 82 83 00-0173	EA	48" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-K91-05-5-14-14-01A-12-02-01-EN)	104,415.79	158.86
46 82 83 00-0174	EA	54" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-N61-05-5-14-14-01A-12-02-01-EN)	118,456.31	168.78
46 82 83 00-0175	EA	60" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-P63-05-5-14-14-01A-12-02-01-EN)	123,039.92	179.33

46 82 83 00-0176 Transmitter Interconnect Cable *(46 82 83 00-0132)*

46 82 83 00-0177	EA	25' Transmitter Interconnect Cable (CiDRA CA-10-0025)	760.67	5.56
46 82 83 00-0178	EA	50' Transmitter Interconnect Cable (CiDRA CA-10-0050)	832.74	11.11
46 82 83 00-0179	EA	75' Transmitter Interconnect Cable (CiDRA CA-10-0075)	1,070.97	16.67
46 82 83 00-0180	EA	100' Transmitter Interconnect Cable (CiDRA CA-10-0100)	1,311.04	22.23
46 82 83 00-0181	EA	125' Transmitter Interconnect Cable (CiDRA CA-10-0125)	1,580.65	27.79
46 82 83 00-0182	EA	150' Transmitter Interconnect Cable (CiDRA CA-10-0150)	1,741.33	33.34
46 82 83 00-0183	EA	175' Transmitter Interconnect Cable (CiDRA CA-10-0175)	1,957.40	38.90
46 82 83 00-0184	EA	200' Transmitter Interconnect Cable (CiDRA CA-10-0200)	2,118.08	44.46
46 82 83 00-0185	EA	225' Transmitter Interconnect Cable (CiDRA CA-10-0225)	2,282.46	50.02
46 82 83 00-0186	EA	250' Transmitter Interconnect Cable (CiDRA CA-10-0250)	2,437.60	55.57
46 82 83 00-0187	EA	275' Transmitter Interconnect Cable (CiDRA CA-10-0275)	2,601.98	61.13
46 82 83 00-0188	EA	300' Transmitter Interconnect Cable (CiDRA CA-10-0300)	2,757.13	66.69
46 82 83 00-0189	EA	350' Transmitter Interconnect Cable (CiDRA CA-10-0350)	2,912.28	72.25

46 82 83 00-0190 Flow Equipment (Controlotron) *(46 82 83 00-0099)*

46 82 83 00-0191 Transducer *(46 82 83 00-0190)*

46 82 83 00-0192	EA	Spectra Transducer, Portable NEMA 4X. Model Controlotron #191-P-S	2,222.38	26.04
		For Mounting Track, Single Mount, Add	*100.00*	
		For Mounting Track, Double Mount, Add	*175.00*	
		For Carry Case Kit, Add	*150.00*	
46 82 83 00-0193	EA	Spectra Transducer, NEMA 4X, Mounting Gear Excluded. Model: Controlotron #191-N-S	1,376.37	26.04
		For Mounting Track, Single Mount, Add	*100.00*	
		For Mounting Track, Double Mount, Add	*175.00*	
		For Mounting Strap Kit For Mounting On Pipes 12" To 36", Add	*25.00*	
		For Mounting Strap Kit For Mounting On Pipes 36" To 72", Add	*30.00*	
46 82 83 00-0194	EA	Spectra Transducer, NEMA 4X. Mounting Gear Excluded, Corrosive Resistant. Model: Controlotron #191-N-SC	2,479.91	26.04
		For Corrosive Resistant Mounting Track, Single Mount, Add	*160.00*	
		For Corrosive Resistant Mounting Track, Double Mount, Add	*280.00*	
		For Mounting Strap Kit For Mounting On Pipes 12" To 36", Add	*25.00*	
		For Mounting Strap Kit For Mounting On Pipes 36" To 72", Add	*30.00*	
46 82 83 00-0195	EA	Spectra Transducer, NEMA 4X. Mounting Gear Included. Model: Controlotron #191-N1-S	1,376.37	26.04
46 82 83 00-0196	EA	Spectra Transducer, NEMA 4X. Mounting Gear Included, Corrosive Resistant. Model: #191-N1-SC	2,479.91	26.04

46 82 83 00-0197 Transducer Cable *(46 82 83 00-0190)*

Note: Same for transit time/doppler all explosion proof pricing is the same, they add a bead of silicone at the end, different model #, same price

46 82 83 00-0198	EA	Spectra Transducer Cable, Portable Type. Model: Controlotron #192C-P-S	300.12	0.22
		For Each Additional LF Of Cable, Add	*1.50*	
46 82 83 00-0199	EA	Spectra Transducer Cable, NEMA 4. Model: Controlotron #192C-N-S	300.12	0.22
46 82 83 00-0200	EA	Spectra Transducer Cable, NEMA 4/Portable Type. Model: Controlotron #192C-NP-S	300.12	0.22

46 82 83 00-0201 Flow Computer *(46 82 83 00-0190)*

46 82 83 00-0202	EA	Spectra D45 Doppler Flow Computer, NEMA 4X, Digital Graphics, RS232 Output. Model: Controlotron #194-N-D-S-2	8,362.67	44.46
		For Factory Site Set-up, Add	*100.00*	
		For Hand Held Terminal For Use With Flow Computer, Add	*850.00*	
		For Power Adapter/Battery Charger For Handheld Terminal, Add	*65.00*	
		For I/O Converter Module, Add	*490.00*	
46 82 83 00-0203	EA	Spectra Doppler Flow Computer, NEMA 7, Digital Graphics, RS232 Output. Model: Controlotron #194-X-D-S-2	14,665.92	44.46
		For Factory Site Set-up, Add	*100.00*	
		For Hand Held Terminal For Use With Flow Computer, Add	*850.00*	
		For Power Adapter/Battery Charger For Handheld Terminal, Add	*65.00*	
		For I/O Converter Module, Add	*490.00*	

46 82 83 00-0204 Remote Digital Display *(46 82 83 00-0190)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0205	EA	Spectra Remote Digital Display For Flow Computer, NEMA 4X. Model: Controlotron #996D-D-N-S	1,309.89	11.11

46 82 83 00-0206 Transit Time Flowmeter Equipment *(46 82 83 00-0190)*

46 82 83 00-0207	EA	Single Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1	10,031.80	88.92
		For Transducer And Mounting Set, Add	*1,445.00*	
		For Dedicated Transducer Cable Assembly, Add	*50.00*	
46 82 83 00-0208	EA	Double Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1S2	13,210.50	88.92
		For Transducer And Mounting Set, Add	*1,445.00*	
		For Dedicated Transducer Cable Assembly, Add	*50.00*	

46 82 83 00-0209 Flow Equipment (Eldridge) *(46 82 83 00-0099)*

46 82 83 00-0210 Insertion MP Series Flowmeters *(46 82 83 00-0209)*

Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLOSURE: (Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 at 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display and 4-button keypad; Output 4-20mA, 0-5 Volt DC (2nd 4-20mA available); RS232 and RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display and 4-button keypad; Output 4-20mA, 0-5 Volt DC (2nd 4-20mA available), two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; Signal Interface - RS232 and RS485 Modbus RTU; 24 Volt DC (Standard)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0211	EA	1/2" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8840MP-SSS-133)	5,586.92	23.38
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0212	EA	3/4" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8860MP-SSS-133)	6,078.08	31.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0213	EA	1" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8880MP-SSS-133)	6,571.27	36.20
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For 72" 316L Stainless Steel Probe, Add	*288.41*	
		For 84" 316L Stainless Steel Probe, Add	*329.62*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0214	EA	1/2" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8240MP-SSS-133)	6,513.96	23.38
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0215	EA	3/4" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8260MP-SSS-133)	7,005.13	31.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0216	EA	1" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8280MP-SSS-133)	7,498.31	36.20
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For 72" 316L Stainless Steel Probe, Add	*288.41*	
		For 84" 316L Stainless Steel Probe, Add	*329.62*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

46 82 83 00-0217 Inline MP Series Flowmeters *(46 82 83 00-0209)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0218	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/4" Outside Diameter x 6" Length Pipe (Eldridge 8036MP-SSS-133)	6,527.03	18.85
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0219	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/8" Outside Diameter x 6" Length Pipe (Eldridge 8049MP-SSS-133)	6,551.40	21.12
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0220	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/2" Outside Diameter x 7" Length Pipe (Eldridge 8059MP-SSS-133)	6,575.77	22.63
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0221	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/4" Outside Diameter x 7" Length Pipe (Eldridge 8069MP-SSS-133)	6,613.71	31.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0222	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1" Outside Diameter x 8" Length Pipe (Eldridge 8089MP-SSS-133)	6,653.67	36.20
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0223	EA	0-5 Volt DC, 4-20mA Ouputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/4" Outside Diameter x 10" Length Pipe (Eldridge 8110MP-SSS-133)	6,702.67	45.25
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0224	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8112MP-SSS-133)	6,751.67	54.31
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0225	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2" Outside Diameter x 14" Length Pipe (Eldridge 8116MP-SSS-133)	6,821.27	63.36
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0226	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8120MP-SSS-133)	6,910.73	71.65
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0227	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3" Outside Diameter x 14" Length Pipe (Eldridge 8124MP-SSS-133)	9,070.58	80.70
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0228	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 4" Outside Diameter x 14" Length Pipe (Eldridge 8132MP-SSS-133)	10,013.52	135.00
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0229	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/4" Ouitside Diameter x 6" Length Pipe (Eldridge 8636MP-SSS-133)	5,692.68	18.85
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0230	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/8" Ouitside Diameter x 6" Length Pipe (Eldridge 8649MP-SSS-133)	5,717.06	21.12
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0231	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/2" Ouitside Diameter x 7" Length Pipe (Eldridge 8659MP-SSS-133)	5,741.43	22.63
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0232	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/4" Ouitside Diameter x 7" Length Pipe (Eldridge 8669MP-SSS-133)	5,779.37	31.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0233	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1" Ouitside Diameter x 8" Length Pipe (Eldridge 8689MP-SSS-133)	5,819.33	36.20
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0234	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/4" Ouitside Diameter x 10" Length Pipe (Eldridge 8710MP-SSS-133)	5,868.33	45.25
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0235	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/2" Ouitside Diameter x 14" Length Pipe (Eldridge 8712MP-SSS-133)	5,917.33	54.31
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0236	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2" Ouitside Diameter x 14" Length Pipe (Eldridge 8716MP-SSS-133)	5,986.93	63.36
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0237	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2-1/2" Ouitside Diameter x 14" Length Pipe (Eldridge 8720MP-SSS-133)	6,076.39	71.65
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0238	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3" Ouitside Diameter x 14" Length Pipe (Eldridge 8724MP-SSS-133)	8,349.55	80.70
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0239	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 4" Ouitside Diameter x 14" Length Pipe (Eldridge 8732MP-SSS-133)	9,292.49	135.00
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

46 82 83 00-0240 Options And Accessories For MP Series Flowmeters *(46 82 83 00-0209)*

46 82 83 00-0241	LF	10' To 99' Cable Length Between FE/FT And Remote FT/FIT (Eldridge CBL)	4.12	
46 82 83 00-0242	EA	Stainless Steel Identification Tag (Eldridge TAG)	92.70	
46 82 83 00-0243	EA	HART Communications Module (Eldridge HART)	607.73	
46 82 83 00-0244	EA	Profibus DP Communications Module (Eldridge Profibus DP)	607.73	
46 82 83 00-0245	EA	1/2" Tube x 1/2" MNPT, Compression Fitting (Eldridge TPM0808S)	133.91	
46 82 83 00-0246	EA	1/2" Tube x 3/4" MNPT, Compression Fitting (Eldridge TPM0812S)	175.11	
46 82 83 00-0247	EA	3/4" tube x 3/4" MNPT, Compression Fitting (Eldridge TPM1212S)	206.01	
46 82 83 00-0248	EA	3/4" tube x 1" MNPT, Compression Fitting (Eldridge TPM1216S)	370.82	
46 82 83 00-0249	EA	1" tube x 1" MNPT, Compression Fitting (Eldridge TPM1616S)	360.52	
46 82 83 00-0250	EA	1/2" Probe Bore/Seal x 3/4" NPT x 10" Long, Ball Valve (Eldridge BVR0812T)	854.94	
46 82 83 00-0251	EA	3/4" Probe Bore/Seal x 1" NPT x 11" Long, Ball Valve (Eldridge BVR1216T)	1,102.15	
46 82 83 00-0252	EA	1" Probe Bore/Seal x 1-1/4" NPT x 12" Long, Ball Valve (Eldridge BVR1620T)	2,214.61	
46 82 83 00-0253	EA	Ball Valve Retractor Assembly With Medium Pressure Extractor Assembly For 1/2" Outside Diameter Probe (Eldridge MPR0812)	9,270.45	

46 82 83 00-0254 Flow Equipment (FCI) *(46 82 83 00-0099)*

46 82 83 00-0255 Flow Meter *(46 82 83 00-0254)*

46 82 83 00-0256	EA	Digester And Air Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11PA02DABCF	10,149.52	32.99
		For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add	*450.00*	
		Note: Valve, Add		
		For Calibrator Kit, Add	*450.00*	
		For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add	*800.00*	
		Note: Training Class, Add		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0257	EA	Natural Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11WT02DABFF	11,340.02	32.99
		For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add	*450.00*	
		Note: Valve, Add		
		For Calibrator Kit, Add	*450.00*	
		For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add	*800.00*	
		Note: Training Class, Add		
46 82 83 00-0258		**Flow Switches** *(46 82 83 00-0254)*		
46 82 83 00-0259	EA	Thermal Dispersion Flow Switch, 316 Stainless Steel, 3/4" MNPT Process Connection, NEMA 4X. Model: FCI #FCI M/N FLT93S-1B1A103C1A01000	2,192.24	17.36
46 82 83 00-0260		**Flow Conditioners** *(46 82 83 00-0254)*		
46 82 83 00-0261	EA	2" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,156.07	50.35
46 82 83 00-0262	EA	3" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,265.75	78.13
46 82 83 00-0263	EA	4" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,605.82	126.39
46 82 83 00-0264	EA	6" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	2,577.95	138.89
46 82 83 00-0265	EA	8" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	5,906.04	208.34
46 82 83 00-0266	EA	10" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	7,792.43	243.00
46 82 83 00-0267	EA	12" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	8,167.12	295.08
46 82 83 00-0268	EA	14" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	11,112.54	347.10
46 82 83 00-0269	EA	16" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	12,063.26	416.55
46 82 83 00-0270	EA	18" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	14,942.69	435.58
46 82 83 00-0271		**Flow Equipment (Flexim)** *(46 82 83 00-0099)*		
46 82 83 00-0272	EA	Large Pipe Ultrasonic Flow Meter Solution (Flexim 7407MC.LARGE.DEP) Note: Includes one ADM 7407 Dual Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 2 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type G clamp-on flow transducers With pipe diameter range 12" to 255", with 16.4' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDG1N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type K, G, H mounting track with stainless steel SS304 track and SOLID BAND strap kit; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 12" to 100".	26,939.48	194.46
46 82 83 00-0273	EA	Small Pipe Ultrasonic Flow Meter Solution (Flexim 7407SC.SMALL.DEP) Note: Includes one ADM 7407 Single Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 1 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type M clamp-on flow transducers With pipe diameter range 4" to 24", with 13.1' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDM2N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type M/P mounting track with stainless steel SS304 track and strapping; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 3" to 12".	13,215.09	194.46
46 82 83 00-0274	LF	Extension Cable (Flexim DUAL TRIAX Xdcr) Note: Includes two inner conductor Triaxil shielded cable, 0.50" Max OD with halogen free FRNC, ONE cable required per transducer pair; full reel length 2000'.	8.55	0.18
46 82 83 00-0275	EA	J-Box For Cable Extension Of FLOW Sensor (Flexim) Note: Stainless Steel 316 construction; standard TS connection; IP 67 / NEMA 6 (submersible to 1 meter)	569.49	22.08
46 82 83 00-0276		**Flow Equipment (Foxboro)** *(46 82 83 00-0099)*		
46 82 83 00-0277		**Magnetic Flow Meters For Chlorine Service** *(46 82 83 00-0276)*		
46 82 83 00-0278	EA	1" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	4,465.56	25.35
46 82 83 00-0279	EA	2" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	4,973.25	50.35
46 82 83 00-0280	EA	3" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	5,257.53	78.13
46 82 83 00-0281	EA	4" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	6,020.42	126.39
46 82 83 00-0282	EA	6" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	8,127.30	138.89
46 82 83 00-0283	EA	8" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	12,612.19	208.34
46 82 83 00-0284	EA	10" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	17,080.27	243.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0285	EA	12" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	20,663.60	295.08
46 82 83 00-0286		**Magnetic Flow Meters For Raw Sewage Service** *(46 82 83 00-0276)*		
46 82 83 00-0287	EA	12" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	17,734.76	295.08
46 82 83 00-0288	EA	14" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	23,371.06	347.10
46 82 83 00-0289	EA	16" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	26,986.66	416.55
46 82 83 00-0290	EA	18" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	30,707.41	435.58
46 82 83 00-0291	EA	24" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	41,511.23	587.32
46 82 83 00-0292	EA	30" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	77,409.09	937.48
46 82 83 00-0293	EA	36" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	88,754.18	1,874.96
46 82 83 00-0294		**Magnetic Flow Transmitter** *(46 82 83 00-0276)*		
46 82 83 00-0295	EA	Magnetic Flow Transmitter, Surface Mounting, HART Protocol, Model: Foxboro Company #IMT25-SEATA10M or N	3,462.52	26.04
46 82 83 00-0296		**Flow Equipment (Kates)** *(46 82 83 00-0099)*		
46 82 83 00-0297		**316 Stainless Steel Automatic Flow Rate Controllers** *(46 82 83 00-0296)*		
46 82 83 00-0298	EA	0.02 - 0.5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #AB11T-B	3,995.39	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	
46 82 83 00-0299	EA	0.05 - 1 GPM 316 Stainless Steel Stainless Steel Automatic Flow Rate Controller, Kates #BB11T-B	3,995.39	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	
46 82 83 00-0300	EA	0.1 - 3 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #CB11T-B	3,995.39	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	
46 82 83 00-0301	EA	1 - 5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #EB11T-B	4,404.53	23.26
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0302	EA	1 - 12 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #FB11T-B	4,404.53	23.26
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0303	EA	1 - 25 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #GB11T-B	4,404.53	23.26
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0304		**Polyvinyl Chloride (PVC) Automatic Flow Rate Controllers** *(46 82 83 00-0296)*		
46 82 83 00-0305	EA	0.02 - 0.5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #AC11T-B	3,928.64	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0306	EA	0.05 - 1 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #BC11T-B	3,928.64	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0307	EA	0.1 - 3 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #CC11T-B	3,928.64	17.36
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0308	EA	1 - 5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #EC11T-B	4,337.77	23.26
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	
46 82 83 00-0309	EA	1 - 12 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #FC11T-B	4,337.77	23.26
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	
46 82 83 00-0310	EA	1 - 25 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #GC11T-B	4,337.77	23.26
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0311		**Flow Equipment (Krohne)** *(46 82 83 00-0099)* Note: Non-explosives areas, hardrubber lining, Hastelloy C22 exchangeable electrodes, IP 67 protection category, two stainless steel grounding rings, separate with aluminum connection box, 30' of connecting cable for remote connection to signal converter.		
46 82 83 00-0312	EA	1" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1444A04123211010600)	2,043.56	52.09
46 82 83 00-0313	EA	1-1/2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1446A04123211010600)	2,069.43	72.92
46 82 83 00-0314	EA	2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1447A04123211010600)	2,047.16	92.57
46 82 83 00-0315	EA	3" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144AA04123211010600)	2,140.65	118.06
46 82 83 00-0316	EA	4" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144BA04123211010600)	2,601.34	197.93
46 82 83 00-0317	EA	5" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144CA04123211010600)	2,880.07	225.01
46 82 83 00-0318	EA	6" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144DA04123211010600)	3,190.62	250.01
46 82 83 00-0319	EA	8" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144EA04123211010600)	4,408.08	319.47
46 82 83 00-0320	EA	10" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144FA04123211010600)	5,582.86	388.91
46 82 83 00-0321	EA	12" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144GA04123211010600)	5,808.94	472.25
46 82 83 00-0322	EA	14" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144HA04123211010600)	7,390.26	500.01
46 82 83 00-0323	EA	16" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144KA04123211010600)	9,090.43	374.94
46 82 83 00-0324	EA	18" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144LA04123211010600)	11,076.81	610.01
46 82 83 00-0325	EA	20" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144MA04123211010600)	12,534.78	687.52
46 82 83 00-0326	EA	24" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144NA04123211010600)	16,281.27	843.77
46 82 83 00-0327	EA	Signal Converter For Electromagnetic Flowmeters IFC100 (Krohne VN314NA0430010100003)	1,748.77	31.25
		For FM Class 1, Div 2, Add	*116.61*	
		For Stainless Steel Converter Box, Add	*42.40*	
46 82 83 00-0328	EA	Signal Converter For Electromagnetic Flowmeters IFC300 (Krohne VN304NA0430010100000)	2,560.77	31.25
		For FM Class 1, Div 2, Add	*116.61*	
		For Stainless Steel Converter Box, Add	*42.40*	
46 82 83 00-0329		**Flow Equipment (Kurz)** *(46 82 83 00-0099)*		
46 82 83 00-0330		**Flow Meters** *(46 82 83 00-0329)* Note: Drill hole and install		
46 82 83 00-0331	EA	Various Gases, Calibrated Flow Meter (Kurz 454FTB) Note: 316 stainless steel sensor support, 115 VAC, enclosure attached to sensor. For 2" to 36" diameter pipe.	7,167.94	43.40
		For Remote Electronics, Add	*807.76*	
		For 24 Volt DC Power, Deduct	*-483.38*	
46 82 83 00-0332	EA	Wet Digester Gas, Calibrated Flow Meter (Kurz 454FTB-WGF) Note: 316 stainless steel sensor support, 115 V AC, enclosure attached to sensor. For 2" to 36" diameter pipe.	8,787.70	43.40
		For Remote Electronics, Add	*807.76*	
		For 24 Volt DC Power, Deduct	*-483.38*	
46 82 83 00-0333		**Flow Equipment (Micronics)** *(46 82 83 00-0099)*		
46 82 83 00-0334		**Ultrasonic Portable** *(46 82 83 00-0333)*		
46 82 83 00-0335	EA	1/2" To 4-1/2", 20 Hour, Type A, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220)	8,002.00	86.81
46 82 83 00-0336	EA	2" To 40", 20 Hour, Type B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220)	9,104.39	97.23
46 82 83 00-0337	EA	1/2" To 4-1/2", 20 Hour, Type A-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	13,256.42	138.89
46 82 83 00-0338	EA	2" To 79", 20 Hour, Type B-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	13,270.32	145.84
46 82 83 00-0339	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	14,729.87	159.73
46 82 83 00-0340	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330HT)	16,196.12	166.68
46 82 83 00-0341	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330IP68)	16,216.95	177.10
46 82 83 00-0342	EA	2" To 78", 20 Hour, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 440IP)	15,461.43	170.15
46 82 83 00-0343		**Ultrasonic Portable Spares** *(46 82 83 00-0333)*		
46 82 83 00-0344	EA	Type A Sensor For PORTAFLOW 330HT	2,307.31	
46 82 83 00-0345	EA	Type B Sensor For PORTAFLOW 330HT	2,307.31	
46 82 83 00-0346	EA	Type A Sensor For PORTAFLOW 330IP68	2,307.31	
46 82 83 00-0347	EA	Type B Sensor For PORTAFLOW 330IP68	2,307.31	
46 82 83 00-0348	EA	Type B Spare Transducer For PORTAFLOW 220 And 330	1,596.58	
46 82 83 00-0349	EA	Type A Spare Transducer For PORTAFLOW 220 And 330	1,596.58	
46 82 83 00-0350	EA	Type B Spare Transducer For PORTAFLOW 440	2,307.31	
46 82 83 00-0351	EA	Type D Sensor	4,449.82	
46 82 83 00-0352	EA	Keypad For PORTAFLOW 330	115.37	
46 82 83 00-0353	EA	Keypad For PORTAFLOW 220	115.37	
46 82 83 00-0354	EA	Pulse Cable Assembly For PORTAFLOW 220 And 330	138.03	
46 82 83 00-0355	EA	RS232 Cable Assembly For PORTAFLOW 330	181.29	
46 82 83 00-0356	EA	USB Cable Assembly For PORTAFLOW 330	181.29	
46 82 83 00-0357	EA	2 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	181.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0358	EA	2 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	181.29	
46 82 83 00-0359	EA	5 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	168.93	
46 82 83 00-0360	EA	5 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	168.93	
46 82 83 00-0361	EA	10 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	197.77	
46 82 83 00-0362	EA	10 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	197.77	
46 82 83 00-0363	EA	Carry Case With Foam For PORTAFLOW 330	920.86	
46 82 83 00-0364	EA	Carry Case With Foam For PORTAFLOW 220	525.33	
46 82 83 00-0365	EA	Carry Case And Foam With Blank Grey Clips For PORTAFLOW 220	494.42	
46 82 83 00-0366	EA	Engraved, Metric Gudie Rail Ruler For PORTAFLOW 220 And 330	181.29	
46 82 83 00-0367	EA	1.6mm X 13mm, Zinc, Starihgt Link Chain	8.24	
46 82 83 00-0368	EA	Battery For PORTAFLOW 220 And 330	395.54	
46 82 83 00-0369	EA	Transducer Test Block For PORTAFLOW 220 And 330	273.99	
46 82 83 00-0370	EA	Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 220 And 330	1,524.47	
46 82 83 00-0371	EA	Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 440IP	1,524.47	
46 82 83 00-0372	EA	Stainless Steel Guide Rail Assembly For PORTAFLOW 220 And 330	576.83	
46 82 83 00-0373	EA	Stainless Steel Guide Rail Assembly For PORTAFLOW 440	576.83	
46 82 83 00-0374	EA	85 GM, Superlube Grease	76.22	
46 82 83 00-0375	EA	Portable Heat Meter	4,851.54	
46 82 83 00-0376	EA	AC Adapter Kit For PORTAFLOW 440IP	168.93	
46 82 83 00-0377	EA	AC Adapter Kit For PORTAFLOW 220 And 330	168.93	
46 82 83 00-0378	EA	M3 x 12mm, Stainless Steel, Thumb Screw For Ruler	12.36	
46 82 83 00-0379	EA	M5 x 25mm, Stainless Steel, Thumb Screw For Transducer	12.36	

46 82 83 00-0380 Ultrasonic Permanent *(46 82 83 00-0333)*

46 82 83 00-0381	EA	Pulse And 4-20 mA Universal Transmitter (Micronics ULTRAFLO 1000)	3,761.53	26.68
46 82 83 00-0382	EA	Pulse And Modbus BTU Meter (Micronics ULTRAFLO 1000)	4,897.62	33.34
46 82 83 00-0383	EA	110/240 Volt AC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	7,939.53	55.57
46 82 83 00-0384	EA	24 Volt DC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	7,939.53	55.57
46 82 83 00-0385	EA	110/240 Volt AC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,671.68	61.35
46 82 83 00-0386	EA	24 Volt DC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,671.68	61.35
46 82 83 00-0387	EA	110/240 Volt AC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,671.68	61.35
46 82 83 00-0388	EA	24 Volt DC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,671.68	61.35
46 82 83 00-0389	EA	110/240 Volt AC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,733.48	61.35
46 82 83 00-0390	EA	24 Volt DC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,733.48	61.35
46 82 83 00-0391	EA	110/240 Volt AC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,465.63	66.69
46 82 83 00-0392	EA	24 Volt DC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,465.63	66.69
46 82 83 00-0393	EA	110/240 Volt AC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,465.63	66.69
46 82 83 00-0394	EA	24 Volt DC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,465.63	66.69
46 82 83 00-0395	EA	110/240 Volt AC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,904.91	70.24
46 82 83 00-0396	EA	24 Volt DC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,904.91	70.24
46 82 83 00-0397	EA	110/240 Volt AC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	9,403.83	66.69
46 82 83 00-0398	EA	24 Volt DC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	9,403.83	66.69
46 82 83 00-0399	EA	110/240 Volt AC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,082.25	71.13
46 82 83 00-0400	EA	24 Volt DC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,082.25	71.13
46 82 83 00-0401	EA	110/240 Volt AC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,082.25	71.13
46 82 83 00-0402	EA	24 Volt DC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,082.25	71.13
46 82 83 00-0403	EA	110/240 Volt AC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,187.48	72.47
46 82 83 00-0404	EA	24 Volt DC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,187.48	72.47
46 82 83 00-0405	EA	110/240 Volt AC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,919.63	77.80
46 82 83 00-0406	EA	24 Volt DC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,919.63	77.80
46 82 83 00-0407	EA	110/240 Volt AC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,919.63	77.80
46 82 83 00-0408	EA	24 Volt DC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,181.59	80.03
46 82 83 00-0409	EA	110/240 Volt AC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,181.59	80.03
46 82 83 00-0410	EA	24 Volt DC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,181.59	80.03
46 82 83 00-0411	EA	Diagonal Guide Rail For Type B Sensors	711.54	5.78

46 82 83 00-0412 Ultrasonic Permanent Spares *(46 82 83 00-0333)*

46 82 83 00-0413	EA	1/2" To 4-1/2", Type A, Spare Transducer	1,596.58
46 82 83 00-0414	EA	2" To 79", Type B, Spare Transducer	1,771.69
46 82 83 00-0415	EA	1/2" To 4-1/2", Type A-HT, Sensor	2,307.31
46 82 83 00-0416	EA	1/2" To 4-1/2", Type A-IP68, Waterproof Sensor	2,307.31
46 82 83 00-0417	EA	2" To 79", Type B-HT Sensor	2,492.72
46 82 83 00-0418	EA	2" To 79", Type B-IP68, Waterproof Sensor	2,492.72
46 82 83 00-0419	EA	59" To 196", Type D, Sensor	4,449.82
46 82 83 00-0420	EA	IP68 Red Cable Meter	26.78
46 82 83 00-0421	EA	IP68 Blue Cable Meter	26.78
46 82 83 00-0422	EA	100 - 240 Volt Stepdown Transformer To 24V	92.70
46 82 83 00-0423	LF	RG223/U Coax Cable	10.30
46 82 83 00-0424	EA	5M Sensor Cable Assembly	168.93
46 82 83 00-0425	EA	10M Sensor Cable Assembly	238.97
46 82 83 00-0426	EA	15M Sensor Cable Assemb;y	387.30
46 82 83 00-0427	EA	20M Sensor Cable Assembly	484.12
46 82 83 00-0428	EA	5M Waterproof Sensor Cable Assembly	280.17
46 82 83 00-0429	EA	10M Waterproof Sensor Cable Assembly	381.12
46 82 83 00-0430	EA	Red, External HT Signal Cable Assembly	63.86
46 82 83 00-0431	EA	Blue, External HT Signal Cable Assembly	63.86
46 82 83 00-0432	EA	OMEGA 38 Grease In Syringe	20.60
46 82 83 00-0433	EA	OMEGA 71 Grease In Syringe	20.60
46 82 83 00-0434	EA	U1000 And U1000HM Gel Pad	4.12
46 82 83 00-0435	EA	Calec With Modbus	3,975.99
46 82 83 00-0436	EA	Claec With Bacnet And PT probes	5,315.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0437	EA	110 Volt AC, Calec With Pulse Output	2,863.54	
46 82 83 00-0438	EA	Battery Operated, Calec With Pulse Output	2,781.14	
46 82 83 00-0439	EA	Clamp-On Temperature Sensors	741.64	
46 82 83 00-0440		**Doppler** *(46 82 83 00-0333)*		
46 82 83 00-0441	EA	Stingray, Portable, Level-Velocity Logger	10,511.23	74.68
46 82 83 00-0442	EA	Portable Doppler Flow Meter (Micronics PDFM-5.0)	11,226.87	123.61
46 82 83 00-0443	EA	Doppler Flow Monitor (Micronics DFM-5.0)	5,912.32	41.35
46 82 83 00-0444	EA	Open Channel Flow Monitor (Micronics OC5000)	6,852.71	48.01
46 82 83 00-0445	EA	Level And Flow Monitor (Micronics SLT-5.0)	5,289.85	39.13
46 82 83 00-0446	EA	Doppler Flow Switch (Micronics DFS-II)	2,237.65	16.90
46 82 83 00-0447	EA	Level Indicating Transmitter (Micronics LIT25)	3,196.41	22.23
46 82 83 00-0448	EA	Pump Station Level Controller (Micronics PSL)	6,269.22	44.46
46 82 83 00-0449	EA	Differential Level Transmitter (Micronics UF DL5000)	8,943.93	63.57
46 82 83 00-0450	EA	Area-Velocity Flow Meter (Micronics UF AV5000)	9,771.01	70.24
46 82 83 00-0451	EA	Portable, Ultrasonic Depth Meter And Thickness Gauge	1,044.85	7.56
46 82 83 00-0452		**Flow Equipment (Panametrics)** *(46 82 83 00-0099)*		
46 82 83 00-0453		**Transit-Time Clamp-On Ultrasonic Flow Meter** *(46 82 83 00-0452)*		
46 82 83 00-0454	EA	Transit-Time Clamp On Ultrasonic Flowmeter, NEMA 4X, Data Logging Capability, Two 4-20 mA Outputs, One RS232 Output, 120 Volt AC Power With Clamp-On Transducers, Clamping Fixtures And Permanent Solid Couplant. Panametrics #DF868	11,364.19	55.57
		For NEMA 7 Explosion-Proof Meter, Add	*2,235.00*	
		For Transflexion Measurement Technique For High Solid Concentration Measurement, Add	*360.00*	
		For Clamping Fixtures For Installation On Pipe >24", Add	*60.00*	
		For Additional Four 4-20mA Outputs, Add	*360.00*	
		For Additional Eight 4-20mA Outputs, Add	*720.00*	
46 82 83 00-0455		**Flow Equipment (Polysonics)** *(46 82 83 00-0099)*		
46 82 83 00-0456		**Transit Time Flowmeter** *(46 82 83 00-0455)*		
46 82 83 00-0457	EA	Dedicated Transit Time Flowmeter, NEMA 4X, 0-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT6088	11,191.12	43.40
46 82 83 00-0458	EA	Portable Transit Time Flowmeter, NEMA 4X, 0.055-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT7088	14,342.38	43.40
46 82 83 00-0459		**Ultrasonic Level System** *(46 82 83 00-0455)*		
46 82 83 00-0460	EA	Dedicated Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX40-1-1-30A	10,099.15	34.73
46 82 83 00-0461	EA	Portable Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX30-1-16A	17,402.59	34.73
46 82 83 00-0462		**Flow Equipment (Rosemount)** *(46 82 83 00-0099)*		
46 82 83 00-0463		**Magnetic Flowmeters, Polyurethane Lining Magnetic Flowmeter** *(46 82 83 00-0462)* Note: Flowtube model 8707		
46 82 83 00-0464	EA	3" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	5,259.80	75.58
46 82 83 00-0465	EA	4" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	6,092.17	126.70
46 82 83 00-0466	EA	6" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	7,304.68	160.05
46 82 83 00-0467	EA	8" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	9,090.86	204.51
46 82 83 00-0468	EA	10" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	10,436.87	248.96
46 82 83 00-0469	EA	12" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	16,303.88	302.31
46 82 83 00-0470	EA	14" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	19,205.54	355.66
46 82 83 00-0471	EA	16" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	24,787.36	391.23
46 82 83 00-0472	EA	18" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	27,416.07	433.90
46 82 83 00-0473	EA	20" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	32,763.39	489.04
46 82 83 00-0474	EA	24" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	36,440.80	600.18
46 82 83 00-0475	EA	30" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	43,032.84	978.07
46 82 83 00-0476	EA	36" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	55,673.90	1,304.09
46 82 83 00-0477		**Magnetic Flowmeter/Transmitter Assembly; Teflon Liner** *(46 82 83 00-0462)* Note: Flowtube Model 8711		
46 82 83 00-0478	EA	1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,191.26	21.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0479	EA	1" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,206.52	33.56
46 82 83 00-0480	EA	1-1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner 316SST Electrodes; Integral Mounted 8732E; Division 2 FM Approval	4,259.29	46.80
46 82 83 00-0481	EA	2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,238.67	59.28
46 82 83 00-0482	EA	3" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,859.65	75.67
46 82 83 00-0483	EA	4" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	4,283.78	127.02
46 82 83 00-0484	EA	6" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	5,745.92	160.63
46 82 83 00-0485	EA	8" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	6,946.69	204.51

46 82 83 00-0486 Multi Variable Mass Flowmeters *(46 82 83 00-0462)*

46 82 83 00-0487	EA	Multivariable Mass Flow Transmitters	7,913.43	
46 82 83 00-0488	EA	Rosemount Manifold	778.71	
46 82 83 00-0489	EA	12" RTD With 316 Stainless Steel Thermowell	854.84	

46 82 83 00-0490 Vortex Flowmeters *(46 82 83 00-0462)*

Note: Model 8800D

46 82 83 00-0491	EA	1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,108.72	21.34
46 82 83 00-0492	EA	1" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,123.98	33.34
46 82 83 00-0493	EA	1-1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,164.97	46.68
46 82 83 00-0494	EA	2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,233.19	59.26
46 82 83 00-0495	EA	3" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	7,231.02	75.58
46 82 83 00-0496	EA	4" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	8,507.51	126.70
46 82 83 00-0497	EA	6" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	9,722.29	160.05
46 82 83 00-0498	EA	8" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	14,263.78	204.51
46 82 83 00-0499	EA	8" x 6" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	13,333.11	181.93
46 82 83 00-0500	EA	10" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	22,248.64	248.96
46 82 83 00-0501	EA	10" x 8" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	21,787.78	226.09
46 82 83 00-0502	EA	12" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	25,504.16	302.31
46 82 83 00-0503	EA	12" x 10" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	28,756.51	275.37

46 82 83 00-0504 Magnetic Flowmeter Transmitters *(46 82 83 00-0462)*

46 82 83 00-0505	EA	Rosemount High Signal Magnetic Flowmeter Transmitter; Remote Mounting; 115 Volt AC Power; Local Operator Interface; Division 2 FM Certification	6,096.19	

46 82 83 00-0506 Magnetic Flowmeter/Transmitter Assembly, Polyurethane Lining *(46 82 83 00-0462)*

Note: Model 8750

46 82 83 00-0507	EA	Rosemount 2" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	3,400.17	59.26
46 82 83 00-0508	EA	Rosemount 3" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	3,607.95	75.58
46 82 83 00-0509	EA	Rosemount 4" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	4,045.05	126.70
46 82 83 00-0510	EA	Rosemount 6" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	4,638.27	160.05
46 82 83 00-0511	EA	Rosemount 8" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	5,101.90	204.51
46 82 83 00-0512	EA	Rosemount 10" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	6,613.26	248.96
46 82 83 00-0513	EA	Rosemount 12" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	7,499.19	302.31
46 82 83 00-0514	EA	Rosemount 14" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	9,170.56	355.66
46 82 83 00-0515	EA	Rosemount 16" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	11,869.38	391.23
46 82 83 00-0516	EA	Rosemount 18" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	12,802.09	433.90
46 82 83 00-0517	EA	Rosemount 20" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	15,744.36	489.04
46 82 83 00-0518	EA	Rosemount 24" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	21,811.63	600.18
46 82 83 00-0519	EA	Rosemount 30" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	30,605.30	978.07
46 82 83 00-0520	EA	Rosemount 36" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	37,047.82	1,304.09
46 82 83 00-0521	EA	8714i Diagnostic Tool	2,209.50	

46 82 83 00-0522 Flow Equipment (Scott Safety) *(46 82 83 00-0099)*

46 82 83 00-0523 Scott Safety Fixed Systems *(46 82 83 00-0522)*

46 82 83 00-0524	EA	MALE CONNECTOR (Scott Safety 0003-1822)	32.81	0.98
46 82 83 00-0525	EA	6' RIBBON CABLE (Scott Safety 0010-1120)	232.00	6.96
46 82 83 00-0526	EA	CTOR BODY ASSEMBLY (Scott Safety 0023-4019)	725.77	21.75
46 82 83 00-0527	EA	PCB ASSY, CD800/830 (Scott Safety 0023-4043)	3,152.94	94.51
46 82 83 00-0528	EA	GASKET (Scott Safety 0023-4067)	3.57	0.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0529	EA	VALVE DIAPHRAM (Scott Safety 0023-4218)	20.83	0.63
46 82 83 00-0530	EA	10 IN ALUM PROBE TUBE ONLY (Scott Safety 0023-4672)	35.70	1.07
46 82 83 00-0531	EA	BATTERY-12V, 2.5AH (Scott Safety 004-0002)	270.68	8.12
46 82 83 00-0532	EA	BATTERY-12V, 1.2 AH, LEAD ACID (Scott Safety 004-0008)	237.95	7.13
46 82 83 00-0533	EA	3V LITHIUM BATTERY CR2450-FT (Scott Safety 004-0020)	35.70	1.07
46 82 83 00-0534	EA	CE130 SENSOR ELEMENT ONLY (Scott Safety 0051-1861)	1,386.11	41.55
46 82 83 00-0535	EA	MITEX (PTFE) MEMBRANE FILTER (Scott Safety 006-0050)	29.75	0.89
46 82 83 00-0536	EA	O-RING, 2-026, SILICONE, ORN (Scott Safety 009-0022)	6.07	0.18
46 82 83 00-0537	EA	O-RING, 2-127, V747-75 (Scott Safety 009-0024)	38.66	1.16
46 82 83 00-0538	EA	O-RING, #2-032, V709-90 (Scott Safety 009-0028)	23.20	0.69
46 82 83 00-0539	EA	O-RING,2-029,SILICONE S604-70 (Scott Safety 009-0039)	32.72	0.98
46 82 83 00-0540	EA	O-RING, EPDM, 3/16" x 7/16" (Scott Safety 009-0052)	3.57	0.10
46 82 83 00-0541	EA	JUMPER PLUG (Scott Safety 018-0066)	19.63	0.59
46 82 83 00-0542	EA	3 1/2 DIGIT LCD W/ BAR GRAPH (Scott Safety 019-0013)	65.44	1.96
46 82 83 00-0543	EA	4600-IR LCD DISPLAY (Scott Safety 019-0020)	104.11	3.12
46 82 83 00-0544	EA	FLOWMETER W/ SCREW ADJUSTMENT (Scott Safety 024-0007)	797.14	23.90
46 82 83 00-0545	EA	FLOWMETER-ACRYLIC, .6-5LPM (Scott Safety 024-0008)	645.46	19.35
46 82 83 00-0546	EA	4.25 PYROELECTRIC DETECTOR (Scott Safety 025-0478)	1,567.56	46.99
46 82 83 00-0547	EA	PWR SUP 24V 1A UNREG 120V (Scott Safety 028-0002)	621.66	18.63
46 82 83 00-0548	EA	5 Volt DC WALL TRANSFORMER (Scott Safety 028-0027)	56.51	1.70
46 82 83 00-0549	EA	POWER SUPPLY, 24VC W/MTG BRKT. (Scott Safety 028-0033)	1,240.36	37.18
46 82 83 00-0550	EA	,24 Volt DC, 150 Watt, Power Supply (Scott Safety 028-0034)	1,710.32	51.27
46 82 83 00-0551	EA	24 Volt DC, 100-240 Volt AC, Power Supply (Scott Safety 028-0035)	359.92	10.79
46 82 83 00-0552	EA	AC DC POWER SUPPLY (Scott Safety 028-0057)	133.86	4.01
46 82 83 00-0553	EA	1 Ampere, SLO-BLOW FUSE, 5 X 20 MM (Scott Safety 032-0014)	19.63	0.59
46 82 83 00-0554	EA	CIRCUIT BREAKER-1 Ampere, W28-XTIA (Scott Safety 032-0015)	71.38	2.14
46 82 83 00-0555	EA	POINTER KNOB (Scott Safety 035-0014)	6.56	0.19
46 82 83 00-0556	EA	HEADER-6 POS, VERTICAL PLUG-ON (Scott Safety 037-0053)	10.11	0.30
46 82 83 00-0557	EA	TERMINAL BLOCK-9 POS. PLUG-ON (Scott Safety 037-0069)	32.72	0.98
46 82 83 00-0558	EA	RELAY, SPDT, PLUG,24V 10A (Scott Safety 038-0017)	110.07	3.30
46 82 83 00-0559	EA	SOLID STATE RLY, 24-330 Volt AC, 25 Amperes (Scott Safety 038-0023)	294.47	8.82
46 82 83 00-0560	EA	SPDT PCB 5A 24V RELAY (Scott Safety 038-0026)	56.51	1.70
46 82 83 00-0561	EA	200 CC/MIN NON-ADJ FLOW SWITCH (Scott Safety 041-0074)	431.30	12.93
46 82 83 00-0562	EA	1/8" NPT CLEAR PP BARBED FITT (Scott Safety 048-0031)	13.09	0.40
46 82 83 00-0563	EA	3/4" NPT .15-.25 CORD GRIP (Scott Safety 048-0039)	107.09	3.21
46 82 83 00-0564	EA	LIQUIDTIGHT FLEX CONDUIT, 3/4" (Scott Safety 048-0056)	19.63	0.59
46 82 83 00-0565	EA	3-WAY BALL VALVE, 1/4", S.S. (Scott Safety 048-0083)	1,368.25	41.02
46 82 83 00-0566	EA	096-390 DEG. M-F ELBOW 3/4 NPT (Scott Safety 048-0089)	104.11	3.12
46 82 83 00-0567	EA	3/4 NPT CABLE GLAND FITTING (Scott Safety 048-0091)	71.38	2.14
46 82 83 00-0568	EA	SS HOSE CLAMP,7/16-1,WORM DRIV (Scott Safety 053-0008)	13.09	0.40
46 82 83 00-0569	EA	6/32 F/F STANDOFF 1.65 LG ALUM (Scott Safety 054-0065)	10.11	0.30
46 82 83 00-0570	EA	8-32 M/ NO THD FM STD 1.25 LG (Scott Safety 054-0066)	13.09	0.40
46 82 83 00-0571	EA	0.25 OD. X 7/32 LG NYLON SPACER (Scott Safety 054-0067)	10.11	0.30
46 82 83 00-0572	EA	STANDOFF-1/4 HEX,8-32X1.34 M/F (Scott Safety 054-0069)	19.33	0.58
46 82 83 00-0573	EA	STANDOFF-1/4 HEX,8-32X1.19 M/F (Scott Safety 054-0070)	22.60	0.68
46 82 83 00-0574	EA	STANDOFF-1/4 HEX,8-32X1.25 M/F (Scott Safety 054-0071)	9.82	0.29
46 82 83 00-0575	EA	STANDOFF-1/4 HEX,8-32X1.00 M/F (Scott Safety 054-0072)	22.60	0.68
46 82 83 00-0576	EA	HEX SPACER,#6-32 X .75LG BRASS (Scott Safety 054-0073)	9.82	0.29
46 82 83 00-0577	EA	MODIFIED STANDOFF 1/4 HEX 2"LG (Scott Safety 054-0092)	35.70	1.07
46 82 83 00-0578	EA	1/4H STANDOFF,8-32X1-1/16L,M/F (Scott Safety 054-0094)	6.56	0.19
46 82 83 00-0579	EA	FRONT COVER, CLEAR LEXAN (Scott Safety 063-0075)	633.56	18.99
46 82 83 00-0580	EA	HINGE COVER (Scott Safety 063-0076)	35.70	1.07
46 82 83 00-0581	EA	TEFLON PFA TUBING, 1/4" OD (Scott Safety 068-0005)	23.78	0.71
46 82 83 00-0582	EA	TEFLON PFA TUBING, 1/4"OD, 10' (Scott Safety 068-0005-010)	237.95	7.13
46 82 83 00-0583	EA	TEFLON PFA TUBING, 1/4"OD, 25' (Scott Safety 068-0005-025)	594.89	17.83
46 82 83 00-0584	EA	1/8 ID X 1/4 OD TYGON TUBING (Scott Safety 068-0007)	16.66	0.50
46 82 83 00-0585	EA	1/8 ID, 1/4 OD, TYGON TUBING, 10' (Scott Safety 068-0007-010)	165.68	4.97
46 82 83 00-0586	EA	1/8 ID, 1/4 OD, TYGON TUBING, 25' (Scott Safety 068-0007-025)	414.21	12.42
46 82 83 00-0587	EA	1/8 ID, 1/4 OD, TYGON TUBING, 50' (Scott Safety 068-0007-050)	828.39	24.83
46 82 83 00-0588	EA	1/8 ID, 1/4 OD, TYGON TUBING, 75' (Scott Safety 068-0007-075)	1,242.60	37.25
46 82 83 00-0589	EA	TUBING,TYGON FEP-LINED, 1/8"ID (Scott Safety 068-0014)	13.09	0.40
46 82 83 00-0590	EA	TUBING,TYGON FEP-LINED,3/16"ID (Scott Safety 068-0015)	13.09	0.40
46 82 83 00-0591	EA	CABLE 22 AWG 2 COND SHIELDED (Scott Safety 069-0005)	3.57	0.10
46 82 83 00-0592	EA	9C/#24AWG SHIELDED CABLE (Scott Safety 069-0053)	10.11	0.30
46 82 83 00-0593	EA	SHIELDED CABLE,4 PR.,24 AWG (Scott Safety 069-0061)	6.26	0.19
46 82 83 00-0594	EA	18AWG/3COND BRAID SHIELD CABLE (Scott Safety 069-0080)	6.56	0.19
46 82 83 00-0595	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-10)	104.11	3.12
46 82 83 00-0596	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-100)	951.83	28.53
46 82 83 00-0597	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-25)	237.95	7.13
46 82 83 00-0598	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-50)	475.91	14.26
46 82 83 00-0599	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-75)	713.87	21.40
46 82 83 00-0600	EA	MODEL 4600 GAS XMTR OVERLAY (Scott Safety 071-0150)	32.72	0.98
46 82 83 00-0601	EA	4688-IR LCD OVERLAY LABEL (Scott Safety 071-0155)	35.70	1.07
46 82 83 00-0602	EA	4600MB LCD OVERLAY LABEL (Scott Safety 071-0157)	35.70	1.07
46 82 83 00-0603	EA	TOUCH PANEL OVERLAY (Scott Safety 071-0159)	246.87	7.40
46 82 83 00-0604	EA	7200 TOUCH PANEL (Scott Safety 071-0164)	1,472.35	44.14
46 82 83 00-0605	EA	4600 SENSOR HOUSING END CAP (Scott Safety 073-0165)	297.44	8.91
46 82 83 00-0606	EA	4600-IR LCD SUPPORT PANEL (Scott Safety 073-0185)	32.72	0.98
46 82 83 00-0607	EA	4600RS S.S. SNSR. HSNG. ENDCAP (Scott Safety 073-0210)	577.05	17.30
46 82 83 00-0608	EA	ADAPTER PLT,QUAD II TO NIC II (Scott Safety 073-0214)	148.72	4.46
46 82 83 00-0609	EA	MOUNTING BRACKET, FLOWMETER (Scott Safety 073-0215)	136.84	4.09
46 82 83 00-0610	EA	XP ENCL. W/GLASS COVER (ATEX) (Scott Safety 073-0219)	565.14	16.94
46 82 83 00-0611	EA	XP ENCL W/GLASS COVER/NON-ATEX (Scott Safety 073-0219-1)	574.06	17.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0612	EA	3/4" CONDUIT OUTLET BOX (Scott Safety 073-0226-1)	452.13	13.55
46 82 83 00-0613	EA	XP ENCL. W/BLIND COVER (ATEX) (Scott Safety 073-0227)	425.34	12.75
46 82 83 00-0614	EA	GUARD. FILAMENT DETECTOR (6V) (Scott Safety 073-0240)	353.95	10.61
46 82 83 00-0615	EA	XP ENCL W/DOME COVER,RELAY OPT (Scott Safety 073-0264-1)	862.60	25.86
46 82 83 00-0616	EA	4600 THREAD ADAPTER (Scott Safety 073-0328)	240.94	7.21
46 82 83 00-0617	EA	GUARD, FLAME ARRESTOR (ATEX) (Scott Safety 073-0332)	223.08	6.69
46 82 83 00-0618	EA	OUTER FLAME ARRESTOR ASSEMBLY (Scott Safety 073-0336)	636.53	19.08
46 82 83 00-0619	EA	PIPE PLUG 1/8 NPT (Scott Safety 073-0366)	15.75	0.48
46 82 83 00-0620	EA	JUNCTION BOX NEXT GEN (Scott Safety 073-0367)	178.47	5.35
46 82 83 00-0621	EA	SUN SHIELD, TRANSMITTER (Scott Safety 073-0373)	223.08	6.69
46 82 83 00-0622	EA	ADAPTER MOUNTING PLATE (Scott Safety 073-0374)	223.08	6.69
46 82 83 00-0623	EA	GAS SENSOR DUCT ADAPTER (Scott Safety 074-0138)	232.00	6.96
46 82 83 00-0624	EA	HOSE TEE 1/4 X 1/4 X 1/4 HDPE (Scott Safety 074-0208)	29.75	0.89
46 82 83 00-0625	EA	END CAP - NORYL - SERIES 4500 (Scott Safety 074-0225)	35.70	1.07
46 82 83 00-0626	EA	4600 ENCLOSURE MOUNTING PLATE (Scott Safety 074-0289)	56.51	1.70
46 82 83 00-0627	EA	1/4" OD WHT PP BULKHEAD UNION (Scott Safety 074-0295)	24.69	0.74
46 82 83 00-0628	EA	4600 1/4 TURN TFE RAIN SHIELD (Scott Safety 074-0305)	184.42	5.53
46 82 83 00-0629	EA	4600-IR RAIN SHIELD (Scott Safety 074-0321)	133.86	4.01
46 82 83 00-0630	EA	4600 COND. HUM PFE SNSR SPACER (Scott Safety 074-0331)	50.57	1.51
46 82 83 00-0631	EA	GRAY PVC FILTER CAGE (12 SLOT) (Scott Safety 074-0340)	288.53	8.65
46 82 83 00-0632	EA	4600 SST SENSOR CAP (Scott Safety 074-0344)	139.81	4.19
46 82 83 00-0633	EA	4600RS SST SENSOR CAP (Scott Safety 074-0345)	127.90	3.83
46 82 83 00-0634	EA	3000/5000 SERIES SENSOR ENDCAP (Scott Safety 074-0357)	163.60	4.91
46 82 83 00-0635	EA	5000 ROCK SOLID ENDCAP (Scott Safety 074-0389)	148.72	4.46
46 82 83 00-0636	EA	5000 SST ENDCAP (Scott Safety 074-0390)	163.60	4.91
46 82 83 00-0637	EA	5000 ROCK SOLID SST ENDCAP (Scott Safety 074-0391)	163.60	4.91
46 82 83 00-0638	EA	5600 ENCLOSURE MOUNTING BLOCK (Scott Safety 074-0420)	35.70	1.07
46 82 83 00-0639	EA	CAL ADAPTER COMBUSTIBLE HEADS (Scott Safety 074-0508)	95.18	2.85
46 82 83 00-0640	EA	REMOTE TEST ADAPTER (Scott Safety 074-0511)	232.00	6.96
46 82 83 00-0641	EA	SPLASH GUARD DETECTOR HEAD (Scott Safety 074-0515)	35.70	1.07
46 82 83 00-0642	EA	F6K, RETENTION SLEEVE, IR SNSR (Scott Safety 074-0525)	29.75	0.89
46 82 83 00-0643	EA	IS TERMINAL COVER (Scott Safety 074-0528-01)	8.92	0.26
46 82 83 00-0644	EA	M/F STANDOFF, #8-32 X .625 LG. (Scott Safety 076-0059)	10.11	0.30
46 82 83 00-0645	EA	BANANA PLUGS (Scott Safety 076-0066)	12.78	0.39
46 82 83 00-0646	EA	SET SCREW 4-40 X 1/8,FLAT PT. (Scott Safety 076-0077)	13.09	0.40
46 82 83 00-0647	EA	HINGE SET FOR 5300 ENCLOSURE (Scott Safety 076-0080)	77.33	2.32
46 82 83 00-0648	EA	HEX STANDOFF,#4-40X1-5/8"(M-F) (Scott Safety 076-0101-02)	101.13	3.03
46 82 83 00-0649	EA	FREEDOM 6000 ADAPTER BD SCREW (Scott Safety 076-0204)	3.27	0.10
46 82 83 00-0650	EA	PIPE MTG.BKT.JBOX MERIDIAN (Scott Safety 076-0376)	118.98	3.57
46 82 83 00-0651	EA	PIPE MTG.BKT.ENCL.MERIDIAN (Scott Safety 076-0377)	148.72	4.46
46 82 83 00-0652	EA	REGULATOR FIX FLOW 0.5LPM (Scott Safety 077-0018)	446.17	13.37
46 82 83 00-0653	EA	GAS BOTTLE - ZERO AIR (Scott Safety 077-0019)	452.13	13.55
46 82 83 00-0654	EA	GAS BOTTLE - SO2 (Scott Safety 077-0020)	651.41	19.53
46 82 83 00-0655	EA	TYGON TUBING 3/16" I.D. (Scott Safety 077-0021)	8.92	0.26
46 82 83 00-0656	EA	GAS BOTTLE CARRYING CASE (Scott Safety 077-0023)	214.17	6.42
46 82 83 00-0657	EA	H2S/air 8AL (58 liters) 25 ppm (Scott Safety 077-0025)	624.64	18.73
46 82 83 00-0658	EA	H2 GAS BOTTLE (Scott Safety 077-0036)	452.13	13.55
46 82 83 00-0659	EA	METHANE GAS BOTTLE (Scott Safety 077-0037)	719.83	21.58
46 82 83 00-0660	EA	OXYGEN GAS BOTTLE 16% (Scott Safety 077-0039)	574.06	17.21
46 82 83 00-0661	EA	NITROGEN GAS BOTTLE (Scott Safety 077-0040)	452.13	13.55
46 82 83 00-0662	EA	BUTANE GAS BOTTLE (Scott Safety 077-0041)	574.06	17.21
46 82 83 00-0663	EA	SO2 CALIBRATION GAS (9PPM/AIR) (Scott Safety 077-0050)	651.41	19.53
46 82 83 00-0664	EA	H2S GAS BOTTLE,10 PPM, BAL AIR (Scott Safety 077-0056)	719.83	21.58
46 82 83 00-0665	EA	POCKET SCREWDRIVER W/ MAGNET (Scott Safety 077-0120)	26.17	0.78
46 82 83 00-0666	EA	HCL/N2 10 PPM GAS CYL. +/-10% (Scott Safety 077-0124)	1,365.28	40.93
46 82 83 00-0667	EA	NH3/O2 0-50 PPM GAS CYL. +/-5% (Scott Safety 077-0125)	1,365.28	40.93
46 82 83 00-0668	EA	THERMOCOUPLE TYPE K .062 OD (Scott Safety 077-0133)	288.53	8.65
46 82 83 00-0669	EA	120 Volt, 240 Watt, Cable heater Without Hose (Scott Safety 077-0135)	684.13	20.51
46 82 83 00-0670	EA	HEATER SHROUD CERAMIC ENDCAP (Scott Safety 077-0138)	71.38	2.14
46 82 83 00-0671	EA	FIXED SETPOINT TEMP CONTROLLER (Scott Safety 077-0139)	681.14	20.42
46 82 83 00-0672	EA	120 Volt AC STROBE LIGHT (RED) (Scott Safety 077-0143)	812.03	24.33
46 82 83 00-0673	EA	CL2/N2 0-2 PPM GAS CYLINDER (Scott Safety 077-0151)	1,365.28	40.93
46 82 83 00-0674	EA	CL2/N2 0-5 PPM GAS CYLINDER (Scott Safety 077-0152)	1,365.28	40.93
46 82 83 00-0675	EA	HCL/N2 20 PPM GAS CYLINDER (Scott Safety 077-0153)	1,365.28	40.93
46 82 83 00-0676	EA	4600-IR LAMP EXTRACTION TOOL (Scott Safety 077-0161)	41.63	1.25
46 82 83 00-0677	EA	4688-IR POREX FILTER MAIN SNSR (Scott Safety 077-0166)	29.75	0.89
46 82 83 00-0678	EA	4688-IR RAINSHLD POREX FILTER (Scott Safety 077-0167)	38.66	1.16
46 82 83 00-0679	EA	4688IR LAMP REPL ALLEN KEY (Scott Safety 077-0183)	6.56	0.19
46 82 83 00-0680	EA	0-100 PPM H2S/AIR GAS CYL 58L (Scott Safety 077-0186)	719.83	21.58
46 82 83 00-0681	EA	GAS CYL 10 PPM CO/AIR SIZE 6D (Scott Safety 077-0188)	719.83	21.58
46 82 83 00-0682	EA	CO2 CYLINDER-1% (Scott Safety 077-0191)	651.41	19.53
46 82 83 00-0683	EA	HCL/N2 5 PPM GAS CYLINDER(8AL) (Scott Safety 077-0202)	1,365.28	40.93
46 82 83 00-0684	EA	NO/N2, 0-20 PPM GAS CYLINDER (Scott Safety 077-0203)	1,365.28	40.93
46 82 83 00-0685	EA	NO2/N2, 0-5 PPM GAS CYLINDER (Scott Safety 077-0204)	1,365.28	40.93
46 82 83 00-0686	EA	HCN/N2, 0-10 PPM GAS CYLINDER (Scott Safety 077-0205)	1,243.32	37.27
46 82 83 00-0687	EA	H2S/AIR 0-50 PPM GAS CYLINDER (Scott Safety 077-0206)	651.41	19.53
46 82 83 00-0688	EA	NH3/N2 300 PPM GAS CYLINDER (Scott Safety 077-0207)	1,365.28	40.93
46 82 83 00-0689	EA	CL2/N2, 10 PPM GAS CYLINDER (Scott Safety 077-0208)	1,243.32	37.27
46 82 83 00-0690	EA	RAINSHIELD OUTER FILTER(POREX) (Scott Safety 077-0209)	29.75	0.89
46 82 83 00-0691	EA	RNSHLD. FILTER MEMBRANE(POREX) (Scott Safety 077-0210)	19.63	0.59
46 82 83 00-0692	EA	FILTER MEMBRANE W/HOLE (Scott Safety 077-0210-1)	26.17	0.78
46 82 83 00-0693	EA	NH3/N2 25 PPM GAS CYLINDER (Scott Safety 077-0215)	1,365.28	40.93
46 82 83 00-0694	EA	CL2/N2 50 PPM GAS CYLINDER (Scott Safety 077-0217)	1,365.28	40.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0695	EA	HCL/N2 40 PPM GAS CYLINDER (Scott Safety 077-0218)	1,365.28	40.93
46 82 83 00-0696	EA	CL2/N2 20 PPM GAS CYLINDER (Scott Safety 077-0219)	1,365.28	40.93
46 82 83 00-0697	EA	SO2/N2 5 PPM GAS CYLINDER (Scott Safety 077-0220)	1,365.28	40.93
46 82 83 00-0698	EA	SAMPLE DRAW ASPIRATOR (Scott Safety 077-0222)	719.83	21.58
46 82 83 00-0699	EA	CO/AIR 500 PPM GAS CYLINDER-6D (Scott Safety 077-0230)	651.41	19.53
46 82 83 00-0700	EA	0.9% PROPANE/AIR GAS CYL., 6D (Scott Safety 077-0241)	574.06	17.21
46 82 83 00-0701	EA	0.3% HEXANE/AIR GAS CYL., 6D (Scott Safety 077-0242)	523.51	15.70
46 82 83 00-0702	EA	0.5% PROPYLENE/AIR GAS CYL.,6D (Scott Safety 077-0244)	574.06	17.21
46 82 83 00-0703	EA	ACETYLENE/AIR,1.25% GAS CYL,6D (Scott Safety 077-0245)	574.06	17.21
46 82 83 00-0704	EA	CO/AIR 100 PPM GAS CYLINDER,6D (Scott Safety 077-0246)	719.83	21.58
46 82 83 00-0705	EA	CO/AIR 250 PPM GAS CYLINDER,6D (Scott Safety 077-0247)	651.41	19.53
46 82 83 00-0706	EA	1% PROPANE GAS CYL.(227 LTRS.) (Scott Safety 077-0249)	597.88	17.92
46 82 83 00-0707	EA	1% HYDROGEN GAS CYL.(212 LTRS) (Scott Safety 077-0250)	597.88	17.92
46 82 83 00-0708	EA	0.5% PROPANE GAS CYL.(212 LTRS) (Scott Safety 077-0251)	597.88	17.92
46 82 83 00-0709	EA	1.5% METHANE GAS CYL(212 LTRS) (Scott Safety 077-0252)	597.88	17.92
46 82 83 00-0710	EA	REGULATOR, FIX FLOW 1.0 LPM (Scott Safety 077-0254)	446.17	13.37
46 82 83 00-0711	EA	CO/AIR 25 PPM GAS CYLINDER, 6D (Scott Safety 077-0255)	719.83	21.58
46 82 83 00-0712	EA	0077-126PANE/BAL AIR CYL.,103L (Scott Safety 077-0264)	574.06	17.21
46 82 83 00-0713	EA	H2S Gas Cylinder - 2AL 25 PPM (Scott Safety 077-0272)	404.53	12.12
46 82 83 00-0714	EA	02 18.5% GAS CYLINDER, 7HP-34L (Scott Safety 077-0274)	252.83	7.58
46 82 83 00-0715	EA	SO2 GAS CYLINDER-10PPM,2AL-34L (Scott Safety 077-0276)	487.80	14.62
46 82 83 00-0716	EA	NH3 GAS CYLINDER-25PPM 2AL-34L (Scott Safety 077-0277)	737.67	22.12
46 82 83 00-0717	EA	HCN GAS CYLINDER-10PPM 2AL-34L (Scott Safety 077-0278)	1,142.20	34.24
46 82 83 00-0718	EA	CL2 GAS CYLINDER-5 PPM 2AL-34L (Scott Safety 077-0279)	812.03	24.33
46 82 83 00-0719	EA	NO2 GAS CYLINDER-5 PPM,2AL-34L (Scott Safety 077-0280)	737.67	22.12
46 82 83 00-0720	EA	FILTER CUP, SAMPLE PROBE (Scott Safety 077-0292)	32.72	0.98
46 82 83 00-0721	EA	HEX-NUT COMPRESSION FITTING (Scott Safety 077-0294)	23.20	0.69
46 82 83 00-0722	EA	INTERCHANGEABLE PROBE TUBE (Scott Safety 077-0295)	32.72	0.98
46 82 83 00-0723	EA	COMPRESSION SLEEVE, PROBE (Scott Safety 077-0296)	6.56	0.19
46 82 83 00-0724	EA	O-RING, SAMPLE PROBE (Scott Safety 077-0297)	6.56	0.19
46 82 83 00-0725	EA	FLOW SWITCH, SPDT (Scott Safety 077-0304)	1,870.94	56.08
46 82 83 00-0726	EA	THERMAL SWITCH,N.O. W/6" LEADS (Scott Safety 077-0324)	65.44	1.96
46 82 83 00-0727	EA	DEMAND FLOW REGULATOR,2AL TYPE (Scott Safety 077-0342)	1,222.52	36.65
46 82 83 00-0728	EA	DEMAND FLOW REGULATOR,7HP TYPE (Scott Safety 077-0343)	1,222.52	36.65
46 82 83 00-0729	EA	NO GAS CYL.-30 PPM, 2AL-34L (Scott Safety 077-0346)	737.67	22.12
46 82 83 00-0730	EA	METHANE/O2/H2S GAS CYL. 34L (Scott Safety 077-0355)	737.67	22.12
46 82 83 00-0731	EA	METHANE/BAL. AIR CYL. 34L 2AL (Scott Safety 077-0357)	166.58	5.00
46 82 83 00-0732	EA	METHANE/BAL. AIR GAS CYL. 103L (Scott Safety 077-0358)	416.42	12.49
46 82 83 00-0733	EA	ETO GAS CYLINDER-5 PPM,8AL/58L (Scott Safety 077-0377)	1,225.49	36.73
46 82 83 00-0734	EA	Ethylene Oxide/N2 bal - 8AL 10 PPM (Scott Safety 077-0378)	892.34	26.75
46 82 83 00-0735	EA	1/16" HEX KEY (Scott Safety 077-0461)	6.56	0.19
46 82 83 00-0736	EA	CYL,CARBON MONOXIDE,250PPM 17L (Scott Safety 077-1224)	181.45	5.44
46 82 83 00-0737	EA	CYL,HYDROGEN, 2% (50% LEL) 17L (Scott Safety 077-1228)	130.87	3.92
46 82 83 00-0738	EA	CYL, METHANE/AIR, 1.10% 17L (Scott Safety 077-1229)	142.77	4.28
46 82 83 00-0739	EA	CYL, METHANE/AIR, 2.20% 17L (Scott Safety 077-1230)	142.77	4.28
46 82 83 00-0740	EA	CYL, METHANE/AIR 2.50% 17L (Scott Safety 077-1231)	130.87	3.92
46 82 83 00-0741	EA	CYL,NITROGEN, 100% 7EOC/17L (Scott Safety 077-1232)	142.77	4.28
46 82 83 00-0742	EA	CYL,OXYGEN/BAL N2,5% 7EOC/17L (Scott Safety 077-1233)	166.58	5.00
46 82 83 00-0743	EA	CYL,OXYGEN/BAL N2,20.90% 17L (Scott Safety 077-1234)	142.77	4.28
46 82 83 00-0744	EA	CYL,PROPANE/AIR,0.30%,7EOC/17L (Scott Safety 077-1235)	130.87	3.92
46 82 83 00-0745	EA	CYL,PROPANE/AIR,0.44%,7EOC/17L (Scott Safety 077-1236)	130.87	3.92
46 82 83 00-0746	EA	CYL,PROPANE/AIR,1.00% 7EOC/17L (Scott Safety 077-1237)	142.77	4.28
46 82 83 00-0747	EA	REGULATOR, 0.5LPM (MODEL 713) (Scott Safety 077-1238)	446.17	13.37
46 82 83 00-0748	EA	PH3 GAS CYLINDER,1 PPM 2AL-34L (Scott Safety 077-1239)	737.67	22.12
46 82 83 00-0749	EA	PH3 GAS CYLINDER-500PPB 2AL-34 (Scott Safety 077-1240)	1,076.76	32.27
46 82 83 00-0750	EA	PH3 GAS CYLINDER-500PPB 8AL-58 (Scott Safety 077-1241)	1,618.11	48.50
46 82 83 00-0751	EA	0.55% C3H8/50PPM CO/AIR,103L/6D (Scott Safety 077-1262)	645.46	19.35
46 82 83 00-0752	EA	0.55% C3H8/25PPM H2S/AIR, 58L (Scott Safety 077-1263)	972.66	29.15
46 82 83 00-0753	EA	0.55% C3H8/50PPM CO/AIR CYL,34L (Scott Safety 077-1265)	288.53	8.65
46 82 83 00-0754	EA	0.55%C3H8/25PPM H2S/AIR CYL,34L (Scott Safety 077-1266)	737.67	22.12
46 82 83 00-0755	EA	0.55% PROPANE/BAL AIR CYL.,34L (Scott Safety 077-1267)	261.75	7.84
46 82 83 00-0756	EA	REGULATOR, .5 LPM (MODEL 702) (Scott Safety 077-1268)	246.87	7.40
46 82 83 00-0757	EA	REGULATOR, .5 LPM (MODEL 705) (Scott Safety 077-1271)	324.22	9.72
46 82 83 00-0758	EA	TOOL KIT (Scott Safety 077-1308)	83.28	2.49
46 82 83 00-0759	EA	LAMP CLEANING KIT (Scott Safety 077-1309)	124.94	3.75
46 82 83 00-0760	EA	CALIBRATION KIT (Scott Safety 077-1311)	104.11	3.12
46 82 83 00-0761	EA	PUMP, SINGLE HEAD, DIA-VAC (Scott Safety 077-1316)	1,198.70	35.94
46 82 83 00-0762	EA	10 PPM ISOBUTYLENE/BAL AIR,6D (Scott Safety 077-1338)	606.79	18.19
46 82 83 00-0763	EA	SIH4/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1349)	4,610.43	138.20
46 82 83 00-0764	EA	PH3/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1350)	4,610.43	138.20
46 82 83 00-0765	EA	2.5% CO2/AIR, 103L, GAS CYL (Scott Safety 077-1375)	490.78	14.71
46 82 83 00-0766	EA	FITTING,10-32QD,RT ANG,1/8TUBE (Scott Safety 077-1385)	29.75	0.89
46 82 83 00-0767	EA	FITTING,10-32QD,RT ANG,1/4TUBE (Scott Safety 077-1386)	342.07	10.25
46 82 83 00-0768	EA	REDUCER 3/4 NPT TO 20 mm (Scott Safety 077-1402)	121.96	3.66
46 82 83 00-0769	EA	STOPPING PLUG 20mm (Scott Safety 077-1404)	83.28	2.49
46 82 83 00-0770	EA	LOW FLOW REGULATOR (Scott Safety 077-1416)	446.17	13.37
46 82 83 00-0771	EA	PIEZO-A-LERT HORN (Scott Safety 086-0004)	65.44	1.96
46 82 83 00-0772	EA	Acetylene - 6D 1.25% (50% LEL) Tygon Non-Reactive (096-3500or 096-3502) (Scott Safety 077-0245)	521.88	15.65
46 82 83 00-0773	EA	Butane - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0041)	521.88	15.65
46 82 83 00-0774	EA	Carbon Dioxide [N2 Bal] - 6D 1% Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0191)	592.20	17.75
46 82 83 00-0775	EA	Carbon Monoxide - 6D 10 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0188)	654.38	19.61
46 82 83 00-0776	EA	Carbon Monoxide - 6D 100 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0246)	654.38	19.61
46 82 83 00-0777	EA	Carbon Monoxide - 6D 25 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0255)	654.38	19.61

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46 82 83 00-0778	EA	Carbon Monoxide - 6D 250 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0247)	592.20	17.75
46 82 83 00-0779	EA	Carbon Monoxide - 6D 500 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0230)	592.20	17.75
46 82 83 00-0780	EA	Hydrogen - 6D 2% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0036)	473.21	14.18
46 82 83 00-0781	EA	Methane - 6D 2.5% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0037)	662.50	19.85
46 82 83 00-0782	EA	Methane - 6D 1.62 % (32% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0358)	419.13	12.56
46 82 83 00-0783	EA	O2/Propane Mixture - 6D 25% LEL Propane Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0264)	565.14	16.94
46 82 83 00-0784	EA	Nitrogen - 6D 100% Tygon Non-Reactive (096-3500) (Scott Safety 077-0040)	484.03	14.51
46 82 83 00-0785	EA	Oxygen [N2 Bal] - 6D 16% Tygon Non-Reactive (096-3500) (Scott Safety 077-0039)	592.20	17.75
46 82 83 00-0786	EA	Propane - 6D 0.9% (44% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0241)	619.24	18.56
46 82 83 00-0787	EA	Propylene - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0244)	619.24	18.56
46 82 83 00-0788	EA	Zero air - 6D 20.9% 02 in N2 Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0019)	478.62	14.35
46 82 83 00-0789	EA	4600 GAS PLUS XMTR MANUAL (Scott Safety 087-0005)	89.48	
46 82 83 00-0790	EA	4688IR COMB. GAS XMTR MANUAL (Scott Safety 087-0007)	92.26	
46 82 83 00-0791	EA	4600 MODBUS GAS XMTR. MANUAL (Scott Safety 087-0014)	67.10	
46 82 83 00-0792	EA	INSTRUCTION MAN., SENTINEL VI (Scott Safety 087-0018)	89.48	
46 82 83 00-0793	EA	5000 Operation And Maintenance Manual (Scott Safety 087-0020)	92.26	
46 82 83 00-0794	EA	MANUAL,7800-16 CHAN CONTROLLER (Scott Safety 087-0021)	83.88	
46 82 83 00-0795	EA	7400 QUAD SCAN II Operation And Maintenance Manual (Scott Safety 087-0023)	33.56	
46 82 83 00-0796	EA	FREEDOM 5600 Operation And Maintenance Manual (Scott Safety 087-0024)	86.68	
46 82 83 00-0797	EA	MODEL 7200 Operation And Maintenance Manual (Scott Safety 087-0026)	50.32	
46 82 83 00-0798	EA	6000 TOXIC COMBUSTIBLE MANUAL (Scott Safety 087-0044)	30.76	
46 82 83 00-0799	EA	50W, 40 OHM, ALUM POWER RESIS (Scott Safety 090-0088)	54.99	0.93
46 82 83 00-0800	EA	4600 ELASTOMER CONNECTOR ASSEMBLY (Scott Safety 093-0097)	109.99	1.87
46 82 83 00-0801	EA	MICROGASS SYSTEM WITH HEAT SAMPLE LINE (Scott Safety 093-0102-1)	25,007.59	424.43
46 82 83 00-0802	EA	DISPLAY BOARD ASSEMBLY (Scott Safety 093-0213)	6,541.33	111.03
46 82 83 00-0803	EA	ANALOG INPUT BOARD (Scott Safety 093-0214)	1,085.40	18.42
46 82 83 00-0804	EA	ANALOG OUTPUT BOARD (Scott Safety 093-0215)	1,140.39	19.35
46 82 83 00-0805	EA	I/O CONTROLLER ASSEMBLY (Scott Safety 093-0216)	2,497.86	42.40
46 82 83 00-0806	EA	6 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0217)	1,166.43	19.80
46 82 83 00-0807	EA	BOARD INTERCONNECT CABLE (Scott Safety 093-0220)	86.83	1.47
46 82 83 00-0808	EA	AUXILIARY BOARD ASSEMBLY (Scott Safety 093-0222)	419.68	7.12
46 82 83 00-0809	EA	MAIN I/O CONTROLLER P.C.B.A. (Scott Safety 093-0243)	2,497.86	42.40
46 82 83 00-0810	EA	SENTINEL 16 DISPLAY BOARD ASSY (Scott Safety 093-0267)	8,770.03	148.85
46 82 83 00-0811	EA	8 CHANNEL ANALOG INPUT BOARD (Scott Safety 093-0268)	1,499.29	25.45
46 82 83 00-0812	EA	8 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0269)	1,499.29	25.45
46 82 83 00-0813	EA	8 CHANNEL 4-20MA OUTPUT BOARD (Scott Safety 093-0270)	1,499.29	25.45
46 82 83 00-0814	EA	DIR CATBEAD/4-20MA IN BASE BRD (Scott Safety 093-0271)	1,832.14	31.10
46 82 83 00-0815	EA	PC BASED GRAPHIC MMI SOFTWARE (Scott Safety 093-0275)	11,027.66	187.16
46 82 83 00-0816	EA	RS485 TO RS232 CONVERTER (Scott Safety 093-0276)	1,612.18	27.36
46 82 83 00-0817	EA	NEMA 4X EXPANSION ENCLOSURE (Scott Safety 093-0277)	1,574.55	26.72
46 82 83 00-0818	EA	SENSOR, H2S REPLACEMENT (NIC) (Scott Safety 093-0285)	1,050.65	17.83
46 82 83 00-0819	EA	SENSOR,O2 (REPLACES 0051-8072) (Scott Safety 093-0286)	662.81	11.25
46 82 83 00-0820	EA	I.S. ACTIVE BARRIER (Scott Safety 093-0291)	874.11	14.83
46 82 83 00-0821	EA	I.S. PASSIVE BARRIER (Scott Safety 093-0292)	1,371.94	23.29
46 82 83 00-0822	EA	DUAL CHANNEL CATBEAD MODULE (Scott Safety 093-0297)	584.67	9.93
46 82 83 00-0823	EA	PIEZO ELECTRIC BUZZER (90DB) (Scott Safety 093-0299)	790.16	13.41
46 82 83 00-0824	EA	4 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0306)	451.53	7.66
46 82 83 00-0825	EA	6 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0307)	636.77	10.81
46 82 83 00-0826	EA	SMART NIC LEL MODULE (Scott Safety 093-0309)	1,360.37	23.08
46 82 83 00-0827	EA	IC2 CABLE ASSY.,10 FT. LENGTH (Scott Safety 093-0312)	133.15	2.26
46 82 83 00-0828	EA	NIC 24 Volt LEL XMTR Without ENCLOSURE (Scott Safety 093-0313)	3,241.72	55.02
46 82 83 00-0829	EA	PRINTER INTERFACE OPT. BOARD (Scott Safety 093-0338)	1,467.46	24.90
46 82 83 00-0830	EA	10 Conductors, Ribbon Cable Assembly (Scott Safety 093-0339)	69.46	1.18
46 82 83 00-0831	EA	MEMBRANE FILTER,HI-FLOW,1/4NPT (Scott Safety 093-0359)	2,309.72	39.21
46 82 83 00-0832	EA	7200 PLUS Dual 4-20 input 4X (Scott Safety 093-0427)	4,225.82	71.73
46 82 83 00-0833	EA	7200PLUS W/DUAL CAT BEAD BD. (Scott Safety 093-0428)	4,544.20	77.12
46 82 83 00-0834	EA	7200PLUS DUAL 4-20 INPT NEMA 7 (Scott Safety 093-0429)	11,751.25	199.45
46 82 83 00-0835	EA	7200 PLUS DUAL CAT BEAD BOARD (Scott Safety 093-0430)	10,014.61	169.97
46 82 83 00-0836	EA	7200 PLUS IN NEMA 4X ENCLOSURE (Scott Safety 093-0431)	4,196.87	71.23
46 82 83 00-0837	EA	7200 PLUS N BOLT ON LID NEMA 7 (Scott Safety 093-0432)	6,251.90	106.11
46 82 83 00-0838	EA	DUAL CHANNEL 4-20mA INPUT (Scott Safety 093-0433)	301.02	5.11
46 82 83 00-0839	EA	DUAL COMB. CAT BD SEN. INPUT (Scott Safety 093-0434)	538.37	9.13
46 82 83 00-0840	EA	DISCRETE ALARM RELAY BOARD (Scott Safety 093-0435)	691.76	11.74
46 82 83 00-0841	EA	DUAL 4-20 mA OUTPUT (Scott Safety 093-0436)	581.78	9.88
46 82 83 00-0842	EA	MODBUS RTU ADDRESSABLE INTERFA (Scott Safety 093-0438)	752.54	12.77
46 82 83 00-0843	EA	100db PIEZO AUDIBLE ALARM (Scott Safety 093-0439)	434.16	7.37
46 82 83 00-0844	EA	DUAL LIGHT STACK (AMBER/RED) (Scott Safety 093-0440)	1,189.60	20.19
46 82 83 00-0845	EA	NEMA 4X ENCLOSURE (Scott Safety 093-0441)	541.27	9.18
46 82 83 00-0846	EA	NEMA 4X DOOR (Scott Safety 093-0442)	315.49	5.35
46 82 83 00-0847	EA	MAGNETIC WAND NEMA 7XP ENCLOSU (Scott Safety 093-0443)	37.62	0.64
46 82 83 00-0848	EA	MAGNETIC WAND NEMA 4 ENCLOSURE (Scott Safety 093-0444)	28.95	0.49
46 82 83 00-0849	EA	2 Amperes, Fuse (Scott Safety 093-0445)	31.84	0.54
46 82 83 00-0850	EA	MOTHER BOARD ASSEMBLY (Scott Safety 093-0446)	1,777.16	30.16
46 82 83 00-0851	EA	CD READOUT/MICROCONTROLLER (Scott Safety 093-0447)	1,800.32	30.56
46 82 83 00-0852	EA	FREEDOM PID EXTERNAL FILTERS (Scott Safety 093-0448)	289.43	4.92
46 82 83 00-0853	EA	NEMA 4X CATBEAD INPUT RELAYS (Scott Safety 093-0455)	9,059.46	153.76
46 82 83 00-0854	EA	NEMA 4X 4CHANNEL CATBEAD INPUT (Scott Safety 093-0456)	7,872.76	133.62
46 82 83 00-0855	EA	NEMA 4X 4-20ma INPUT RELAYS (Scott Safety 093-0457)	8,422.70	142.96
46 82 83 00-0856	EA	NEMA 4X 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0458)	7,785.94	132.15
46 82 83 00-0857	EA	NEMA 7 4 CHANNEL CATBEAD INPUT (Scott Safety 093-0459)	17,540.04	297.70
46 82 83 00-0858	EA	NEMA 7 DIRECT CATBEAD INPUT (Scott Safety 093-0460)	16,787.50	284.92
46 82 83 00-0859	EA	NEMA 7 4-20ma INPUT RELAYS (Scott Safety 093-0461)	16,932.22	287.38
46 82 83 00-0860	EA	NEMA 7 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0462)	16,324.40	277.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0861	EA	NEMA 4X 4 CHANNEL BASE UNIT (Scott Safety 093-0463)	6,657.11	112.99
46 82 83 00-0862	EA	NEMA 7 4 CHANNEL BASE UNIT (Scott Safety 093-0464)	15,890.24	269.69
46 82 83 00-0863	EA	QUAD QUAD CHANNEL 4-20ma INPUT (Scott Safety 093-0465)	500.73	8.50
46 82 83 00-0864	EA	QUAD CATBEAD SENSOR INPUT (Scott Safety 093-0466)	978.30	16.60
46 82 83 00-0865	EA	QUAD CHANNEL 4-20ma OUTPUT (Scott Safety 093-0467)	795.95	13.51
46 82 83 00-0866	EA	50 WATT NEMA 4X DIV2 P/S (Scott Safety 093-0468)	1,696.13	28.78
46 82 83 00-0867	EA	50 WATT NEMA 7 DIV 1 P/S (Scott Safety 093-0469)	1,968.19	33.41
46 82 83 00-0868	EA	6000 XMTR Without SENSOR HEAD (Scott Safety 093-0479)	2,370.51	40.23
46 82 83 00-0869	EA	6000 POWER I/O PCBA (Scott Safety 093-0498)	555.74	9.44
46 82 83 00-0870	EA	6000 DISPLAY ASSEMBLY (Scott Safety 093-0499)	1,701.90	28.88
46 82 83 00-0871	EA	6000 RAW PLUG IN SENSOR (Scott Safety 093-0500)	1,065.13	18.07
46 82 83 00-0872	EA	6000 DUCT MOUNT ASSY. FLAT (Scott Safety 093-0502)	911.74	15.47
46 82 83 00-0873	EA	6000 DISPLAY PCB ONLY (Scott Safety 093-0503)	2,115.81	35.90
46 82 83 00-0874	EA	6000 ALARM RELAYS /RS-485 OPT. (Scott Safety 093-0504)	761.22	12.92
46 82 83 00-0875	EA	6000 ISOLATED 4-20MA OUTPUT (Scott Safety 093-0505)	761.22	12.92
46 82 83 00-0876	EA	6000 SENSOR HEAD SPLASH GUARD (Scott Safety 093-0507)	136.05	2.31
46 82 83 00-0877	EA	FREEDOM 6000 RIBBON CABLE (Scott Safety 093-0513)	92.62	1.57
46 82 83 00-0878	EA	FREEDOM 6000 SENSOR (PROPANE) (Scott Safety 093-0515)	1,270.63	21.57
46 82 83 00-0879	EA	STROBE LIGHT, RED (Scott Safety 093-0518)	1,589.02	26.96
46 82 83 00-0880	EA	BATTERY, D CELL 3.6 V LITHIUM (Scott Safety 093-0519)	382.06	6.48
46 82 83 00-0881	EA	SENSOR, COMBUSTIBLE (Scott Safety 093-0524)	448.63	7.62
46 82 83 00-0882	EA	6000 STAINLESS STEEL ENCLOSURE (Scott Safety 093-0535)	908.83	15.42
46 82 83 00-0883	EA	SENSOR IR CO2 0-5% (Scott Safety 093-0536)	1,149.08	19.51
46 82 83 00-0884	EA	7400 PLUS DISPLAY BOARD (Scott Safety 093-0538)	1,910.31	32.42
46 82 83 00-0885	EA	METAL FILTER GAS ADAPTER (Scott Safety 093-0540)	350.23	5.94
46 82 83 00-0886	EA	TITL MOUNT FV40 (Scott Safety 093-0543)	396.54	6.74
46 82 83 00-0887	EA	FV40 AIR SHIELD ASSEMBLY (Scott Safety 093-0548)	2,170.80	36.84
46 82 83 00-0888	EA	FV40 LASER (POINTER) AIMER (Scott Safety 093-0549)	1,655.60	28.10
46 82 83 00-0889	EA	FV40 WEATHER PROTECTION ASSY. (Scott Safety 093-0552)	463.10	7.86
46 82 83 00-0890	EA	FV40 I3 W2 FM 3/4" 75C SS (Scott Safety 093-0556-10)	8,677.39	147.28
46 82 83 00-0891	EA	FV40 PROGRAMMER AND INTERFACE (Scott Safety 093-0565)	911.74	15.47
46 82 83 00-0892	EA	FV40 BRACKET ASSEMBLY 2" DIA. (Scott Safety 093-0566)	468.90	7.96
46 82 83 00-0893	EA	FV40 BRACKET ASSEMBLY 3" DIA. (Scott Safety 093-0567)	468.90	7.96
46 82 83 00-0894	EA	I/O PC BOARD (Scott Safety 093-0568)	2,295.25	38.95
46 82 83 00-0895	EA	SENTINEL 6 7600-2-3-1-1-1-1 (Scott Safety 093-0569)	13,169.51	223.52
46 82 83 00-0896	EA	Cover, Alum Encl, Meridian (Scott Safety 093-0603)	188.13	3.19
46 82 83 00-0897	EA	Cover, Stainless Encl, Meridia (Scott Safety 093-0604)	448.63	7.62
46 82 83 00-0898	EA	7200+,4X,4-20 IN,CSA (Scott Safety 093-0616)	3,849.55	65.34
46 82 83 00-0899	EA	7200+,4X,CATBEAD IN,CSA (Scott Safety 093-0617)	4,167.92	70.74
46 82 83 00-0900	EA	7400+,4X,CATBEAD IN,CSA (Scott Safety 093-0618)	8,162.21	138.53
46 82 83 00-0901	EA	7400+,4X,4-20 IN,CSA (Scott Safety 093-0619)	7,670.15	130.18
46 82 83 00-0902	EA	7200+,4X,4-20 IN,RELAY,PIEZO (Scott Safety 093-0620)	4,602.09	78.11
46 82 83 00-0903	EA	BATTERY BACKUP SYSTEM (Scott Safety 096-0719)	3,212.77	54.53
46 82 83 00-0904	EA	6800 POWER SUPPLY MODULE ASSY (Scott Safety 096-1275)	2,272.10	38.57
46 82 83 00-0905	EA	6800 CPU PC BOARD ASSEMBLY (Scott Safety 096-1284)	2,272.10	38.57
46 82 83 00-0906	EA	6800 POWER SUPPLY PC BD ASSY (Scott Safety 096-1285)	1,924.78	32.66
46 82 83 00-0907	EA	6800 REC. MODULE-DISPLAY PC BD (Scott Safety 096-1288)	1,154.87	19.60
46 82 83 00-0908	EA	SCREW-ON RAIN SHIELD/CAL ADAPT (Scott Safety 096-1621)	240.23	4.07
46 82 83 00-0909	EA	RELAY ALARM SYSTEM FINAL ASSY (Scott Safety 096-2123)	10,767.16	182.74
46 82 83 00-0910	EA	RELAY ALARM SYSTEM W/FAILSAFE (Scott Safety 096-2123FS)	12,127.52	205.84
46 82 83 00-0911	EA	RELAY ALARM SYSTEM FINAL ASSY. (Scott Safety 096-2123SS)	12,127.52	205.84
46 82 83 00-0912	EA	SERIES 7400 POWER SUPPLY PCBA (Scott Safety 096-2383)	2,026.07	34.39
46 82 83 00-0913	EA	SERIES 7400 CPU PCB ASSY. (Scott Safety 096-2384)	1,166.43	19.80
46 82 83 00-0914	EA	HCN FILTER FOR COCL2 SENSORS (Scott Safety 096-2386)	503.63	8.54
46 82 83 00-0915	EA	GENERIC GAS CAL KIT W/1LPM REG (Scott Safety 096-2393)	1,270.63	21.57
46 82 83 00-0916	EA	4600 25 PPM CO/AIR CAL. KIT (Scott Safety 096-2394)	1,890.04	32.08
46 82 83 00-0917	EA	4600 SST H2S TEST GEN ASSY. (Scott Safety 096-2409)	1,667.17	28.29
46 82 83 00-0918	EA	SENSOR F/A 4635 MMH 0-50 PPM (Scott Safety 096-2423-0050)	1,276.43	21.66
46 82 83 00-0919	EA	4600IR GAS TEST ASSEMBLY (Scott Safety 096-2449)	254.70	4.32
46 82 83 00-0920	EA	RS SCRW-ON RAIN SHLD/CAL ADAPT (Scott Safety 096-2469)	246.02	4.18
46 82 83 00-0921	EA	CABLE ASSY,4600/4600MB REMOTE (Scott Safety 096-2494)	411.01	6.98
46 82 83 00-0922	EA	DISPLAY BOARD ASSY. MODIFIED (Scott Safety 096-2497-1PYR)	700.45	11.89
46 82 83 00-0923	EA	Comb. Gas Cal Kit for 7HP Cyl. 0.5 LPM Female Reg. (Scott Safety 096-2506-4)	665.71	11.30
46 82 83 00-0924	EA	Q-NET TO NICII STD. UPGRADE (Scott Safety 096-2610-5)	3,531.16	59.93
46 82 83 00-0925	EA	Q-NET TO NIC II,W/RELAYS (Scott Safety 096-2611-1)	4,544.20	77.12
46 82 83 00-0926	EA	CABLE ASSY,DISPLAY TO P/S (Scott Safety 096-2613)	89.73	1.52
46 82 83 00-0927	EA	ASSY,3000/5000 WALL MTG PLATE (Scott Safety 096-2618)	104.21	1.77
46 82 83 00-0928	EA	1/4T FLOWCELL ASSY. (NORYL) (Scott Safety 096-2669)	341.53	5.80
46 82 83 00-0929	EA	COND. HUMIDITY ENDCAP ASSY (Scott Safety 096-2673)	260.49	4.42
46 82 83 00-0930	EA	DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2678)	1,386.41	23.53
46 82 83 00-0931	EA	POSITIVE FLOW DETECTOR ASSY. (Scott Safety 096-2679)	1,296.69	22.01
46 82 83 00-0932	EA	SERIES 7400 REMOTE RELAY PCBA (Scott Safety 096-2688)	1,250.39	21.22
46 82 83 00-0933	EA	SER 7400 REMOTE RELAY ASSEMBLY (Scott Safety 096-2691)	1,499.29	25.45
46 82 83 00-0934	EA	SNSR HOUSING ASSY(FOR CONDUIT) (Scott Safety 096-2706-1)	882.78	14.99
46 82 83 00-0935	EA	3/4" FLEX CONDUIT ASSY./3 FT. (Scott Safety 096-2707)	1,206.97	20.48
46 82 83 00-0936	EA	RAIN SHIELD BASE ASSEMBLY (Scott Safety 096-2709)	384.95	6.53
46 82 83 00-0937	EA	ENDCAP ASSY W/IPA FILTER (Scott Safety 096-2719)	746.75	12.68
46 82 83 00-0938	EA	HOSE DOWN ADAPTER BASE ASSY. (Scott Safety 096-2727)	379.17	6.44
46 82 83 00-0939	EA	7400/SAFESPACE ENCLOSURE DRILL (Scott Safety 096-2728)	384.95	6.53
46 82 83 00-0940	EA	SENSOR HOUSING ASSY. W/WINDOW (Scott Safety 096-2735-1)	654.14	11.10
46 82 83 00-0941	EA	SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2735-2)	995.67	16.90
46 82 83 00-0942	EA	SST SNSR HOUSING ASSY W/WINDOW (Scott Safety 096-2736-1)	1,189.60	20.19
46 82 83 00-0943	EA	STAINLESS STEEL SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2736-2)	2,393.67	40.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0944	EA	DISPLAY/OVERLAY ASY W/MAGNETIC (Scott Safety 096-2739)	662.81	11.25
46 82 83 00-0945	EA	DISPLAY/OVERLAY ASY W/P-BUTTON (Scott Safety 096-2739-1)	685.98	11.64
46 82 83 00-0946	EA	4888 H2 2% (50% LEL) CAL KIT (Scott Safety 096-2745)	1,826.36	31.00
46 82 83 00-0947	EA	PROPANE 0.9% (40.9%LEL)CAL KIT (Scott Safety 096-2746)	1,826.36	31.00
46 82 83 00-0948	EA	METHANE 2.5% (50% LEL) CAL KIT (Scott Safety 096-2747)	1,826.36	31.00
46 82 83 00-0949	EA	GENERIC CALIBRATION KIT (Scott Safety 096-2748)	804.64	13.65
46 82 83 00-0950	EA	H2S - Model 21 Low Methanol Sensitivity [25 PPM] (Scott Safety 096-2751-0025)	1,858.20	31.54
46 82 83 00-0951	EA	SENSOR F/A H2S-LM 0-50 PPM (Scott Safety 096-2751-0050)	1,858.20	31.54
46 82 83 00-0952	EA	SENSOR F/A H2S-LM 0-100 PPM (Scott Safety 096-2751-0100)	1,858.20	31.54
46 82 83 00-0953	EA	H2S - Model 21 Low Methanol Sensitivity [200 PPM] (Scott Safety 096-2751-0200)	1,858.20	31.54
46 82 83 00-0954	EA	SENSOR SIMULATOR ASSEMBLY (Scott Safety 096-2773)	709.13	12.04
46 82 83 00-0955	EA	STAINLESS STEEL TAG W/WIRE (Scott Safety 096-2776)	92.62	1.57
46 82 83 00-0956	EA	EXPLOSION-PROOF J-BOX ASSEMBLY (Scott Safety 096-2794)	685.98	11.64
46 82 83 00-0957	EA	10 Conductors, SST Remote Sensor, Cable Assembly (Scott Safety 096-2798)	327.06	5.56
46 82 83 00-0958	EA	8 Conductors, Remote Sensor Cable Assembly (Scott Safety 096-2799)	153.39	2.60
46 82 83 00-0959	EA	I/O BOARD ASSY. MOD/NIC II LEL (Scott Safety 096-2805)	1,247.49	21.17
46 82 83 00-0960	EA	REM SENSOR HSNG ASSY W/WINDOW (Scott Safety 096-2806-1)	720.70	12.23
46 82 83 00-0961	EA	REMOTE SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2806-2)	720.70	12.23
46 82 83 00-0962	EA	SENTINEL II ASSY 2 CH W/BATT (Scott Safety 096-2815-4)	4,399.48	74.67
46 82 83 00-0963	EA	7200 P/S PCB ASSY 1 CHANNEL (Scott Safety 096-2817-1)	1,172.23	19.89
46 82 83 00-0964	EA	7200 P/S PCB ASSY 2 CHANNEL (Scott Safety 096-2817-2)	1,748.21	29.67
46 82 83 00-0965	EA	7200 CPU PCB ASSEMBLY 2 CHANEL (Scott Safety 096-2818-2)	1,363.27	23.13
46 82 83 00-0966	EA	BATTERY BACK-UP CABLE ASSY (Scott Safety 096-2819)	164.99	2.80
46 82 83 00-0967	EA	7200 BATTERY BACK-UP ASSY (Scott Safety 096-2830)	439.95	7.47
46 82 83 00-0968	EA	CALIBRATION KIT, 5 PPM ETO (Scott Safety 096-2858)	2,162.12	36.70
46 82 83 00-0969	EA	CALIBRATION KIT, 10 PPM ETO (Scott Safety 096-2859)	2,162.12	36.70
46 82 83 00-0970	EA	4600 SENSOR HOUSING TEST UNIT (Scott Safety 096-2898)	292.34	4.96
46 82 83 00-0971	EA	4615 ETO SENSOR ASSY.,0-10 PPM (Scott Safety 096-2905-0010)	1,209.85	20.53
46 82 83 00-0972	EA	6V DETECTOR BODY ASSEMBLY (Scott Safety 096-2931)	963.82	16.36
46 82 83 00-0973	EA	6V DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2932)	1,953.71	33.16
46 82 83 00-0974	EA	6V SAMPLE DRAW ASSEMBLY (Scott Safety 096-2932-2)	2,952.29	50.11
46 82 83 00-0975	EA	POREX FILTER MEMBRANE REPL KIT (Scott Safety 096-2947)	185.24	3.14
46 82 83 00-0976	EA	Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-1)	4,457.37	75.65
46 82 83 00-0977	EA	Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-2)	4,746.80	80.57
46 82 83 00-0978	EA	VITON O-RING KIT (Scott Safety 096-3021)	54.99	0.93
46 82 83 00-0979	EA	LOW COST CAL KIT, 50 PPM CO (Scott Safety 096-3040)	541.27	9.18
46 82 83 00-0980	EA	LOW COST CAL KIT, 18.5% O2 (Scott Safety 096-3041)	923.31	15.67
46 82 83 00-0981	EA	LOW COST CAL KIT, 25 PPM H2S (Scott Safety 096-3042)	955.15	16.20
46 82 83 00-0982	EA	LOW COST CAL KIT, 1 PPM PH3 (Scott Safety 096-3043)	1,589.02	26.96
46 82 83 00-0983	EA	LOW COST CAL KIT, 5 PPM CL2 (Scott Safety 096-3047)	1,589.02	26.96
46 82 83 00-0984	EA	LOW COST CAL KIT, 25 PPM NH3 (Scott Safety 096-3048)	1,589.02	26.96
46 82 83 00-0985	EA	4888 NIC II 6V POISON RESIS (Scott Safety 096-3153)	4,833.65	82.04
46 82 83 00-0986	EA	ALARM SYS FINAL ASSY (Scott Safety 096-3179)	3,704.83	62.88
46 82 83 00-0987	EA	DRAW PANEL ASPIRATOR SS TUBING (Scott Safety 096-3194-1)	24,660.26	418.54
46 82 83 00-0988	EA	DRAW PANEL ASPIRATOR CU TUBING (Scott Safety 096-3195-1)	23,502.50	398.89
46 82 83 00-0989	EA	4600IR/4679CO2 VERS. P/S BOARD (Scott Safety 096-3196)	1,678.76	28.49
46 82 83 00-0990	EA	4600MB COND. HUMID. SNSR ASSY (Scott Safety 096-3197)	859.64	14.59
46 82 83 00-0991	EA	STD SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3198-2)	376.27	6.38
46 82 83 00-0992	EA	RS SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3199-2)	376.27	6.38
46 82 83 00-0993	EA	STD SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3200-2)	89.73	1.52
46 82 83 00-0994	EA	RS SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3201-2)	118.67	2.01
46 82 83 00-0995	EA	SINGLE POINT DRAW PANEL W/PUMP (Scott Safety 096-3210)	9,638.34	163.58
46 82 83 00-0996	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-1)	1,612.18	27.36
46 82 83 00-0997	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-2)	3,010.17	51.09
46 82 83 00-0998	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-3)	4,081.10	69.27
46 82 83 00-0999	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-4)	5,441.46	92.35
46 82 83 00-1000	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-5)	6,801.84	115.45
46 82 83 00-1001	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-6)	8,162.21	138.53
46 82 83 00-1002	EA	NIC II REPLACEMENT KIT (Scott Safety 096-3215)	3,473.28	58.95
46 82 83 00-1003	EA	4600 MODBUS LCD And CPU KIT (Scott Safety 096-3216)	2,098.44	35.62
46 82 83 00-1004	EA	DUAL PT FLW PL-COPPER,LESS XMT (Scott Safety 096-3217)	19,045.13	323.24
46 82 83 00-1005	EA	SNGLE PT SAMPLE DRAW CAB. S.S. (Scott Safety 096-3219-2)	38,929.64	660.73
46 82 83 00-1006	EA	GREY PVC FILTER CAGE ASS'Y (Scott Safety 096-3221)	162.10	2.75
46 82 83 00-1007	EA	100 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3235)	1,797.42	30.51
46 82 83 00-1008	EA	20 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3236)	1,797.42	30.51
46 82 83 00-1009	EA	CALIBRATION ADAPTER ASSEMBLY (Scott Safety 096-3242)	81.03	1.37
46 82 83 00-1010	EA	PROTEGE 4 GAS FINAL ASSEMBLY (Scott Safety 096-3264)	1,589.02	26.96
46 82 83 00-1011	EA	6000 COMBUSTIBLE HEAD ASSEMBLY (Scott Safety 096-3349)	477.56	8.11
46 82 83 00-1012	EA	CALIBRATION KIT (METHANE) (Scott Safety 096-3350)	1,826.36	31.00
46 82 83 00-1013	EA	FREEDOM 6000 ADAPTER BD ASSY. (Scott Safety 096-3354)	130.25	2.20
46 82 83 00-1014	EA	REMOTE TEST ADAPTER ASSEMBLY (Scott Safety 096-3355)	463.10	7.86
46 82 83 00-1015	EA	DETECTOR GUARD ASSEMBLY (Scott Safety 096-3363)	240.23	4.07
46 82 83 00-1016	EA	REPROGRAMMED ETHANE SENSOR (Scott Safety 096-3368-01)	1,560.08	26.48
46 82 83 00-1017	EA	REPROGRAMMED PROPYLENE SENSOR (Scott Safety 096-3368-02)	1,560.08	26.48
46 82 83 00-1018	EA	REPROGRAMMED METHANOL SENSOR (Scott Safety 096-3368-03)	1,560.08	26.48
46 82 83 00-1019	EA	REPROGRAMMED CYCLOHEXANE SENSO (Scott Safety 096-3368-04)	1,560.08	26.48
46 82 83 00-1020	EA	REPROGRAMMED ACETONE SENSOR (Scott Safety 096-3368-05)	1,560.08	26.48
46 82 83 00-1021	EA	REPROGRAMMED ETHYLENE SENSOR (Scott Safety 096-3368-06)	1,560.08	26.48
46 82 83 00-1022	EA	SENSOR BREAKOUT CAT/IR PCBA (Scott Safety 096-3369)	141.83	2.41
46 82 83 00-1023	EA	4500 O2 SENSOR ASSEMBLY (Scott Safety 096-3374)	1,325.63	22.50
46 82 83 00-1024	EA	ASSEMBLY, DETECTOR BODY (ATEX) (Scott Safety 096-3376)	1,021.72	17.34
46 82 83 00-1025	EA	F6K REMOTE SENSOR HOUSING ASSY (Scott Safety 096-3391)	654.14	11.10
46 82 83 00-1026	EA	NEXT GEN POWER SUPPLY PCBA (Scott Safety 096-3401)	636.77	10.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1027	EA	Terminal / Relay PCBA (Scott Safety 096-3404)	405.22	6.88
46 82 83 00-1028	EA	2 WIRE POWER SUPPLY BOARD ASSY (Scott Safety 096-3407)	332.86	5.65
46 82 83 00-1029	EA	HART Expansion Board Assembly (Scott Safety 096-3408)	578.88	9.82
46 82 83 00-1030	EA	ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-1)	868.31	14.74
46 82 83 00-1031	EA	ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-2)	868.31	14.74
46 82 83 00-1032	EA	ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-1)	57.88	0.99
46 82 83 00-1033	EA	ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-2)	289.43	4.92
46 82 83 00-1034	EA	ASSY,ADAPTER,CALIBRATION,NEX-G (Scott Safety 096-3438)	144.73	2.46
46 82 83 00-1035	EA	ASSY,ADAPTER,FLOW CELL,NEX-GEN (Scott Safety 096-3439)	159.19	2.70
46 82 83 00-1036	EA	ASSY,KIT,DUCT MOUNT ADAPTER (Scott Safety 096-3440)	298.12	5.06
46 82 83 00-1037	EA	ASSEMBLY, DELUGE GUARD (Scott Safety 096-3441)	217.08	3.69
46 82 83 00-1038	EA	DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-01)	795.95	13.51
46 82 83 00-1039	EA	DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-02)	1,302.49	22.11
46 82 83 00-1040	EA	BLIND DISPLAY ASSY MERIDIAN (Scott Safety 096-3447-03)	795.95	13.51
46 82 83 00-1041	EA	IS BARRIER PUCK (Scott Safety 096-3448)	347.33	5.89
46 82 83 00-1042	EA	2 WIRE IS BARRIER ASSEMBLY (Scott Safety 096-3449)	289.43	4.92
46 82 83 00-1043	EA	DISPLAY CABLE ASSEMBLY (Scott Safety 096-3456)	43.41	0.74
46 82 83 00-1044	EA	DETECTOR GUARD SEAL KIT (Scott Safety 096-3457)	196.82	3.34
46 82 83 00-1045	EA	ASSEMBLY, FLOW CELL, DETECTOR (Scott Safety 096-3464)	619.39	10.52
46 82 83 00-1046	EA	SENSOR, ASSEMBLY, NG CO (Scott Safety 096-3473-01)	1,157.76	19.65
46 82 83 00-1047	EA	SENSOR, ASSEMBLY, H2S-LM (Scott Safety 096-3473-02)	868.31	14.74
46 82 83 00-1048	EA	SENSOR, ASSEMBLY, NH3 (Scott Safety 096-3473-03)	1,157.76	19.65
46 82 83 00-1049	EA	SENSOR, ASSEMBLY, SO2 HRH (Scott Safety 096-3473-05)	1,044.88	17.74
46 82 83 00-1050	EA	SENSOR, ASSEMBLY, SIH4 (Scott Safety 096-3473-09)	1,736.64	29.47
46 82 83 00-1051	EA	SENSOR, ASSEMBLY, HCN (Scott Safety 096-3473-11)	1,085.40	18.42
46 82 83 00-1052	EA	SENSOR, ASSEMBLY, NG O2 (Scott Safety 096-3473-19)	868.31	14.74
46 82 83 00-1053	EA	SENSOR, ASSEMBLY, CL2 RS HRH (Scott Safety 096-3473-20)	1,157.76	19.65
46 82 83 00-1054	EA	SENSOR, ASSEMBLY, CL2 RS LRH (Scott Safety 096-3473-21)	1,157.76	19.65
46 82 83 00-1055	EA	SENSOR, ASSEMBLY, F2 RS HRH (Scott Safety 096-3473-22)	1,157.76	19.65
46 82 83 00-1056	EA	SENSOR, ASSEMBLY, F2 RS LRH (Scott Safety 096-3473-23)	1,157.76	19.65
46 82 83 00-1057	EA	SENSOR, ASSEMBLY, BR2 RS HRH (Scott Safety 096-3473-24)	1,157.76	19.65
46 82 83 00-1058	EA	SENSOR, ASSEMBLY, HCL RS HRH (Scott Safety 096-3473-25)	1,157.76	19.65
46 82 83 00-1059	EA	SENSOR, ASSEMBLY, HCL RS LRH (Scott Safety 096-3473-26)	1,157.76	19.65
46 82 83 00-1060	EA	SENSOR, ASSEMBLY, HF RS HRH (Scott Safety 096-3473-27)	1,157.76	19.65
46 82 83 00-1061	EA	SENSOR, ASSEMBLY, HF RS LRH (Scott Safety 096-3473-28)	1,157.76	19.65
46 82 83 00-1062	EA	SENSOR, ASSEMBLY, SO2 RS HRH (Scott Safety 096-3473-31)	1,157.76	19.65
46 82 83 00-1063	EA	SENSOR, ASSEMBLY, SO2 RS LRH (Scott Safety 096-3473-32)	1,157.76	19.65
46 82 83 00-1064	EA	SENSOR, ASSEMBLY, CLO2 RS HRH (Scott Safety 096-3473-37)	1,519.56	25.79
46 82 83 00-1065	EA	SENSOR, ASSEMBLY, CLO2 RS LRH (Scott Safety 096-3473-38)	1,519.56	25.79
46 82 83 00-1066	EA	SENSOR, ASSEMBLY, O3 RS HRH (Scott Safety 096-3473-39)	1,230.12	20.88
46 82 83 00-1067	EA	SENSOR, ASSEMBLY, NO2 (Scott Safety 096-3473-54)	969.62	16.46
46 82 83 00-1068	EA	SENSOR,ASSY,NG COMB CAT BEAD (Scott Safety 096-3473-55)	776.23	13.18
46 82 83 00-1069	EA	SENSOR, ASSEMBLY, NG COMB IR (Scott Safety 096-3473-56)	1,460.35	24.79
46 82 83 00-1070	EA	SENSOR, ASSEMBLY, NG CO2 IR (Scott Safety 096-3473-58)	1,434.04	24.34
46 82 83 00-1071	EA	JUNCTION BOX ASSEMBLY NEXT GEN (Scott Safety 096-3475)	448.63	7.62
46 82 83 00-1072	EA	JCT BOX ASSY MERIDIAN INMETRO (Scott Safety 096-3475-01)	448.63	7.62
46 82 83 00-1073	EA	AL,3/4 WIRE,4-20/MOD,STD,1 SEN (Scott Safety 096-3480-01)	3,039.11	51.58
46 82 83 00-1074	EA	SS,3/4 WIRE,4-20/MOD,STD 1 SEN (Scott Safety 096-3480-02)	3,733.77	63.37
46 82 83 00-1075	EA	AL,3-4 Wire,Heated,Plastic Ca (Scott Safety 096-3480-03)	3,473.28	58.95
46 82 83 00-1076	EA	SS,3/4 WIRE,4-20/MOD,HEAT,1SEN (Scott Safety 096-3480-04)	4,052.15	68.77
46 82 83 00-1077	EA	AL,3-4 Wire,Standard,SS End Ca (Scott Safety 096-3480-05)	3,212.77	54.53
46 82 83 00-1078	EA	SS,3-4 Wire,Standard,SS End Ca (Scott Safety 096-3480-06)	3,820.60	64.85
46 82 83 00-1079	EA	AL,3-4 Wire,Heated,SS End Cap (Scott Safety 096-3480-07)	3,675.89	62.39
46 82 83 00-1080	EA	SS, 3/4 WIRE, 4-20/Mod, HART, (Scott Safety 096-3480-08)	4,254.76	72.22
46 82 83 00-1081	EA	ASSEMBLY, CHAIN (Scott Safety 096-3482)	57.88	0.99
46 82 83 00-1082	EA	NPT TO NPT WIRE GLAND ASSEMBLY (Scott Safety 096-3483)	578.88	9.82
46 82 83 00-1083	EA	DET HEAD END CAP ASSY 3/4 WIRE (Scott Safety 096-3484-01)	926.21	15.72
46 82 83 00-1084	EA	DET HEAD END CAP ASSY 2 WIRE (Scott Safety 096-3484-02)	1,013.04	17.19
46 82 83 00-1085	EA	DET HEAD PLAS END CAP 2 WIRE (Scott Safety 096-3484-03)	926.21	15.72
46 82 83 00-1086	EA	DET HEAD SS END CAP 2 WIRE (Scott Safety 096-3484-04)	1,044.88	17.74
46 82 83 00-1087	EA	DET HEAD PLAS END CAP 3/4 WIRE (Scott Safety 096-3484-05)	926.21	15.72
46 82 83 00-1088	EA	DET HEAD SS END CAP 3/4 WIRE (Scott Safety 096-3484-06)	920.41	15.63
46 82 83 00-1089	EA	AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-01)	5,209.91	88.43
46 82 83 00-1090	EA	SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-02)	5,962.45	101.20
46 82 83 00-1091	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-03)	5,644.07	95.80
46 82 83 00-1092	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-04)	6,396.62	108.57
46 82 83 00-1093	EA	AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-05)	5,383.57	91.38
46 82 83 00-1094	EA	SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-06)	6,136.11	104.15
46 82 83 00-1095	EA	AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-07)	5,817.74	98.74
46 82 83 00-1096	EA	SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-08)	6,599.23	112.01
46 82 83 00-1097	EA	AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-09)	7,235.99	122.81
46 82 83 00-1098	EA	SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-10)	7,814.87	132.64
46 82 83 00-1099	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-11)	7,670.15	130.18
46 82 83 00-1100	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-12)	8,249.03	140.00
46 82 83 00-1101	EA	AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-13)	7,496.49	127.23
46 82 83 00-1102	EA	SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-14)	8,075.37	137.05
46 82 83 00-1103	EA	AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-15)	7,930.64	134.60
46 82 83 00-1104	EA	SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-16)	8,509.52	144.42
46 82 83 00-1105	EA	MERIDIAN CONNECTOR/JUMPER KIT (Scott Safety 096-3495)	159.19	2.70
46 82 83 00-1106	EA	MERIDIAN SCREW REPLACEMENT KIT (Scott Safety 096-3496)	15.91	0.27
46 82 83 00-1107	EA	MERIDIAN STANDOFF REPLACE KIT (Scott Safety 096-3497)	72.36	1.23
46 82 83 00-1108	EA	MERIDIAN O-RING REPLACE KIT (Scott Safety 096-3498)	34.74	0.59
46 82 83 00-1109	EA	CALIBRATION KIT, STANDARD (Scott Safety 096-3500)	911.74	15.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1110	EA	CALIBRATION KIT, REACTIVE GAS (Scott Safety 096-3501)	911.74	15.47
46 82 83 00-1111	EA	CALIBRATION KIT, HIGH FLOW (Scott Safety 096-3502)	911.74	15.47
46 82 83 00-1112	EA	SS JUNCTION BOX ASSEMBLY (Scott Safety 096-3520)	1,044.88	17.74
46 82 83 00-1113	EA	SS JUNCTION BOX ASSEMBLY INM (Scott Safety 096-3520-01)	1,044.88	17.74
46 82 83 00-1114	EA	SALES DISPLAY KIT (USA) (Scott Safety 096-3523-01)	14,471.98	245.62
46 82 83 00-1115	EA	SALES DISPLAY KIT (CANADA) (Scott Safety 096-3523-02)	14,471.98	245.62
46 82 83 00-1116	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-01)	2,604.96	44.22
46 82 83 00-1117	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-02)	3,270.68	55.51
46 82 83 00-1118	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-03)	2,918.07	49.53
46 82 83 00-1119	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-04)	3,565.36	60.51
46 82 83 00-1120	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-05)	2,604.96	44.22
46 82 83 00-1121	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-06)	3,270.68	55.51
46 82 83 00-1122	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-07)	2,772.82	47.06
46 82 83 00-1123	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-08)	3,444.34	58.46
46 82 83 00-1124	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-01)	3,617.99	61.41
46 82 83 00-1125	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-02)	3,704.83	62.88
46 82 83 00-1126	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-03)	4,196.87	71.23
46 82 83 00-1127	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-04)	4,399.48	74.67
46 82 83 00-1128	EA	AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-05)	3,328.56	56.49
46 82 83 00-1129	EA	AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-06)	3,531.16	59.93
46 82 83 00-1130	EA	SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-07)	3,907.44	66.31
46 82 83 00-1131	EA	SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-08)	4,110.04	69.76
46 82 83 00-1132	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3534-09)	4,052.15	68.77
46 82 83 00-1133	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-10)	4,138.99	70.24
46 82 83 00-1134	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3534-11)	4,631.04	78.61
46 82 83 00-1135	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-12)	4,717.87	80.07
46 82 83 00-1136	EA	AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-13)	3,328.56	56.49
46 82 83 00-1137	EA	AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-14)	3,415.38	57.97
46 82 83 00-1138	EA	SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-15)	3,907.44	66.31
46 82 83 00-1139	EA	SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-16)	4,110.04	69.76
46 82 83 00-1140	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-01)	5,788.79	98.25
46 82 83 00-1141	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-02)	6,367.67	108.08
46 82 83 00-1142	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-03)	6,222.95	105.62
46 82 83 00-1143	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-04)	6,801.84	115.45
46 82 83 00-1144	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-05)	5,962.45	101.20
46 82 83 00-1145	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-06)	6,743.94	114.46
46 82 83 00-1146	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-07)	6,396.62	108.57
46 82 83 00-1147	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-08)	7,178.11	121.84
46 82 83 00-1148	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-09)	7,814.87	132.64
46 82 83 00-1149	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-10)	8,393.75	142.46
46 82 83 00-1150	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-11)	8,249.03	140.00
46 82 83 00-1151	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-12)	8,827.91	149.84
46 82 83 00-1152	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-13)	8,075.37	137.05
46 82 83 00-1153	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-14)	8,654.25	146.88
46 82 83 00-1154	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-15)	8,509.52	144.42
46 82 83 00-1155	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-16)	9,088.40	154.25
46 82 83 00-1156	EA	GUARD, DETECTOR, 5.5V, F6000 (Scott Safety 096-3536)	240.23	4.07
46 82 83 00-1157	EA	A-FRAME SALES DISPLAY ONLY (Scott Safety 096-3541-00)	723.61	12.28
46 82 83 00-1158	EA	A-FRAME SALES DISPLAY ASSY USA (Scott Safety 096-3541-01)	3,878.49	65.83
46 82 83 00-1159	EA	A-FRAME SALES DISPLAY ASSY CAN (Scott Safety 096-3541-02)	4,023.21	68.28
46 82 83 00-1160	EA	IS TERMINAL BLOCK KIT (Scott Safety 096-3550)	43.41	0.74
46 82 83 00-1161	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-01)	2,604.96	44.22
46 82 83 00-1162	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-02)	3,270.68	55.51
46 82 83 00-1163	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-03)	2,772.82	47.06
46 82 83 00-1164	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-04)	3,357.50	56.99
46 82 83 00-1165	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-05)	2,604.96	44.22
46 82 83 00-1166	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-06)	3,270.68	55.51
46 82 83 00-1167	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-07)	2,772.82	47.06
46 82 83 00-1168	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-08)	3,415.38	57.97
46 82 83 00-1169	EA	AL, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-01)	3,039.11	51.58
46 82 83 00-1170	EA	SS, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-02)	3,733.77	63.37
46 82 83 00-1171	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-03)	3,473.28	58.95
46 82 83 00-1172	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-04)	4,052.15	68.77
46 82 83 00-1173	EA	AL, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-05)	3,212.77	54.53
46 82 83 00-1174	EA	SS, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-06)	3,820.60	64.85
46 82 83 00-1175	EA	AL, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-07)	3,675.89	62.39
46 82 83 00-1176	EA	SS, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-08)	4,254.76	72.22
46 82 83 00-1177	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-09)	3,617.99	61.41
46 82 83 00-1178	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-10)	4,196.87	71.23
46 82 83 00-1179	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3558-11)	4,052.15	68.77
46 82 83 00-1180	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3558-12)	4,631.04	78.61
46 82 83 00-1181	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-13)	3,704.83	62.88
46 82 83 00-1182	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-14)	4,399.48	74.67
46 82 83 00-1183	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-15)	4,138.99	70.24
46 82 83 00-1184	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-16)	4,862.59	82.53
46 82 83 00-1185	EA	REMOTE JUNCTION BOX ASSY AL (Scott Safety 096-3559-01)	332.86	5.65
46 82 83 00-1186	EA	REMOTE JUNCTION BOX ASSY SS (Scott Safety 096-3559-02)	1,013.04	17.19
46 82 83 00-1187	EA	INMETRO 2 WIRE AL INTEGRAL (Scott Safety 096-3563-01)	2,683.11	45.54
46 82 83 00-1188	EA	INMETRO 2 WIRE SS INTEGRAL (Scott Safety 096-3563-02)	3,270.68	55.51
46 82 83 00-1189	EA	INMETRO 3/4 WIRE AL INTEGRUL (Scott Safety 096-3564-01)	3,125.95	53.05
46 82 83 00-1190	EA	INMETRO 3/4 WIRE SS INTEGRUL (Scott Safety 096-3564-02)	3,733.77	63.37
46 82 83 00-1191	EA	INM 3/4 WIRE BLIND AL INTEGRUL (Scott Safety 096-3564-03)	2,859.66	48.53
46 82 83 00-1192	EA	INM 3/4 WIRE BLIND SS INTEGRUL (Scott Safety 096-3564-04)	3,473.28	58.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1193	EA	INMETRO 2 WIRE AL REMOTE HEAD (Scott Safety 096-3565-01)	2,683.11	45.54
46 82 83 00-1194	EA	INMETRO 2 WIRE SS REMOTE HEAD (Scott Safety 096-3565-02)	3,270.68	55.51
46 82 83 00-1195	EA	INMETRO 3-4 WIRE AL REMOTE (Scott Safety 096-3566-01)	3,039.11	51.58
46 82 83 00-1196	EA	INMETRO 3-4 WIRE SS REMOTE (Scott Safety 096-3566-02)	3,733.77	63.37
46 82 83 00-1197	EA	INM 3-4 WIRE BLIND AL REMOTE (Scott Safety 096-3566-03)	3,328.56	56.49
46 82 83 00-1198	EA	INM 3-4 WIRE BLIND SS REMOTE (Scott Safety 096-3566-04)	3,907.44	66.31
46 82 83 00-1199	EA	2 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3568-01)	5,209.91	88.43
46 82 83 00-1200	EA	2 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3568-02)	5,962.45	101.20
46 82 83 00-1201	EA	3 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3569-01)	7,235.99	122.81
46 82 83 00-1202	EA	3 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3569-02)	7,814.87	132.64
46 82 83 00-1203	EA	MERIDIAN HART CEC KIT (Scott Safety 096-3579-01)	578.88	9.82
46 82 83 00-1204	EA	7400 SOFTWARE CODE (2 CHANNEL) (Scott Safety 099-0008-2)	833.57	14.14
46 82 83 00-1205	EA	7400 SOFTWARE CODE (3 CHANNEL) (Scott Safety 099-0008-3)	833.57	14.14
46 82 83 00-1206	EA	7400 SOFTWARE CODE (4 CHANNEL) (Scott Safety 099-0008-4)	833.57	14.14
46 82 83 00-1207	EA	3-POINT FLOW PANEL FINAL ASSY. (Scott Safety 099-2001)	15,774.46	267.73
46 82 83 00-1208	EA	SWIVEL BALL JOINT MTG-ENGLISH (Scott Safety 2020-003)	523.89	8.89
46 82 83 00-1209	EA	EXT. RANGE SIMULATOR LENS (Scott Safety 2020-190)	2,104.23	35.71
46 82 83 00-1210	EA	IR SIMULATOR (Scott Safety 2020-310)	14,518.30	246.41
46 82 83 00-1211	EA	UV And UV/IR SIMULATOR (Scott Safety 2020-311)	13,612.33	231.03
46 82 83 00-1212	EA	SINGLE IR FIRE SIMULATOR (Scott Safety 2020-312)	13,189.77	223.86
46 82 83 00-1213	EA	MULTI IR FIRE SIMULATOR (Scott Safety 2020-313)	14,645.65	248.57
46 82 83 00-1214	EA	IR3 AIR SHIELD/PURGE (Scott Safety 2020-920)	871.21	14.78
46 82 83 00-1215	EA	UV And UV/IR AIR SHIELD/PURGE (Scott Safety 2020-930)	871.21	14.78
46 82 83 00-1216	EA	SOC SET SCREW,CUP PT,6X3/16,SS (Scott Safety 33351-017)	19.10	0.33
46 82 83 00-1217	EA	ZINC ELECTRODE,K (Scott Safety 3480-6200)	83.92	1.42
46 82 83 00-1218	EA	2.5%NATURAL GAS CYLINDER(HM) (Scott Safety 40000035)	144.73	2.46
46 82 83 00-1219	EA	FLOW BLOCK FOR 40013029 (Scott Safety 40000922)	628.10	10.66
46 82 83 00-1220	EA	REGULATOR,AIR PRESSURE (Scott Safety 40001723)	1,221.44	20.73
46 82 83 00-1221	EA	AIR ASPIRATOR ASSEMBLY (S.S.) (Scott Safety 40002139)	963.82	16.36
46 82 83 00-1222	EA	NOZZLE, AIR ASPIRATOR, S.S. (Scott Safety 40002727)	153.39	2.60
46 82 83 00-1223	EA	BODY, AIR ASPIRATOR, S.S. (Scott Safety 40002728)	463.10	7.86
46 82 83 00-1224	EA	SPACER, STAINLESS STEEL (Scott Safety 40002729)	179.46	3.05
46 82 83 00-1225	EA	FLOW BLOCK, STAINLESS STEEL (Scott Safety 40006681)	920.41	15.63
46 82 83 00-1226	EA	MTG PLATE ASSM (Scott Safety 40007994)	318.39	5.40
46 82 83 00-1227	EA	MTG PLATE ASSM (Scott Safety 40007994-1)	327.06	5.56
46 82 83 00-1228	EA	TERMINAL STRIP, 4 POINT (Scott Safety 40008190)	63.68	1.08
46 82 83 00-1229	EA	GUARD, FILAMENT-DETECTOR (Scott Safety 40009041)	347.33	5.89
46 82 83 00-1230	EA	FLAME ARRESTOR (Scott Safety 40009042)	6.37	0.10
46 82 83 00-1231	EA	DETECTOR BODY ASSY (Scott Safety 40009065)	396.54	6.74
46 82 83 00-1232	EA	OUTER GUARD ASSY (Scott Safety 40009066)	315.49	5.35
46 82 83 00-1233	EA	L FLOW SWITCH (Scott Safety 40009259)	2,477.61	42.05
46 82 83 00-1234	EA	AIR ASPIRATOR (Scott Safety 40009261)	958.05	16.26
46 82 83 00-1235	EA	DETECTOR ASSY,POSITIVE FLOW (Scott Safety 40009263)	1,308.28	22.21
46 82 83 00-1236	EA	PACKING PREFORM (Scott Safety 40009264)	3.48	0.06
46 82 83 00-1237	EA	SET SCREW,HEX SCKT,S.S.,1/4-20 (Scott Safety 40009478)	31.84	0.54
46 82 83 00-1238	EA	FILTER ELEMENT (Scott Safety 40009560)	138.92	2.36
46 82 83 00-1239	EA	FILTER HOUSING ASSY (Scott Safety 40009566)	1,745.31	29.63
46 82 83 00-1240	EA	JUMPER, CLIP (Scott Safety 40009945)	6.37	0.10
46 82 83 00-1241	EA	SENSOR REPLACEMENT KIT (Scott Safety 40011528)	740.97	12.58
46 82 83 00-1242	EA	SENSOR, CONTINUOUS INSTRUMENT (Scott Safety 40011530)	706.23	11.99
46 82 83 00-1243	EA	DETECTOR ASSY (Scott Safety 40011600)	1,314.05	22.30
46 82 83 00-1244	EA	SENSOR REPLACEMENT KIT (Scott Safety 40011606)	735.17	12.48
46 82 83 00-1245	EA	DETECTOR ASSY (Scott Safety 40011630)	2,130.28	36.16
46 82 83 00-1246	EA	ASSEMBLY,DETECTOR-LESS SENSORS (Scott Safety 40011928)	807.53	13.71
46 82 83 00-1247	EA	SENSOR,REPLACEMENT-MATCHED SET (Scott Safety 40011929)	2,295.25	38.95
46 82 83 00-1248	EA	ASSEMBLY,ENCLOSURE/TERMINAL (Scott Safety 40012040)	633.87	10.76
46 82 83 00-1249	EA	ASSEMBLY,WEATHER SHIELD (Scott Safety 40012041)	263.39	4.47
46 82 83 00-1250	EA	SENSOR,REPLACEMENT (Scott Safety 40012111)	790.16	13.41
46 82 83 00-1251	EA	HOUSING,EXP.PRF.,MODIFIED (Scott Safety 40012473)	1,235.92	20.98
46 82 83 00-1252	EA	ASSY, DISTRIBUTION BOARD (Scott Safety 40012474)	350.23	5.94
46 82 83 00-1253	EA	FILAMENT-ACTIVE (Scott Safety 40012919)	434.16	7.37
46 82 83 00-1254	EA	ASSY,LOW FLOW SWITCH (Scott Safety 40013029)	1,484.82	25.21
46 82 83 00-1255	EA	FV282+ TRIPLE IR SS FM APPR. (Scott Safety 516.040.014)	7,233.10	122.76
46 82 83 00-1256	EA	FV311S FLAME DETECTOR (Scott Safety 516.300.006)	9,840.95	167.03
46 82 83 00-1257	EA	FV311SCN FLAME DETECTOR NTSC (Scott Safety 516.300.007)	11,288.14	191.58
46 82 83 00-1258	EA	FV311SC FLAME DETECTOR PAL (Scott Safety 516.300.008)	11,288.14	191.58
46 82 83 00-1259	EA	FV411F IR FLAME DETECTOR (Scott Safety 516.300.411)	6,778.68	115.05
46 82 83 00-1260	EA	FV411F IR FLAME DETECTOR PAL (Scott Safety 516.300.412)	7,380.72	125.27
46 82 83 00-1261	EA	FV411F IR FLAME DETECTOR NTSC (Scott Safety 516.300.413)	7,380.72	125.27
46 82 83 00-1262	EA	BRACKET ASSEMBLY (Scott Safety 517.001.184)	289.43	4.92
46 82 83 00-1263	EA	SOLO101 APT. TUBE (Scott Safety 517.001.224)	191.03	3.24
46 82 83 00-1264	EA	SOLO101 EXT. TUBE 1.3M LONG (Scott Safety 517.001.226)	254.70	4.32
46 82 83 00-1265	EA	SOLO100 TELESCOPIC EXT. POLE (Scott Safety 517.001.230)	955.15	16.20
46 82 83 00-1266	EA	WEATHER/SUN SHIELD (Scott Safety 517.001.263)	260.49	4.42
46 82 83 00-1267	EA	S200+ Spares Kit And Sealant (Scott Safety 517.001.266)	509.42	8.65
46 82 83 00-1268	EA	FLAME DETECTOR MTG. BRACKET (Scott Safety 517.300.001)	891.48	15.13
46 82 83 00-1269	EA	FLAME DETECTOR WEATHER HOOD (Scott Safety 517.300.002)	891.48	15.13
46 82 83 00-1270	EA	WT 300 Walk Test Controller (Scott Safety 517.300.021)	2,257.62	38.32
46 82 83 00-1271	EA	CTI300 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.022)	4,196.87	71.23
46 82 83 00-1272	EA	CTI400 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.024)	4,196.87	71.23
46 82 83 00-1273	EA	CTI400i IS TOOL KIT (Scott Safety 517.300.025)	2,894.40	49.12
46 82 83 00-1274	EA	CHARCOAL FILTERS 10/PK (Scott Safety 5500-7400)	176.56	3.00
46 82 83 00-1275	EA	T110 PP9 BATTERY AND CHARGER (Scott Safety 592.001.010)	350.23	5.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1276	EA	T210 ADAPTOR S200 (Scott Safety 592.001.014)	1,094.08	18.57
46 82 83 00-1277	EA	T210 PLUS TEST SOURCE FOR S200 (Scott Safety 592.001.016)	2,680.22	45.49
46 82 83 00-1278	EA	T210+ Adapter for FV400 Series Detector (Scott Safety 592.001.019)	1,094.08	18.57
46 82 83 00-1279	EA	WEATHERSHIELD SPECTREX FLAME (Scott Safety 780-981)	668.61	11.35
46 82 83 00-1280	EA	MODE SELECTOR (MAGNET) (Scott Safety 790285)	234.45	3.98
46 82 83 00-1281	EA	TELESCOPE ALIGNMENT KIT (Scott Safety 794110)	1,102.77	18.71
46 82 83 00-1282	EA	CALIBRATION TEST FILTER (IR) (Scott Safety 794260)	309.72	5.25
46 82 83 00-1283	EA	TILT MOUNTING ASSY(R/B 796640) (Scott Safety 794635)	1,047.78	17.78
46 82 83 00-1284	EA	DUCT MOUNT ADAPTOR (Scott Safety 794716)	1,505.09	25.54
46 82 83 00-1285	EA	CALIBRATION CELL (Scott Safety 796170)	4,312.65	73.19
46 82 83 00-1286	EA	COMMISSIONING KIT/DUCT MOUNTS (Scott Safety 796247)	1,288.01	21.86
46 82 83 00-1287	EA	TILT MOUNTING ASSEMBLY (Scott Safety 796640)	1,047.78	17.78
46 82 83 00-1288	EA	Tilt Mount (Scott Safety 8000447)	819.11	13.90
46 82 83 00-1289	EA	Pole Mount (U-Bolt 5 inch) (Scott Safety 8000448)	926.21	15.72
46 82 83 00-1290	EA	Commissioning Kit (Scott Safety 8000449)	3,215.68	54.58
46 82 83 00-1291	EA	RS485 Hand Held Diag Unit (Scott Safety 8000450)	29,204.47	495.67
46 82 83 00-1292	EA	HART Hand Held Diag Unit (Scott Safety 8000451)	43,850.11	744.24
46 82 83 00-1293	EA	HART Hand Held Harness (Scott Safety 8000452)	584.67	9.93
46 82 83 00-1294	EA	USB/RS485 Harness Kit (Scott Safety 8000453)	1,259.06	21.37
46 82 83 00-1295	EA	Mini Laptop Kit (Scott Safety 8000454)	5,817.74	98.74
46 82 83 00-1296	EA	SG Sunshade, Stainless (Scott Safety 8000455)	599.15	10.17
46 82 83 00-1297	EA	SG Telescope Kit (Scott Safety 8000456)	2,046.34	34.73
46 82 83 00-1298	EA	SG Chk Filter Warning Methane (Scott Safety 8000457)	338.66	5.75
46 82 83 00-1299	EA	SG Chk Filter Alarm Meth (Scott Safety 8000458)	338.66	5.75
46 82 83 00-1300	EA	SG Chk Filter Warn Prop (Scott Safety 8000459)	338.66	5.75
46 82 83 00-1301	EA	SG Chk Filter Alarm Prop (Scott Safety 8000460)	338.66	5.75
46 82 83 00-1302	EA	SG Detector ATEX M25 (Scott Safety 8000461)	13,366.31	226.86
46 82 83 00-1303	EA	SG Detector ATEX 3/4" (Scott Safety 8000462)	13,366.31	226.86
46 82 83 00-1304	EA	SG Detector FM M25 (Scott Safety 8000463)	13,366.31	226.86
46 82 83 00-1305	EA	SG Detector FM 3/4" (Scott Safety 8000464)	13,366.31	226.86
46 82 83 00-1306	EA	SG 20 Source ATEX M25 (Scott Safety 8000465)	10,946.62	185.79
46 82 83 00-1307	EA	SG 20 Source ATEX 3/4" (Scott Safety 8000466)	10,946.62	185.79
46 82 83 00-1308	EA	SG 20 Source FM M25 (Scott Safety 8000467)	10,946.62	185.79
46 82 83 00-1309	EA	SG 20 Source FM 3/4" (Scott Safety 8000468)	10,946.62	185.79
46 82 83 00-1310	EA	SG 40 Source ATEX M25 (Scott Safety 8000469)	10,946.62	185.79
46 82 83 00-1311	EA	SG 40 Source ATEX 3/4" (Scott Safety 8000470)	10,946.62	185.79
46 82 83 00-1312	EA	SG 40 Source FM M25 (Scott Safety 8000471)	10,946.62	185.79
46 82 83 00-1313	EA	SG 40 Source FM 3/4" (Scott Safety 8000472)	10,946.62	185.79
46 82 83 00-1314	EA	SG 100 Source ATEX M25 (Scott Safety 8000473)	10,946.62	185.79
46 82 83 00-1315	EA	SG 100 Source ATEX 3/4" (Scott Safety 8000474)	10,946.62	185.79
46 82 83 00-1316	EA	SG 100 Source FM M25 (Scott Safety 8000475)	10,946.62	185.79
46 82 83 00-1317	EA	SG 100 Source FM 3/4" (Scott Safety 8000476)	10,946.62	185.79
46 82 83 00-1318	EA	SG 200 Source ATEX M25 (Scott Safety 8000477)	13,525.51	229.56
46 82 83 00-1319	EA	SG 200 Source ATEX 3/4" (Scott Safety 8000478)	13,525.51	229.56
46 82 83 00-1320	EA	SG 200 Source FM M25 (Scott Safety 8000479)	13,525.51	229.56
46 82 83 00-1321	EA	SG 200 Source FM 3/4" (Scott Safety 8000480)	13,525.51	229.56
46 82 83 00-1322	EA	SG 20 System ATEX M25 (Scott Safety 8000481)	25,786.17	437.65
46 82 83 00-1323	EA	SG 20 System ATEX 3/4" (Scott Safety 8000482)	25,786.17	437.65
46 82 83 00-1324	EA	SG 20 System FM M25 (Scott Safety 8000483)	25,786.17	437.65
46 82 83 00-1325	EA	SG 20 System FM 3/4" (Scott Safety 8000484)	25,786.17	437.65
46 82 83 00-1326	EA	SG 40 System ATEX M25 (Scott Safety 8000485)	25,786.17	437.65
46 82 83 00-1327	EA	SG 40 System ATEX 3/4" (Scott Safety 8000486)	25,786.17	437.65
46 82 83 00-1328	EA	SG 40 System FM M25 (Scott Safety 8000487)	25,786.17	437.65
46 82 83 00-1329	EA	SG 40 System FM 3/4" (Scott Safety 8000488)	25,786.17	437.65
46 82 83 00-1330	EA	SG 100 System ATEX M25 (Scott Safety 8000489)	25,786.17	437.65
46 82 83 00-1331	EA	SG 100 System ATEX 3/4" (Scott Safety 8000490)	25,786.17	437.65
46 82 83 00-1332	EA	SG 100 System FM M25 (Scott Safety 8000491)	25,786.17	437.65
46 82 83 00-1333	EA	SG 100 System FM 3/4" (Scott Safety 8000492)	25,786.17	437.65
46 82 83 00-1334	EA	SG 200 System ATEX M25 (Scott Safety 8000493)	28,365.09	481.42
46 82 83 00-1335	EA	SG 200 System ATEX 3/4" (Scott Safety 8000494)	28,365.09	481.42
46 82 83 00-1336	EA	SG 200 System FM M25 (Scott Safety 8000495)	28,365.09	481.42
46 82 83 00-1337	EA	SG 200 System FM 3/4" (Scott Safety 8000496)	28,365.09	481.42
46 82 83 00-1338	EA	SG Magnetic Mode Selector (Scott Safety 8000497)	234.45	3.98
46 82 83 00-1339	EA	METHANE BEAD (Scott Safety 8000-7200)	558.61	9.48
46 82 83 00-1340	EA	NA SPYGLASS SALES DEMO KIT (Scott Safety 8000756)	33,809.45	573.83
46 82 83 00-1341	EA	SA SPYGLASS SALES DEMO KIT (Scott Safety 8000757)	33,809.45	573.83
46 82 83 00-1342	EA	EU SPYGLASS SALES DEMO KIT (Scott Safety 8000758)	33,809.45	573.83
46 82 83 00-1343	EA	DETECTOR ELEMENT (CH2)N (Scott Safety 8000-8020)	934.88	15.87
46 82 83 00-1344	EA	DETECTOR ELEMENT, H2 (Scott Safety 8000-8040)	934.88	15.87
46 82 83 00-1345	EA	DETECTOR ELEMENT, GEN. PURPOSE (Scott Safety 8000-8050)	1,027.51	17.44
46 82 83 00-1346	EA	NIC MAGNET TOOL (Scott Safety 9550-0068)	28.95	0.49
46 82 83 00-1347	EA	WEATHERPROOF STROBE, 115 Volt AC (Scott Safety 9550-0073)	1,233.01	20.93
46 82 83 00-1348	EA	MAGNET TOOL (130GDAXP) (Scott Safety 9550-0080)	43.41	0.74
46 82 83 00-1349	EA	ALARM (AHI) P.C.B.A. (Scott Safety 9550-2079)	1,733.75	29.42
46 82 83 00-1350	EA	LCD PANEL/CPU ASSY (0-100 ENG) (Scott Safety 9550-2083)	2,480.50	42.10
46 82 83 00-1351	EA	RS485 MODULE PORT P.C.B.A. (Scott Safety 9550-2084)	1,635.33	27.76
46 82 83 00-1352	EA	4-20MA ISOLATED OUTPUT P.C.B.A (Scott Safety 9550-2085)	1,635.33	27.76
46 82 83 00-1353	EA	24 Volt DC, INPUT/OUTPUT PCB Assembly (Scott Safety 9550-2086)	1,314.05	22.30
46 82 83 00-1354	EA	BASIC 24V LEL NIC XTR. (ONLY) (Scott Safety 9550-7194)	2,685.99	45.59
46 82 83 00-1355	EA	MANUAL, 4888-NIC II LEL (Scott Safety 9550-9142)	53.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 82 83 00-1356 Scott 16 Channel Controller Model 7800, Dual Panel Mount Supports 32 Channels. *(46 82 83 00-0522)*

Note: MODEL 7800 A- B - C - DD - E - F - G - H

46 82 83 00-1357	EA	Scott 16 Channel Controller Model 7800 Note: Includes 0 analog inpus, 0 direct catalytic bead input, 0 analog output. For options use model code order: MODEL 7800 A- B - C - DD - E - F - G - H.	11,737.98	224.06

For Enclosure Option, A - 1; Fiberglass NEMA-4X Wall Mount Enclosure - Maximum 7 Option Boards, Add 538.00
For Enclosure Option A - 2; Panel Mount - Maximum 2 Option Boards, Add 645.00
For Enclosure Option A - 3; NEMA-7 Explosion Proof Wall Mount Enclosure (Cast Aluminum) - Maximum 11 Option Boards, Add 4,730.00
For Enclosure Option A - 4; 19" Rack Mount with Single Sixteen Channel Receiver And Cover Panel - Maximum 4 Option Boards, Add 645.00
For Enclosure Option A - 2; 19" Rack Mount with Dual Sixteen Channel Receivers - Supports 32 pts - Maximum 2 Option Boards, Add 4,085.00
For Enclosure Option A - 6; Stainless Steel Enclosure (NEMA4) - Maximum 11 Option Boards, Add 1,398.00
For Input - Analog (4-20mA) Option B - 2; 8 Points (1 board), Add 430.00
For Input - Analog (4-20mA) Option B - 3; 16 Points (2 boards), Add 860.00
For Input - Analog (4-20mA) Option B - 4; 24 Points (3 boards), Add 1,290.00
For Input - Analog (4-20mA) Option B - 5; 32 Points (4 boards), Add 1,720.00
For Input - Direect Catalytic Bead Option C - 2; 8 Points (1 board), Add 1,054.00
For Input - Direect Catalytic Bead Option C - 3; 16 Points (2 boards), Add 2,107.00
For Input - Direect Catalytic Bead Option C - 4; 24 Points (3 boards), Add 3,161.00
For Input - Direect Catalytic Bead Option C - 5; 32 Points (4 boards), Add 4,214.00
For Output - Relay Option DD - 08; 8 Relays (1 board), Add 430.00
For Output - Relay Option DD - 16; 16 Relays (2 boards), Add 860.00
For Output - Relay Option DD - 24; 24 Relays (3 boards), Add 1,290.00
For Output - Relay Option DD - 32; 32 Relays (4 boards), Add 1,720.00
For Output - Relay Option DD - 40; 40 Relays (5 boards), Add 2,150.00
For Output - Relay Option DD - 48; 48 Relays (6 boards), Add 2,580.00
For Output - Relay Option DD - 56; 56 Relays (7 boards), Add 3,010.00
For Output - Relay Option DD - 64; 64 Relays (8 boards), Add 3,440.00
For Output - Relay Option DD - 72; 72 Relays (9 boards), Add 3,870.00
For Output - Relay Option DD - 80; 80 Relays (10 boards), Add 4,300.00
For Output - Relay Option DD - 88; 88 Relays (11 boards), Add 4,730.00
For Output - Relay Option DD - 96; 96 Relays (12 boards), Add 5,160.00
For Output Analog Option E - 2; 8 Outputs (1 board), Add 430.00
For Output Analog Option E - 3; 16 Outputs (2 boards), Add 860.00
For Output Analog Option E - 4; 24 Outputs (3 boards), Add 1,290.00
For Output Analog Option E - 5; 32 Outputs (4 boards), Add 1,720.00
For Auxiliary Blind (Board) Enclosure Option F - 2; Fiberglass NEMA-4X Wall Mount Enclosure, Add 538.00
For Auxiliary Blind (Board) Enclosure Option F - 3; NEMA-7 Explosion Proof Wall Mount Enclosure, Add 4,730.00
For Local Annunciator Option G - 2; Piezo Electric Buzzer, Add 215.00
Note: Only available if option A1, A4, or A5 selected.
For Local Annunciator Option G - 3; 2 Light (amber/red) with Horn Stack, Add 645.00
For Special Option H - 2; Z-Purge, Add 1,075.00
For Special Option H - 3; Z-Purge with pressure switch. Groups C & D., Add 1,720.00
For Special Option H - 4; Z-Purge with pressure switch. Groups B, C & D., Add 1,935.00

46 82 83 00-1358 Scott Safety Equipment *(46 82 83 00-0522)*

46 82 83 00-1359	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-01)	2,604.96	44.22
46 82 83 00-1360	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-02)	3,486.44	59.17
46 82 83 00-1361	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3533-03)	2,897.03	49.17
46 82 83 00-1362	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3533-04)	3,552.22	60.29
46 82 83 00-1363	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-05)	2,604.96	44.22
46 82 83 00-1364	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-06)	3,473.28	58.95
46 82 83 00-1365	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533-07)	2,897.03	49.17
46 82 83 00-1366	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533-08)	3,552.22	60.29
46 82 83 00-1367	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3563-01)	2,602.33	44.16
46 82 83 00-1368	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3563-02)	3,460.13	58.72
46 82 83 00-1369	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-01)	2,883.87	48.95
46 82 83 00-1370	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-02)	3,454.85	58.64
46 82 83 00-1371	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-03)	3,454.85	58.64
46 82 83 00-1372	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-04)	3,683.78	62.52
46 82 83 00-1373	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3480-05)	3,275.93	55.60
46 82 83 00-1374	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3480-06)	3,473.28	58.95
46 82 83 00-1375	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3480-07)	3,341.71	56.72
46 82 83 00-1376	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3480-08)	3,867.96	65.65
46 82 83 00-1377	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-01)	2,841.78	48.23
46 82 83 00-1378	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-02)	3,394.34	57.61
46 82 83 00-1379	EA	ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-03)	2,604.96	44.22
46 82 83 00-1380	EA	STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-04)	3,157.53	53.59
46 82 83 00-1381	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096-3558-01)	3,510.16	46.89
46 82 83 00-1382	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096-3558-02)	4,312.50	57.61
46 82 83 00-1383	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-03)	4,011.63	53.59
46 82 83 00-1384	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-04)	4,680.23	62.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1385	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-05)	3,710.75	49.57
46 82 83 00-1386	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-06)	4,412.79	58.95
46 82 83 00-1387	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-07)	4,245.63	56.72
46 82 83 00-1388	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-08)	4,914.23	65.65
46 82 83 00-1389	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END CAP, remote head (Scott Safety 096-3558-09)	4,178.77	55.83
46 82 83 00-1390	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END cap, remote head (Scott Safety 096-3558-10)	4,847.37	64.76
46 82 83 00-1391	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-11)	4,680.23	62.52
46 82 83 00-1392	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-12)	5,348.83	71.45
46 82 83 00-1393	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-13)	4,279.06	57.16
46 82 83 00-1394	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL End cap, Remote head (Scott Safety 096-3558-14)	5,081.39	67.88
46 82 83 00-1395	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-15)	4,780.50	63.86
46 82 83 00-1396	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-16)	5,616.26	75.03
46 82 83 00-1397	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-01)	3,510.16	46.89
46 82 83 00-1398	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-02)	4,312.50	57.61
46 82 83 00-1399	EA	ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-03)	3,175.86	42.43
46 82 83 00-1400	EA	STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-04)	3,844.46	51.36
46 82 83 00-1401	EA	MERIDIAN AMMONIA SENSOR- NH3 (Scott Safety 096-3473-03)	1,157.76	19.65
46 82 83 00-1402	EA	MERIDIAN BROMINE SENSOR- Br2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-24)	1,157.76	19.65
46 82 83 00-1403	EA	MERIDIAN CARBON DIOXIDE INFRARED SENSOR- CO2 IR (Sensor not supported by 2-Wire Unit) (Scott Safety 096-3473-58)	1,355.11	23.00
46 82 83 00-1404	EA	MERIDIAN CARBON MONOXIDE SENSOR- CO (Scott Safety 096-3473-01)	1,170.91	19.87
46 82 83 00-1405	EA	MERIDIAN CHLORINE DIOXIDE SENSOR -ClO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-37)	1,381.42	23.45
46 82 83 00-1406	EA	MERIDIAN CHLORINE DIOXIDE SENSOR -ClO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-38)	1,381.42	23.45
46 82 83 00-1407	EA	MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-20)	1,157.76	19.65
46 82 83 00-1408	EA	MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-21)	1,157.76	19.65
46 82 83 00-1409	EA	MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-22)	1,157.76	19.65
46 82 83 00-1410	EA	MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-23)	1,157.76	19.65
46 82 83 00-1411	EA	MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-25)	1,157.76	19.65
46 82 83 00-1412	EA	MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-26)	1,157.76	19.65
46 82 83 00-1413	EA	MERIDIAN HYDROGEN CYANIDE SENSOR - HCN (Scott Safety 096-3473-11)	986.73	16.74
46 82 83 00-1414	EA	MERIDIAN HYDROGEN SENSOR - H2 (Scott Safety 096-3473-12)	1,460.35	24.79
46 82 83 00-1415	EA	MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-27)	1,157.76	19.65
46 82 83 00-1416	EA	MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-28)	1,157.76	19.65
46 82 83 00-1417	EA	MERIDIAN HYDROGEN SULFIDE SENSOR- H2S (LOW METHANOL) (Scott Safety 096-3473-02)	868.31	14.74
46 82 83 00-1418	EA	MERIDIAN NITROGEN DIOXIDE SENSOR - NO2 (Scott Safety 096-3473-54)	881.47	14.97
46 82 83 00-1419	EA	MERIDIAN NITRIC OXIDE SENSOR - NO (Scott Safety 096-3473-14)	1,184.07	20.10
46 82 83 00-1420	EA	MERIDIAN OXYGEN SENSOR - O2 (Scott Safety 096-3473-19)	618.35	10.49
46 82 83 00-1421	EA	MERIDIAN OZONE SENSOR - O3 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-39)	1,118.29	18.98
46 82 83 00-1422	EA	MERIDIAN SILANE SENSOR - SiH4 (Scott Safety 096-3473-09)	1,578.76	26.79
46 82 83 00-1423	EA	MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-31)	1,052.50	17.86
46 82 83 00-1424	EA	MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-32)	1,052.50	17.86
46 82 83 00-1425	EA	MERIDIAN SULFUR DIOXIDE SENSOR -SO2 HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-05)	949.89	16.12
46 82 83 00-1426	EA	MERIDIAN COMBUSTIBLE CATALYTIC BEAD SENSOR (Scott Safety 096-3473-55)	776.23	13.18
46 82 83 00-1427	EA	MERIDIAN COMBUSTIBLE INFRARED SENSOR1 (Scott Safety 096-3473-56)	1,460.35	24.79
46 82 83 00-1428	EA	MERIDIAN INFRARED SENSOR BUTANE - C4H10 (Scott Safety 096-3554-04)	1,776.11	30.14
46 82 83 00-1429	EA	MERIDIAN INFRARED SENSOR HEXANE - C6H14 (Scott Safety 096-3554-08)	1,776.11	30.14
46 82 83 00-1430	EA	MERIDIAN INFRARED SENSOR ISOPROPANOL - C3H7OH (Scott Safety 096-3554-05)	1,776.11	30.14
46 82 83 00-1431	EA	MERIDIAN INFRARED SENSOR METHANOL - CH3OH (Scott Safety 096-3554-03)	1,776.11	30.14
46 82 83 00-1432	EA	MERIDIAN INFRARED SENSOR OCTAMETHYL TRISILOXANE - C8H24O2Si3 (Scott Safety 096-3554-02)	1,776.11	30.14
46 82 83 00-1433	EA	MERIDIAN INFRARED SENSOR PENTANE - C5H12 (Scott Safety 096-3554-07)	1,776.11	30.14
46 82 83 00-1434	EA	MERIDIAN INFRARED SENSOR PROPANE - C3H8 (Scott Safety 096-3554-01)	1,776.11	30.14
46 82 83 00-1435	EA	MERIDIAN INFRARED SENSOR TOLUENE - C7H8 (Scott Safety 096-3554-06)	1,776.11	30.14
46 82 83 00-1436	EA	CALIBRATION ADAPTER (Scott Safety 096-3438)	131.57	2.24
46 82 83 00-1437	EA	FLOW CELL (Scott Safety 096-3439)	144.73	2.46
46 82 83 00-1438	EA	DELUGE GUARD (Scott Safety 096-3441)	197.35	3.35
46 82 83 00-1439	EA	WEATHER SHIELD (Scott Safety 073-0373)	197.35	3.35
46 82 83 00-1440	EA	UNIVERSAL MOUNTING ADAPTER PLATE (Scott Safety 073-0374)	197.35	3.35
46 82 83 00-1441	EA	STAINLESS STEEL END CAP (Scott Safety 096-3437-2)	263.13	4.47
46 82 83 00-1442	EA	SENSOR SIMULATOR (Scott Safety 096-3395)	302.59	5.14
46 82 83 00-1443	EA	FLAT/ROUND DUCT MOUNTING KIT (Scott Safety 096-3440)	271.01	4.60

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46 82 83 00-1444	EA	A-FRAME SALES DISPLAY KIT (INCLUDES: A-FRAME, SPACER PLATE, THUMB SCREWS, DC JACK ASSY) (Scott Safety 096-3541-00)	657.82	11.17
46 82 83 00-1445	EA	PIPE MOUNT FOR JUNCTION BOX (Scott Safety 076-0376)	105.26	1.79
46 82 83 00-1446	EA	PIPE MOUNT FOR MERIDIAN (Scott Safety 076-0377)	131.57	2.24
46 82 83 00-1447	EA	RIGHT ANGLE FITTING, POLYMER FOR 1/8" TUBING (Scott Safety 077-1385)	26.31	0.45
46 82 83 00-1448	EA	RIGHT ANGLE FITTING, STAINLESS STEEL FOR 1/8" TUBING (Scott Safety 077-1386)	302.59	5.14
46 82 83 00-1449	EA	DUST FILTER (Scott Safety 096-3537)	157.87	2.68
46 82 83 00-1450	EA	NEMA 4X 4 Channel Base Unit (Scott Safety 093-0463)	6,051.92	102.71
46 82 83 00-1451	EA	4 Channel Direct Cat Bead Input and Discrete Relays(8) (Scott Safety 093-0455)	8,235.88	139.78
46 82 83 00-1452	EA	4 Channel Direct Cat Bead Input (Scott Safety 093-0456)	7,157.05	121.47
46 82 83 00-1453	EA	4 Channel 4-20ma Input and Discrete Relays(8) (Scott Safety 093-0457)	7,657.00	129.95
46 82 83 00-1454	EA	4 Channel 4-20ma Input (Scott Safety 093-0458)	7,078.12	120.13
46 82 83 00-1455	EA	7400 Plus - 4 Channel, NEMA 4X, Direct Catbead Input Board (Scott Safety 093-0618)	9,788.32	166.13
46 82 83 00-1456	EA	7400 Plus - 4 Channel, NEMA 4X, 4-20 mA Input Board (Scott Safety 093-0619)	9,077.87	154.07
46 82 83 00-1457		**Multi-Channel Integrated Control Systems, Scott Model Series MCX-32** *(46 82 83 00-0522)*		
46 82 83 00-1458	EA	Model MCX-32-N1P, 64 Channel Integrated Control System In Ppanel Mount Hardware Assembly, 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 95P-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	14,457.64	245.40
46 82 83 00-1459	EA	Model MCX-32-N1R, 64 Channel Integrated Control System In 19" Rack Mount Hardware Assembly With 110/220 Volt AC, 24 Volt DC, Power Supply. (Scott Safety 95R-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	14,720.77	249.87
46 82 83 00-1460	EA	Model MCX-32-N4X, 64 Channel Integrated Control System In Fiberglass Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 954-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	18,287.33	310.38
46 82 83 00-1461	EA	Model MCX-32-N4X, 64 Channel Integrated Control System In 316 Stainless Steel Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 954-MCX020-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	20,895.85	354.59
46 82 83 00-1462	EA	Detcon Model DA-4 four channel 4-20 maDC input module (Scott Safety 976-041400-000)	1,566.41	26.57
46 82 83 00-1463	EA	Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000)	1,566.41	26.57
46 82 83 00-1464	EA	Detcon Model DI-4 four channel dry contact input module (Scott Safety 975-041402-000)	1,566.41	26.57
46 82 83 00-1465	EA	Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000)	1,566.41	26.57
46 82 83 00-1466	EA	RS-485 Isolated Repeater, 9-30 Volt DC (Scott Safety 976-485485-000)	1,200.41	20.32
46 82 83 00-1467	EA	NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000)	3,630.36	61.63
46 82 83 00-1468	EA	NEMA 7X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11670-000)	8,288.50	140.67
46 82 83 00-1469	EA	Eithernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000)	5,181.67	84.63
46 82 83 00-1470	EA	Eithernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000)	6,563.82	111.42
46 82 83 00-1471		**NEMA 1 Panel Mount Mainframe Hardware Assemblies, Scott Model 12** *(46 82 83 00-0522)*		
46 82 83 00-1472	EA	Model 612 NEMA 1, 6 Channel Panel Mount Mainframe (Scott Safety 951-061240-000) Note: Requires external line power 24 Volt DC power supply	2,092.66	35.51
46 82 83 00-1473	EA	Model 1212 NEMA 1, 12 Channel Panel Mount Mainframe (Scott Safety 951-121240-000) Note: Requires external line power 24 Volt DC power supply	2,618.91	44.44
46 82 83 00-1474	EA	NEMA 1 Line Power 24 Volt DC Power Supply, 6.25 Amperes 150 Watt, Standard 19" Rack Mount (Scott Safety 975-124150-000)	3,223.30	54.71
46 82 83 00-1475	EA	NEMA 1 Line Power 24 Volt DC Power Supply,12.5 Amperes 300 Watt, Standard 19" Rack Mount (Scott Safety 975-124300-000)	3,669.43	62.30
46 82 83 00-1476	EA	Model 812-N4X NEMA 4X, 8 Channel Weatherproof Wall Mount Enclosure With Line Power 24 Volt DC Power Supply, 110/220 Volt AC (Scott Safety 954-081250-000)	5,932.72	100.70
46 82 83 00-1477	EA	Model 1212-N4X NEMA 4X, 12 channel Weatherproof Wall Mount Enclosure With Line Power 24 Volt DC Power Supply (Scott Safety 954-121250-000)	8,565.98	145.37
46 82 83 00-1478	EA	Z-Purge Kit with pressure switch (for Mod 10/12 N4X) (Scott Safety 975-3675R0-000)	3,669.43	62.30
46 82 83 00-1479	EA	Detcon Model Series 12 Blank Plate (Scott Safety 912-000008-005)	100.70	1.70
46 82 83 00-1480	EA	Auxiliary Alarm Relay Board (Scott Safety 500-502600-000)	748.33	12.73
46 82 83 00-1481	EA	Gold plated jumper tab (Scott Safety 224-000000-000)	11.43	0.15
46 82 83 00-1482	EA	Power supply (812-N4X) (Scott Safety 360-SWS150-024)	881.87	14.97
46 82 83 00-1483	EA	Power supply (1212-N4X) (Scott Safety 360-SWS300-024)	881.87	14.97
46 82 83 00-1484	EA	Model 140-N4X, Single Channel Gas Detection Control System In Wall Mount Weatherproof Enclosure 110/220 Volt AC, 24 Volt DC Power Supply (Scott Safety 954-010110-000)	3,669.43	62.30
46 82 83 00-1485	EA	Model 240-N4X, Dual Channel Gas Detection Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply (Scott Safety 954-020210-000)	4,721.94	80.16
46 82 83 00-1486	EA	Model X40-08-N4X, Integrated Alarm And Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 8 Sensors. (Scott Safety 954-X08000-000) Note: Excludes optional I/O modules	5,252.16	89.09
46 82 83 00-1487	EA	Model X40-32-N1P, integrated alarm and control system in panel mount enclosure Exclude optional I/O modules. Power supply for 32 sensors (Scott Safety 95P-X32000-000)	5,511.32	93.56
46 82 83 00-1488	EA	Model X40-32 Integrated Alarm And Control Module. (Scott Safety 95M-X32000-000) Note: Excludes enclosure or optional I/O modules. Requires 24Volt DC .	3,950.43	66.77
46 82 83 00-1489	EA	Model X40-32-N1P, Integrated Alarm And Control System In 19" Rack Mount Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 32 Sensors (Scott Safety 95R-X32000-000) Note: Excludes optional I/O modules	6,567.79	111.42
46 82 83 00-1490	EA	Model X40-32-N4X, Integrated Alarm And Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 32 Sensors. (Scott Safety 954-X32000-000) Note: Excludee optional I/O modules	6,567.79	111.42
46 82 83 00-1491	EA	Model X40-00-N7, Integrated Alarm And Control System In Wall Mount Explosion Proof Enclosure (Class I; Div 1: Group C, D). (Scott Safety 957-X32000-000-0_0) Note: Requires external 10-30 Volt DC power supply.	5,868.78	93.56
46 82 83 00-1492	EA	Model X40-RD-N4, 64 Channel Remote Display panel in N4X enclosure; 120 Volt AC and wall mounting. (Scott Safety 954-XRD640-110)	4,721.94	80.16

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46 82 83 00-1493	EA	Model X40-RD-N7, 32 Channel Remote Display Panel In Cast Aluminum Enclosure (Class 1; Div 1; Grps C, D.) (Scott Safety 957-XRD640-110-0_0) Note: Requires 24Volt DC input	5,511.32	93.56
46 82 83 00-1494	EA	Smart battery pack with extended lid aluminum enclosure with mounting plate for wall or 2" pipe and accessories (Scott Safety 5)	2,762.83	46.89
46 82 83 00-1495	EA	Smart battery pack with extended lid aluminum enclosure and alarm reset switch with mounting plate for wall or 2" pipe and accessories (Scott Safety 6)	2,657.98	45.11
46 82 83 00-1496	EA	115/220 Volt AC line power (Scott Safety 7)	1,985.81	33.72
46 82 83 00-1497	EA	Sentinel Controller With 4 Wired Inputs, Reset Switch, Alarm Output 12 Volt DC, AC power (Scott Safety 954-CXTO-4-300)	11,117.12	188.69
46 82 83 00-1498	EA	Detcon Model DA-4 four channel 4-20 maDC input module (Scott Safety 976-041400-000)	1,253.83	21.21
46 82 83 00-1499	EA	Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000)	1,253.83	21.21
46 82 83 00-1500	EA	Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000)	1,253.83	21.21
46 82 83 00-1501	EA	RS-485 Isolated Repeater, 9-30 Volt DC (Scott Safety 976-485485-000)	1,148.97	19.43
46 82 83 00-1502	EA	NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000)	3,630.36	61.63
46 82 83 00-1503	EA	NEMA 7X Remote I/O Module Enclosure includes 75 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11662-000)	9,419.15	159.88
46 82 83 00-1504	EA	Ethernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000)	4,987.05	84.63
46 82 83 00-1505	EA	Ethernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000)	6,300.69	106.96
46 82 83 00-1506		**Start Up and Training** *(46 82 83 00-0522)*		
46 82 83 00-1507	EA	Scott Safety Start Up And Training	2,307.62	22.08
46 82 83 00-1508		**Flow Equipment (Sierra Instruments)** *(46 82 83 00-0099)*		
46 82 83 00-1509		**InnovaSonic® 203 Economical Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1510	EA	InnovaSonic® Economical Ultrasonic Transit-Time Liquid Flow Meter (Sierra 203) Note: Flow range 1.6 to 40 ft/s; accuracy +/- 1.0% of reading from 1.6 to 40 ft/s; repeatability +/- 0.3% of reading; pipe size range 1" to 48". 10 to 24 Volt AC or 10 to 36 Volt DC at 1A; transmitter NEMA 4X, IP 65, ABS/PC enclosure; output 4 to 20 mA current loop (maximum load 750 Ohm); OCT 0 to 9999 Hz. Push button data entry (4x4 keypad with 12 dual function keys) and integral display; relay, RS-485 (RS-232 optional), Modbus RTU; operating temperature 32 to 140 Degree F. Clamp on transducers included. Includes 30' cable. No cost options include: OCT, Relay, RS-485, 4 To 20 mA Current Loop (Maximum Load 750 Ohm), Modbus RTU - Code 2; OCT, Relay, RS-232, 4 To 20 mA Current Loop (Maximum Load 750 Ohm) - Code 3; Clamp on transducers. Operating Temperature 32 to 140 Degree F, Standard 30' - Code CP.	5,037.99	69.45
46 82 83 00-1511	EA	5-Point Calibration Certification Traceable To NIST (Sierra NIST)	985.01	
46 82 83 00-1512	EA	100 Gram Coupling Compound (Sierra 205-2011)	87.38	
46 82 83 00-1513	EA	50' InnovaSonic Cable Length Adder Option (Sierra 203 50)	421.49	13.89
46 82 83 00-1514	EA	100' InnovaSonic Cable Length Adder Option (Sierra 203 100)	991.91	27.78
46 82 83 00-1515	EA	150' InnovaSonic Cable Length Adder Option (Sierra 203 150)	1,681.50	41.67
46 82 83 00-1516	EA	200' InnovaSonic Cable Length Adder Option (Sierra 203 200)	2,202.28	55.56
46 82 83 00-1517	EA	300' InnovaSonic Cable Length Adder Option (Sierra 203 300)	3,454.35	83.33
46 82 83 00-1518	EA	InnovaSonic Hard Copy Instruction Manual (Sierra 203-IM)	87.38	
46 82 83 00-1519		**InnovaSonic® 205i General Purpose Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1520	EA	InnovaSonic® General Purpose Ultrasonic Transit-Time Liquid Flow Meter (Sierra 205i) Note: Flow range 0.16 to 40 ft/s; accuracy +/- 0.5% of reading from 0.16 to 40 ft/s; repeatability +/- 0.1% of full scale; output 4 to 20 mA (max load 750 Ohm), OCT, relay (SPST), frequency; power supply 90 to 250 Volt AC, 48 to 63 Hz and 10 to 36 Volt DC; pipe size 2" to 236"; display 20 x 2, alphanumeric, backlit LCD; keypad 22 tactile keys with 12 dual-function and 6 quick setup keys. 1 GB SD card high-memory data logging, maximum memory 512 days of data. Transducer hazard area classification Ex d II BT4. Modbus RTU, RS-232 and RS-485 standard. Installation kit includes 2" x 44" pipe straps suitable for up to 12" diameter pipe. Installation method: wall mount. Includes 30' cable. No cost options include: NEMA 4X (IP 65). Die-Cast Aluminum Machined Enclosure - Code 1.	7,426.34	69.45
46 82 83 00-1521	EA	-40 To 176 Degree F, IP 67, Clamp On Transducer (Sierra 205i S)	2,215.19	26.04
46 82 83 00-1522	EA	1-1/2" Diameter, -40 To 176 Degree F, Insertion Transducer (Sierra 205i W) Note: Suitable for pipes 2" to 236". IP 67. Includes 1-1/2" ball valves; carbon steel installation seat for ball valve (brass), mounting kit (includes 4 screws and four plastic bushings) and seal kits.	2,777.60	26.04
46 82 83 00-1523	EA	5-Point Calibration Certification Traceable To NIST (Sierra 205i NIST)	1,022.08	
46 82 83 00-1524	EA	100 Gram Coupling Compound (Sierra 205-2011)	45.43	
46 82 83 00-1525	EA	43" Pipe Straps (Sierra 205-2010)	74.14	8.68
46 82 83 00-1526	EA	50' InnovaSonic Cable Length Adder Option (Sierra 205i 50)	335.80	13.89
46 82 83 00-1527	EA	100' InnovaSonic Cable Length Adder Option (Sierra 205i 100)	827.33	27.78
46 82 83 00-1528	EA	150' InnovaSonic Cable Length Adder Option (Sierra 205i 150)	1,318.87	41.67
46 82 83 00-1529	EA	200' InnovaSonic Cable Length Adder Option (Sierra 205i 200)	1,810.41	55.56
46 82 83 00-1530	EA	300' InnovaSonic Cable Length Adder Option (Sierra 205i 300)	2,793.48	83.33
46 82 83 00-1531		**InnovaSonic® 207i General Purpose Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1532	EA	InnovaSonic® Liquid And Thermal Energy/BTU Flow Meter (Sierra 207i)	8,211.46	69.45
46 82 83 00-1533	EA	InnovaSonic AC Powered Option, 100-240 Volt AC, 50-60 hertz, 0.5 Amperes (Sierra 207i P3)	476.38	69.45
46 82 83 00-1534	PR	14°F to 176°F, IP 68, Clamp On Transducer(Sierra 207i S)	2,435.17	26.39
46 82 83 00-1535	PR	14°F to 302°F, IP 68, High-Temperature Clamp On Transducer (Sierra 207i H)	2,852.21	26.39
46 82 83 00-1536	PR	-40°F to 176°F, IP 68, 1-1/2" Diameter Insertion Transducer (Sierra 207i W)	3,428.12	26.39
46 82 83 00-1537	EA	Up To three PT 100 Input Modules Option (Sierra 207i PT 100)	258.17	
46 82 83 00-1538	EA	Option To Accept Analog Current Inputs From Any 4-20 mA Transmitter (Sierra 207i AI)	258.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1539	EA	Modbus RS-485 Output (Sierra 207i Modbus)	258.17	
46 82 83 00-1540	EA	BACnet Protocol (Sierra 207i BACnet)	496.48	
46 82 83 00-1541	EA	1-1/2" NPT Strain Relief For Wiring/Cable (Sierra 207i STRAIN)	73.24	14.59
46 82 83 00-1542	EA	Clamp On PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDC ( )-X)	568.42	31.25
46 82 83 00-1543	EA	Insertion PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDI ( )-X)	669.70	31.25
46 82 83 00-1544	EA	Coupling Compound (Sierra 207i 205-2011)	87.38	
46 82 83 00-1545	EA	43" Pipe Straps (Sierra 207i 205-2010)	114.67	9.03
46 82 83 00-1546	EA	Hard Copy Instruction Manual (Sierra 207i IM)	87.38	
46 82 83 00-1547	EA	Matched RTD System (Sierra 207i MATCHED RTD)	1,191.54	
46 82 83 00-1548	Day	Commissioning (Sierra 207i Commissioning)	3,090.15	
46 82 83 00-1549	EA	50' InnovaSonic Cable Length Adder Option (Sierra 207i 50)	423.48	13.89
46 82 83 00-1550	EA	100' InnovaSonic Cable Length Adder Option (Sierra 207i 100)	974.04	27.78
46 82 83 00-1551	EA	150' InnovaSonic Cable Length Adder Option (Sierra 207i 150)	1,461.06	41.67
46 82 83 00-1552	EA	200' InnovaSonic Cable Length Adder Option (Sierra 207i 200)	2,057.31	55.56
46 82 83 00-1553	EA	300' InnovaSonic Cable Length Adder Option (Sierra 207i 300)	2,953.90	83.33
46 82 83 00-1554		**InnovaSonic® 210i Portable Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1555	EA	Hard Copy Instruction Manual (Sierra 2010i IM)	87.38	
46 82 83 00-1556	EA	InnovaSonic® Portable Ultrasonic Transit-Time Liquid Flow Meter (Sierra 210i) Note: Portable ultrasonic transit-time liquid flow meter; flow range 0.03 to 40 ft/s; accuracy +/- 0.5% of reading from 0.03 to 40 ft/s; repeatability +/- 0.1% of full scale; pipe size 0.6" to 236"; 4 to 20 mA DC output; push-button data entry with 24 tactile keys; 12 dual-function and 7 quick setup keys; integral color display; 11.1 Volt DC rechargeable battery (10 hours duration); wall-mounted charger included (includes international plug set); 2 GB SD memory card; carrying bag, pelican case. Includes 16' cable. No cost options include: Push-Button Data Entry With 24 Tactile Keys, 12 Dual Function And 7 Quick Setup Keys, Comes With Display - Code 1; Clamp-On Portable Transducers With Two Magnetic Mounting Racks, Operating Temperature -40 to 176 Degree F, 16' Standard Cable Length, Longer Lead Time Required For Longer Cable Lengths - Code 16.	12,709.76	
46 82 83 00-1557	EA	5-Point Calibration Certification Traceable To NIST (Sierra 210i NIST)	985.01	
46 82 83 00-1558	EA	100 Gram Coupling Compound (Sierra 205-2011)	87.38	
46 82 83 00-1559	EA	30' InnovaSonic Cable Length Adder Option (Sierra 210i 30)	215.95	8.68
46 82 83 00-1560	EA	50' InnovaSonic Cable Length Adder Option (Sierra 210i 50)	342.05	13.89
46 82 83 00-1561	EA	100' InnovaSonic Cable Length Adder Option (Sierra 210i 100)	842.97	27.78
46 82 83 00-1562	EA	150' InnovaSonic Cable Length Adder Option (Sierra 210i 150)	1,343.90	41.67
46 82 83 00-1563	EA	200' InnovaSonic Cable Length Adder Option (Sierra 210i 200)	1,844.82	55.56
46 82 83 00-1564	EA	300' InnovaSonic Cable Length Adder Option (Sierra 210i 300)	2,846.66	83.33
46 82 83 00-1565		**InnovaMass® 240 Series** *(46 82 83 00-1508)*		
46 82 83 00-1566	EA	Liquid, Gas And Steam InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240V) Note: No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	3,171.25	69.45
46 82 83 00-1567	EA	Velocity And Temperature Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT) Note: Mass measurement with temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature - 40 To 500 Degree F - Code ST; No Pressure Sensor - Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	5,155.16	69.45
46 82 83 00-1568	EA	Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP) Note: Mass measurement with pressure and temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	6,563.16	69.45
46 82 83 00-1569	EA	Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTEP) Note: Mass measurement with pressure temperature compensation. Pressure sensor is not included. (select MP0), but unit has a 4-20 mA input for an external pressure sensor. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5	9,314.07	69.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1570	EA	VT Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST.	7,764.73	69.45
46 82 83 00-1571	EA	VTP Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	9,507.04	69.45
46 82 83 00-1572	EA	1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra F2)	2,006.76	33.33
46 82 83 00-1573	EA	3/4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F3)	2,013.70	38.90
46 82 83 00-1574	EA	1" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F4)	2,023.25	58.49
46 82 83 00-1575	EA	1-1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F5)	2,113.03	72.92
46 82 83 00-1576	EA	2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F6)	2,282.37	92.60
46 82 83 00-1577	EA	3" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F7)	3,323.21	118.21
46 82 83 00-1578	EA	4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F8)	4,783.83	198.42
46 82 83 00-1579	EA	6" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F9)	7,570.12	250.91
46 82 83 00-1580	EA	8" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F10)	13,106.61	317.47
46 82 83 00-1581	EA	1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G2)	2,942.52	33.33
46 82 83 00-1582	EA	3/4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G3)	2,949.46	38.90
46 82 83 00-1583	EA	1" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G4)	2,960.60	58.49
46 82 83 00-1584	EA	1-1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G5)	3,266.83	72.92
46 82 83 00-1585	EA	2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G6)	3,581.15	92.60
46 82 83 00-1586	EA	3" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G7)	5,487.85	118.21
46 82 83 00-1587	EA	4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G8)	6,295.10	198.42
46 82 83 00-1588	EA	6" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G9)	12,717.57	250.91
46 82 83 00-1589	EA	8" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G10)	16,919.54	317.47
46 82 83 00-1590	EA	1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H2)	3,527.38	33.33
46 82 83 00-1591	EA	3/4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H3)	3,534.32	38.90
46 82 83 00-1592	EA	1" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H4)	3,538.50	58.49
46 82 83 00-1593	EA	1-1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H5)	4,132.69	72.92
46 82 83 00-1594	EA	2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H6)	4,445.01	92.60
46 82 83 00-1595	EA	3" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H7)	6,496.68	118.21
46 82 83 00-1596	EA	4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H8)	13,466.18	198.42
46 82 83 00-1597	EA	6" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H9)	19,378.28	250.91
46 82 83 00-1598	EA	8" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H10)	27,722.83	317.47
46 82 83 00-1599	EA	1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W2)	1,784.51	33.33
46 82 83 00-1600	EA	3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W3)	1,791.45	38.90
46 82 83 00-1601	EA	1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W4)	1,301.29	58.49
46 82 83 00-1602	EA	1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W5)	1,611.98	72.92
46 82 83 00-1603	EA	2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W6)	1,928.78	92.60
46 82 83 00-1604	EA	3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W7)	2,375.76	118.21
46 82 83 00-1605	EA	4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W8)	3,441.29	198.42
46 82 83 00-1606	EA	1" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC4)	1,815.94	58.49
46 82 83 00-1607	EA	1-1/2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC5)	1,834.22	72.92
46 82 83 00-1608	EA	2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC6)	2,010.67	92.60
46 82 83 00-1609	EA	3" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC7)	2,896.55	118.21
46 82 83 00-1610	EA	4" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC8)	3,753.37	198.42
46 82 83 00-1611	EA	6" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC9)	7,571.06	250.91
46 82 83 00-1612	EA	8" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC10)	12,008.73	317.47
46 82 83 00-1613	EA	1" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC4)	1,818.85	58.49
46 82 83 00-1614	EA	1-1/2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC5)	1,837.13	72.92
46 82 83 00-1615	EA	2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC6)	2,008.36	92.60
46 82 83 00-1616	EA	3" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC7)	2,913.24	118.21
46 82 83 00-1617	EA	4" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC8)	3,753.37	198.42
46 82 83 00-1618	EA	6" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC9)	9,748.30	250.91
46 82 83 00-1619	EA	8" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC10)	12,008.73	317.47
46 82 83 00-1620	EA	1" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC4)	2,529.46	58.49
46 82 83 00-1621	EA	1-1/2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC5)	2,840.17	72.92
46 82 83 00-1622	EA	2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC6)	3,156.97	92.60
46 82 83 00-1623	EA	3" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC7)	4,346.99	118.21
46 82 83 00-1624	EA	4" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC8)	6,344.26	198.42
46 82 83 00-1625	EA	6" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC9)	11,199.79	250.91
46 82 83 00-1626	EA	8" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC10)	14,476.25	317.47
46 82 83 00-1627	EA	Remote Electronics Explosion Proof Enclosure (Sierra 240 E4) Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEx and Cable glands. Class 1, Division 1.	1,940.17	34.73
46 82 83 00-1628	EA	Digital Display With Pushbuttons Option (Sierra 240 DD)	417.04	
46 82 83 00-1629	EA	No Readout Display Option (Sierra 240 NR) Note: Display highly recommended for setup/diagnostics.	443.44	
46 82 83 00-1630	EA	12-36 Volt C Input Power (Sierra 240 PV1)	1,029.33	
46 82 83 00-1631	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 240 PS)	766.56	
46 82 83 00-1632	EA	One Analog Output (4-20 mA), One Alarm, One Pulse, And MODBUS (Sierra 240 V4M)	704.99	
46 82 83 00-1633	EA	One Analog Output (4-20 mA), One Alarm, One Pulse, And BACNet (Sierra 240 V4B)	618.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1634	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240 V6H)	704.99	
46 82 83 00-1635	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240 V6M)	704.99	
46 82 83 00-1636	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240 V6B)	982.54	
46 82 83 00-1637	EA	High Process Temperature, -40 To 750 Degree F (Sierra 240 HT)	2,093.76	
46 82 83 00-1638	EA	Material Certificates Option (Sierra 240 MC) Note: US Mill certifications on all wetted parts.	230.36	
46 82 83 00-1639	EA	Pressure Test Certificate Option (Sierra 240 PT)	115.18	
46 82 83 00-1640	EA	Certificate Of Conformance Option (Sierra 240 CC)	115.18	
46 82 83 00-1641	EA	NACE Certificate Option (Sierra 240 NC)	230.36	
46 82 83 00-1642	EA	Meter Cleaned For O2 Service (Includes Certification) Option (Sierra 240 O2C) Note: Required O2C (oxygen cleaning) if meter to be used for oxygen service.	1,286.86	
46 82 83 00-1643	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25V)	651.15	8.68
46 82 83 00-1644	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50V)	1,008.52	13.89
46 82 83 00-1645	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25VTP)	1,303.21	27.78
46 82 83 00-1646	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50VTP)	2,300.92	41.67
46 82 83 00-1647	EA	3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 240 M20L)	270.28	55.56
46 82 83 00-1648	EA	3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 240 M20R)	578.46	83.33
46 82 83 00-1649	EA	Additional Instruction Manual (Sierra 240-IM)	87.38	

46 82 83 00-1650 InnovaMass® 240i Series *(46 82 83 00-1508)*

46 82 83 00-1651	EA	DN25/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD4)	2,522.67	17.36
46 82 83 00-1652	EA	DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD5)	3,112.36	29.86
46 82 83 00-1653	EA	DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD6)	3,507.07	33.33
46 82 83 00-1654	EA	DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD7)	4,580.43	38.90
46 82 83 00-1655	EA	DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD8)	5,607.80	58.49
46 82 83 00-1656	EA	DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD9)	10,904.61	72.92
46 82 83 00-1657	EA	DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD10)	16,475.59	92.60
46 82 83 00-1658	EA	DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD4)	3,823.43	17.36
46 82 83 00-1659	EA	DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD5)	4,413.13	29.86
46 82 83 00-1660	EA	DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD6)	5,153.38	33.33
46 82 83 00-1661	EA	DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD7)	6,758.97	38.90
46 82 83 00-1662	EA	DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD8)	8,072.31	58.49
46 82 83 00-1663	EA	DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD9)	14,574.55	72.92
46 82 83 00-1664	EA	DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD10)	24,188.83	92.60
46 82 83 00-1665	EA	DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD4)	5,108.31	17.36
46 82 83 00-1666	EA	DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD5)	5,840.99	29.86
46 82 83 00-1667	EA	DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD6)	6,017.24	33.33
46 82 83 00-1668	EA	DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD7)	8,663.44	38.90
46 82 83 00-1669	EA	DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD8)	11,913.04	58.49
46 82 83 00-1670	EA	DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD9)	16,075.89	72.92
46 82 83 00-1671	EA	DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD10)	29,630.20	92.60
46 82 83 00-1672	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 240i V6DP1)	704.99	
46 82 83 00-1673	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 240i V6DP2)	704.99	
46 82 83 00-1674	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 240i V6FF)	704.99	
46 82 83 00-1675	Day	Commissioning (Sierra 240i Commissioning)	2,978.85	
46 82 83 00-1676	EA	Hard Copy Instruction Manual (Sierra 240i IM)	45.32	

46 82 83 00-1677 InnovaMass® 240S Series *(46 82 83 00-1508)*

46 82 83 00-1678	EA	Liquid, Gas And Steam InnovaMass Volumetric Flow Meter (Sierra 240S V)	3,693.44	69.45
46 82 83 00-1679	EA	Velocity And Temperature Sensors (Sierra 240S VT)	6,396.29	69.45
46 82 83 00-1680	EA	Velocity, Temperature And Pressure Sensors (Sierra 240S VTP)	8,077.33	69.45
46 82 83 00-1681	EA	Velocity, Temperature And 4-20 mA Input For External Pressure Sensor (Sierra 240S VTEP)	8,077.33	69.45
46 82 83 00-1682	EA	VT Meter Plus Energy Meter Package (Sierra 240S VT EMS)	7,146.16	69.45
46 82 83 00-1683	EA	VTP Meter Plus Energy Meter Package (Sierra 240S VTP EMS)	8,889.01	69.45
46 82 83 00-1684	EA	1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F2)	2,007.01	33.33
46 82 83 00-1685	EA	3/4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F3)	2,013.95	38.90
46 82 83 00-1686	EA	1" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F4)	2,038.44	58.49
46 82 83 00-1687	EA	1-1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F5)	2,126.76	72.92
46 82 83 00-1688	EA	2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F6)	2,303.58	92.60
46 82 83 00-1689	EA	3" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F7)	3,340.92	118.21
46 82 83 00-1690	EA	4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F8)	4,819.39	198.42
46 82 83 00-1691	EA	6" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F9)	7,280.90	250.91
46 82 83 00-1692	EA	8" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F10)	12,598.82	317.47
46 82 83 00-1693	EA	1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G2)	2,942.29	33.33
46 82 83 00-1694	EA	3/4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G3)	2,949.23	38.90
46 82 83 00-1695	EA	1" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G4)	2,973.72	58.49
46 82 83 00-1696	EA	1-1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G5)	3,284.54	72.92
46 82 83 00-1697	EA	2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G6)	3,601.44	92.60
46 82 83 00-1698	EA	3" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G7)	5,504.02	118.21
46 82 83 00-1699	EA	4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G8)	6,343.87	198.42
46 82 83 00-1700	EA	6" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G9)	12,221.02	250.91
46 82 83 00-1701	EA	8" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G10)	16,257.56	317.47
46 82 83 00-1702	EA	1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H2)	3,527.36	33.33
46 82 83 00-1703	EA	3/4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H3)	3,534.30	38.90
46 82 83 00-1704	EA	1" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H4)	3,558.79	58.49
46 82 83 00-1705	EA	1-1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H5)	4,149.78	72.92
46 82 83 00-1706	EA	2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H6)	4,466.68	92.60
46 82 83 00-1707	EA	3" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H7)	6,511.41	118.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1708	EA	4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H8)	13,758.17	198.42
46 82 83 00-1709	EA	6" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H9)	18,494.02	250.91
46 82 83 00-1710	EA	8" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H10)	25,785.52	317.47
46 82 83 00-1711	EA	DN15/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD2)	2,182.55	10.42
46 82 83 00-1712	EA	DN20/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD3)	2,478.56	13.89
46 82 83 00-1713	EA	DN25PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD4)	2,529.41	17.36
46 82 83 00-1714	EA	DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD5)	3,138.64	29.86
46 82 83 00-1715	EA	DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD6)	3,527.36	33.33
46 82 83 00-1716	EA	DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD7)	4,599.37	38.90
46 82 83 00-1717	EA	DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD8)	5,651.85	58.49
46 82 83 00-1718	EA	DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD9)	10,470.16	72.92
46 82 83 00-1719	EA	DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD10)	15,819.89	92.60
46 82 83 00-1720	EA	DN15/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD2)	3,342.39	10.42
46 82 83 00-1721	EA	DN20/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD3)	3,636.34	13.89
46 82 83 00-1722	EA	DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD4)	3,839.64	17.36
46 82 83 00-1723	EA	DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD5)	4,436.50	29.86
46 82 83 00-1724	EA	DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD6)	5,177.50	33.33
46 82 83 00-1725	EA	DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD7)	6,774.84	38.90
46 82 83 00-1726	EA	DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD8)	8,136.33	58.49
46 82 83 00-1727	EA	DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD9)	13,997.06	72.92
46 82 83 00-1728	EA	DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD10)	23,223.89	92.60
46 82 83 00-1729	EA	DN15/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD2)	4,195.27	10.42
46 82 83 00-1730	EA	DN20/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD3)	4,689.05	13.89
46 82 83 00-1731	EA	DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD4)	5,034.49	17.36
46 82 83 00-1732	EA	DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD5)	5,864.15	29.86
46 82 83 00-1733	EA	DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD6)	6,030.38	33.33
46 82 83 00-1734	EA	DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD7)	8,692.79	38.90
46 82 83 00-1735	EA	DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD8)	12,007.26	58.49
46 82 83 00-1736	EA	DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD9)	15,435.00	72.92
46 82 83 00-1737	EA	DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD10)	28,254.66	92.60
46 82 83 00-1738	EA	1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W2)	1,784.51	33.33
46 82 83 00-1739	EA	3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W3)	1,791.45	38.90
46 82 83 00-1740	EA	1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W4)	1,300.92	58.49
46 82 83 00-1741	EA	1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W5)	1,611.73	72.92
46 82 83 00-1742	EA	2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W6)	1,928.64	92.60
46 82 83 00-1743	EA	3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W7)	2,376.79	118.21
46 82 83 00-1744	EA	4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W8)	3,441.19	198.42
46 82 83 00-1745	EA	1" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC4)	1,815.94	58.49
46 82 83 00-1746	EA	1-1/2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC5)	1,834.22	72.92
46 82 83 00-1747	EA	2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC6)	2,011.04	92.60
46 82 83 00-1748	EA	3" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC7)	2,895.93	118.21
46 82 83 00-1749	EA	4" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC8)	3,754.32	198.42
46 82 83 00-1750	EA	6" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC9)	7,571.37	250.91
46 82 83 00-1751	EA	8" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC10)	12,009.63	317.47
46 82 83 00-1752	EA	1" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC4)	1,818.00	58.49
46 82 83 00-1753	EA	1-1/2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC5)	1,836.28	72.92
46 82 83 00-1754	EA	2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC6)	2,008.98	92.60
46 82 83 00-1755	EA	3" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC7)	2,912.41	118.21
46 82 83 00-1756	EA	4" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC8)	3,754.32	198.42
46 82 83 00-1757	EA	6" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC9)	9,748.90	250.91
46 82 83 00-1758	EA	8" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC10)	12,009.63	317.47
46 82 83 00-1759	EA	1" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC4)	2,528.74	58.49
46 82 83 00-1760	EA	1-1/2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC5)	2,839.55	72.92
46 82 83 00-1761	EA	2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC6)	3,156.46	92.60
46 82 83 00-1762	EA	3" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC7)	4,346.24	118.21
46 82 83 00-1763	EA	4" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC8)	6,343.87	198.42
46 82 83 00-1764	EA	6" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC9)	11,199.21	250.91
46 82 83 00-1765	EA	8" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC10)	14,475.57	317.47
46 82 83 00-1766	EA	Remote Electronics Explosion Proof Enclosure (Sierra 240S E4)	2,055.39	34.73
46 82 83 00-1767	EA	Digital Display With Push Buttons Option (Sierra 240S DD)	444.98	
46 82 83 00-1768	EA	No Readout Display Option (Sierra 240S NR)	442.92	
46 82 83 00-1769	EA	12-36 Volt DC Input Power (Sierra 240S PV1)	1,030.05	
46 82 83 00-1770	EA	25 Watt, 100-240 Volt AC, 50/60 Hertz Line Power (Sierra 240S PS)	1,252.54	
46 82 83 00-1771	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 240S V4M)	278.11	
46 82 83 00-1772	EA	One Analog Output (4-20 mA), One alarms, One Pulse, And BACNet (Sierra 240S V4B)	618.03	
46 82 83 00-1773	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240S V6H)	982.67	
46 82 83 00-1774	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240S V6M)	982.67	
46 82 83 00-1775	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240S V6B)	982.67	
46 82 83 00-1776	EA	High Process Temperature -40°F To 750°F (Sierra 240S HT)	2,093.06	
46 82 83 00-1777	EA	Material Certificates (Sierra 240S MC)	241.03	
46 82 83 00-1778	EA	Pressure Test Certificate (Sierra 240S PT)	119.49	
46 82 83 00-1779	EA	Certificate Of Conformance (Sierra 240S CC)	119.49	
46 82 83 00-1780	EA	NACE Certification (Sierra 240S NC)	241.03	
46 82 83 00-1781	EA	Oxygen Cleaning Service (Sierra 240S 02C)	1,337.00	
46 82 83 00-1782	EA	25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25V)	651.87	8.68
46 82 83 00-1783	EA	50' Armored Cable With Glands, Meter Only (Sierra 240S ARM50V)	1,009.04	13.89
46 82 83 00-1784	EA	25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25VTP)	1,303.21	27.78
46 82 83 00-1785	EA	50' Armored Cable With Glands, Meter only (Sierra 240S ARM50VTP)	2,301.95	41.67
46 82 83 00-1786	EA	3/4" NPT To M20 Conversion Kit (Sierra 240S M20L)	270.28	55.56
46 82 83 00-1787	EA	3/4" NPT To M20 Conversion Kit (Sierra 240S M20R)	578.46	83.33
46 82 83 00-1788	Day	Commissioning (Sierra 240S Commissioning)	3,090.15	
46 82 83 00-1789	EA	Hard Copy Instruction Manual (Sierra 240S IM)	45.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1790		InnovaMass® 241 Series *(46 82 83 00-1508)*		
46 82 83 00-1791	EA	2" Male NPT With Welded On Retractor, ANSI Packing Gland (Sierra 241 PMR) Note: Must be used for process pressures 600 PSIG or greater but can be used for lower process pressures.	3,976.87	92.60
46 82 83 00-1792	EA	2" Male NPT With Retractor, Class 600 PSIG Pressure Rating (For LE), ANSI Packing Gland (Sierra 241 PMR-LE)	6,563.78	92.60
46 82 83 00-1793	EA	2" Class 150 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241i PF) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	2,179.10	92.60
46 82 83 00-1794	EA	2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR)	4,420.25	92.60
46 82 83 00-1795	EA	2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR-LE) Note: For use with extended probe length (use LE option).	6,997.51	92.60
46 82 83 00-1796	EA	2" Class 300 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241i PG) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	2,423.37	92.60
46 82 83 00-1797	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR)	4,631.90	92.60
46 82 83 00-1798	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR-LE) Note: For use with extended probe length (use LE option).	7,238.67	92.60
46 82 83 00-1799	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR)	4,934.90	92.60
46 82 83 00-1800	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR-LE) Note: For use with extended probe length (use LE option).	7,532.75	92.60
46 82 83 00-1801	EA	Meter Cleaned For O2 Service (Includes Certification) Option (Sierra 241 O2C) Note: Required O2C (oxygen cleaning) if meter to be used for oxygen service.	1,336.80	
46 82 83 00-1802	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25V)	651.15	8.68
46 82 83 00-1803	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50V)	1,008.52	13.89
46 82 83 00-1804	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25VTP)	1,271.96	8.68
46 82 83 00-1805	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50VTP)	2,252.31	13.89
46 82 83 00-1806	EA	3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 241 M20L)	184.25	7.50
46 82 83 00-1807	EA	3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 241 M20R)	443.82	7.50
46 82 83 00-1808	EA	Additional Instruction Manual (Sierra 241-IM)	49.01	
46 82 83 00-1809	EA	Removable Retractor Transportable (Sierra 241i-RR) Note: Only available with packing gland connections PM, PF, and PG.	3,050.34	
46 82 83 00-1810	EA	Removable Retractor Transportable For Extended Length Probes (Sierra 241-LERR) Note: Only available with packing gland connections PM, PF, and PG. For use with LE only.	6,332.38	
46 82 83 00-1811	EA	2" Female NPT, Full Port Bronze Gate Valve (Sierra 241-RK1) Note: Mounting kit includes two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 125 maximum pressure: 200 PSIG at 100 Degree F; maximum temperature: 400 Degree F at 125 PSIG.	971.05	34.73
46 82 83 00-1812	EA	2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK2) Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.	2,433.30	92.60
46 82 83 00-1813	EA	2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK20) Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.	2,937.71	92.60
46 82 83 00-1814	EA	2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK3) Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.	2,983.39	92.60
46 82 83 00-1815	EA	2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK30) Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.	5,090.43	92.60
46 82 83 00-1816	EA	2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK4) Note: Use mounting accessories for pipe adapters. Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.	5,809.33	92.60
46 82 83 00-1817	EA	2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK40) Note: Use mounting accessories for pipe adapters. Class 600 Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.	10,891.24	92.60
46 82 83 00-1818	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK10) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 200 Maximum Pressure: 275 PSIG at 100 Degree F. Maximum temperature: 350 Degree F at 200 PSIG.	2,766.30	34.73
46 82 83 00-1819	EA	2" Female NPT, Full Port Carbon Steel Valve (Sierra 241-RK11) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adaptor and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature 800 Degree F at 1100 PSIG.	3,362.70	92.60
46 82 83 00-1820	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK110) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 1100 PSIG.	10,311.36	92.60
46 82 83 00-1821	EA	2" Female NPT Carbon Steel Mounting Adapter (Sierra 241-MA) Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.	248.81	92.60
46 82 83 00-1822	EA	2" Female NPT Stainless Steel Mounting Adapter (Sierra 241-MAS) Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.	324.27	92.60
46 82 83 00-1823	EA	2" Class 150 Flange Carbon Steel Mounting Adapter (Sierra 241-FMA) Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.	457.32	92.60
46 82 83 00-1824	EA	2" Class 150 Flange Stainless Steel Mounting Adapter (Sierra 241-FMAS) Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.	548.68	92.60
46 82 83 00-1825	EA	2" Class 300 Flange Carbon Steel Mounting Adapter (Sierra 241-GMA) Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	522.86	92.60
46 82 83 00-1826	EA	2" Class 300 Flange Stainless Steel Mounting Adapter (Sierra 241-GMAS) Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	705.56	92.60
46 82 83 00-1827	EA	2" Class 600 Flange Carbon Steel Mounting Adapter (Sierra 241-HMA) Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	560.59	92.60
46 82 83 00-1828	EA	2" Class 600 Flange Stainless Steel Mounting Adapter (Sierra 241-HMAS) Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	785.00	92.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1829		InnovaMass® 241i Series *(46 82 83 00-1508)*		
46 82 83 00-1830	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 241i V6DP1)	731.34	
46 82 83 00-1831	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 241i V6DP2)	901.60	
46 82 83 00-1832	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 241i V6FF)	901.60	
46 82 83 00-1833	EA	2" Class 600 lb Flange, Packing Gland (Sierra 241i PH)	2,721.25	92.37
46 82 83 00-1834	EA	DN50/PN16 Flange, Compression Fitting (Sierra 241i CFD)	1,989.07	
46 82 83 00-1835	EA	DN50/PN40 Flange, Compression Fitting (Sierra 241i CGD)	2,408.09	
46 82 83 00-1836	EA	DN50/PN64 Flange, Compression Fitting (Sierra 241i CHD)	2,769.53	
46 82 83 00-1837	EA	DN50/PN16 Flange, Packing Gland (Sierra 241i PFD)	2,093.71	92.37
46 82 83 00-1838	EA	DN50/PN40 Flange, Packing Gland (Sierra 241i PGD)	2,666.15	92.37
46 82 83 00-1839	EA	DN50/PN64 Flange, Packing Gland (Sierra 241i PHD)	3,674.48	92.37
46 82 83 00-1840	EA	Liquid, Gas And Steam InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i V) Note: No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	4,297.25	69.45
46 82 83 00-1841	EA	Velocity And Temperature Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT) Note: Mass measurement with temperature compensation. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; No Pressure Sensor- Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	7,996.98	69.45
46 82 83 00-1842	EA	Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP) Note: Mass measurement with pressure and temperature compensation and automatic flow profile compensation by calculating the Reynolds number. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	8,848.93	69.45
46 82 83 00-1843	EA	Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTEP) Note: Mass measurement with pressure temperature compensation. Excludes pressure sensor. Unit has a 4-20 mA input for an external pressure sensor. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 Degree F to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	11,413.10	69.45
46 82 83 00-1844	EA	VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	11,413.10	69.45
46 82 83 00-1845	EA	VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD.	12,006.66	69.45
46 82 83 00-1846	EA	Extended Probe Length (Sierra 241i LE) Note: Consult factory if for PMR, PFR, PGR or PHR.	581.92	
46 82 83 00-1847	EA	Remote Electronics Explosion Proof Enclosure (Sierra 241i E4) Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEx and Cable glands. Class 1, Division 1.	1,531.07	34.73
46 82 83 00-1848	EA	Digital Display With Pushbuttons Option (Sierra 241i DD)	417.04	
46 82 83 00-1849	EA	No Readout Display Option (Sierra 241i NR) Note: Display highly recommended for setup/diagnostics.	443.44	
46 82 83 00-1850	EA	12-36 Volt DC Input Power (Sierra 241i PV1)	1,029.33	
46 82 83 00-1851	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 241i PS)	981.03	
46 82 83 00-1852	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241i V4M)	901.60	
46 82 83 00-1853	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241 V4B)	618.03	
46 82 83 00-1854	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241i V6H)	901.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1855	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241i V6M)	901.60	
46 82 83 00-1856	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241i V6B)	982.54	
46 82 83 00-1857	EA	High Process Temperature, -40 To 750 Degree F (Sierra 241i HT)	2,093.86	
46 82 83 00-1858	EA	2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241i CM)	779.04	92.60
46 82 83 00-1859	EA	2" Class 150 Flange, ANSI Compression Fitting (Sierra 241i CF)	1,329.13	92.60
46 82 83 00-1860	EA	2" Class 300 Flange, ANSI Compression Fitting (Sierra 241i CG)	1,630.99	92.60
46 82 83 00-1861	EA	2" Class 600 Flange, ANSI Compression Fitting (Sierra 241i CH)	1,992.43	92.60
46 82 83 00-1862	EA	2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241i PM) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	1,660.78	92.60
46 82 83 00-1863	EA	Material Certificates Option (Sierra 241i MC) Note: US Mill certifications on all wetted parts.	293.91	
46 82 83 00-1864	EA	Pressure Test Certificate Option (Sierra 241i PT)	146.96	
46 82 83 00-1865	EA	Certificate Of Conformance Option (Sierra 241i CC)	146.96	
46 82 83 00-1866	EA	NACE Certificate Option (Sierra 241i NC)	293.91	
46 82 83 00-1867	Day	Commissioning (Sierra 241i Commissioning)	2,978.85	
46 82 83 00-1868	EA	Hard Copy Instruction Manual (Sierra 241i IM)	87.38	

46 82 83 00-1869 InnovaMass® 241S Series *(46 82 83 00-1508)*

46 82 83 00-1870	EA	Liquid, Gas And Steam InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S V)	5,646.41	69.45
46 82 83 00-1871	EA	Velocity And Temperature Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VT)	9,319.57	69.45
46 82 83 00-1872	EA	Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTP)	10,394.94	69.45
46 82 83 00-1873	EA	Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTEP)	10,176.57	69.45
46 82 83 00-1874	EA	VT Meter Plus Energy Meter Package (Sierra 241S VT MS)	10,176.57	69.45
46 82 83 00-1875	EA	VTP Meter Plus Energy Meter Package (Sierra 241S VTP EMS)	11,181.90	69.45
46 82 83 00-1876	EA	Extended Probe Length (Sierra 241S LE)	580.95	
46 82 83 00-1877	EA	Remote Electronics Explosion Proof Enclosure (Sierra 241S E4)	2,055.39	34.73
46 82 83 00-1878	EA	Digital Display With Pushbuttons Option (Sierra 241S DD)	444.98	
46 82 83 00-1879	EA	No Readout Display Option (Sierra 241S NR)	442.92	
46 82 83 00-1880	EA	12-36 Volt DC Input Power (Sierra 241S PV1)	1,030.05	
46 82 83 00-1881	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 241S PS)	1,252.54	
46 82 83 00-1882	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241S V4M)	278.11	
46 82 83 00-1883	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241S V4B)	618.03	
46 82 83 00-1884	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241S V6H)	982.67	
46 82 83 00-1885	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241S V6M)	982.67	
46 82 83 00-1886	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241S V6B)	982.67	
46 82 83 00-1887	EA	High Process Temperature -40°F To 750°F (Sierra 241S HT)	2,093.06	
46 82 83 00-1888	EA	2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241S CM)	653.44	92.60
46 82 83 00-1889	EA	2" Class 150 Flange, ANSI Compression Fitting (Sierra 241S CF)	1,098.42	92.60
46 82 83 00-1890	EA	2" Class 300 Flange, ANSI Compression Fitting (Sierra 241S CG)	1,343.57	92.60
46 82 83 00-1891	EA	2" Class 600 Flange, ANSI Compression Fitting (Sierra 241S CH)	1,636.10	92.60
46 82 83 00-1892	EA	2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PM)	1,368.29	92.60
46 82 83 00-1893	EA	2" Male NPT, 600 PSIG With Welded On Retractor, Packing Gland (Sierra 241S PMR)	3,976.38	92.60
46 82 83 00-1894	EA	2" Male NPT, Class 600 PSIG With Retractor, Packing Gland For LE (Sierra 241S PMR-LE)	6,563.86	92.60
46 82 83 00-1895	EA	2" Class 150 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PF)	1,788.55	92.60
46 82 83 00-1896	EA	2" Class 150 Flange, Packing Gland With Retractor (Sierra 241S PFR)	4,419.30	92.60
46 82 83 00-1897	EA	2" Class 150 Flange, Packing Gland With Retractor For Use With Extended Probe Length (Sierra 241S PFR LE)	6,996.48	92.60
46 82 83 00-1898	EA	2" Class 300 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PG)	1,986.32	92.60
46 82 83 00-1899	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241S PGR)	4,631.49	92.60
46 82 83 00-1900	EA	2" Class 300 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGR-LE)	7,239.58	92.60
46 82 83 00-1901	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241S PHR)	4,934.32	92.60
46 82 83 00-1902	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland For Use With Extended Probe Length (Sierra 241S PHR-LE)	7,532.11	92.60
46 82 83 00-1903	EA	DN50/PN16 Flange, Compression Fitting (Sierra 241S CFD)	1,718.51	92.60
46 82 83 00-1904	EA	DN50/PN40 Flange, Compression Fitting (Sierra 241S CGD)	2,058.42	92.60
46 82 83 00-1905	EA	DN50/PN64 Flange, Compression Fitting (Sierra 241S CHD)	2,350.96	92.60
46 82 83 00-1906	EA	DN50/PN16 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (Sierra 241S PFD)	2,373.62	92.60
46 82 83 00-1907	EA	DN50/PN16 Flange With Retractor, Packing Gland (Sierra 241S PFDR)	4,876.64	92.60
46 82 83 00-1908	EA	DN50/PN16 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PFDR-LE)	7,367.30	92.60
46 82 83 00-1909	EA	DN50/PN40 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (241S PGD)	2,666.15	92.60
46 82 83 00-1910	EA	DN50/PN40 Flange With Retractor, Packing Gland (Sierra 241S PGDR)	5,204.20	92.60
46 82 83 00-1911	EA	DN50/PN40 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGDR-LE)	7,684.56	92.60
46 82 83 00-1912	EA	DN50/PN64 Flange With Retractor, Packing Gland (Sierra 241S PHDR)	5,474.07	92.60
46 82 83 00-1913	EA	DN50/PN64 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PHDR-LE)	7,954.43	92.60
46 82 83 00-1914	EA	Material Certificates (Sierra 241S MC)	241.03	
46 82 83 00-1915	EA	Pressure Test Certificate (Sierra 241S PT)	119.49	
46 82 83 00-1916	EA	Certificate Of Conformance (Sierra 241S CC)	119.49	
46 82 83 00-1917	EA	NACE Certification (Sierra 241S NC)	241.03	
46 82 83 00-1918	EA	Oxygen Cleaning Service (Sierra 241S 02C)	1,337.00	
46 82 83 00-1919	EA	25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25V)	651.87	8.68
46 82 83 00-1920	EA	50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50V)	1,009.04	13.89
46 82 83 00-1921	EA	25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25VTP)	1,303.21	27.78
46 82 83 00-1922	EA	50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50VTP)	2,301.95	41.67
46 82 83 00-1923	EA	3/4" NPT To M20 Conversion Kit (Sierra 241S M20L)	270.28	55.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1924	EA	3/4" NPT To M20 Conversion Kit (Sierra 241S M20R)	578.46	83.33
46 82 83 00-1925	EA	Commissioning (Sierra 241S Commissioning)	3,090.15	
46 82 83 00-1926	EA	Removable Retractor Transportable (Sierra 241S RR)	4,324.15	
46 82 83 00-1927	EA	Removable Retractor TransportableFor Extended Length Probes (Sierra 241S LERR)	6,332.75	
46 82 83 00-1928	EA	2" Female NPT, Full Port Bronze Gate Valve With Mounting Kit (Sierra 241S RK1)	1,019.16	34.73
46 82 83 00-1929	EA	2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK2)	2,573.45	92.60
46 82 83 00-1930	EA	2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK20)	3,945.48	92.60
46 82 83 00-1931	EA	2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK3)	3,133.80	92.60
46 82 83 00-1932	EA	2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK30)	5,391.67	92.60
46 82 83 00-1933	EA	2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK4)	6,104.46	92.60
46 82 83 00-1934	EA	2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK40)	11,545.18	92.60
46 82 83 00-1935	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK10)	2,922.69	34.73
46 82 83 00-1936	EA	2" Female NPT, Full Port Carbon steel valve With Mounting Kit (Sierra 241S RK11)	3,531.40	92.60
46 82 83 00-1937	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK110)	10,929.21	92.60
46 82 83 00-1938		**InnovaSwitch™ 615 Series** *(46 82 83 00-1508)*		
46 82 83 00-1939	EA	InnovaSwitch™ Level Switch (Sierra 615-LS32) Note: No cost option includes: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	2,311.35	69.45
46 82 83 00-1940	EA	InnovaSwitch™ Flow Switch (Sierra 615-FS42) Note: No cost option includes: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	2,559.59	69.45
46 82 83 00-1941	EA	CSA Approved (Sierra 615 CS)	137.03	
46 82 83 00-1942	EA	1-1/2" Sanitary With 3A Stamp Mount (Sierra 615 3A1)	765.61	25.35
46 82 83 00-1943	EA	1/2" MNPT Mount (Sierra 615 50)	249.98	14.79
46 82 83 00-1944	EA	1" MNPT Mount (Sierra 615 100)	265.24	22.43
46 82 83 00-1945	EA	1" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA1)	651.00	58.49
46 82 83 00-1946	EA	2" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA2)	830.67	92.60
46 82 83 00-1947	EA	1" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB1)	815.83	58.49
46 82 83 00-1948	EA	2" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB2)	967.70	92.60
46 82 83 00-1949	EA	Low Flow Sensor Mount (Sierra 615 LFS)	2,130.81	34.73
46 82 83 00-1950	EA	304 Stainless Steel Material Option (Sierra 615 S4)	687.12	
46 82 83 00-1951	EA	304L Stainless Steel Material Option (Sierra 615 SL)	687.12	
46 82 83 00-1952	EA	Hastalloy® C Material Option (Sierra 615 HC)	1,318.64	
46 82 83 00-1953	EA	Iconel 600 Material Option (Sierra 615 IO)	1,127.99	
46 82 83 00-1954	EA	Monel Material Option (Sierra 615 MN)	1,127.99	
46 82 83 00-1955	EA	Alloy 20 Material Option (Sierra 615 A2)	1,127.99	
46 82 83 00-1956	EA	Special Probe Insertion Base Cost (Sierra 615 xxx.xx) Note: 1/2" to 120" in 1/4" increments. Use task for Special Probe Insertion Length Cost in addition to this task.	329.66	
46 82 83 00-1957	IN	Special Probe Insertion Length Cost (Sierra 615 xxx.xx) Note: Use task for Special Probe Insertion Length Base Cost in addition to this task.	19.86	
46 82 83 00-1958	EA	24 Volt DC Power Input (Sierra 615 24D) Note: Not available with MT or HT switch (615-FS42).	248.24	
46 82 83 00-1959	EA	Remote Electronics (25' Of Cable) (Sierra 615 RE) Note: MT and HT option must be RE. RE adder is included in the MT and HT price.	963.16	
46 82 83 00-1960	EA	Potted Cable (Not Explosion Proof) (Sierra 615 PC)	220.43	
46 82 83 00-1961	EA	Calibration Option (Sierra 615 CB) Note: Air and water only, all others consult factory.	413.07	
46 82 83 00-1962	EA	Extended Neck Option (Sierra 615 EN)	254.20	
46 82 83 00-1963	EA	Explosion Proof Window Option (Sierra 615 XW)	385.26	
46 82 83 00-1964	EA	3/4" NPT Variable Insertion, With Teflon Ferrules Option (Sierra 615 VI) Note: 15 PSIG max, >3" pipe ID required.	550.09	
46 82 83 00-1965	EA	Live (Hot) Tap Option (Sierra 615 LT)	1,237.22	
46 82 83 00-1966	EA	Double Sided Option (Sierra 615 DS)	550.09	
46 82 83 00-1967	EA	Medium Temperature Option (Sierra 615 MT) Note: Includes RE with 3" EN.	1,292.82	
46 82 83 00-1968	EA	High Temperature Option (Sierra 615 HT) Note: Includes RE with 6" EN.	2,198.39	
46 82 83 00-1969	EA	RTD Output Option (Sierra 615 RTD)	385.26	
46 82 83 00-1970	EA	Thermocouple Output Option (Sierra 615 TO)	385.26	
46 82 83 00-1971	EA	Additional Cable Option (Sierra 615 CA)	43.69	
46 82 83 00-1972	EA	Stainless Steel Tag Option (Sierra 615 TG)	87.38	
46 82 83 00-1973	EA	CE Approval Option (Sierra 615 CE)	220.43	
46 82 83 00-1974	EA	Oxygen Cleaning Option (Sierra 615 O2 Cleaning)	687.12	
46 82 83 00-1975	EA	Additional Instruction Manual (Sierra 615-IM)	87.38	
46 82 83 00-1976		**FastFlo™ 620S / BoilerTrak™ 620S-BT** *(46 82 83 00-1508)*		
46 82 83 00-1977	EA	FastFlo™ Insertion Mass Flow Meter (Sierra 620S) Note: 18-30 Volt DC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 176 Degree F and pressures up to 120 PSIG. 200 msec response. CE approved. 4-20 mA, 0-10 Volt DC or 0-5 Volt DC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.	4,251.58	69.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1978	EA	BoilerTrak™ Insertion Mass Flow Meter (Sierra 620S-BT) Note: Optimized for natural gas and propane. 15-18 Volt DC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 100F and pressures up to 30 PSIG real gas calibration and 120 PSIG correlation. 200 msec response. CE approved. 4-20 mA and 0-5 Volt DC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.	4,251.58	69.45
46 82 83 00-1979	EA	6" Probe Length (Sierra 620 L06)	65.53	
46 82 83 00-1980	EA	9" Probe Length (Sierra 620 L09)	109.22	
46 82 83 00-1981	EA	13" Probe Length (Sierra 620 L13)	174.76	
46 82 83 00-1982	EA	Special Probe Insertion Base Cost (Sierra 620 L) Note: Specify length in parentheses, 24" maximum, 3.7" minimum. Use modifier for Special Probe Insertion Length Cost in addition to this task.	283.98	
46 82 83 00-1983	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 620)	10.30	
46 82 83 00-1984	EA	Compression Fitting For 3/8" Probe Feed Through By 1/2" Male NPT Mounting Accessory (Sierra 620 M1)	176.03	7.50
46 82 83 00-1985	EA	3/8" Probe Feed Through By 1/2" Male NPT Compression Fitting With Weld-O-Let Mounting Accessory (Sierra 620 M1-M2) Note: 1/2" Female NPT. Welds to pipe, specify pipe O.D. in parentheses.	450.08	7.50
46 82 83 00-1986	EA	Flat Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M3)	668.53	7.50
46 82 83 00-1987	EA	Curved Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M4) Note: Specify duct O.D. in parentheses.	712.22	7.50
46 82 83 00-1988	EA	Conex (Viton® Compression Fitting) Packing Gland Mounting Accessory (Sierra 620 M6) Note: Can be used with customer supplied ball valve for live insertion or removal up to product maximum pressures. Compression fitting for 3/8" probe feed through By 1/2" male NPT.	559.31	7.50
46 82 83 00-1989	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 620 EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,054.46	34.73
46 82 83 00-1990	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 620)	6.95	
46 82 83 00-1991	EA	0-10 Volt DC, Linear Output (Sierra 620 V3)	109.22	
46 82 83 00-1992	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 620 DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	218.45	
46 82 83 00-1993	EA	Argon Calibration (Sierra 620 1)	1,008.84	
46 82 83 00-1994	EA	Carbon Dioxide Gas Calibration (Sierra 620 2)	1,008.84	
46 82 83 00-1995	EA	Helium Calibration (Sierra 620 6)	1,008.84	
46 82 83 00-1996	EA	Nitrogen Calibration (Sierra 620 10)	1,008.84	
46 82 83 00-1997	EA	Methane (Natural Gas) Calibration (1.0% Full Scale) (Sierra 620 8) Note: For BoilerTrak only.	1,177.64	
46 82 83 00-1998	EA	Propane Calibration (1.0% Full Scale) (Sierra 620 12) Note: For BoilerTrak only.	1,177.64	
46 82 83 00-1999	EA	Totalizer Pulse Output (1 Hertz Max) Digital Communication (Sierra 620 Pulse)	266.11	
46 82 83 00-2000	EA	Modbus Communications Protocol Digital Communication Option (Sierra 620 MB)	762.59	
46 82 83 00-2001	EA	Material Certificate Option (Sierra 620 MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2002	EA	Certificate Of Conformance Option (Sierra 620 CC)	133.06	
46 82 83 00-2003	EA	NACE Certificate For Sour Gas Option (Sierra 620 NACE)	133.06	
46 82 83 00-2004	EA	Leak Test Certificate (Sierra 620 LT)	133.06	
46 82 83 00-2005	EA	Pressure Test Certificate Option (Sierra 620 PT)	266.11	
46 82 83 00-2006	EA	24 Volt DC Power Supply For 620S (Sierra 620 100-T10F US) Note: Supplied with fly leads, 1.5 Amps, 110-230 VAC, CE approved.	266.11	
46 82 83 00-2007	EA	15 Volt DC Power Supply (Sierra 620 900-T1) Note: For BoilerTrak only.	182.70	
46 82 83 00-2008	EA	Additional Instruction Manual (Sierra 620S-IM)	87.38	
46 82 83 00-2009	EA	1-Year Extended Warranty (Sierra 620 W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	
46 82 83 00-2010	EA	2-Year Extended Warranty (Sierra 620 W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	

46 82 83 00-2011 AirTrak™ 628S Series *(46 82 83 00-1508)*

46 82 83 00-2012	EA	Inline Mass Flow Meter, 1" Flow Body Tube (Sierra 628S BW1)	8,562.16	92.60
46 82 83 00-2013	EA	Inline Mass Flow Meter, 1-1/2" Flow Body Tube (Sierra 628S BW1.5)	9,077.19	92.60
46 82 83 00-2014	EA	Inline Mass Flow Meter, 2" Flow Body Tube (Sierra 628S BW2)	9,386.20	92.60
46 82 83 00-2015	EA	Inline Mass Flow Meter, 3" Flow Body Tube (Sierra 628S BW3)	9,901.23	92.60
46 82 83 00-2016	EA	Inline Mass Flow Meter, 4" Flow Body Tube (Sierra 628S BW4)	11,600.81	92.60
46 82 83 00-2017	EA	Inline Mass Flow Meter, 6" Flow Body Tube (Sierra 628S BW6)	12,651.46	92.60
46 82 83 00-2018	EA	Inline Mass Flow Meter, 8" Flow Body Tube (Sierra 628S BW8)	14,093.53	92.60
46 82 83 00-2019	EA	Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 628S EN4)	1,091.26	34.73
46 82 83 00-2020	EA	0-10 Volt DC, Linear Output Power (Sierra 628S V3)	113.31	
46 82 83 00-2021	EA	2 x 12 Digit, Backlit, LCD Digital Display (Sierra 628S DD)	226.61	
46 82 83 00-2022	EA	Argon Calibration (Sierra 628S-1)	817.86	
46 82 83 00-2023	EA	Carbon Dioxide Calibration (Sierra 628S-2)	817.86	
46 82 83 00-2024	EA	Helium Calibration (Sierra 628S-6)	817.86	
46 82 83 00-2025	EA	Nitrogen Option (Sierra 628S-10)	817.86	
46 82 83 00-2026	EA	Totalizer Pulse Output (Sierra 628S PULSE)	216.31	
46 82 83 00-2027	EA	Modbus Communications Protocol (Sierra 628S MB)	618.03	
46 82 83 00-2028	EA	Material Certificates (Sierra 628S MC)	216.31	
46 82 83 00-2029	EA	Certificate Of Conformance (Sierra 628S CC)	109.19	
46 82 83 00-2030	EA	Leak Test Certificate (Sierra 628S LT)	109.19	
46 82 83 00-2031	EA	Pressure Test Certificate (Sierra 628S PT)	216.31	
46 82 83 00-2032	EA	24 Volt DC Power Supply For 620S Only (Sierra 628S 100-T10F)	216.31	
46 82 83 00-2033	EA	1-Year Extended Warranty (Sierra 628S W1)	269.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2034	EA	2-Year Extended Warranty (Sierra 628S W2)	432.62	
46 82 83 00-2035		**QuadraTherm® 640i** *(46 82 83 00-1508)*		
46 82 83 00-2036	EA	High Pressure Hot-Tap With Removable Retractor Kit (Sierra 640i L( )M9)	5,205.04	
46 82 83 00-2037	EA	3/4" Conax Fitting, 1" Male NPT, Assembly With Sensor Shield (Sierra 640i S1)	1,252.39	7.50
46 82 83 00-2038	EA	1" Female NPT Weldolet, Assembly (Sierra 640i S2)	265.40	7.50
46 82 83 00-2039	EA	Sensor Shield, Captured Conax Fitting Plus Weldolet, Assembly (Sierra 640i S1 -S2)	1,524.46	7.50
46 82 83 00-2040	EA	Low Pressure Hot Tap Assembly With Sensor Shield , Ball Valve And Packing Gland With Conax Fitting Plus Weldolet (Sierra 640i S1 -S8)	2,589.61	
46 82 83 00-2041	EA	High Pressure Hot-Tap With Removable Retractor Kit Assembly (Sierra 640i S9)	7,705.29	
46 82 83 00-2042	EA	Ammonia Calibration (Sierra 640i-14)	391.22	
46 82 83 00-2043	EA	qMix License (Sierra 640i qMix)	695.06	
46 82 83 00-2044	Day	Commissioning (Sierra 640i Commissioning)	3,090.15	
46 82 83 00-2045	EA	QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VT) Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/- 10.0% or 100-240 Volt AC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 Volt DC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; No Readout Display - Code NR; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.	6,237.48	69.45
46 82 83 00-2046	EA	Pressure Output Version QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VTP) Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 Degree F to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/- 10.0% or 100-240 Volt AC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 Volt DC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; Three Linear 4-20mA Outputs For Mass Flow Velocity, Temperature And Pressure - Code V6; No Readout Display - Code NR; 30 PSIA - Code MP1; 100 PSIA - Code MP2; 300 PSIA - Code MP3; 500 PSIA - Code MP4; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.	7,174.82	69.45
46 82 83 00-2047	EA	cFMus Approval (Sierra 640i 2) Note: Process Temperature Range: -40 to 392 Degree F. Class I, Division 1, Groups B, C, and D T3C Ta = -40 to 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.	135.04	
46 82 83 00-2048	EA	ATEX And IECEx Approval (Sierra 640i 3) Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 to 140 Degree F. Process Temperature Range: -40 to 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.	135.04	
46 82 83 00-2049	EA	6" Probe Length (Sierra 640i L06)	208.52	
46 82 83 00-2050	EA	8-1/2" Probe Length (Sierra 640i L09)	299.87	
46 82 83 00-2051	EA	12" Probe Length (Sierra 640i L13)	432.93	
46 82 83 00-2052	EA	17-1/2" Probe Length (Sierra 640i L18)	478.60	
46 82 83 00-2053	EA	21-1/2" Probe Length (Sierra 640i L24)	575.91	
46 82 83 00-2054	EA	36" Probe Length (Sierra 640i L36)	768.54	
46 82 83 00-2055	EA	48" Probe Length (Sierra 640i L48)	923.44	
46 82 83 00-2056	EA	Special Probe Insertion Base Cost (Sierra 640i L x) Note: Specify length in parentheses; 72" maximum. 48" maximum for FM. Use modifier for Special Probe Insertion Length Cost in addition to this task.	919.47	
46 82 83 00-2057	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640i)	19.86	
46 82 83 00-2058	EA	High Pressure Hot-Tap Retractor Kit Base Cost (Sierra 640i M9) Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21". Use modifier for High-Pressure Hot-Tap Retractor Kit Probe Length Cost in addition to this task.	4,975.14	
46 82 83 00-2059	IN	For High Pressure Hot-Tap Retractor Kit Probe Length Cost, Add Per Inch (Sierra 640i)	20.60	
46 82 83 00-2060	EA	Probe With 1", ANSI Class 150 Flange (Sierra 640i L( )M5) Note: Includes M5 option diagram with ADS.	1,449.71	
46 82 83 00-2061	EA	3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640i M1)	728.11	7.50
46 82 83 00-2062	EA	1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640i M2)	591.08	7.50
46 82 83 00-2063	EA	3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640i M1-M2) Note: Threads into 1" Female NPT, which is welded to the pipe.	1,309.98	7.50
46 82 83 00-2064	EA	Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M3)	1,309.98	7.50
46 82 83 00-2065	EA	Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M4) Note: Specify duct O.D. in parentheses.	1,752.83	7.50
46 82 83 00-2066	EA	Low Pressure Hot Tap Mounting Accessory (Sierra 640i M8) Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.	2,569.75	
46 82 83 00-2067	EA	Quick Removal Hot Tap Mounting Accessory (Sierra 640i M15) Note: Includes ball valve and compression fitting rated for 40 PSIG.	2,287.76	
46 82 83 00-2068	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640i E2)	1,334.52	
46 82 83 00-2069	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 640i E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	2,432.67	34.73
46 82 83 00-2070	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640i)	22.66	
46 82 83 00-2071	EA	100–240 Volt AC Input Power (Sierra 640i P3)	438.88	
46 82 83 00-2072	EA	Digital Display (Sierra 640i DD) Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.	395.19	
46 82 83 00-2073	EA	Argon Calibration (Sierra 640i 1A)	1,008.84	
46 82 83 00-2074	EA	Carbon Dioxide Calibration (Sierra 640i 2A)	1,008.84	
46 82 83 00-2075	EA	Digester Gas Calibration (Sierra 640i 4A)	1,175.65	
46 82 83 00-2076	EA	Helium Calibration (Sierra 640i 6A)	1,008.84	
46 82 83 00-2077	EA	Hydrogen Calibration (Sierra 640i 7A)	3,167.51	
46 82 83 00-2078	EA	Methane Calibration (Sierra 640i 8A)	1,175.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2079	EA	Nitrogen Calibration (Sierra 640i 10A)	1,008.84	
46 82 83 00-2080	EA	Propane Calibration (Sierra 640i 12A)	1,175.65	
46 82 83 00-2081	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640i DP1) Note: Available in E2/E4-P2 NAA only.	762.59	
46 82 83 00-2082	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640i DP2) Note: Available in E2/E4-P2 configuration only.	762.59	
46 82 83 00-2083	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640i FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	762.59	
46 82 83 00-2084	EA	Modbus RTU Full Device Description Digital Communication Option (Sierra 640i MB)	762.59	
46 82 83 00-2085	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640i HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	762.59	
46 82 83 00-2086	EA	Material Certificate Option (Sierra 640i MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2087	EA	Certificate Of Conformance Option (Sierra 640i CC)	133.06	
46 82 83 00-2088	EA	NACE Certificate For Sour Gas Option (Sierra 640i NACE)	133.06	
46 82 83 00-2089	EA	Leak Test Certificate Option (Sierra 640i LT)	133.06	
46 82 83 00-2090	EA	Pressure Test Certificate Option (Sierra 640i PT)	266.11	
46 82 83 00-2091	EA	Two Point Pressure Sensor Calibration Certificate Option (Sierra 640i PC)	266.11	
46 82 83 00-2092	EA	Two Point Temperature Sensor Calibration Certificate Option (Sierra 640i TC)	266.11	
46 82 83 00-2093	EA	Cleaned For O2 Service (Includes Certification) Option (Sierra 640i O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	1,040.61	
46 82 83 00-2094	EA	Additional Instruction Manual (Sierra 640i / 780i-IM)	43.69	
46 82 83 00-2095	EA	1-Year Extended Warranty (Sierra 640i W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2096	EA	2-Year Extended Warranty (Sierra 640i W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	

46 82 83 00-2097 SteelMass® 640S *(46 82 83 00-1508)*

46 82 83 00-2098	EA	Ammonia Calibration (Sierra 640S-14)	317.26	
46 82 83 00-2099	EA	Steel Mass Industrial Insertion Mass Flow Meter (Sierra 640S) Note: 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure to 500 PSIG. HT option to 750 Degree F available (contact factory). CE, FM, CSA, ATEX approvals. Linear 0-5 Volt DC, 0-10 Volt DC or 4-20 mA output signals. Lifetime warranty on Fast Response (FR) sensor. No cost options include: Non-Agency Approved Meter - Code NAA; 640S With FM Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code FM; 640S With CSA Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code 0.	5,963.67	69.45
46 82 83 00-2100	EA	640S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra 640S ATEX) Note: Requires E2 or E3 enclosure. E3 required for probe lengths >13". Maximum probe length is 36". ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for actual values.	648.93	
46 82 83 00-2101	EA	6" Probe Length (Sierra 640S L06)	151.42	
46 82 83 00-2102	EA	9" Probe Length (Sierra 640S L09)	216.31	
46 82 83 00-2103	EA	13" Probe Length (Sierra 640S L13)	313.65	
46 82 83 00-2104	EA	18" Probe Length (Sierra 640S L18)	346.10	
46 82 83 00-2105	EA	24 Probe Length (Sierra 640S L24)	389.36	
46 82 83 00-2106	EA	36" Probe Length (Sierra 640S L36)	519.15	
46 82 83 00-2107	EA	Special Probe Insertion Base Cost (Sierra 640S L) Note: Specify length in parentheses. Maximum probe length 72". Minimum length 6". Use modifier for Special Probe Insertion Length Cost in addition to this task.	410.99	
46 82 83 00-2108	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S)	20.60	
46 82 83 00-2109	EA	1", Class 150 Flange Special Probe Insertion Base Cost (Sierra 640S L( )M5) Note: Specify length in parentheses. Includes M5 option Diagram With ADS. Use modifier for Special Probe Insertion Length Cost in addition to this task.	1,297.86	
46 82 83 00-2110	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S)	20.60	
46 82 83 00-2111	EA	High Pressure Hot-Tap Retractor Kit (Sierra 640S L( )M9) Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21".	3,296.16	
46 82 83 00-2112	EA	3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640S M1)	465.45	7.50
46 82 83 00-2113	EA	1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640S M2)	378.93	7.50
46 82 83 00-2114	EA	3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640S M1-M2) Note: Threads into 1" Female NPT, which is welded to the pipe.	833.18	7.50
46 82 83 00-2115	EA	Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M3)	833.18	7.50
46 82 83 00-2116	EA	Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M4) Note: Specify duct O.D. in parentheses.	1,114.38	7.50
46 82 83 00-2117	EA	Low Pressure Hot Tap Mounting Accessory (Sierra 640S M8) Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.	1,627.48	
46 82 83 00-2118	EA	Quick Removal Hot Tap Mounting Accessory (Sierra 640S M15) Note: Includes ball valve and compression fitting rated for 40 PSIG.	1,449.28	
46 82 83 00-2119	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640S E2)	699.34	
46 82 83 00-2120	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 640S E3) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.	1,367.31	34.73
46 82 83 00-2121	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2122	EA	Remote Hazardous-Area Location Enclosure (IP66) With Junction Box (Sierra 640S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,622.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2123	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2124	EA	Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 640S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,023.15	
46 82 83 00-2125	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2126	EA	100–240 Volt AC Input Power (Sierra 640S P3) Note: Not available with EN enclosures.	324.47	
46 82 83 00-2127	EA	0-10 Vol tDC, Linear Output (Sierra 640S V3)	129.79	
46 82 83 00-2128	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 640S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	216.31	
46 82 83 00-2129	EA	Argon Calibration (Sierra 640S 1)	817.65	
46 82 83 00-2130	EA	Carbon Dioxide Calibration (Sierra 640S 2)	817.65	
46 82 83 00-2131	EA	Chlorine Correlation Calibration (Sierra 640S 3)	317.98	
46 82 83 00-2132	EA	Digester Gas Calibration (Sierra 640S 4)	953.93	
46 82 83 00-2133	EA	Digester Gas Correlation Calibration (Sierra 640S 5)	317.98	
46 82 83 00-2134	EA	Helium Calibration (Sierra 640S 6)	817.65	
46 82 83 00-2135	EA	Hydrogen Calibration (Sierra 640S 7)	2,566.53	
46 82 83 00-2136	EA	Methane Correlation Calibration (Sierra 640S 8)	953.93	
46 82 83 00-2137	EA	Methane Calibration (Sierra 640S 9)	317.98	
46 82 83 00-2138	EA	Nitrogen Calibration (Sierra 640S 10)	817.65	
46 82 83 00-2139	EA	Oxygen Correlation Calibration (Sierra 640S 11)	317.98	
46 82 83 00-2140	EA	Propane Calibration (Sierra 640S 12)	953.93	
46 82 83 00-2141	EA	Propane Correlation Calibration (Sierra 640S 13)	317.98	
46 82 83 00-2142	EA	Totalizer Pulse Output Digital Communication (Sierra 640S Pulse) Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.	216.31	
46 82 83 00-2143	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640S DP1) Note: Available in E2/E4-P2 NAA only.	618.03	
46 82 83 00-2144	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640S DP2) Note: Available in E2/E4-P2 configuration only.	618.03	
46 82 83 00-2145	EA	Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 640S MB)	618.03	
46 82 83 00-2146	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640S FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	618.03	
46 82 83 00-2147	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	618.03	
46 82 83 00-2148	EA	Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 640S PURGE) Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Excludes on/off valve. NAA only. Only a 24 Volt DC power input is available when ordering an internal purge option.	1,514.17	
46 82 83 00-2149	EA	High Temperature Option (Sierra 640S HT) Note: HT option to 750 Degree F. Requires remote (E4 or EN4). Contact factory for probe length (limited lengths available). Overall accuracy of HT may be de-rated due to temperature and velocity conditions.	2,595.73	
46 82 83 00-2150	EA	Material Certificate Option (Sierra 640S MC) Note: US Mill certifications on all wetted parts.	216.31	
46 82 83 00-2151	EA	Certificate Of Conformance Option (Sierra 640S CC)	108.16	
46 82 83 00-2152	EA	NACE Certificate For Sour Gas Option (Sierra 640S NACE)	108.16	
46 82 83 00-2153	EA	Leak Test Certificate Option (Sierra 640S LT)	108.16	
46 82 83 00-2154	EA	Pressure Test Certificate Option (Sierra 640S PT)	216.31	
46 82 83 00-2155	EA	Cleaned For O2 Service (Includes Certification) Option (Sierra 640S O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	843.61	
46 82 83 00-2156	EA	Additional Instruction Manual (Sierra 640S-IM)	45.32	
46 82 83 00-2157	EA	1-Year Extended Warranty (Sierra 640S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	
46 82 83 00-2158	EA	2-Year Extended Warranty (Sierra 640S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	

46 82 83 00-2159 QuadraTherm® 780i *(46 82 83 00-1508)*

46 82 83 00-2160	EA	DN50, PN16, DIN Flange Flow Body (Sierra 780i FD6)	1,618.47	33.33
46 82 83 00-2161	EA	DN80, PN16, DIN Flange Flow Body (Sierra 780i FD7)	2,894.40	38.90
46 82 83 00-2162	EA	DN100, PN16, DIN Flange Flow Body (Sierra 780i FD8)	5,180.83	58.49
46 82 83 00-2163	EA	DN150, PN16, DIN Flange Flow Body (Sierra 780i FD9)	9,341.70	72.92
46 82 83 00-2164	EA	DN200, PN16, DIN Flange Flow Body (Sierra 780i FD10)	20,560.59	92.60
46 82 83 00-2165	EA	DN25, PN40, DIN Flange Flow Body (Sierra 780i GD4)	1,303.32	17.36
46 82 83 00-2166	EA	DN 40, PN40, DIN Flange Flow Body (Sierra 780i GD5)	1,650.74	29.86
46 82 83 00-2167	EA	DN50, PN40, DIN Flange Flow Body (Sierra 780i GD6)	2,091.12	33.33
46 82 83 00-2168	EA	DN80, PN40, DIN Flange Flow Body (Sierra 780i GD7)	3,597.41	38.90
46 82 83 00-2169	EA	DN100, PN40, DIN Flange Flow Body (Sierra 780i GD8)	5,726.96	58.49
46 82 83 00-2170	EA	DN150, PN40, DIN Flange Flow Body (Sierra 780i GD9)	10,376.36	72.92
46 82 83 00-2171	EA	DN200, PN40, DIN Flange Flow Body (Sierra 780i GD10)	21,239.77	92.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2172	EA	Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VT) Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/-10% or 100-240 Volt AC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 Volt DC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0.	10,985.76	69.45
46 82 83 00-2173	EA	Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VTP) Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/-10% or 100-240 Volt AC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 Volt DC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0. Add a Pressure output To the 640i VT version; three 4-20 mA linear outputs for mass flow velocity, Temperature, And Pressure; includes Pressure Sensor To 500 psig (34.5 barg).	12,187.23	69.45
46 82 83 00-2174	EA	cFMus Approvals (Sierra 780i 2) Note: Process temperature range: -40 To 392 Degree F. Class I, Division 1, Groups B, C, and D. T3C Ta = -40 To 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.	135.04	
46 82 83 00-2175	EA	ATEX And IECEx Approvals (Sierra 780i 3) Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 To 140 Degree F. Process temperature range: -40 To 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.	133.06	
46 82 83 00-2176	EA	1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N2)	613.61	33.33
46 82 83 00-2177	EA	3/4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N3)	620.55	38.90
46 82 83 00-2178	EA	2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N6)	449.38	92.60
46 82 83 00-2179	EA	3" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N7)	719.70	118.21
46 82 83 00-2180	EA	4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N8)	1,534.89	198.42
46 82 83 00-2181	EA	6" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N9)	3,068.08	250.91
46 82 83 00-2182	EA	8" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N10)	7,845.96	317.47
46 82 83 00-2183	EA	1/2" ANSI Class 150 Flange 316 Stainless Steel, 1-1/2" NPT Male 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F2)	643.40	33.33
46 82 83 00-2184	EA	3/4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F3)	650.34	38.90
46 82 83 00-2185	EA	1" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F4)	674.83	58.49
46 82 83 00-2186	EA	1-1/2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F5)	693.11	72.92
46 82 83 00-2187	EA	2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F6)	1,430.42	92.60
46 82 83 00-2188	EA	3" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F7)	2,518.92	118.21
46 82 83 00-2189	EA	4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F8)	4,503.81	198.42
46 82 83 00-2190	EA	6" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F9)	8,020.92	250.91
46 82 83 00-2191	EA	8" ANSI Class 150 Flange, 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F10)	17,433.89	317.47
46 82 83 00-2192	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780i E2)	883.67	34.73
46 82 83 00-2193	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780i E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,852.79	34.73
46 82 83 00-2194	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780i)	21.84	
46 82 83 00-2195	EA	100–240 Volt AC Input Power (Sierra 780i P3)	401.15	
46 82 83 00-2196	EA	Digital Display (Sierra 780i DD) Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.	333.63	
46 82 83 00-2197	EA	Argon Calibration (Sierra 780i 1A)	1,008.84	
46 82 83 00-2198	EA	Carbon Dioxide Calibration (Sierra 780i 2A)	1,008.84	
46 82 83 00-2199	EA	Digester Gas Calibration (Sierra 780i 4A)	1,177.64	
46 82 83 00-2200	EA	Helium Calibration (Sierra 780i 6A)	1,008.84	
46 82 83 00-2201	EA	Hydrogen Calibration (Sierra 780i 7A)	3,167.51	
46 82 83 00-2202	EA	Methane Calibration (Sierra 780i 8A)	1,177.64	
46 82 83 00-2203	EA	Nitrogen Calibration (Sierra 780i 10A)	1,008.84	
46 82 83 00-2204	EA	Propane Calibration (Sierra 780i 12A)	1,177.64	
46 82 83 00-2205	EA	Ammonia Calibration (Sierra 780i-14)	391.22	
46 82 83 00-2206	EA	qMix License (Sierra 780i qMix)	893.66	
46 82 83 00-2207	Day	Commissioning (Sierra 780i Commissioning)	2,978.85	
46 82 83 00-2208	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780i DP1) Note: Available in E2/E4-P2 NAA only.	762.59	
46 82 83 00-2209	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780i DP2) Note: Available in E2/E4-P2 configuration only.	762.59	
46 82 83 00-2210	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780i FF) Note: Available E2/ E4–P2 configuration only; FM approval available.	762.59	
46 82 83 00-2211	EA	Modbus RTU Full Device Description Digital Communication Option (Sierra 780i MB)	762.59	
46 82 83 00-2212	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 780i HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	762.59	
46 82 83 00-2213	EA	Material Certificate Option (Sierra 780i MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2214	EA	Certificate Of Conformance Option (Sierra 780i CC)	133.06	
46 82 83 00-2215	EA	NACE Certificate For Sour Gas Option (Sierra 780i NACE)	133.06	
46 82 83 00-2216	EA	Leak Test Certificate Option (Sierra 780i LT)	133.06	
46 82 83 00-2217	EA	Pressure Test Certificate Option (Sierra 780i PT)	266.11	
46 82 83 00-2218	EA	Two Point Pressure Sensor Calibration Certificate Option (Sierra 780i PC)	266.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2219	EA	Two Point Temperature Sensor Calibration Certificate Option (Sierra 780i TC)	266.11	
46 82 83 00-2220	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780i O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	1,040.61	
46 82 83 00-2221	EA	Additional Instruction Manual (Sierra 640i / 780i-IM)	87.38	
46 82 83 00-2222	EA	1-Year Extended Warranty (Sierra 780i W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2223	EA	2-Year Extended Warranty (Sierra 780i W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	
46 82 83 00-2224		**FlatTrak™ 780S and 780S Ultra High Purity Series** *(46 82 83 00-1508)* Note: All 316 stainless steel construction. UHP 5-10 RA available. 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure To 500 PSIG. CE, FM, CSA, ATEX approvals. Linear 0-5 Volt DC or 4-20 mA output signals. Lifetime warranty on non-UHP Fast Response (FR) Sensor. No cost options include: Non-Agency Approved Meter - Code NAA; FM Approval - Code FM; CSA Approval - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code 0.		
46 82 83 00-2225	EA	1/4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW1)	9,578.76	85.63
46 82 83 00-2226	EA	1/4" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR1)	10,388.38	85.63
46 82 83 00-2227	EA	1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW2)	10,629.54	87.37
46 82 83 00-2228	EA	1/2" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR2)	11,008.60	87.37
46 82 83 00-2229	EA	1" Outside Diameter, Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW4)	13,878.04	93.60
46 82 83 00-2230	EA	1" Outside Diameter Tube, UHP, Male VCR Fittings (Sierra 780S UHP-VCR4)	14,829.80	93.60
46 82 83 00-2231	EA	1-1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW5)	14,251.31	98.69
46 82 83 00-2232	EA	2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW6)	16,401.47	112.19
46 82 83 00-2233	EA	3" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW7)	17,376.33	119.96
46 82 83 00-2234	EA	4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW8)	18,482.89	154.92
46 82 83 00-2235	EA	DN50, PN16, DIN Flange Flow Body (Sierra 780S FD6)	9,443.97	33.33
46 82 83 00-2236	EA	DN80, PN16, DIN Flange Flow Body (Sierra 780S FD7)	9,675.46	38.90
46 82 83 00-2237	EA	DN100, PN16, DIN Flange Flow Body (Sierra 780S FD8)	10,849.48	58.49
46 82 83 00-2238	EA	DN150, PN16, DIN Flange Flow Body (Sierra 780S FD9)	13,661.26	72.92
46 82 83 00-2239	EA	DN200, PN16, DIN Flange Flow Body (Sierra 780S FD10)	18,638.11	92.60
46 82 83 00-2240	EA	DN25, PN40, DIN Flange Flow Body (Sierra 780S GD4)	8,998.13	17.36
46 82 83 00-2241	EA	DN40, PN40, DIN Flange Flow Body (Sierra 780S GD5)	9,088.21	29.86
46 82 83 00-2242	EA	DN50, PN40, DIN Flange Flow Body (Sierra 780S GD6)	9,909.55	33.33
46 82 83 00-2243	EA	DN80, PN40, DIN Flange Flow Body (Sierra 780S GD7)	10,394.43	38.90
46 82 83 00-2244	EA	DN100, PN40, DIN Flange Flow Body (Sierra 780S GD8)	11,521.08	58.49
46 82 83 00-2245	EA	DN150, PN40, DIN Flange Flow Body (Sierra 780S GD9)	14,911.74	72.92
46 82 83 00-2246	EA	DN200, PN40, DIN Flange Flow Body (Sierra 780S GD10)	20,034.86	92.60
46 82 83 00-2247	EA	Ammonia Calibration (Sierra 780S-14)	317.26	
46 82 83 00-2248	EA	Hard Copy Instruction Manual (Sierra 780S IM)	45.32	
46 82 83 00-2249	EA	780S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra ATEX) Note: Requires E2 or E3 enclosure. ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for details.	648.93	
46 82 83 00-2250	EA	1/4" NPT Female 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N1)	9,269.75	85.63
46 82 83 00-2251	EA	1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N2)	9,271.94	87.37
46 82 83 00-2252	EA	3/4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N3)	9,279.73	93.60
46 82 83 00-2253	EA	1" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N4)	8,830.79	98.69
46 82 83 00-2254	EA	1-1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N5)	8,847.66	112.19
46 82 83 00-2255	EA	2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N6)	9,119.02	119.96
46 82 83 00-2256	EA	3" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N7)	9,356.37	154.92
46 82 83 00-2257	EA	4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N8)	9,939.65	166.68
46 82 83 00-2258	EA	6" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N9)	12,055.59	180.04
46 82 83 00-2259	EA	8" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N10)	15,879.60	195.25
46 82 83 00-2260	EA	1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F2)	9,313.87	102.78
46 82 83 00-2261	EA	3/4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F3)	9,320.80	108.34
46 82 83 00-2262	EA	1" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F4)	9,345.30	127.93
46 82 83 00-2263	EA	1-1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F5)	9,363.57	142.37
46 82 83 00-2264	EA	2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F6)	9,956.52	162.05
46 82 83 00-2265	EA	3" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F7)	10,826.99	187.65
46 82 83 00-2266	EA	4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F8)	12,427.02	267.87
46 82 83 00-2267	EA	6" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F9)	16,171.97	320.36
46 82 83 00-2268	EA	8" ANSI Class 150 Flange, 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F10)	22,740.37	386.92
46 82 83 00-2269	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780S E2)	768.79	34.73
46 82 83 00-2270	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 780S E3) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.	1,367.31	34.73
46 82 83 00-2271	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S)	7.21	
46 82 83 00-2272	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,691.78	34.73
46 82 83 00-2273	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S)	7.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2274	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 780S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,092.60	34.73
46 82 83 00-2275	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 780S)	7.21	
46 82 83 00-2276	EA	100–240 Volt AC Input Power (Sierra 780S P3) Note: Not available with EN enclosures.	324.47	
46 82 83 00-2277	EA	0-10 Volt DC, Linear Output (Sierra 780S V3)	129.79	
46 82 83 00-2278	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 780S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	216.31	
46 82 83 00-2279	EA	Argon Calibration (Sierra 780S 1)	817.65	
46 82 83 00-2280	EA	Carbon Dioxide Calibration (Sierra 780S 2)	817.65	
46 82 83 00-2281	EA	Chlorine Correlation Calibration (Sierra 780S 3)	317.98	
46 82 83 00-2282	EA	Digester Gas Calibration (Sierra 780S 4)	953.93	
46 82 83 00-2283	EA	Digester Gas Correlation Calibration (Sierra 780S 5)	317.98	
46 82 83 00-2284	EA	Helium Calibration (Sierra 780S 6)	817.65	
46 82 83 00-2285	EA	Hydrogen Calibration (Sierra 780S 7)	2,566.53	
46 82 83 00-2286	EA	Methane Calibration (Sierra 780S 8)	953.93	
46 82 83 00-2287	EA	Methane Correlation Calibration (Sierra 780S 9)	317.98	
46 82 83 00-2288	EA	Nitrogen Calibration (Sierra 780S 10)	817.65	
46 82 83 00-2289	EA	Oxygen Correlation Calibration (Sierra 780S 11)	317.98	
46 82 83 00-2290	EA	Propane Calibration (Sierra 780S 12)	953.93	
46 82 83 00-2291	EA	Propane Correlation Calibration (Sierra 780S 13)	317.98	
46 82 83 00-2292	EA	Totalizer Pulse Output Digital Communication (Sierra 780S Pulse) Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.	216.31	
46 82 83 00-2293	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780S DP1) Note: Available in E2/E4-P2 NAA only.	618.03	
46 82 83 00-2294	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780S DP2) Note: Available in E2/E4-P2 configuration only.	618.03	
46 82 83 00-2295	EA	Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 780S MB)	618.03	
46 82 83 00-2296	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780S FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	618.03	
46 82 83 00-2297	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 780S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	618.03	
46 82 83 00-2298	EA	Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 780S PURGE) Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Excludes on/off valve. NAA only. For 780S only (not available for UHP models).	1,514.17	
46 82 83 00-2299	EA	Material Certificate Option (Sierra 780S MC) Note: US Mill certifications on all wetted parts.	216.31	
46 82 83 00-2300	EA	Certificate Of Conformance Certificate Option (Sierra 780S CC)	108.16	
46 82 83 00-2301	EA	NACE Certificate For Sour Gas Option (Sierra 780S NACE)	108.16	
46 82 83 00-2302	EA	Leak Test Certificate Option (Sierra 780S LT)	108.16	
46 82 83 00-2303	EA	Pressure Test Certificate Option (Sierra 780S PT)	216.31	
46 82 83 00-2304	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780S O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	843.61	
46 82 83 00-2305	EA	Additional Instruction Manual (Sierra 780S-IM)	87.38	
46 82 83 00-2306	EA	1-Year Extended Warranty (Sierra 780S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	
46 82 83 00-2307	EA	2-Year Extended Warranty (Sierra 780S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	

46 82 83 00-2308 FlowTrak™ Flow Conditioners *(46 82 83 00-1508)*

46 82 83 00-2309	EA	1" FlowTrak™ Flow Conditioner (Sierra Flo-1)	1,941.83	58.49
46 82 83 00-2310	EA	1-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-1.5)	1,985.93	72.92
46 82 83 00-2311	EA	2" FlowTrak™ Flow Conditioner (Sierra Flo-2)	2,063.92	92.60
46 82 83 00-2312	EA	2-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-2.5)	2,119.65	105.40
46 82 83 00-2313	EA	3" FlowTrak™ Flow Conditioner (Sierra Flo-3)	2,163.45	118.21
46 82 83 00-2314	EA	4" FlowTrak™ Flow Conditioner (Sierra Flo-4)	2,464.29	198.42
46 82 83 00-2315	EA	5" FlowTrak™ Flow Conditioner (Sierra Flo-5)	2,816.82	224.67
46 82 83 00-2316	EA	6" FlowTrak™ Flow Conditioner (Sierra Flo-6)	3,197.17	250.91
46 82 83 00-2317	EA	8" FlowTrak™ Flow Conditioner (Sierra Flo-8)	3,625.92	317.47
46 82 83 00-2318	EA	10" FlowTrak™ Flow Conditioner (Sierra Flo-10)	4,036.93	388.91
46 82 83 00-2319	EA	12 " FlowTrak™ Flow Conditioner (Sierra Flo-12)	4,486.32	471.98
46 82 83 00-2320	EA	14" FlowTrak™ Flow Conditioner (Sierra Flo-14)	4,938.35	555.59
46 82 83 00-2321	EA	16" FlowTrak™ Flow Conditioner (Sierra Flo-16)	5,355.33	611.14
46 82 83 00-2322	EA	18" FlowTrak™ Flow Conditioner (Sierra Flo-18)	5,784.21	677.82
46 82 83 00-2323	EA	20" FlowTrak™ Flow Conditioner (Sierra Flo-20)	6,239.39	763.93
46 82 83 00-2324	EA	22" FlowTrak™ Flow Conditioner (Sierra Flo-22)	6,695.44	850.74
46 82 83 00-2325	EA	24" FlowTrak™ Flow Conditioner (Sierra Flo-24)	7,151.48	937.54
46 82 83 00-2326	EA	30" FlowTrak™ Flow Conditioner (Sierra Flo-30)	10,131.45	1,527.86
46 82 83 00-2327	EA	38" FlowTrak™ Flow Conditioner (Sierra Flo-38)	12,472.51	2,291.78
46 82 83 00-2328	EA	Material Certificate (Sierra Flo MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2329	EA	Certificate Of Conformance Certificate Option (Sierra Flo CC)	133.06	
46 82 83 00-2330	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra Flo O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	1,040.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2331	EA	1-Year Extended Warranty (Sierra Flo W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2332	EA	2-Year Extended Warranty (Sierra Flo W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	
46 82 83 00-2333		**ChlorineTrak™ 760 Series** *(46 82 83 00-1508)* Note: Specially designed flow body manufactured from Kynar® polyvinylidene fluoride resin. 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 6" long Hastelloy® probe. Includes "Smart Electronics" with PC configuration software. Application limits: 15 to 90 Degree F and 120 PSIG. CE approvals. Linear 0-5 Volt DC or 4-20 mA output signals. Modbus optional. No cost options include: Non-Agency Approved Meter - Code NAA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Vol tDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Chlorine Correlation Calibration - Code 3.		
46 82 83 00-2334	EA	1" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K4) Note: Maximum flow 20 SCFM.	14,838.04	127.93
46 82 83 00-2335	EA	1-1/2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K5) Note: Maximum flow 45 SCFM.	14,989.37	142.37
46 82 83 00-2336	EA	2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K6) Note: Maximum flow 75 SCFM.	15,130.90	162.05
46 82 83 00-2337	EA	3" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K7) Note: Maximum flow 175 SCFM.	15,663.36	187.65
46 82 83 00-2338	EA	4" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K8) Note: Maximum flow 300 SCFM.	16,430.89	267.87
46 82 83 00-2339	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 760S E2)	1,455.30	320.36
46 82 83 00-2340	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 760S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	2,071.24	34.73
46 82 83 00-2341	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 760S)	10.92	
46 82 83 00-2342	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 760S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,332.48	34.73
46 82 83 00-2343	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 760S)	10.92	
46 82 83 00-2344	EA	100–240 Volt AC Input Power (Sierra 760S P3) Note: Not available with EN enclosures.	401.15	
46 82 83 00-2345	EA	0-10 Volt DC, Linear Output (Sierra 760S V3)	160.86	
46 82 83 00-2346	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 760S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	266.11	
46 82 83 00-2347	EA	Totalizer Pulse Output Digital Communication Option (Sierra 760S Pulse) Note: Only available with E2/E4 enclosures with DD. Available on all EN2 enclosures.	266.11	
46 82 83 00-2348	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 760S DP1) Note: Available in E2/E4-P2 NAA only.	762.59	
46 82 83 00-2349	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 760S DP2) Note: Available in E2/E4-P2 configuration only.	762.59	
46 82 83 00-2350	EA	Modbus RTU With Full Device Description (P2 Only) Digital Communication Option (Sierra 760S MB)	762.59	
46 82 83 00-2351	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 760S FF) Note: Available E2/ E4–P2 configuration only; FM approval available.	762.59	
46 82 83 00-2352	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 760S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	762.59	
46 82 83 00-2353	EA	1-Year Extended Warranty (Sierra 760S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2354	EA	2-Year Extended Warranty (Sierra 760S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	
46 82 83 00-2355		**Start Up And Training** *(46 82 83 00-1508)*		
46 82 83 00-2356	DAY	Sierra Instruments Start Up And Training	2,307.62	
46 82 83 00-2357		**Flow Equipment (Toshiba)** *(46 82 83 00-0099)*		
46 82 83 00-2358		**Integral Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654)** *(46 82 83 00-2357)*		
46 82 83 00-2359	EA	1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DL1FCCAAF2)	5,286.14	36.20
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2360	EA	1" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EL1FCCAAF2)	5,565.44	56.92
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2361	EA	1-1/4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SL1FCCAAF2)	5,640.13	65.58
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2362	EA	1-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FL1FCCAAF2)	5,668.17	83.08
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2363	EA	2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GL1FCCAAF2)	5,826.01	100.56
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2364	EA	2-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WL1FCCAAF2)	6,420.43	109.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2365	EA	3" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HL1FCCAAF2)	6,439.66	128.37
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2366	EA	4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1FCCAAF2)	6,911.11	215.48
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2367	EA	6" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1FCCAAF2)	7,958.85	272.49
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2368	EA	8" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1FCCAAF2)	9,345.03	344.78
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2369	EA	10" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1FCCAAF2)	12,635.16	422.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2370	EA	12" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1FCCAAF2)	14,457.02	511.95
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2371	EA	14" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1FCCAAF2)	18,590.55	603.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2372	EA	16" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1FCCAAF2)	22,660.51	663.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2373	EA	18" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1FCCAAF2)	27,841.52	736.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	

46 82 83 00-2374 Remote Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

46 82 83 00-2375	EA	1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DM1FCAAF)	3,178.66	36.20
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2376	EA	1" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EM1FCAAF)	3,457.95	56.92
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2377	EA	1-1/4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SM1FCAAF)	3,532.65	65.58
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2378	EA	1-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FM1FCAAF)	3,560.69	83.08
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2379	EA	2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GM1FCAAF)	3,718.52	100.56
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2380	EA	2-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WM1FCAAF)	4,312.95	109.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2381	EA	3" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HM1FCAAF)	4,332.18	128.37
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2382	EA	4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JM1FCAAF)	4,803.63	215.48
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2383	EA	6" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KM1FCAAF)	5,851.37	272.49
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2384	EA	8" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LM1FCAAF)	7,237.55	344.78
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2385	EA	10" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654MM1FCAAF)	10,527.68	422.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2386	EA	12" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NM1FCAAF)	12,349.54	511.95
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2387	EA	14" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PM1FCAAF)	16,483.06	603.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2388	EA	16" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QM1FCAAF)	20,553.03	663.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2389	EA	18" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RM1FCAAF)	25,734.03	736.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2390 Integral Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

46 82 83 00-2391	EA	4" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF2)	6,441.41	215.48
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2392	EA	6" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF2)	7,136.87	272.49
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2393	EA	8" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF2)	7,808.20	344.78
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2394	EA	10" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF2)	10,632.74	422.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2395	EA	12" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF2)	12,580.27	511.95
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2396	EA	14" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF2)	15,871.21	603.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2397	EA	16" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF2)	18,085.03	663.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2398	EA	18" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF2)	22,069.12	736.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

46 82 83 00-2399 Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

46 82 83 00-2400	EA	4" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF)	4,333.93	215.48
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2401	EA	6" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF)	5,029.39	272.49
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2402	EA	8" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF)	5,700.72	344.78
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2403	EA	10" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF)	8,525.26	422.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2404	EA	12" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF)	10,472.79	511.95
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2405	EA	14" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF)	13,763.73	603.36
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2406	EA	16" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF)	15,977.55	663.70
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2407	EA	18" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF)	19,961.63	736.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2408 Remote Type, Chloroprene Liner, Electromagnetic Flow Meter (Toshiba LF450) *(46 82 83 00-2357)*

46 82 83 00-2409	EA	20" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4505MCBEJAAB)	22,779.57	854.54
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2410	EA	24" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4506MCBEJAAB)	27,758.51	1,048.76
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2411		Remote Type, Natural Rubber Liner, Electromagnetic Flow Meter (Toshiba LF664) *(46 82 83 00-2357)*		
46 82 83 00-2412	EA	20" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66450BCKNBAF)	18,288.56	854.54
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2413	EA	24" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66460BCKNBAF)	22,787.49	1,048.76
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2414	EA	28" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66470BCKNBAF)	29,339.30	1,378.92
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2415	EA	30" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66475BCKNBAF)	33,182.06	1,709.09
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2416	EA	32" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66480BCKNBAF)	36,964.07	1,993.94
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2417	EA	36" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66490BCKNBAF)	44,186.45	2,278.79
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2418	EA	40" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A0BCKNBAF)	60,007.33	2,848.47
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2419	EA	42" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A1BCKNBAF)	67,682.60	3,418.17
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2420	EA	48" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A2BCKNBAF)	85,400.51	4,272.72
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2421	EA	54" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A3BCKNBAF)	105,238.25	5,127.26
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2422	EA	60" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A5BCKNBAF)	129,523.13	6,152.70
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2423	EA	66" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A7BCKNBAF)	149,059.74	6,767.98
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2424	EA	72" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A8BCKNBAF)	172,840.14	7,383.25
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2425	EA	78" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A9BCKNBAF)	196,688.41	8,054.45
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2426 Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LC664) *(46 82 83 00-2357)*

46 82 83 00-2427	EA	20" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66450BCKEBAF)	20,177.67	854.54
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2428	EA	24" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66460BCKEBAF)	26,030.09	1,048.76
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2429	EA	28" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66470BCKEBAF)	36,154.11	1,378.92
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2430	EA	30" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66475BCKEBAF)	41,270.01	1,709.09
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2431	EA	32" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66480BCKEBAF)	45,692.72	1,993.94
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2432	EA	36" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66490BCKEBAF)	55,310.99	2,278.79
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2433	EA	40" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A0BCKEBAF)	73,496.86	2,848.47
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2434	EA	42" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A1BCKEBAF)	81,172.13	3,418.17
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2435	EA	48" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A2BCKEBAF)	104,200.98	4,272.72
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2436	EA	54" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A3BCKEBAF)	128,424.67	5,127.26
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2437	EA	60" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A5BCKEBAF)	158,516.98	6,152.70
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2438	EA	66" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A7BCKEBAF)	181,718.51	6,767.98
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2439	EA	72" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A8BCKEBAF)	212,344.62	7,383.25
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2440	EA	78" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A9BCKEBAF)	247,072.27	8,054.45
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2441		**Microwave Density/Consistency Meter (Toshiba LQ500)** *(46 82 83 00-2357)*		
46 82 83 00-2442	EA	2" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A05CCAA)	48,538.06	100.56
		For Teflon PFA Coating For Sticky Application (LQ500A05CCBA), Add	*3,708.18*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2443	EA	3" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A08CCAA)	48,572.83	128.37
		For Teflon PFA Coating For Sticky Application (LQ500A08CCBA), Add	*4,120.20*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2444	EA	4" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A10CCAA)	49,711.75	215.48
		For Teflon PFA Coating For Sticky Application (LQ500A10CCBA), Add	*4,532.22*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2445	EA	6" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A15CCAA)	49,783.00	272.49
		For Teflon PFA Coating For Sticky Application (LQ500A15CCBA), Add	*5,768.28*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2446	EA	8" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A20CCAA)	50,903.43	344.78
		For Teflon PFA Coating For Sticky Application (LQ500A20CCBA), Add	*7,004.34*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2447	EA	10" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A25CCAA)	51,515.43	422.36
		For Teflon PFA Coating For Sticky Application (LQ500A25CCBA), Add	*7,828.38*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2448	EA	12" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A30CCAA)	52,142.43	511.95
		For Teflon PFA Coating For Sticky Application (LQ500A30CCBA), Add	*9,476.46*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2449	EA	LQ500 Programming Software (Toshiba 3Y8A1606Z002)	1,236.06	
46 82 83 00-2450	EA	RS232 Hart Modem For Density Meter (Toshiba VIATORRS232HART)	1,648.08	
46 82 83 00-2451		**Toshiba Cable** *(46 82 83 00-2357)*		
46 82 83 00-2452	LF	Toshiba Cable 2A	5.15	
46 82 83 00-2453	LF	Toshiba Cable 3A	5.15	
46 82 83 00-2454		**Grounding Ring Material Options** *(46 82 83 00-2357)*		
46 82 83 00-2455	EA	For 316L Stainless Steel Grounding Ring, Add On 1/2" Meter	939.41	
46 82 83 00-2456	EA	For 316L Stainless Steel Grounding Ring, Add On 1" Meter	1,011.51	
46 82 83 00-2457	EA	For 316L Stainless Steel Grounding Ring, Add On 1-1/2" Meter	1,019.75	
46 82 83 00-2458	EA	For 316L Stainless Steel Grounding Ring, Add On 2" Meter	1,139.24	
46 82 83 00-2459	EA	For 316L Stainless Steel Grounding Ring, Add On 3" Meter	1,652.20	
46 82 83 00-2460	EA	For 316L Stainless Steel Grounding Ring, Add On 4" Meter	2,039.50	
46 82 83 00-2461	EA	For 316L Stainless Steel Grounding Ring, Add On 6" Meter	3,261.14	
46 82 83 00-2462	EA	For 316L Stainless Steel Grounding Ring, Add On 8" Meter	4,311.79	
46 82 83 00-2463	EA	For 316L Stainless Steel Grounding Ring, Add On 10" Meter	5,924.85	
46 82 83 00-2464	EA	For 316L Stainless Steel Grounding Ring, Add On 12" Meter	6,658.24	
46 82 83 00-2465	EA	For 316L Stainless Steel Grounding Ring, Add On 14" Meter	7,820.14	
46 82 83 00-2466	EA	For 316L Stainless Steel Grounding Ring, Add On 16" Meter	8,860.49	
46 82 83 00-2467	EA	For Titanium (Ti) Grounding Ring, Add On 1/2" Meter	1,198.98	
46 82 83 00-2468	EA	For Titanium (Ti) Grounding Ring, Add On 1" Meter	1,726.36	
46 82 83 00-2469	EA	For Titanium (Ti) Grounding Ring, Add On 1-1/2" Meter	2,179.59	
46 82 83 00-2470	EA	For Titanium (Ti) Grounding Ring, Add On 2" Meter	2,402.08	
46 82 83 00-2471	EA	For Titanium (Ti) Grounding Ring, Add On 3" Meter	3,234.36	
46 82 83 00-2472	EA	For Titanium (Ti) Grounding Ring, Add On 4" Meter	3,572.21	
46 82 83 00-2473	EA	For Titanium (Ti) Grounding Ring, Add On 6" Meter	5,069.91	
46 82 83 00-2474	EA	For Titanium (Ti) Grounding Ring, Add On 8" Meter	6,310.09	
46 82 83 00-2475	EA	For Titanium (Ti) Grounding Ring, Add On 10" Meter	8,940.83	
46 82 83 00-2476	EA	For Titanium (Ti) Grounding Ring, Add On 12" Meter	9,832.86	
46 82 83 00-2477	EA	For Titanium (Ti) Grounding Ring, Add On 14" Meter	11,724.03	
46 82 83 00-2478	EA	For Titanium (Ti) Grounding Ring, Add On 16" Meter	13,458.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2479	EA	For Hastelloy C Grounding Ring, Add On 1/2" Meter	1,893.23	
46 82 83 00-2480	EA	For Hastelloy C Grounding Ring, Add On 1" Meter	2,395.90	
46 82 83 00-2481	EA	For Hastelloy C Grounding Ring, Add On 1-1/2" Meter	2,867.66	
46 82 83 00-2482	EA	For Hastelloy C Grounding Ring, Add On 2" Meter	3,156.07	
46 82 83 00-2483	EA	For Hastelloy C Grounding Ring, Add On 3" Meter	7,387.52	
46 82 83 00-2484	EA	For Hastelloy C Grounding Ring, Add On 4" Meter	9,264.27	
46 82 83 00-2485	EA	For Hastelloy C Grounding Ring, Add On 6" Meter	11,040.08	
46 82 83 00-2486	EA	For Hastelloy C Grounding Ring, Add On 8" Meter	17,875.49	
46 82 83 00-2487	EA	For Hastelloy C Grounding Ring, Add On 10" Meter	24,710.90	
46 82 83 00-2488	EA	For Hastelloy C Grounding Ring, Add On 12" Meter	31,018.93	
46 82 83 00-2489	EA	For Hastelloy C Grounding Ring, Add On 14" Meter	38,909.11	
46 82 83 00-2490	EA	For Hastelloy C Grounding Ring, Add On 16" Meter	47,320.50	

46 82 83 00-2491 Coating Options *(46 82 83 00-2357)*

46 82 83 00-2492	EA	For 0.5mm Epoxy Coating Option, Add	2,101.30	
46 82 83 00-2493	EA	For Epoxy Coat and Potting of Glands Submersible Option, Add	3,337.36	
46 82 83 00-2494	EA	For Potting of Glands Submersible Option, Add	1,236.06	

46 82 83 00-2495 Start Up And Training *(46 82 83 00-2357)*

46 82 83 00-2496	DAY	Toshiba Start Up And Training	2,307.62	

46 82 83 00-2497 Flow Equipment (Yokogawa) *(46 82 83 00-0099)*

46 82 83 00-2498 Magnetic Flow Meters For Raw Sewage *(46 82 83 00-2497)*

46 82 83 00-2499	EA	12" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	20,804.75	472.25
46 82 83 00-2500	EA	14" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	27,166.79	555.59
46 82 83 00-2501	EA	16" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	33,815.88	611.14
46 82 83 00-2502	EA	20" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	47,842.56	763.93
46 82 83 00-2503	EA	24" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	53,655.36	937.54
46 82 83 00-2504	EA	28" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	65,738.53	1,232.70
46 82 83 00-2505	EA	36" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	86,190.93	2,037.15
46 82 83 00-2506	EA	40" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	112,285.22	2,546.44
46 82 83 00-2507	EA	44" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	123,975.90	3,437.68
46 82 83 00-2508	EA	48" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	135,383.57	3,819.65
46 82 83 00-2509	EA	54" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	131,588.22	4,583.58

46 82 83 00-2510 Magnetic Flow Meters For Chlorine Service *(46 82 83 00-2497)*

46 82 83 00-2511	EA	1" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	10,995.71	52.09
46 82 83 00-2512	EA	2" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	11,876.09	92.60
46 82 83 00-2513	EA	3" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	12,753.62	118.06
46 82 83 00-2514	EA	4" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	14,129.85	198.42
46 82 83 00-2515	EA	6" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	16,393.80	250.91
46 82 83 00-2516	EA	8" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	20,197.27	319.47
46 82 83 00-2517	EA	10" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	24,990.70	388.91
46 82 83 00-2518	EA	12" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	27,553.49	472.25

46 82 83 00-2519 Flow Equipment (E+H) *(46 82 83 00-0099)*

46 82 83 00-2520	EA	12", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-AALHP2DUA12GA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	15,676.97	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,162.64*	
46 82 83 00-2521	EA	14", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	15,636.63	603.36
		For Grounding Disc/Protection Disc Pair, Add	*2,043.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2522	EA	16", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	17,451.45	663.70
		For Grounding Disc/Protection Disc Pair, Add	*2,547.43*	
46 82 83 00-2523	EA	18", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	18,519.98	736.10
		For Grounding Disc/Protection Disc Pair, Add	*2,839.67*	
46 82 83 00-2524	EA	20", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	19,565.08	829.63
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2525	EA	24", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	22,041.03	1,018.17
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2526	EA	30", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	26,074.59	1,659.25
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	
46 82 83 00-2527	EA	36", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	32,133.57	2,212.34
		For Grounding Disc/Protection Disc Pair, Add	*6,530.06*	
46 82 83 00-2528	EA	48", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	62,087.53	4,148.12
		For Grounding Disc/Protection Disc Pair, Add	*8,207.61*	
46 82 83 00-2529	EA	42", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	41,421.91	3,318.51
		For Grounding Disc/Protection Disc Pair, Add	*8,750.51*	
46 82 83 00-2530	EA	54", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-AALHP2DHW1KGA) Note: Non-hazardous area; Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Remote Housing: aluminum, coated; Remote Version: 30' coil + signal cable; Electrical Connection: 1/2" NPT; Process Connection: Class D, carbon steel, flange AWWA C207; Calibration Flow: 0.5%.	75,545.85	4,977.75
		For Grounding Disc/Protection Disc Pair, Add	*5,469.29*	
46 82 83 00-2531	EA	1", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,198.71	56.92
		For Grounding Disc/Protection Disc Pair, Add	*1,021.19*	
46 82 83 00-2532	EA	1-1/2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P40-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,242.63	83.07
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2533	EA	2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,264.50	100.57
		For Grounding Disc/Protection Disc Pair, Add	*1,248.04*	
46 82 83 00-2534	EA	3", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,214.49	128.38
		For Grounding Disc/Protection Disc Pair, Add	*1,458.16*	
46 82 83 00-2535	EA	4", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,919.24	215.48
		For Grounding Disc/Protection Disc Pair, Add	*1,752.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2536	EA	6", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1F-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	12,834.47	272.49
		For Grounding Disc/Protection Disc Pair, Add	*2,592.70*	
46 82 83 00-2537	EA	8", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	14,999.92	344.78
		For Grounding Disc/Protection Disc Pair, Add	*3,474.95*	
46 82 83 00-2538	EA	10", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2F-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	20,749.45	422.36
		For Grounding Disc/Protection Disc Pair, Add	*4,273.35*	
46 82 83 00-2539	EA	12", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P3H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	26,170.87	511.95
		For Grounding Disc/Protection Disc Pair, Add	*4,651.40*	
46 82 83 00-2540	EA	4", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,750.75	215.48
		For Grounding Disc/Protection Disc Pair, Add	*575.80*	
46 82 83 00-2541	EA	6", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1F-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	12,672.49	272.49
		For Grounding Disc/Protection Disc Pair, Add	*819.52*	
46 82 83 00-2542	EA	8", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	14,837.96	344.78
		For Grounding Disc/Protection Disc Pair, Add	*869.92*	
46 82 83 00-2543	EA	10", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2F-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	20,587.49	422.36
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	
46 82 83 00-2544	EA	12", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P3H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	26,008.91	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2545	EA	Flow And Energy Computer For Gases, Liquids And Steam (E+H RMC621-A31AAA1BA1) Note: Differential pressure calculation DIN 5167; Basic Ffunctions: Slot A + E:1x RS232 + 1x RS485.3x LPS = loop power supply; Input A: 2x 0/4-20mA/PFM/pulse; Output A: 1x relay; Input E: 2x Pt100/500/1000; Output E: 2x 0/4-20mA/pulse; Calculation formula IAPWS-IF97; Real gas formula, NX19, OIML R117; Approval: UL listed, CSA GP.:: max. 3x Application:: max. 4 Media / instrument:: intrinsically safe inputs. Approval: Non-hazardous area; Operation: Panel 144x72mm; RS485 Power Supply: 90-250VAC; Slot B: Not selected; Slot C: Not selected; Slot D: Not selected; Software: basic version operation; Language: english; Communication: 1x RS232 + 1x RS485 + 1x Modbus; Additional Option: basic version.	4,049.43	75.42
46 82 83 00-2546	EA	FM NI Class I, Division 2/CSA, Class I, Division 2, ABCD + Zone 2, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00RCBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	14,846.64	75.42
46 82 83 00-2547	EA	FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2C, 8" To 24" Pipe, Clamp On, 2 Channel/2 Set, Ultrasonic Flow Meter (E+H 93PA2-EB2B00RCBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', --4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4XB; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Outputs: 4-20mA HART + frequency.	20,943.61	75.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2548	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone , t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBABA) Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test, Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	9,884.71	75.42
46 82 83 00-2549	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone, t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBACA) Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test, Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: gas (customer specific); Outputs: 4-20mA HART + frequency.	9,878.82	75.42
46 82 83 00-2550	EA	2", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P50-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	9,889.12	100.57
		For Grounding Disc/Protection Disc Pair, Add	*1,878.33*	
46 82 83 00-2551	EA	3", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P80-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	10,838.53	128.38
		For Grounding Disc/Protection Disc Pair, Add	*2,508.63*	
46 82 83 00-2552	EA	4", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	11,542.95	215.48
		For Grounding Disc/Protection Disc Pair, Add	*2,319.44*	
46 82 83 00-2553	EA	6", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1F-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	13,464.71	272.49
		For Grounding Disc/Protection Disc Pair, Add	*4,735.39*	
46 82 83 00-2554	EA	8", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	15,630.16	344.78
		For Grounding Disc/Protection Disc Pair, Add	*5,449.72*	
46 82 83 00-2555	EA	10", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2F-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	21,379.69	422.36
		For Grounding Disc/Protection Disc Pair, Add	*8,170.73*	
46 82 83 00-2556	EA	12", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P3H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	26,801.05	511.95
		For Grounding Disc/Protection Disc Pair, Add	*6,953.74*	
46 82 83 00-2557	EA	12", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3H-53K3/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	15,372.79	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,162.64*	
46 82 83 00-2558	EA	14", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3F-2J75/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	18,632.79	603.36
		For Grounding Disc/Protection Disc Pair, Add	*2,043.85*	
46 82 83 00-2559	EA	16", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4H-3JH0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	20,721.87	663.70
		For Grounding Disc/Protection Disc Pair, Add	*2,547.43*	
46 82 83 00-2560	EA	18", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4F-1XC3/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	21,937.17	736.10
		For Grounding Disc/Protection Disc Pair, Add	*2,841.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2561	EA	24", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C6H-3453/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	25,998.35	1,018.17
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2562	EA	30", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C7F-1DQ4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	31,432.08	1,659.25
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	
46 82 83 00-2563	EA	36", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C9H-1PC4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	38,781.15	2,212.34
		For Grounding Disc/Protection Disc Pair, Add	*6,534.09*	
46 82 83 00-2564	EA	FM XP Class I, Division 1, ABCD / CSA Class I, Division 1, ABCD + Zone 1, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00NGBAAA) ..... Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', --4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	16,340.12	75.42
46 82 83 00-2565	EA	Portable Ultrasonic Flow Meter (E+H 93TA1-2FQ2/0) ..... Note: P Sensor set 1/2" to 2-1/2"/6MHz: not selected; P Sensor set 2" to 12"/2MHz: -40 to 176 degree F + installation set; P Sensor set 4" to 160"/1MHz: not selected; Sensor Cable: 30', PTFE, -40 to 338 degree F; Approval: Non-hazardous area; Operation language: WEA = EN; Accessory: rechargable battery pack, 93T, 4000 mAh.	11,493.03	75.42
46 82 83 00-2566	EA	2", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C50-57J2/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,268.11	100.57
		For Grounding Disc/Protection Disc Pair, Add	*408.02*	
46 82 83 00-2567	EA	3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C80-5550/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,539.46	128.38
		For Grounding Disc/Protection Disc Pair, Add	*508.90*	
46 82 83 00-2568	EA	4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1H-6XL4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,920.44	215.48
		For Grounding Disc/Protection Disc Pair, Add	*576.17*	
46 82 83 00-2569	EA	6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1F-2LT0/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	7,922.85	272.49
		For Grounding Disc/Protection Disc Pair, Add	*819.00*	
46 82 83 00-2570	EA	8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2H-5X15/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	8,927.01	344.78
		For Grounding Disc/Protection Disc Pair, Add	*870.47*	
46 82 83 00-2571	EA	10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2F-45W4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	11,548.00	422.36
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	
46 82 83 00-2572	EA	12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-2K37/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	14,114.95	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2573	EA	14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2316/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	15,636.63	603.36
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2574	EA	16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38M9/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	17,451.45	663.70
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2575	EA	18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-21N0/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	18,519.98	736.10
		For Grounding Disc/Protection Disc Pair, Add	*2,844.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2576	EA	20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PD4/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	19,565.08	829.63
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2577	EA	24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U50/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	22,041.03	1,018.17
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2578	EA	30", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-1H05/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	26,074.59	1,659.25
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	
46 82 83 00-2579	EA	36", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1NL0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	32,151.66	2,212.34
		For Grounding Disc/Protection Disc Pair, Add	*6,534.09*	
46 82 83 00-2580	EA	1", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C25-18U6/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,511.94	56.92
		For Grounding Disc/Protection Disc Pair, Add	*313.06*	
46 82 83 00-2581	EA	1-1/2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C40-16P1/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,544.63	83.07
		For Grounding Disc/Protection Disc Pair, Add	*344.56*	
46 82 83 00-2582	EA	2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C50-1955/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,566.50	100.57
		For Grounding Disc/Protection Disc Pair, Add	*407.51*	
46 82 83 00-2583	EA	3", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C80-16X5/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,800.58	128.38
		For Grounding Disc/Protection Disc Pair, Add	*508.27*	
46 82 83 00-2584	EA	4", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C1H-17T7/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	5,125.39	215.48
		For Grounding Disc/Protection Disc Pair, Add	*575.47*	
46 82 83 00-2585	EA	3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S80-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	10,135.79	128.38
		For Grounding Disc/Protection Disc Pair, Add	*508.27*	
46 82 83 00-2586	EA	4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	10,518.34	215.48
		For Grounding Disc/Protection Disc Pair, Add	*575.47*	
46 82 83 00-2587	EA	6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	11,516.02	272.49
		For Grounding Disc/Protection Disc Pair, Add	*819.00*	
46 82 83 00-2588	EA	8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	13,766.80	344.78
		For Grounding Disc/Protection Disc Pair, Add	*870.47*	
46 82 83 00-2589	EA	10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	16,427.95	422.36
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2590	EA	12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	19,005.54	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2591	EA	14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	25,681.65	603.36
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2592	EA	16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	31,491.50	663.70
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2593	EA	18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	32,741.89	736.10
		For Grounding Disc/Protection Disc Pair, Add	*2,844.69*	
46 82 83 00-2594	EA	20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S5H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	33,983.71	829.63
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2595	EA	24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S6H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	36,942.79	1,018.17
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2596	EA	12", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-4A43/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	14,328.08	511.95
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2597	EA	14", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2D14/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	15,975.53	603.36
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2598	EA	16", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38N4/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	17,832.28	663.70
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2599	EA	20", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PE0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	19,980.86	829.63
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2600	EA	24", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U66/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	22,495.21	1,018.17
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2601	EA	28", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7H-1JK0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	24,328.14	1,338.71
		For Grounding Disc/Protection Disc Pair, Add	*4,735.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2602	EA	36", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1NM5/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	32,920.32	2,212.34
		For Grounding Disc/Protection Disc Pair, Add	*6,542.10*	
46 82 83 00-2603	EA	40", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT0-1KL9/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	38,138.62	2,765.41
		For Grounding Disc/Protection Disc Pair, Add	*7,760.60*	
46 82 83 00-2604	EA	42", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-13N0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	42,399.66	3,318.51
		For Grounding Disc/Protection Disc Pair, Add	*8,768.98*	
46 82 83 00-2605	EA	48", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-1P63/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	63,143.83	4,148.12
		For Grounding Disc/Protection Disc Pair, Add	*8,222.75*	
46 82 83 00-2606	EA	54", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-12F2/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	75,545.85	4,977.75
46 82 83 00-2607	EA	1", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	10,443.26	56.92
		For Grounding Disc/Protection Disc Pair, Add	*2,214.43*	
46 82 83 00-2608	EA	2", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	10,497.82	100.57
		For Grounding Disc/Protection Disc Pair, Add	*6,248.01*	
46 82 83 00-2609	EA	3", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	11,525.44	128.38
		For Grounding Disc/Protection Disc Pair, Add	*7,545.90*	
46 82 83 00-2610	EA	4", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1H-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	12,292.32	215.48
		For Grounding Disc/Protection Disc Pair, Add	*8,427.70*	
46 82 83 00-2611	EA	6", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1F-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	14,375.34	272.49
		For Grounding Disc/Protection Disc Pair, Add	*13,508.50*	
46 82 83 00-2612	EA	8", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2H-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	16,675.46	344.78
		For Grounding Disc/Protection Disc Pair, Add	*13,550.52*	
46 82 83 00-2613	EA	10", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2F-ELDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	21,535.37	422.36
		For Grounding Disc/Protection Disc Pair, Add	*21,990.67*	
46 82 83 00-2614	EA	12", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P3H-ELDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	26,964.61	511.95
		For Grounding Disc/Protection Disc Pair, Add	*20,466.38*	
46 82 83 00-2615	EA	Non-Hazardous Area, 24" To 80"Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB3B00ACBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	14,994.90	75.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2616	EA	1/2" Vortex Flow Meter (E+H 7F2B15-80D3/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,065.83	36.20
46 82 83 00-2617	EA	1" Vortex Flow Meter (E+H 7F2B25-9HJ4/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,206.46	56.92
46 82 83 00-2618	EA	1-1/2" Vortex Flow Meter (E+H 7F2B40-7E64/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,567.02	83.07
46 82 83 00-2619	EA	2" Vortex Flow Meter (E+H 7F2B50-5AR9/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,687.21	100.57
46 82 83 00-2620	EA	3" Vortex Flow Meter (E+H 7F2B80-JP51/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,148.13	128.38
46 82 83 00-2621	EA	4" Vortex Flow Meter (E+H 7F2B1H-8KW4/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,797.93	215.48
46 82 83 00-2622	EA	6" Vortex Flow Meter (E+H 7F2B1F-ETW0/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	10,616.56	272.49
46 82 83 00-2623	EA	8" Vortex Flow Meter (E+H 7F2B2H-8QL2/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	13,345.13	344.78
46 82 83 00-2624	EA	8" To 6" Vortex Flow Meter (E+H 7R2BRR-25V5/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	14,569.41	344.78
46 82 83 00-2625	EA	10" Vortex Flow Meter (E+H 7F2B2F-5186/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	15,215.85	422.36
46 82 83 00-2626	EA	10" To 6" Vortex Flow Meter (E+H 7R2BSR-1J39/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	18,462.65	422.36
46 82 83 00-2627	EA	12" Vortex Flow Meter (E+H 7F2B3H-3TT8/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	20,249.06	511.95
46 82 83 00-2628	EA	FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2, 9" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 65I-20AA0AD1RCBABA) Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	7,932.94	75.42
46 82 83 00-2629	EA	1" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-25K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	590.51	56.92
46 82 83 00-2630	EA	1-1/2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-40K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	672.27	83.07
46 82 83 00-2631	EA	2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-50K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	722.76	100.57
46 82 83 00-2632	EA	3" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-80K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	957.83	128.38
46 82 83 00-2633	EA	4" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,201.56	215.48
46 82 83 00-2634	EA	6" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1FK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,988.17	272.49
46 82 83 00-2635	EA	8" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	2,793.90	344.78
46 82 83 00-2636	EA	10" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2FK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	4,546.43	422.36
46 82 83 00-2637	EA	12" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-3HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	8,337.32	511.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2638	EA	FM NI Cl.I Div.2/CSA Cl.I Div.2, ABCD + Zone 2, 13" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD1RABABA) Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: compact aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	7,106.15	75.42
46 82 83 00-2639	DAY	E+H, Up To 8" Flow Meter, Start Up And Training	4,038.34	
46 82 83 00-2640	DAY	E+H, >8" Flow Meter, Start Up And Training	4,615.25	

46 82 83 00-2641 Level Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-2642 Level Equipment And Instrumentation (Hawk) *(46 82 83 00-2641)*

46 82 83 00-2643 Sultan Integral Transmitters *(46 82 83 00-2642)*

46 82 83 00-2644	EA	2", 2 Wire, No Relays, 12-30 Volt DC Only, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI2)	1,266.58	22.23
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART 2 Wire, Add	*935.29*	
		Note: For AWI2 Only		
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
46 82 83 00-2645	EA	2", 2/3/4 Wire, 2 Relays, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI234)	1,508.42	22.23
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
		For Switch With 2 Relays, Modbus, Add	*62.77*	
		For Position Slave System Software Option, Add	*1,637.78*	
		For Crane Master Software Option, Add	*819.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2646	EA	3", 2 Wire, No Relays, 12-30 Volt DC Only, Modbus Sultan Integral Transmitter (Hawk AWI2)	1,214.60	22.23
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART 2 Wire, Add	*935.29*	
		Note: For AWI2 Only		
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
46 82 83 00-2647	EA	3", 2/3/4 Wire, 2 Relays, Modbus, Sultan Integral Transmitter (Hawk AWI234)	1,447.39	22.23
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
		For Switch With 2 Relays, Modbus, Add	*62.77*	
		For Position Slave System Software Option, Add	*1,637.78*	
		For Crane Master Software Option, Add	*819.92*	

46 82 83 00-2648 Sultan Remote Transmitters *(46 82 83 00-2642)*

46 82 83 00-2649	EA	2 Wire, No Relays, 12-30 Volt DC Only, Modbus, Sultan Remote Transmitter (Hawk AWR2)	1,765.03	22.23
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*1,174.26*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*1,174.26*	
		Note: For AWR2 Only		
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*539.75*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Position Slave System Software Option, Add	*2,060.25*	
		For Crane Master Software Option, Add	*974.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2650	EA	2/3/4 Wire, 5 Relays, Modbus, Sultan Remote Transmitter (Hawk AWR234)	2,005.02	22.23
		For Power Supply 'C', 30-48 Volt DC And 48-90 Volt AC, Add	*732.90*	
		Note: 234 Units Only		
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART Isolated 4 Wire, Add	*972.89*	
		Note: For AWR234 Only		
		For Profibus DP, Add	*3,893.42*	
		Note: For AWR234 Only		
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Devicenet, Add	*3,893.42*	
		Note: For AWR234 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*539.75*	
		For Position Slave System Software Option, Add	*2,060.25*	
		For Crane Master Software Option, Add	*974.74*	
46 82 83 00-2651	EA	3/4 Wire, 2 Relays, Modbus, Sultan Dual Remote Transmitter (Hawk AWRD34)	2,985.30	22.23
		For Switch Only With 5 Relays, Add	*61.80*	
		For Analog 1: 4-20mA Analog Driving/Modulating Output Module, Add	*1,384.39*	
		For Analog 2: 4-20mA Analog Modulating Output Module, Add	*1,384.39*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*607.73*	

46 82 83 00-2652 Sultan Remote Open Flow Transmitters *(46 82 83 00-2642)*

46 82 83 00-2653	EA	2/3/4 Wire, 5 Relays, 12-30 Volt DC, Modbus, Polycarbonate, Remote Open Channel Flow Transmitter (Hawk AWFR234)	2,559.08	55.57
		For Power Supply 'C', 30-48 Volt DC And 48-90 Volt AC, Add	*732.90*	
		Note: 234 Units Only		
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART Isolated 4 Wire, Add	*972.89*	
		Note: For AWR234 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	

46 82 83 00-2654 Sultan Remote Transducers *(46 82 83 00-2642)*

46 82 83 00-2655	EA	2", 50kHz For Liquid Applications Up To 5m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT50)	1,139.20	22.23
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
46 82 83 00-2656	EA	2", 40kHz For Liquid Applications Up To 7m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT40)	1,342.32	22.23
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
46 82 83 00-2657	EA	2", 30kHz For Liquid Applications Up To 11m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30)	1,529.79	22.23
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2658	EA	3", 30kHz For Liquid Applications Up To 15m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30) Note: 4" Cone Required	1,574.25	44.46
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2659	EA	3", 20kHz For Liquid Applications Up To 20m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT20) Note: 4" Cone Required	1,934.77	44.46
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2660	EA	3", 15kHz For Liquid Applications Up To 30m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT15) Note: 8" Or 10" Cone Required	2,284.56	55.57
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Titanium Facing Material, Add	*1,775.81*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2661	EA	3-1/2", 10kHz For Liquid Applications Up To 40m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT10) Note: 10" Cone Required	2,937.18	66.69
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	
46 82 83 00-2662	EA	3", 9kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT09) Note: 10" Cone Required	4,457.53	66.69
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2663	EA	3-1/2", 5kHz For Applications Up To 60m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT05)	3,522.24	66.69
		Note: 10" Cone Required, Polyolefin Face Only		
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	
46 82 83 00-2664	EA	3", 4kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT04)	4,925.17	66.69
		Note: 10" Cone Required, Polyolefin Face Only		
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	

46 82 83 00-2665 Sultan Smart Transducers *(46 82 83 00-2642)*

46 82 83 00-2666	EA	12-30 Volt DC, 2 Wire, 4-20mA, Sultan Acoustic Wave Smart Transducer (Hawk AWST-A)	1,387.65	22.23
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	
46 82 83 00-2667	EA	12-30 Volt DC, 1 Relay, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-C)	1,599.84	22.23
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2668	EA	12-30 Volt DC, 2/3/4 Wire, 1 Relay, 4-20mA, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-D)	1,793.48	22.23
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	

46 82 83 00-2669 Flanges, Focalizer Cones, And Cables *(46 82 83 00-2642)*

46 82 83 00-2670	EA	2" ANSI Polypropylene Flange	374.21	50.49
		Note: Fits 2" NPT Transducer Thread		
46 82 83 00-2671	EA	3" ANSI Polypropylene Flange	395.35	59.04
		Note: Available Ss FA3A-4, Fits C03-4-Z Cone Only		
46 82 83 00-2672	EA	4" ANSI, Acoustically Isolated, Polypropylene Flange	444.99	99.31
		Note: Fits 3" Units And 2" Units With Cone		
46 82 83 00-2673	EA	6" ANSI, Acoustically Isolated, Polypropylene Flange	639.17	122.23
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2674	EA	8" ANSI, Acoustically Isolated, Polypropylene Flange	853.84	143.75
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2675	EA	10" ANSI, Acoustically Isolated, Polypropylene Flange	1,168.46	175.00
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2676	EA	6" ANSI Flange (Hawk FA6D50-4)	843.12	122.23
		Note: Fits 3.5" Transducers With TB50 End Cap/Black Cap.		
46 82 83 00-2677	EA	8" Cone Mounted Flange (Hawk FA8A-4-C4)	1,131.96	143.75
		Note: Fits C04-4 / C02 Cones		
46 82 83 00-2678	EA	6" Multifit Polypropylene Flange (Hawk FS6N-4)	847.24	122.23
		Note: For 1" BSP Threaded Cable Entry Mount		
46 82 83 00-2679	EA	4" ANSI Type Angle Flange (Hawk FA4C-4)	368.76	99.31
46 82 83 00-2680	EA	6" ANSI Type Angle Flange (Hawk FA8C-4)	482.61	122.23
46 82 83 00-2681	EA	10" ANSI Type Angle Flange (Hawk FA10C-4)	622.53	175.00
46 82 83 00-2682	EA	C04, Polypropylene, Cone With Adapter For 2" NPT Transducer	325.33	13.56
		Note: 02N		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2683	EA	C04, Polypropylene, Cone With Adapter For 2" BSP Transducer	325.33	13.56
		Note: 02B		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2684	EA	4" Polypropylene Cone For 20kHz And 3" 30kHz Transducers	505.44	197.93
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2685	EA	8" Polypropylene Cone For 15kHz/10kHz	777.15	287.51
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2686	EA	10" Polypropylene Cone For 15kHz/10kHz/9kHz/5kHz/4kHz	929.87	350.01
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2687	EA	3" Outside Diameter, Special Cone And Connection Adapter (Hawk C03-4-Z) Note: Fits 3" units only. Fits FA3A-4 flange only	761.83	118.06
46 82 83 00-2688	EA	90mm Outside Diameter Cone (Hawk C04-4-ZOD90) Note: Fits 3" units only	405.43	118.06
46 82 83 00-2689	EA	4" And 6" Flanges/Cones, Polypropylene Locking Ring	70.65	
46 82 83 00-2690	EA	8" Cones For 15kHz Units, Polypropylene Locking Ring	93.31	
46 82 83 00-2691	EA	10" Flanges/Cones, Polypropylene Locking Ring	115.98	
46 82 83 00-2692	EA	Standard Cables, 15 Meters (Hawk CA-TXCC-R-C15)	202.73	
46 82 83 00-2693	EA	Standard Cables, 30 Meters (Hawk CA-TXCC-R-C30)	392.88	
46 82 83 00-2694	EA	Standard Cables, 50 Meters (Hawk CA-TXCC-R-C50)	653.18	

46 82 83 00-2695 HawkLink 3G Modem *(46 82 83 00-2642)*

46 82 83 00-2696	EA	3G, 12 - 30 Volt DC, Remote Stand Alone System (Hawk HL) Note: Mounted In A Sultan Remote Enclosure With Antenna	4,548.17	88.32
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*525.33*	
46 82 83 00-2697	EA	USB Cable And Converter For Goshawk II (Hawk HAWKLINK-USB)	682.48	4.42
46 82 83 00-2698	EA	Mini USB To USB Cable And Converter For MiniWave (Hawk Hawklink-MiniUSB)	482.65	4.42
46 82 83 00-2699	EA	ProCom Sol HART Modem (Hawk HART-USB-PROCOM)	1,234.00	
46 82 83 00-2700	MO	3G Wireless, Modbus, Remote Troubleshooting, HawkLink Modem Rental Note: In order to receive a HawkLink rental, the customer will be required to provide a purchase order to insure that the HawkLink is returned within the 30 day period. In the event that the HawkLink modem is not returned after 30 days, the customer will be billed $600.00 per month until the unit is returned.	1,236.06	

46 82 83 00-2701 Miscellaneous Part And Accessories *(46 82 83 00-2642)*

46 82 83 00-2702	EA	Stainless Steel Sunhood For Sultan, Orca, GSA And GSM (HAWK SUNHOOD) Note: Included With OSIRSC Package	830.22	
46 82 83 00-2703	EA	Junction Box With 1m Cable (HAWK AWRT-JB-01)	438.80	
46 82 83 00-2704	EA	Junction Box With 6m Cable (HAWK AWRT-JB-06)	531.51	
46 82 83 00-2705	EA	Standard Stainless Steel Tags (HAWK SS TAGS)	140.09	
46 82 83 00-2706	EA	Inspection Test Plan Note: 1 Per Product Type	216.31	
46 82 83 00-2707	EA	Declaration Of Conformity	107.13	
46 82 83 00-2708	EA	Test Certificate	107.13	
46 82 83 00-2709	EA	5 Point Measurement Calibration Certificate	216.31	
46 82 83 00-2710	EA	Wiring/Dimension Drawing Note: 1 Per Product Type	216.31	
46 82 83 00-2711	EA	Certified Wiring/Dimension Drawing Note: 1 Per Product Type	216.31	
46 82 83 00-2712	EA	Fabrication / Manufacturing Schedule	216.31	
46 82 83 00-2713	EA	Calibration Certificate	107.13	
46 82 83 00-2714	EA	Welder Qualifications Note: Supplied By Welder	107.13	
46 82 83 00-2715	EA	Welding Procedures Note: Supplied By Welder	107.13	
46 82 83 00-2716	EA	Certificate of Conformity	107.13	
46 82 83 00-2717	EA	Inspection Test Plan Note: 1 Per Product Type	216.31	
46 82 83 00-2718	EA	Customized Engineering Drawings Note: 1 Per Product Type	216.31	
46 82 83 00-2719	EA	Certified Drawings Note: 1 Per Product Type	216.31	
46 82 83 00-2720	EA	Hydrostatic Testing	216.31	
46 82 83 00-2721	EA	Material Certificates Note: 1 Per Product Type	107.13	
46 82 83 00-2722	EA	NACE Certificates	107.13	

46 82 83 00-2723 On-Site Technical Support *(46 82 83 00-2642)*

Note: Travel days are billed as additional days at the level of service supplied. If arrival or departure is concurrent with a workday, the daily charge will be no more than the next highest level of service for that day We will bill for portal to portal travel and incidentals at actual cost. This includes: coach class airfare, lodging, meals, car or equipment rental, field service parts and supplies. You will receive a listing of charges for travel with our invoice. You may cancel or reschedule a service call at any time prior to departure without penalty. Any cancellation charges incurred will be billed at cost. Cancellations received after departure will be invoiced for cancellation charges and expenses, plus a minimum of one day of labor.

46 82 83 00-2724	Day	Standard On-Site Technical Support Note: Schedule 2 Weeks In Advance	2,884.14	
46 82 83 00-2725	Day	Premium On-Site Technical Support Note: Longer Than 8 Hours, Less Than 12 Hours	3,965.69	
46 82 83 00-2726	Day	Priority On-Site Technical Support Note: On-Site Within 72 Hours	5,768.28	

46 82 83 00-2727 Level Equipment And Instrumentation (Siemens Miltronics) *(46 82 83 00-2641)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2728	EA	2-Wire Ultrasonic Level Probe, 1-16.4" Range, NEMA 4 Enclosure, 4-20mA Loop Powered Output. Model Milltronics Two-Wire PROBE	2,753.99	26.04
46 82 83 00-2729	EA	Ultrasonic Transceiver, NEMA 4X, 2 Alarm Relays, 0-16' Range. Model: Milltronics MiniRanger	3,393.21	27.79
46 82 83 00-2730	EA	Ultrasonic Transceiver, NEMA 4X, 4 Alarm Relays, 0-200' Range. Model: Milltronics AirRanger DPL Plus	6,540.12	27.79
		For Hand Held Programmable Calibrator, Add	*75.00*	
		For LIS-1 Loop Isolator, Add	*185.00*	
46 82 83 00-2731	EA	Multiranger 100 Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AA001A)	3,157.66	27.79
46 82 83 00-2732	EA	Multiranger 200 Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AB001A)	3,700.82	27.79
46 82 83 00-2733	EA	Hydroranger Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AA001A)	2,223.52	27.79
		For Hand Held Programmable Calibrator, Add	*75.00*	
46 82 83 00-2734	EA	Hydroranger Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AB001A)	3,707.84	27.79
46 82 83 00-2735	EA	OCMIII Ultrasonic Flow Monitor For Open Channels (Siemens Milltronics PN 7ML5001-1A00B2)	5,056.97	22.23
		For Hand Held Programmable Calibrator, Add	*75.00*	
		For Transducer, Mounting, 1 To 10' Range, 100' Interconnect Cable, Add	*385.00*	
		For Temperature Compensator Probe, Add	*225.00*	
46 82 83 00-2736	EA	Liquid Level Sensor, 15' Cable (Siemens Milltronics ST-H)	1,651.11	16.67
46 82 83 00-2737	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-10)	1,402.05	16.23
46 82 83 00-2738	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-15)	1,772.85	16.67
46 82 83 00-2739	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-30)	2,622.71	16.67
46 82 83 00-2740	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-40)	3,348.48	16.67

46 82 83 00-2741 Process Measurement (Pulsar) *(46 82 83 00-2641)*

46 82 83 00-2742	EA	0.15 To 3m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB3)	1,390.35	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2743	EA	0.3 To 6m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB6)	1,706.41	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2744	EA	0.3 To 10m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB10)	1,893.71	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2745	EA	0.5 To 15m Liquid And Solid Level Measurement Narrow Beam Transducer With 5m Cable (Pulsar dB15)	2,443.89	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2746	EA	0.6 To 25m Liquid And Solid Level Measurement Narrow Beam, Mid Range Transducer With 5m Cable (Pulsar dB25)	3,626.20	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2747	EA	1.2 To 40m Liquid And Solid Level Measurement Narrow Beam, Long Range Transducer With 5m Cable (Pulsar dB40)	5,112.86	22.08
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For Foam Facing, Add	*175.59*	
46 82 83 00-2748	EA	Level, Volume, Pump Control And Open Channel Flow Control Microprocessor (Pulsar Ultra 3)	2,502.42	22.08
		For Intrinsically Safe, 4-20mA Output (Wall Mount), Add	*995.01*	
		For UL/CuL Approved (Wall Mount) 4-20mA Output, Add	*70.24*	
		For Panel Mount (NEMA 4X Face) Enclosure, Add	*995.01*	
		For Rack Mount (19" Version) Enclosure, Add	*526.77*	
		For Fascia Mount (NEMA 12) Enclosure, Add	*526.77*	
		For RS-485 Modbus RTU And Data Logging, Add	*877.95*	
		For Profibus dP Version 0 And Data Logging, Add	*995.01*	
		For Profibus dP Version 1 And Data Logging, Add	*1,393.01*	
		For PC Ultra Software Program - Serial Port Lead, Add	*690.65*	
		For PC Ultra Software Program - USB Converter Lead, Add	*995.01*	
		For PC Elephant Data Logging Software - Serial Port Lead, Add	*1,158.89*	
		For PC Elephant Data Logging Software - USB Converter Lead, Add	*1,486.66*	
		For Pulsar PC Software Suite - Serial Port Lead, Add	*1,135.48*	
		For Pulsar PC Software Suite - USB Converter Lead, Add	*1,393.01*	
		For Ultra Scan PC Vessel Profile And Contents Display, Add	*3,734.21*	
		For Communicator - Infra Red Remote, Add	*924.77*	
		For PC Serial Port Connection Lead, Add	*187.30*	
		For PC Connection Lead With USB Converter, Add	*339.47*	
		For Tagging - Stainless Steel, Add	*175.59*	
		For Hydro Ranger Adapter Plate, Add	*234.12*	
		For Additional Manuals, Add	*105.35*	
46 82 83 00-2749	EA	Level, Volume, Pump Control, Differential And Open Channel Flow Control Microprocessor (Pulsar Ultra 5)	2,935.54	22.08
		For UL/CuL Approved (Wall Mount) 4-20mA Output, Add	*70.24*	
		For Panel Mount (NEMA 4X Face) Enclosure, Add	*995.01*	
		For Rack Mount (19" Version) Enclosure, Add	*526.77*	
		For Fascia Mount (NEMA 12) Enclosure, Add	*526.77*	
		For RS-485 Modbus RTU And Data Logging, Add	*877.95*	
		For Profibus dP Version 0 And Data Logging, Add	*995.01*	
		For Profibus dP Version 1 And Data Logging, Add	*1,393.01*	
		For PC Ultra Software Program - Serial Port Lead, Add	*690.65*	
		For PC Ultra Software Program - USB Converter Lead, Add	*995.01*	
		For PC Elephant Data Logging Software - Serial Port Lead, Add	*1,158.89*	
		For PC Elephant Data Logging Software - USB Converter Lead, Add	*1,486.66*	
		For Pulsar PC Software Suite - Serial Port Lead, Add	*1,135.48*	
		For Pulsar PC Software Suite - USB Converter Lead, Add	*1,393.01*	
		For Ultra Scan PC Vessel Profile And Contents Display, Add	*3,734.21*	
		For Communicator - Infra Red Remote, Add	*924.77*	
		For PC Serial Port Connection Lead, Add	*187.30*	
		For PC Connection Lead With USB Converter, Add	*339.47*	
		For Tagging - Stainless Steel, Add	*175.59*	
		For Hydro Ranger Adapter Plate, Add	*234.12*	
		For Additional Manuals, Add	*105.35*	

46 82 83 00-2750 Level Equipment And Instrumentation (Omntec) *(46 82 83 00-2641)*

46 82 83 00-2751	EA	Up To 8 Magnetostrictive Probes, Up To 44 BX Series Leak Dection Sensors, Four Line By 40 Character Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIP)	6,589.72	27.79
46 82 83 00-2752	EA	Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIIB4)	3,907.79	27.79
46 82 83 00-2753	EA	Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIIK4P)	6,663.92	27.79
46 82 83 00-2754	EA	Up To 16 MTG Series Inventory Probes And 64 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIIXP)	9,793.19	27.79
46 82 83 00-2755	EA	4 Probe And 16 Leak Sensor Module For Proteus X Controller (Omntec XB-416)	1,442.12	27.79
46 82 83 00-2756	EA	8 Channel Relay Board For Proteus X Controller (Omntec XB-RB8)	1,329.75	27.79
46 82 83 00-2757	EA	Magnetostrictive Tank Gauging Probe (Omntec MTG) Note: Up To 12' Tank Diameter, Includes Buna Float Set For Product And Water, 4" Cap And Install Kit	3,090.52	16.67
46 82 83 00-2758	EA	Magnetostrictive Tank Gauging Probe (Omntec MTG-V) Note: For Inventory Only, Up To 12' Tank Diameter, Includes 4" Cap And Install Kit	2,600.78	16.67
46 82 83 00-2759	EA	4' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-4)	792.34	16.67
46 82 83 00-2760	EA	6' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-6)	792.34	16.67
46 82 83 00-2761	EA	8' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-8)	792.34	16.67
46 82 83 00-2762	EA	10' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-10)	792.34	16.67
46 82 83 00-2763	EA	4' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-4)	548.52	16.67
46 82 83 00-2764	EA	6' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-6)	548.52	16.67
46 82 83 00-2765	EA	8' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-8)	548.52	16.67
46 82 83 00-2766	EA	10' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-10)	548.52	16.67
46 82 83 00-2767	EA	Double Wall Steel Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWS)	682.09	16.67
46 82 83 00-2768	EA	Double Wall Steel Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWS)	597.29	16.67
46 82 83 00-2769	EA	Brine Filled Doublewall Fiberglass Tank, Nondistinguishing Bright Eye Sensor (Omntec BX-RES)	792.34	16.67
46 82 83 00-2770	EA	Nondistinguishing Bright Eye Sensor (Omntec BX-LS)	535.80	16.67
46 82 83 00-2771	EA	Product Distinguishing Bright Eye Sensor (Omntec BX-PDS)	646.05	16.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2772	EA	Temperature Sensor (Omntec BX-TC1)	646.05	16.67
46 82 83 00-2773	EA	Monitoring Well, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWL)	1,977.47	16.67
46 82 83 00-2774	EA	Single Float High Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-1)	779.62	16.67
46 82 83 00-2775	EA	Dual Float High And Caution Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-2)	1,038.27	16.67
46 82 83 00-2776	EA	Two Channel External RS-232 To 4-20MA Convertor With (4) SPST 1 Ampere Relay Outputs Housed In Steel Enclosure For Proteus Series Controllers (Omntec X232-420-2)	1,645.65	27.79
46 82 83 00-2777	EA	Proteus K Systems RS-485 Board (Omntec DB-485)	465.33	11.11
46 82 83 00-2778	EA	Single Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1)	537.92	16.67
46 82 83 00-2779	EA	Two Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-2)	599.41	16.67
46 82 83 00-2780	EA	Three Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-3)	663.01	16.67
46 82 83 00-2781	EA	Four Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-4)	777.50	16.67
46 82 83 00-2782	EA	Single Tank, Audio Visual High Level Remote Annunciator (110 DB) With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1-NYS)	766.89	16.67
46 82 83 00-2783	EA	Single Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-1)	2,356.97	16.67
46 82 83 00-2784	EA	Two Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-2)	4,309.58	16.67
46 82 83 00-2785	EA	Three Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-3)	6,997.87	16.67
46 82 83 00-2786	EA	Four Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-4)	9,317.26	16.67
46 82 83 00-2787	EA	7" Color Touch Screen Display, Universal Remote Automatic Tank Gauge Monitor, Proteus Mini-Me (Omntec RD7CTS)	2,142.84	16.67
46 82 83 00-2788	EA	Universal Translator (Omntec BX-UT)	391.13	11.11
46 82 83 00-2789	EA	2" Stainless Steel Float For MTG Probe (Omntec SSF-2)	537.92	16.67
46 82 83 00-2790	EA	Single Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU1)	1,289.47	27.79
46 82 83 00-2791	EA	Two Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU2)	1,552.36	27.79
46 82 83 00-2792	EA	Three Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU3)	2,192.63	27.79
46 82 83 00-2793	EA	Four Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU4)	2,444.92	27.79
46 82 83 00-2794	EA	Six Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU6)	2,881.66	27.79
46 82 83 00-2795	EA	Nine Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU9)	3,425.50	16.67
46 82 83 00-2796	EA	Double Wall Steel Tank, Sump, Containment Area, Nondistinguishing Leak Sensor (Omntec LS-ASC)	499.76	16.67
46 82 83 00-2797	EA	Double Wall Fiberglass Tank, Nondistinguishing Interstitial Sensor (Omntec LWF)	537.92	16.67
46 82 83 00-2798	EA	Doublewall Steel Tank, Nondistinguishing Interstitial Sensor (Omntec LWS)	612.13	16.67
46 82 83 00-2799	EA	Three Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L1PD2)	3,825.11	27.79
46 82 83 00-2800	EA	Six Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L2PD4)	4,204.61	27.79
46 82 83 00-2801	EA	Nine Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L3PD6)	4,641.35	27.79
46 82 83 00-2802	EA	Double Wall Fiberglass Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWF)	699.05	16.67
46 82 83 00-2803	EA	Double Wall Steel Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWS)	699.05	16.67
46 82 83 00-2804	EA	Sump Product Distinguishing Sensor (Omntec PDS)	811.42	16.67
46 82 83 00-2805	EA	Brine Filled Doublewall Fiberglass Tank, Two Point Reservoir Sensor (Omntec I-R-1)	849.58	16.67
46 82 83 00-2806	EA	12" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-S)	476.44	16.67
46 82 83 00-2807	EA	20" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-L)	599.41	16.67
46 82 83 00-2808	EA	Up To 72" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-D)	913.18	16.67
46 82 83 00-2809	EA	Up To 36" Length, Two Point Liquid Level Detection Sensor (Omntec L-2-S)	978.90	16.67
46 82 83 00-2810	EA	>36" To 72" Length, High/Low Or High/Caution Level, Two Point Liquid Level Sensor (Omntec L-2-L)	1,040.39	16.67
46 82 83 00-2811	EA	Single Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU1-OW)	1,302.19	27.79
46 82 83 00-2812	EA	Two Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OW)	1,562.96	27.79
46 82 83 00-2813	EA	Two Channel High Oil Level (Pump Out Capablity) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWP)	1,815.25	27.79
46 82 83 00-2814	EA	Two Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWIR)	2,256.23	27.79
46 82 83 00-2815	EA	Three Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWIR)	2,506.41	27.79
46 82 83 00-2816	EA	Three Channel Combination Leak Sensing/High Oil Level (Pump Out Capablity) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWPR)	2,570.01	27.79
46 82 83 00-2817	EA	Single Point High Level Sensor In Oil Water Separator (Omntec OWI-1)	777.50	16.67
46 82 83 00-2818	EA	Two Point High And Caution Level Sensor In Oil Water Separator (Omntec OWI-2)	978.90	16.67
46 82 83 00-2819	EA	Two Point High Oil And Low Liquid Sensor For Pump Or Valve Control In Oil Water Separator (Omntec OWP-2)	978.90	16.67
46 82 83 00-2820	EA	Single Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-1)	387.40	16.67
46 82 83 00-2821	EA	Two Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-2)	423.44	16.67
46 82 83 00-2822	EA	Three Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-3)	461.60	16.67
46 82 83 00-2823	EA	Four Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-4)	499.76	16.67
46 82 83 00-2824	EA	Single Tank, Audio Visual High Level Remote Annunciator (110 DB) In NEMA 4X Enclosure (Omntec RA-1-NYS)	726.61	16.67
46 82 83 00-2825	EA	18" x 24" Yellow Aluminum Fill Alarm Sign With Black 2" Print That Reads "CAUTION - WHEN ALARM BELL SOUNDS OIL TANK FILLED TO CAPACITY DO NOT OVERFILL" (Omntec OFAS-AL)	575.58	11.11

46 82 83 00-2826 Liquid Level Equipment And Instrumentation (Vega Americas) *(46 82 83 00-2641)*

46 82 83 00-2827	EA	Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS61.UDB**HKNAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.	8,092.10	44.46
		For 3" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*368.19*	
		For 4" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*442.49*	
		For 6" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*517.84*	
		For 8" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*1,180.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2828	EA	316L Stainless Steel Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS62.UDC**2HANAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.	10,832.64	44.46
		For 2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*272.69*	
		For 2" 150 Lb. Raised Face, ASME B16.5/316L Flange Fitting, Add	*680.47*	
		For 2-1/2" 150 Lb. Raised Face, ASME B16.5/316L Flange Fitting, Add	*1,042.65*	
		For 3" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,051.34*	
		For 4" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,105.79*	
		For 6" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,582.28*	
		For 8" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*2,793.18*	
		For 10" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*3,563.34*	
46 82 83 00-2829	EA	Radar Sensor, Continuous Liquid Level Measurement (Vega PS64.FE***CHXANAXX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.	8,344.31	44.46
		For Plastic Horn Antenna, Add	*395.19*	
		For 4" Flange Adapter Fitting, Add	*456.40*	
		For Flanged With Encapsulated Antenna, Add	*2,927.22*	
		For 1-1/2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*329.63*	
		For 2", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*392.51*	
		For 3", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*473.44*	
		For 3-1/2", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*872.03*	
		For 4", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*899.25*	
		For 6", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*1,385.68*	
		For 8", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*6,749.09*	
46 82 83 00-2830	EA	Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS67.UXB**HKNAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.	8,102.03	44.46
		For 3" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*368.19*	
		For 4" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*442.49*	
		For 6" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*517.84*	
		For 8" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*1,180.63*	
		For 170 mm Mounting Strap, Add	*128.07*	
		For 300 mm Mounting Strap, Add	*237.30*	
		For 3" Flange, Add	*421.80*	
46 82 83 00-2831	EA	Polypropylene Horn Antenna, Continuous Liquid Level Measurement (Vega PSWL61.KXB**HK*X) Note: Two-wire 4 to 20mA/HART. CSA CL 1 DIV 2 GP ABCD CLII DIV 2 approval. -40 to 176 Degree F. Plastic single chamber/IP68. Includes 19' cable.	4,358.60	44.46
		For 170 mm Mounting Strap, Add	*128.07*	
		For 39' Cable Length, Add	*85.39*	
		For 59' Cable Length, Add	*176.75*	
46 82 83 00-2832	EA	Wall Bracket With Rotary T Adapter (Vega MONTZUB WT ****)	1,406.02	
		For 205-305 mm Length Range With T Adapter, Add	*265.10*	
		For 340-440 mm Length Range With T Adapter, Add	*348.51*	
		For 150 mm Slide Holder Length, Add	*161.83*	
		For Thread G 1.5 Mounting, Add	*161.83*	
46 82 83 00-2833	EA	Plastic Housing (Vega DIS82.IXHKINACX) Note: Two-wire 4 to 20mA/HART. IP66/IP67 NEMA 4X. For carrier rail and wall mounting with plastic housing.	1,689.56	44.46
46 82 83 00-2834	EA	External Indicating And Adjustment Unit For Plics® Sensors (Vega DIS61.UFKNC) Note: FM(IS) CL I, II, III, DIV1, GP ABCDEF approval. Plastic/IP66/IP68 (0.2bar) housing.	1,538.63	44.46
46 82 83 00-2835	EA	Signal Conditoning And Display Instrument (Vega MET381.XX) Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"	1,844.46	44.46
		NEMA 4x Enclosure (Vega ISO-GEH.BXX)	*347.53*	
46 82 83 00-2836	EA	Signal Conditoning And Display Instrument (Vega MET391.XX) Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"	3,045.93	44.46
		NEMA 4x Enclosure (Vega ISO-GEH.AXX)	*708.97*	
46 82 83 00-2837	EA	Signal Conditoning And Display Instrument (Vega MET625.UFX) Note: Two-Wire 4 to 20mA/HART with transmitter power supply. 253 VAC. 20 mA current output. 3 x relay outputs, 1 x fail safe relay, 1 x Ethernet(optional), 1 x RS232(optional). Mounting Carrier Rail 35 x 7.5 acc. to EN 50022.	4,102.42	44.46
46 82 83 00-2838	DAY	Vega Start Up And Training	2,307.62	

46 82 83 00-2839 Liquid Level Equipment And Instrumentation (E+H) *(46 82 83 00-2641)*

46 82 83 00-2840	EA	Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU40-ANB2A4) Note: Process Connection: 1-1/2" NPT, PVDF; Power Supply; Output: 2-wire; 4-20mA HART; Operation: 4-line display VU331, envelope curve display on site; Housing: F12 aluminum, coated, IP68, NEMA 6P; Cable Entry: 1/2" NPT.	2,349.88	60.34
46 82 83 00-2841	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA131AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,920.77	60.34
46 82 83 00-2842	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 6x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA161AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,024.18	60.34
46 82 83 00-2843	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA111AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,614.77	60.34
46 82 83 00-2844	EA	Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA232AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,687.89	60.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2845	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R21CA111AA3A) Note: Application: Flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,998.34	60.34
46 82 83 00-2846	EA	Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-2D09/0) Note: Process Connection: 1" NPT PVDF rear side, 1-1/2" NPT front side; Cable Length: 100'; Heater: without.	1,278.77	60.34
46 82 83 00-2847	EA	1,000 mm, Zinc Coated Steel, FDU9x Ultrasonic Sensor Support (E+H ZPFDU-A)	584.72	30.16
46 82 83 00-2848	EA	Zinc Coated Steel, Sensor Support Wall Bracket (E+H ZPF-A)	228.57	30.16
46 82 83 00-2849	EA	Without Cable, Non-Hazardous Area, Temperature Probe (E+H FMT131-R7) Note: IP66.	607.66	60.34
46 82 83 00-2850	EA	16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RNAAA) Note: Process Connection: 1" NPT, PVDF; Heater: without.	962.00	60.34
46 82 83 00-2851	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RNAA)	1,505.19	60.34
46 82 83 00-2852	EA	1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1NAA) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,730.39	60.34
46 82 83 00-2853	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-10A1/0) Note: Heater: without.	890.09	60.34
46 82 83 00-2854	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-12N6/0) Note: Heater: without.	967.68	60.34
46 82 83 00-2855	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13A9/0) Note: Heater: without.	1,122.81	60.34
46 82 83 00-2856	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-11R8/0) Note: Heater: without.	1,299.50	60.34
46 82 83 00-2857	EA	Flood Protection Tube, 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13V3/0) Note: Heater: without.	989.26	60.34
46 82 83 00-2858	EA	2" Screw In Flange (E+H FAX50-1265/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 2" NPS Class 150, PN16/10K 50; Sensor Connection: 1-1/2" NPT.	493.92	37.71
46 82 83 00-2859	EA	3" Screw In Flange (E+H FAX50-10R4/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 3" NPS Class150, PN16/10K 80; Sensor Connection: 1-1/2" NPT.	588.90	48.14
46 82 83 00-2860	EA	4" Screw In Flange (E+H FAX50-11F2/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 4" NPS Class 150, PN16/10K 100; Sensor Connection: 1-1/2" NPT	738.13	80.81
46 82 83 00-2861	EA	6" Screw In Flange (E+H FAX50-13R1/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 6" NPS Class 150, PN16/10K 150; Sensor Connection: 1-1/2" NPT	1,114.24	102.18
46 82 83 00-2862	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN1AA) Note: Heater: without.	962.00	60.34
46 82 83 00-2863	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN2AA) Note: Heater: without.	1,039.57	60.34
46 82 83 00-2864	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN4AA) Note: Heater: without.	1,194.70	60.34
46 82 83 00-2865	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN6AA) Note: Heater: without.	1,371.39	60.34
46 82 83 00-2866	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU91-EN1AA) Note: Heater: without.	1,388.69	60.34
46 82 83 00-2867	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN1A)	1,434.58	60.34
46 82 83 00-2868	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN2A)	1,512.15	60.34
46 82 83 00-2869	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN4A)	1,667.28	60.34
46 82 83 00-2870	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN6A)	1,843.99	60.34
46 82 83 00-2871	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 16' Cable Length, , Ultrasonic Sensor (E+H FDU92-EN1A)	1,861.29	60.34
46 82 83 00-2872	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN1A)	2,177.80	60.34
46 82 83 00-2873	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN2A)	2,255.38	60.34
46 82 83 00-2874	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN4A)	2,410.50	60.34
46 82 83 00-2875	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN6A)	2,587.19	60.34
46 82 83 00-2876	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU93-EN1A)	2,604.49	60.34
46 82 83 00-2877	EA	1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N1A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,692.38	60.34
46 82 83 00-2878	EA	1" NPT, UP Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N2A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,769.98	60.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2879	EA	1" NPT, UP Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N4A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,925.10	60.34
46 82 83 00-2880	EA	1" NPT, UP Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N6A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	3,101.79	60.34
46 82 83 00-2881	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA111AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66, NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,614.77	60.34
46 82 83 00-2882	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: PROFIBUS DP, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA113AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,024.18	60.34
46 82 83 00-2883	EA	Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA232AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,687.76	60.34
46 82 83 00-2884	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R21CA131AA1A) Note: Application: flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,304.31	60.34
46 82 83 00-2885	DAY	E+H, Level Instrumentation, Start Up And Training	3,461.44	

46 82 83 00-2886 Liquid Level Equipment And Instrumentation (Wastewater) *(46 82 83 00-2641)*

46 82 83 00-2887	EA	3' FOGRod With 50' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-50)	2,281.81	60.34
46 82 83 00-2888	EA	3' FOGRod With 100' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-100)	2,458.15	60.34
46 82 83 00-2889	EA	5' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-50)	2,412.83	60.34
46 82 83 00-2890	EA	5' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-100)	2,590.00	60.34
46 82 83 00-2891	EA	7' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-50)	2,412.83	60.34
46 82 83 00-2892	EA	7' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-100)	2,590.41	60.34
46 82 83 00-2893	EA	Mains To 12 Volt DC Power Supply (Wastewater Level PSU-12-NB) Note: Excludes battery backup.	170.56	24.13
46 82 83 00-2894	EA	Mains To 24V DC Power Supply (Wastewater Level PSU-24-NB) Note: Excludes battery backup.	170.56	24.13
46 82 83 00-2895	EA	Level Indicator Transmitter (Wastewater Level LIT-100)	1,274.20	
46 82 83 00-2896	EA	5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-5-50)	1,362.37	
46 82 83 00-2897	EA	7.5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-7.5-50)	1,362.37	
46 82 83 00-2898	EA	5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-5-100)	1,538.72	
46 82 83 00-2899	EA	7.5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-7.5-100)	1,538.72	
46 82 83 00-2900	EA	Extended Warranty On Level Indicator Transmitter From 2 Years To 5 Years (Wastewater Level LIT-EW5)	323.44	
46 82 83 00-2901	DAY	FOGRod Start Up And Training	1,957.10	

46 82 83 00-2902 Analytical Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-2903 Analytical Equipment And Instrumentation (ABB) *(46 82 83 00-2902)*

46 82 83 00-2904	EA	Dissolved Oxygen Transmitter, Floating Ball Design. Model: ABB Instrumentation, Floating Ball Design Model #AX480/10001, One Loop Control	2,235.38	26.04
46 82 83 00-2905	EA	Dissolved Oxygen Floating Ball Kit. Model: ABB Instrumentation, Model #9408-760, One Loop Control	2,465.12	26.04
46 82 83 00-2906	EA	Dissolved Oxygen Indicator. Model: ABB Instrumentation, Commander 150 Model #C150/0000STD, One Loop Control	837.97	17.36
46 82 83 00-2907	EA	Dissolved Oxygen Sensor Capsule Replacement Kit. Model: ABB Instrumentation Model #SP9-408XXX, One Loop Control	435.50	17.36
46 82 83 00-2908	EA	Conductivity Transmitter. Model: ABB Instrumentation, Model #TB84EC.1000200	3,187.93	34.73
46 82 83 00-2909	EA	Conductivity Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB454.O.E.2.1.2	889.27	17.36
46 82 83 00-2910	EA	pH Transmitter. Model: ABB Instrumentation, Model #TB84PH.1000200	3,095.65	26.04
46 82 83 00-2911	EA	pH Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05	1,151.48	17.36
46 82 83 00-2912	EA	ORP Transmitter. Model: ABB Instrumentation, Model TB84PH.1000200	3,095.65	26.04
46 82 83 00-2913	EA	ORP Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05	1,151.48	17.36

46 82 83 00-2914 Analytical Equipment And Instrumentation (Blue I Technologies) *(46 82 83 00-2902)*

46 82 83 00-2915	EA	4-20mA Output, 120 Volt AC/60 Hertz/1 Phase, Field Mount Total Residual Chlorine Analyzer (Blue I Technologies HG702)	7,122.53	33.34
46 82 83 00-2916	EA	Amperometric, Submersible, Total Residual Chlorine Probe With 30' Cable (Blue I Technologies TRC101)	4,463.37	22.23
46 82 83 00-2917	EA	Handrail Mounting Probe Pole Bracket (Blue I Technologies PRB123)	1,907.22	11.11

46 82 83 00-2918 Analytical Equipment And Instrumentation (Entech Design) *(46 82 83 00-2902)*

46 82 83 00-2919	EA	One 4-20mA Output, Standard Interface, EchoSmart Sensor (Entech Design ESS-16001)	3,929.38	33.34
46 82 83 00-2920	EA	One 4-20mA Output, Wiper Interface, EchoSmart Sensor (Entech Design ESS-26001)	4,558.08	38.68
46 82 83 00-2921	EA	Two 4-20mA Outputs, Interface And Turbidity Wiper Service, EchoSmart Sensor (Entech Design ESS-36001)	5,290.67	44.46
46 82 83 00-2922	EA	One 4-20mA Isolated Output, 115/230 Volt AC, Standard Level EchoSmart Controller (Entech Design ESC-1100110)	4,725.56	40.01
46 82 83 00-2923	EA	115/230 Volt AC, Wired, Combined Level And Turbidity, EchoSmart Controller (Entech Design ESC-2100020)	4,890.36	40.01
46 82 83 00-2924	EA	1 To 4 Sensors Network, 30 days, Factory Remote Startup And Service (Entech Design ESA1-0)	1,813.11	15.56
46 82 83 00-2925	EA	5 To 16 Sensors, 30 Days, Factory Remote Startup And Service (Entech Design ESA-20)	1,813.11	15.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2926	EA	Round Handrail Controller Mount With Weathershield (Entech Design 9300-16RH)	1,142.75	10.01
46 82 83 00-2927	EA	Square Handrail Controller Mount With Weathershield (Entech Design 9300-16SH)	1,142.75	10.01
46 82 83 00-2928	EA	Controller Floor Mount With Weathershield (Entech Design 9300-16F)	1,142.75	10.01
46 82 83 00-2929	EA	Sensor Multi-Flex Assembly (Entech Design 9300-13-13)	629.14	5.56
46 82 83 00-2930	EA	Stainless Steel, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-01)	629.14	5.56
46 82 83 00-2931	EA	Aluminum, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-02)	418.68	3.33
46 82 83 00-2932	EA	Stainless Steel, Sensor Side Pivot Knuckle (Entech Design 9300-15-01)	1,099.33	8.89
46 82 83 00-2933	EA	Controller Mounting Bracket (Entech Design ESC9510)	94.25	0.78
46 82 83 00-2934	EA	Sensor Wiper Blade Assembly Replacement (Entech Design 9306-54-19)	56.73	0.56
46 82 83 00-2935	LF	400' Sensor Cable (Entech Design 9500-24)	5.93	0.13
46 82 83 00-2936	LF	800' Sensor Cable (Entech Design 9500-24b)	8.19	0.13
46 82 83 00-2937	HR	Portal To Portal, On-Site Training And Field Service	319.32	
46 82 83 00-2938	EA	EchoSmart Print Operation And Maintainence Manual	55.62	
46 82 83 00-2939	EA	One Set Of Standard Equipment Submittal Documents	55.62	

46 82 83 00-2940 Analytical Equipment And Instrumentation (Foxboro) *(46 82 83 00-2902)*

46 82 83 00-2941	EA	Dissolved Oxygen Sensor, 4-20mA Output. Model: Foxboro Company #871DO-C-7	1,851.88	17.36
46 82 83 00-2942	EA	Dissolved Oxygen Transmitter, 4-20mA Output, Model: Foxboro Company #873DO-AIPFGZ	2,264.13	26.04

46 82 83 00-2943 Analytical Equipment And Instrumentation (Great Lakes) *(46 82 83 00-2902)*

46 82 83 00-2944	EA	pH Analyzer, 0-14pH Range, 4-20mAdc, 2 SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model Great Lakes Industries #P53A2A1N	2,571.53	22.23
46 82 83 00-2945	EA	pH Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #6028P010	1,814.80	17.36
46 82 83 00-2946	EA	ORP Analyzer, 4-20mAdc, 2SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model: Great Lakes Industries #P53A2A1N	2,571.53	22.23
46 82 83 00-2947	EA	ORP Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #2028R010	1,973.74	17.36
46 82 83 00-2948	EA	Dissolved Oxygen Analyzer, NEMA 4X, With Mounting Hardware, 0-40ppm, 4-20mAdc, 2 SPDT Relays. Model: Great Lakes Industries #D53A4A3N	3,048.33	22.23
46 82 83 00-2949	EA	Dissolved Oxygen Sensor, Submersion, 15" Cable. Model: Great Lakes Industries #5540D0C	2,307.50	17.36
		For Washer Head Air Blast Cleaning Assembly, Add	*225.00*	
46 82 83 00-2950	EA	Residual Chlorine Monitoring System, 0-5ppm, Two 4-20mAdc Relays, NEMA 4X. Model: Great Lakes industries #AC1000P1 AccuChlor	9,421.62	22.23

46 82 83 00-2951 Analytical Equipment And Instrumentation (Honeywell Analytics) *(46 82 83 00-2902)*

46 82 83 00-2952	EA	3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) Note: Configured for Remote Infrared LEL Detector	1,763.99	14.22
46 82 83 00-2953	EA	0-100%LEL Range, Gas Detection, Infrared Remote Sensor (Honeywell Analytics MPD-UTIV1)	1,851.17	22.23
46 82 83 00-2954	EA	Calibration Gas Flow Detector For MPD LEL Sensor (Honeywell Analytics 1226-A0411)	133.44	11.11
46 82 83 00-2955	EA	3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) Note: Configured For Remote Electrochemical Detector	2,462.37	14.22
46 82 83 00-2956	EA	0-25% Oxygen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSO1SS)	850.74	22.23
46 82 83 00-2957	EA	0-300ppm Carbon Monoxide, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXDC1SS)	946.78	22.23
46 82 83 00-2958	EA	16 Inputs, Modbus Communications, (4) 5 Amperes Common Relays, (32) 5-Amp Discrete Relays, 150 Watt Power Supply, UL/CSA Approved, Gas Detection Control and Annunciation Panel With NEMA 4X Enclosure (Honeywell Analytics HA71N4-16)	17,166.18	49.35
46 82 83 00-2959	EA	Nitrogen, Calibration Gas Cannister (Honeywell Analytics 2992-0011)	468.45	5.78
46 82 83 00-2960	EA	50% LEL, Methane, Calibration Gas Cannister (Honeywell Analytics 998-022-001)	437.55	5.78
46 82 83 00-2961	EA	100 ppm, Carbon Monoxide, Calibration Gas Cannister (Honeywell Analytics 998-021-001)	437.55	5.78
46 82 83 00-2962	EA	Zero Air, Calibration Gas Cannister (Honeywell Analytics 998-023-001)	437.55	5.78
46 82 83 00-2963	EA	Calibration Kit For Toxic Gas Detection Sensor And Transmitters (Honeywell Analytics XNXTOXKIT)	735.02	11.11
46 82 83 00-2964	EA	Calibration Kit For Combustible Gas Detection Sensor And Transmitters (Honeywell Analytics XNXCOMBKIT)	735.02	11.11
46 82 83 00-2965	EA	0-1,000 ppm, Hydrogen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSG1SS)	1,053.30	22.23
46 82 83 00-2966	EA	Portable Gas Detector (Honeywell Analytics MCXL-XWHM-Y-NA)	1,369.10	22.23

46 82 83 00-2967 Analytical Equipment And Instrumentation (MSA) *(46 82 83 00-2902)*

46 82 83 00-2968 Gas Detection System Controllers *(46 82 83 00-2967)*

46 82 83 00-2969	EA	8 Channel, NEMA 4X Controller For Analog 4-20mA Detectors (MSA GasGard XL-51) Note: Includes 5 channel cards, 10 discrete relays, 2 common relays, Modbus RTU Ethernet output and 100W power supply	10,968.21	44.46
		For Extra Channel Card, Add	*932.84*	
		For Relay Module With 8 Discrete Relays, Add	*734.61*	
		For Battery Backup, Add	*431.44*	
46 82 83 00-2970	EA	8 Channel, 16 Discrete Relays, 2 Common Relays, Modbus RTU And Ethernet Output, NEMA 4X Controller (MSA GasgardXL8200) Note: Price Includes Delivery ($50.00)	15,127.65	44.46
		For Battery Backup, Add	*414.08*	
46 82 83 00-2971	EA	4 Channel, NEMA 7 Explosion Proof Controller For Analog 4-20mA Detectors (MSA A-9000 XD0020100) Note: Includes 2 dual channel cards with independent AC/DC power supplies, 4 relays each and analog retransmission.	13,615.16	44.46
46 82 83 00-2972	EA	25 Channel, NEMA 4X Controller For Modbus Detectors (MSA Modcon75 DSK-3204-178) Note: Includes NEMA 4X wall mount enclosure and 100W power supply.	13,573.18	44.46
46 82 83 00-2973	EA	25 Channel, NEMA 7 Explosion Proof Controller For Modbus Detectors (MSA Modcon75 DSK-3204-230) Note: Class I, Div 1. Includes XP horn, horn silence button, custom NYCDEP relay logic and 240W power supply for sensors.	57,412.18	44.46
46 82 83 00-2974	EA	25 Channel, Panel Mount Controller For Modbus Detectors MSA Modcon75 10081284) Note: Requires power supply and wiring integration.	9,545.63	44.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2975		**Gas Detection System Accessories** *(46 82 83 00-2967)*		
46 82 83 00-2976	EA	Calibration Kit With 1.5 L/Min Regulator, Plastic Carrying Case, 20.8% O2 Zero Gas Cylinder And Tubing	1,455.24	
		For 100 PPM Carbon Monoxide (MSA 10028052), Add	*559.71*	
		For 40 PPM Hydrogen Sulfide (MSA 10028062), Add	*559.71*	
		For 50% LEL Methane (MSA 10028032), Add	*559.71*	
		For 0.6% Propane (MSA 10028034), Add	*559.71*	
46 82 83 00-2977	EA	3 Button IR Calibrator For Ultima And Trigard (MSA 809997)	746.28	
46 82 83 00-2978	EA	Handheld Controller For Ultima X And Trigard (MSA 809086)	2,346.12	
46 82 83 00-2979		**Gas Detection System Spare Parts** *(46 82 83 00-2967)*		
46 82 83 00-2980	EA	Combination Gas, Infra-Red, Methane, Stainless Steel Sensor With XP, IR, NPT Enclosure (MSA A-ULTX-SENS-38-1-0) Note: Price Includes Delivery ($5.00)	2,598.98	22.23
46 82 83 00-2981	EA	0-25%, Stainless Steel, Oxygen Sensor With XP Or GP Enclosure (MSA A-ALTX-SENS-14-1-0) Note: Price Includes Delivery ($5.00)	967.38	22.23
46 82 83 00-2982	EA	0-100 PPM, Stainless Steel, Hydrogen Sulfide Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-17-1-0) Note: Price Includes Delivery ($5.00)	1,126.01	22.23
46 82 83 00-2983	EA	Combination Gas, Natural Gas And Hydrogen, Stainless Steel Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-31-1-0) Note: Price Includes Delivery ($5.00)	1,126.01	22.23
46 82 83 00-2984	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Sulfide And Oxygen Transmitter (MSA A-ULTIMAX-XP-E01U3D10000100) Note: Price Includes Delivery ($10.00)	3,359.81	21.34
46 82 83 00-2985	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Combination Infra-Red Transmitter (MSA A-ULTIMAX-XP-E02U3D10000100) Note: Price Includes Delivery ($10.00)	3,359.81	21.34
46 82 83 00-2986	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Transmitter (MSA A-ULTIMAX-XP-E03U3D10000100) Note: Price Includes Delivery ($10.00)	3,359.81	21.34
46 82 83 00-2987	EA	m Network 2, 4-Wire Modbus, 1 LED, Stainless SteelNPT Threads Enclosure, Explosion Proof Transmitter (MSA A-ULTIMAX3-E1M100000001000000000) Note: Price Includes Delivery ($10.00)	4,597.93	21.34
46 82 83 00-2988	EA	H2S Sensor, 0-50 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1610)	1,140.55	22.23
46 82 83 00-2989	EA	Oxygen Sensor, 2-25% For Ultima XE Stainless Steel (MSA A-ULTX-SENS1410)	953.98	22.23
46 82 83 00-2990	EA	CO Sensor, 0-100 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1110)	1,140.55	22.23
46 82 83 00-2991	EA	Combustion Gas Sensor, 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3110)	953.98	22.23
46 82 83 00-2992	EA	Combustion Gas Sensor, IR 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3810)	2,644.76	22.23
46 82 83 00-2993	EA	Printed Circuit Board For Ultima XE Without Relays (MSA A-ULTX-PCBE41000)	2,261.60	
46 82 83 00-2994	EA	Printed Circuit Board For Ultima XE With Relays (MSA A-ULTX-PCBE43000)	2,739.68	
46 82 83 00-2995	EA	Printed Circuit Board For Ultima X3 Without Relays (MSA A-ULTX-PCBM1000)	2,261.60	
46 82 83 00-2996	EA	Printed Circuit Board For Ultima X3 With Relays (MSA A-ULTX-PCBM3000)	2,739.68	
46 82 83 00-2997	EA	Oxygen Sensor For B-Ultima (MSA 813723)	1,023.95	22.23
46 82 83 00-2998	EA	H2S Sensor For B-Ultima 0-50 PPM (MSA 813616)	1,467.05	22.23
46 82 83 00-2999	EA	CO Sensor For B-Ultima 0-100 PPM (MSA 813613)	1,467.05	22.23
46 82 83 00-3000	EA	Combustible Gas Sensor For B-Ultima (MSA 813624)	1,467.05	22.23
46 82 83 00-3001	EA	Pump And Drive For Ultima X Sampling Module (MSA 815395)	1,423.40	22.23
46 82 83 00-3002	EA	High Capacity End Of Line Dust/Moisture Filter (MSA 10015787)	635.09	11.11
46 82 83 00-3003	EA	End Of Line Dust/Moisture Filter (MSA 711561)	127.17	11.11
46 82 83 00-3004		**General Purpose, Fixed Gas Detection Monitors** *(46 82 83 00-2967)*		
46 82 83 00-3005	EA	Three 3-Wire mA Output, 1 LED, No Relays, UL Approved, Remote Mounted, Explosion Proof Hydrogen Gas Detector With Display (MSA A-ULTIMAX-XP-E31UD10000100) Note: Price Includes Delivery ($10.00)	4,930.16	44.46
46 82 83 00-3006	EA	20 Analog Input Channels, 30 Relays, 240W, Control System (MSA A-GASGARD1002300111) Note: Price Includes Delivery ($50.00)	35,263.07	44.46
46 82 83 00-3007	EA	Stainless Steel, Tri Gas Wet Well Monitor Note: Price Includes Delivery ($50.00)	29,857.36	44.46
		For 100 Watt Heater For Low Temperature Applications, Add	*7,305.11*	
46 82 83 00-3008	EA	Trigard Multigas Detector (MSA A-TRIGARD-AM1) Note: Includes power supply, relays, mounting bracket and Modbus output. Choose up to 3 GP sensors.	3,365.53	44.46
		For 0-500 PPM Carbon Monoxide, Or 0-25% Oxygen Or 1-100% LEL Cat Bead, Add	*1,714.10*	
		For Battery Backup, Add	*349.82*	
		For Red Or Amber Strobe, Add	*466.42*	
46 82 83 00-3009		**Explosion Proof, Fixed Gas Detection Monitors** *(46 82 83 00-2967)*		
46 82 83 00-3010	EA	Combustible Gas Detector (MSA Ultima X A-ULTIMAX-XPE38U4D10000100) Note: Includes 0-100% LEL IR Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	6,614.59	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3011	EA	Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-XPE14U4D10000100) Note: Includes 0-25% O2 Sensor, LCD, LEDs, 3 wire 4-20mA HART output, locally mounted sensor, no relays and mounting bracket.	5,218.57	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3012	EA	Hydrogen Sulfide Detector (MSA Ultima X A-ULTIMAX-XPE17U4D10000100) Note: Includes 0-100 PPM H2S Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	5,218.57	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3013	EA	Ultima X3 Multigas Explosion Proof Multigas Detector (MSA A-UltimaX3-E1M10000381100000000) Note: Inludes local 0-25% O2 sensor, remote XP 0-100 PPM H2S sensor, remote XP 0-100% LEL IR sensor and Modbus output.	6,454.63	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3014	EA	Explosion Proof DC Sampling Pump For Ultima X Gas Detector (MSA 10043264) Note: Includes flow switch, filters and requires flow caps.	3,453.52	22.23
		For Standard Flow Cap, Add	*468.75*	
		For IR Sensor Flow Cap (MSA 10042600), Add	*673.65*	
		For Wall Mounting Bracket (MSA 10047651), Add	*105.07*	
		For End Of Line Filter, Add	*568.59*	
		For 1/4" Sample Tubing, Add	*14.42*	
46 82 83 00-3015	EA	Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-PLA1404S10000100) Note: Includes 0-25% O2 Sensor, LCD, LEDs, 3 wire 4-20mA HART output, no relays and mounting bracket.	4,041.85	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3016	EA	Carbon Monoxide Gas Detector (MSA Ultima X A-ULTIMAX-PLA1204S10000100) Note: Includes 0-500 PPM CO Sensor, LCD, LEDs, 3 wire 4-20mA HART output, no relays and mounting bracket.	4,041.85	44.46
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3017	EA	Analog/HART Ouput, Combustible, Infra-Red 5% Methane Sensor, Stainless Steel "New Technology" Gas Monitor (MSA UltimaX5000F000AA000) Note: Price Includes Delivery ($10.00)	6,792.49	44.46
46 82 83 00-3018	EA	Catalytic 5% Methane, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00060000)	5,789.22	44.46
46 82 83 00-3019	EA	0-50 PPM, Hydrogen Sulfide, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00021000)	5,898.40	44.46
46 82 83 00-3020	EA	Stainless Steel, Oxygen. Gas Monitor With Remote Junction Box (MSA UltimaX5000F00016000)	5,680.03	44.46
46 82 83 00-3021	EA	0-100 PPM, Stainless Steel, Carbon Monoxide, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00010000)	5,898.40	44.46
		For Relays, Add	*436.74*	

46 82 83 00-3022 Analytical Equipment And Instrumentation (Powers) *(46 82 83 00-2902)*

46 82 83 00-3023	EA	Chlorination PID Controller, Analog Output, Five Digital Inputs. Model: Powers Process Control #555-20000BD000	3,818.88	27.79

46 82 83 00-3024 Analytical Equipment And Instrumentation (Pulsar, Inc.) *(46 82 83 00-2902)*

46 82 83 00-3025	EA	Level Monitoring System, Continuous Measurement Sensor For Liquids Or Slurries, Pulsar Model: Merit-80	2,143.42	22.23
46 82 83 00-3026	EA	Level Monitoring (Non-Isolation Output) Pulsar Model: Blackbox 130	1,618.68	22.23
46 82 83 00-3027	EA	Level Monitoring, Digital Communication - Modbus RTU Pulsar Model: Blackbox 134	1,749.86	22.23
46 82 83 00-3028	EA	Level Monitoring, Digital Communication - Profibus DP Pulsar Model: Blackbox 135	2,274.60	22.23
46 82 83 00-3029	EA	Level Controller System, For Liquid, Slurry Or Solids Pulsar Model: Vanguard 90	2,327.08	22.23
46 82 83 00-3030	EA	Level Controller System, For Liquid Or Solids Pulsar Model: Vanguard 100	2,641.92	22.23
46 82 83 00-3031	EA	Flow, RTU And Pump Controller Pulsar Model: Zenith 140	3,770.11	22.23
46 82 83 00-3032	EA	Open Channel Flowmeter, Pulsar Model: Oracle 160	3,061.72	22.23
46 82 83 00-3033	EA	Open Channel Flowmeter With Velocity Input Pulsar Model: Oracle 160 Plus	3,586.46	22.23
46 82 83 00-3034	EA	Sewer Flow Monitor And Sensor Pulsar Model: N-Speedy Flow	5,541.11	22.23
46 82 83 00-3035	EA	dB3 With 5M Transducer, Pulsar Model: DB03-05	1,041.47	22.23
46 82 83 00-3036	EA	dB6 With 5M Transducer, Pulsar Model: DB06-05	1,198.89	22.23
46 82 83 00-3037	EA	dB10 With 5M Transducer, Pulsar Model: DB10-05	1,356.31	22.23
46 82 83 00-3038	EA	dB15 With 5M Transducer, Pulsar Model: DB15-05	1,959.76	22.23
46 82 83 00-3039	EA	dB25 With 5M Transducer, Pulsar Model: DB25-05	3,061.72	22.23
46 82 83 00-3040	EA	dB40 With 5M Transducer, Pulsar Model: DB40-05	4,767.12	22.23
46 82 83 00-3041	EA	Ultra PC Software Program And RS232-RJ11 Connection Lead Pulsar Model: PCULTRA SW	962.76	22.23

46 82 83 00-3042 Analytical Equipment And Instrumentation (Rosemount) *(46 82 83 00-2902)*

46 82 83 00-3043	EA	4-Wire pH Analyzer, LCD, 0-14pH Range, Model: Rosemount Analytical #1054BPH-01	2,473.39	22.23
		For Panel Mounting Kit, Add	*20.00*	
		For Mounting Bracket For Pipe, Add	*66.00*	
46 82 83 00-3044	EA	4-Wire pH Analyzer, HART Protocol, NEMA 4X, 0-14pH Range, Model: Rosemount Analytical #54PH-09	4,026.07	22.23
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3045	EA	pH Sensor, 10' Cable, Wetted Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07	947.68	11.11
		For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	*140.00*	
46 82 83 00-3046	EA	pH Sensor, Insertion/Submersion With Integral Amplifier And Cable, 0-14pH Range. Model: Rosemount Analytical #385+-03-11	1,205.95	11.11
46 82 83 00-3047	EA	4-Wire ORP Analyzer, LCD, +/-1500mV Output Span. Model: Rosemount Analytical #1054BORP-01	2,473.39	22.23
46 82 83 00-3048	EA	4-Wire ORP Analyzer, HART Protocol, NEMA 4X, 0-14ph Range, +/-1400mV. Model: Rosemount Analytical #54ORP-09	4,026.07	22.23
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3049	EA	ORP Sensor, 10' Cable, wetting Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07	947.68	11.11
		For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	*140.00*	
46 82 83 00-3050	EA	ORP Sensor, Insertion/Submersion With Integral Amplifier And Cable, +/- 1400mV. Model: Rosemount Analytical #385+-03-01	1,205.95	11.11
46 82 83 00-3051	EA	4-Wire Conductivity Analyzer, 2 Outlets, 4 Relays. Model: Rosemount Analytical #54C-08	3,149.81	22.23
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3052	EA	4-Wire Conductivity Analyzer, LCD. Model: Rosemount Analytical #1054BC-01	2,473.39	22.23
		For Mounting Bracket For Pipe, Add	*66.00*	
		For Mounting Bracket, Wall, With Junction Box, Add	*224.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3053	EA	Conductivity Analyzer/Controller, HART Protocol. Model: Rosemount Analytical #54eC	4,026.07	22.23
46 82 83 00-3054	EA	Retractable Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Parts. Model: Rosemount Analytical #140-06	2,263.81	17.36
		For 316 Stainless Steel Ball Valve Kit, Add	*400.00*	
46 82 83 00-3055	EA	Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #141-06-13-54	1,080.09	17.36
46 82 83 00-3056	EA	Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #142-03-13-54	1,264.57	17.36
46 82 83 00-3057	EA	4-Wire Total Free Residual Chlorine Analyzer, LCD, Isolated Output. Model: Rosemount Analytical #1054BCL-01	3,349.66	22.23
46 82 83 00-3058	EA	Chlorine Sensor, 25' Cable, 1" MNPT Process Connections. Model: Rosemount Analytical #1054BCL-01	2,122.38	17.36

46 82 83 00-3059 Analytical Equipment And Instrumentation (Sierra) *(46 82 83 00-2902)*

46 82 83 00-3060 Gas Detection System Sensors *(46 82 83 00-3059)*

46 82 83 00-3061	EA	Catalytic Bead, Combustible Gas Sensor Module (Sierra 5100-02-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,186.96	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Conformal Transmitter (02), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3062	EA	Oxygen Gas Sensor Module (Sierra 5100-03-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,598.98	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3063	EA	Carbon Monoxide Gas Sensor Module (Sierra 5100-04-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3064	EA	Hydrogen Sulfide Gas Sensor Module (Sierra 5100-05-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3065	EA	Chlorine Gas Sensor Module (Sierra 5100-06-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3066	EA	Chlroine Dioxide Gas Sensor Module (Sierra 5100-08-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3067	EA	Sulfur Dioxide Gas Sensor Module (Sierra 5100-10-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3068	EA	Nitrogen Dioxide Gas Sensor Module (Sierra 5100-12-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3069	EA	Hydrogen Chloride Gas Sensor Module (Sierra 5100-21-IT) Note: Includes A1/A2 Aluminum Enclosure)	3,258.22	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3070	EA	Ammonia Gas Sensor Module (Sierra 5100-25-IT) Note: Includes A1/A2 Aluminum Enclosure)	3,258.22	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3071	EA	Hydrogen Fluoride Gas Sensor Module (Sierra 5100-26-IT) Note: Includes A1/A2 Aluminum Enclosure)	3,752.64	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3072	EA	0-20 PPM, Ethylene Oxide Gas Sensor Module (Sierra 5100-27-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,701.99	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3073	EA	Infra-Red, Combustible Gas Sensor Module (Sierra 5100-28-IT) Note: Includes Type 01 Standard (Methane)	3,423.02	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Conformal Transmitter (02), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3074	EA	Carbon Dioxide Gas Sensor Module (Sierra 5100-88-IT)	3,423.02	22.23
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3075	EA	Analog/Digital Transmitter (Sierra 5100-99-IT)	2,085.37	14.22
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	

46 82 83 00-3076 Gas Detection System Control Panels *(46 82 83 00-3059)*

Note: Includes DC 24V Power and Sentry InSite Proto-Air WiFi

46 82 83 00-3077	EA	8-Channel Controller (Sierra 5000-08-IT)	6,232.42	44.46
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	
46 82 83 00-3078	EA	16-Channel Controller (Sierra 5000-16-IT)	9,695.50	66.69
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3079	EA	32-Channel Controller (Sierra 5000-32-IT)	14,847.00	88.92
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	

46 82 83 00-3080 Gas Detection System Spare Parts *(46 82 83 00-3059)*

46 82 83 00-3081	EA	24 Volt DC, Red, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL44067) Note: Spare Part	271.93
46 82 83 00-3082	EA	24 Volt DC, Green, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44068) Note: Spare Part	271.93
46 82 83 00-3083	EA	24 Volt DC, Yellow, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44063) Note: Spare Part	271.93
46 82 83 00-3084	EA	24 Volt DC, Blue, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44070) Note: Spare Part	271.93
46 82 83 00-3085	EA	22mm, Red, Panel Sealed, Pushbutton SPDT Switch For Sentry IT Fire And Gas Controller (Sierra SPL 48086) Note: Spare Part	226.61
46 82 83 00-3086	EA	10A SLO-BLO Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49140) Note: Spare Part	20.60
46 82 83 00-3087	EA	3A, Class CC, Time Delay Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49185) Note: Spare Part	51.50
46 82 83 00-3088	EA	DIN Rail, Terminal Block Fuse Holder For Sentry IT Fire And Gas Controller (Sierra SPL 59135) Note: Spare Part	103.00
46 82 83 00-3089	EA	Class CC, UL List, Holder Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 69072) Note: Spare Part	154.51
46 82 83 00-3090	EA	Quarter-Turn With Screw Driver, Latch For Sentry IT Fire And Gas Controller (Sierra SPL 69218) Note: Spare Part	309.02
46 82 83 00-3091	EA	24 Volt AC/24 Volt DC, 10 Amperes, Power Supply For Sentry IT Fire And Gas Controller (Sierra SPL 69231) Note: Spare Part	1,225.76
46 82 83 00-3092	EA	Sentry InSite Appliance (Sierra FPC-N38-0027) Note: Spare Part	3,090.15
46 82 83 00-3093	EA	5.7" TFT, LCD, PXA270 Touch Panel For Sentry IT Fire And Gas Controller (Sierra SPL 25077) Note: Spare Part	3,905.95
46 82 83 00-3094	EA	ARM Sentry IT, CPU Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21918) Note: Spare Part	3,090.15
46 82 83 00-3095	EA	Modbuc RTU RS485, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21901) Note: Spare Part	3,399.16
46 82 83 00-3096	EA	Sentry PSG Bus, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21900) Note: Spare Part	3,090.15
46 82 83 00-3097	EA	Relay 8A Or DO, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21899) Note: Spare Part	3,090.15
46 82 83 00-3098	EA	Digital Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21898) Note: Spare Part	3,090.15
46 82 83 00-3099	EA	Analog Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21896) Note: Spare Part	3,090.15
46 82 83 00-3100	EA	Analog Output, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21897) Note: Spare Part	3,090.15
46 82 83 00-3101	EA	Rainshield For Sentry IT Fire And Gas Controller (Sierra 5311-00) Note: Spare Part	57.68
46 82 83 00-3102	EA	Rainshield With Calibration Port For Sentry IT Fire And Gas Controller (Sierra 5311-02) Note: Spare Part	115.37
46 82 83 00-3103	EA	NEMA 12, IT Power Supply For Sentry IT Fire And Gas Controller (Sierra 5333-00) Note: Spare Part	1,611.00
46 82 83 00-3104	EA	Duct Mount Fitting For Sentry IT Fire And Gas Controller (Sierra 5394-00) Note: Spare Part	222.49
46 82 83 00-3105	EA	Remote Sensor Kit For Sentry 5100-28-IT-A1 Controller (Sierra 5394-50-A1) Note: Spare Part	1,091.85
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*
		For Conformal Sensor (01), Add	*82.40*
		For Severe Service Environment (03), Add	*247.21*
46 82 83 00-3106	EA	Remote Sensor Kit For Sentry 5100-28-IT-S1 Controller (Sierra 5394-50-S1) Note: Spare Part	1,856.15
46 82 83 00-3107	EA	Remote Sensor Kit For Sentry 5100-02-IT-A1 Controller (Sierra 5394-51-A1) Note: Spare Part	741.64
46 82 83 00-3108	EA	Remote Sensor Kit For Sentry 5100-02-IT-S1 Controller (Sierra 5394-51-S1) Note: Spare Part	1,027.99
46 82 83 00-3109	EA	Remote Sensor Kit For Sentry 5100-02-IT-S2 Controller (Sierra 5394-51-S2) Note: Spare Part	974.43
46 82 83 00-3110	EA	Remote Sensor Kit For Sentry5100-XX-IT-A1 Controller (Sierra 5394-52-A1) Note: Spare Part	562.41
46 82 83 00-3111	EA	Remote Sensor Kit For Sentry 5100-XX-IT-S1 Controller (Sierra 5394-52-S1) Note: Spare Part	677.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3112	EA	Sample Draw Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-01) Note: Spare Part	1,347.31	
46 82 83 00-3113	EA	Sample Draw/Dilution Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-02) Note: Spare Part	1,897.35	
46 82 83 00-3114	EA	1-Channel, Sample Draw System For Sentry IT Fire And Gas Controller (Sierra 5398-21) Note: Spare Part	5,154.37	
46 82 83 00-3115	EA	Sample Draw Fitting For Sentry IT Fire And Gas Controller (Sierra 5399-01) Note: Spare Part	764.30	
46 82 83 00-3116	EA	2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, IME (Sierra SPL21877) Note: Spare Part	179.23	
46 82 83 00-3117	EA	2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, Limatherm (Sierra SPL21920) Note: Spare Part	179.23	
46 82 83 00-3118	EA	Ceiling Mount Assembly For Sentry IT Fire And Gas Controller (Sierra SPL68002) Note: Spare Part	84.46	
46 82 83 00-3119	EA	1" x 3", Stainless Steel Tag For Sentry IT Fire And Gas Controller (Sierra SPX39128-1) Note: Spare Part	94.76	
46 82 83 00-3120	EA	1" x 3" Red, Phenolic, Engraved Tag For Sentry IT Fire And Gas Controller (Sierra SPX39177) Note: Spare Part	65.92	
46 82 83 00-3121	EA	Type A Gas Sensor Calibrator Kit (Sierra 1250-01) Note: Spare Part	793.14	
46 82 83 00-3122	EA	Type B Gas Sensor Calibrator Kit (Sierra 1250-02) Note: Spare Part	2,970.66	
46 82 83 00-3123	EA	Type C Gas Sensor Calibrator Kit (Sierra 1250-03) Note: Spare Part	1,804.65	
46 82 83 00-3124	EA	Type X Gas Sensor Calibrator Kit (Sierra 1250-99) Note: Spare Part	1,759.33	
46 82 83 00-3125	EA	Air, (A), 105L Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-00) Note: Spare Part	412.02	
46 82 83 00-3126	EA	50% LEL, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-02) Note: Spare Part	412.02	
46 82 83 00-3127	EA	100 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-04) Note: Spare Part	412.02	
46 82 83 00-3128	EA	25PPM, (A), 57L, H2S-N2Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-05) Note: Spare Part	484.12	
46 82 83 00-3129	EA	5 PPM, (C), 104L, Cl2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-06) Note: Spare Part	1,277.26	
46 82 83 00-3130	EA	50 PPM, (B), 74L, SO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-10) Note: Spare Part	999.15	
46 82 83 00-3131	EA	10 PPM, (B), 74L, NO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-12) Note: Spare Part	999.15	
46 82 83 00-3132	EA	1,000 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-13) Note: Spare Part	484.12	
46 82 83 00-3133	EA	50% LEL, (A), 105L, Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-28) Note: Spare Part	484.12	
46 82 83 00-3134	EA	50% Vol, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-29) Note: Spare Part	484.12	
46 82 83 00-3135	EA	4 Channel, 25% LEL, (A), 105L, Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-30) Note: Spare Part	504.72	
46 82 83 00-3136	EA	35% LEL, (A), 105L , Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-31) Note: Spare Part	999.15	
46 82 83 00-3137	EA	50% LEL, (A), 105L, H2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-42) Note: Spare Part	412.02	
46 82 83 00-3138	EA	2,000 PPM, (A), 105L, CO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-80) Note: Spare Part	412.02	
46 82 83 00-3139	EA	Non-Standard Gas Type Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-99) Note: Spare Part	1,266.96	
46 82 83 00-3140	EA	Permeation Type Calibrator For Sentry IT Fire And Gas Controller (Sierra 9210-00) Note: Spare Part	3,337.36	
46 82 83 00-3141	EA	H2S Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-01) Note: Spare Part	1,874.69	
46 82 83 00-3142	EA	NH3 Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-09) Note: Spare Part	1,874.69	
46 82 83 00-3143	EA	Standard Calibration Adapter For Sentry IT Fire And Gas Controller (Sierra 5358-01) Note: Spare Part	76.22	
46 82 83 00-3144	EA	IT Calibration And Configuration Magnetic Tool For Sentry IT Fire And Gas Controller (Sierra 5358-50) Note: Spare Part	37.08	
46 82 83 00-3145	EA	Fixed Calibration Gas Delivery Fitting (Sierra 5360-00) Note: Spare Part	88.58	
46 82 83 00-3146	EA	1250 Calibrator Series Case (Sierra 1255-01) Note: Spare Part	463.52	
46 82 83 00-3147	EA	36" PTFE Calibration Tubing (Sierra 1255-02) Note: Spare Part	41.20	
46 82 83 00-3148	EA	Type A Regulator For 1250 Calibrator Series (Sierra 1256-01) Note: Spare Part	360.52	
46 82 83 00-3149	EA	Type B Regulator For 1250 Calibrator Series (Sierra 1256-02) Note: Spare Part	2,678.13	
46 82 83 00-3150	EA	Type C Regulator For Calibrator 1250 Series (Sierra 1256-03) Note: Spare Part	1,545.08	
46 82 83 00-3151	EA	Type A, Custom Flow Regulator (Sierra 1256-98) Note: Spare Part	927.04	
46 82 83 00-3152	EA	Delivery Tube And Fitting For Model 1200-26 (Sierra SPB22048) Note: Spare Part	57.68	
46 82 83 00-3153	EA	SPB24001 1290-XX Cylinders Calibrator (Sierra SPB24001) Note: Spare Part	1,071.25	
46 82 83 00-3154	EA	Plastic Carrying Case For Model 1200-26 (Sierra SPB32064) Note: Spare Part	109.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3155	EA	0-2 SCFH Flow Meter (Sierra SPB64001) Note: Spare Part	226.61	
46 82 83 00-3156	EA	3' Delivery Tube For Model 9210-00 (Sierra SPB64011) Note: Spare Part	14.42	
46 82 83 00-3157	EA	3/4" NPT To M20 x 1.5, Stainless Steel, Adapter Fitting (Sierra 39128) Note: Spare Part	51.69	
46 82 83 00-3158	EA	% LEL, Aluminum, Combustibles Sensor Assembly (Sierra 5200-02-IT-AL) Note: Spare Part	731.34	
46 82 83 00-3159	EA	% LEL, Stainless Steel, Combustibles Sensor Assembly (Sierra 5200-02-IT-SS) Note: Spare Part	854.94	
46 82 83 00-3160	EA	Sensor For Model 5100-03-IT (Sierra 5200-03-IT) Note: Spare Part	679.83	
46 82 83 00-3161	EA	Sensor For Model 5100-04-IT (Sierra 5200-04-IT) Note: Spare Part	844.64	
46 82 83 00-3162	EA	Sensor For Model 5100-05-IT(Sierra 5200-05-IT) Note: Spare Part	906.44	
46 82 83 00-3163	EA	Sensor For Model 5100-06-IT (Sierra 5200-06-IT) Note: Spare Part	1,060.95	
46 82 83 00-3164	EA	Sensor For Model 5100-08-IT (Sierra 5200-08-IT) Note: Spare Part	1,060.95	
46 82 83 00-3165	EA	Sensor For Model 5200-10-IT (Sierra 5200-10-IT) Note: Spare Part	1,122.75	
46 82 83 00-3166	EA	Sensor For Model 5200-12-IT (Sierra 5200-12-IT) Note: Spare Part	1,060.95	
46 82 83 00-3167	EA	Sensor For Model 5100-25-IT (Sierra 5200-25-IT) Note: Spare Part	2,781.14	
46 82 83 00-3168	EA	Sensor For Model 5100-26-IT (Sierra 5200-26-IT) Note: Spare Part	3,131.35	
46 82 83 00-3169	EA	%LEL, IR Combustibles, Aluminum Sensor Assembly (Sierra 5200-28-IT-AL) Note: Spare Part	1,555.38	
46 82 83 00-3170	EA	%LEL, IR Combustibles, Stainless Steel Sensor Assembly (Sierra 5200-28-IT-SS) Note: Spare Part	1,854.09	
46 82 83 00-3171	EA	3/4" NPT to M20, ATEX, Stainless Steel Adapter Fitting (Sierra 68023) Note: Spare Part	113.31	
46 82 83 00-3172	EA	IR Transmitter Assembly For Model 5100-28-IT (Seirra SPL21806) Note: Spare Part	1,606.88	
46 82 83 00-3173	EA	Aluminum Enclosure For IT Series (Sierra SPL21810) Note: Spare Part	515.02	
46 82 83 00-3174	EA	Transmitter Assembly For Model 5100-02-IT (Sierra SPL21813) Note: Spare Part	1,586.28	
46 82 83 00-3175	EA	Stainless Steel Enclosure For IT Series (Sierra SPL21823) Note: Spare Part	597.43	
46 82 83 00-3176	EA	Transmitter Assembly For Model 5100-XX-IT, Toxics (Sierra SPL21824) Note: Spare Part	1,606.88	
46 82 83 00-3177	EA	Interface Board Without Relay For Model 5100-XX-IT (Sierra SPL21825) Note: Spare Part	463.52	
46 82 83 00-3178	EA	Interface Board With Relay For Model 5100-XX-IT (Sierra SPL21829) Note: Spare Part	638.63	
46 82 83 00-3179	EA	Aluminum Sensor Assembly For Model 5100-05-IT (Sierra SPL21830) Note: Spare Part	1,503.87	
46 82 83 00-3180	EA	Aluminum Sensor Assembly For Model 5100-04-IT (Sierra SPL21832) Note: Spare Part	1,503.87	
46 82 83 00-3181	EA	Aluminum Sensor Assembly For Model 5100-06/08-IT (Sierra SPL21833) Note: Spare Part	1,617.18	
46 82 83 00-3182	EA	Aluminum Sensor Assembly For Model 5100-03-IT (Sierra SPL21834) Note: Spare Part	1,524.47	
46 82 83 00-3183	EA	Plastic Sensor Assembly For Model 5100-25-IT (Sierra SPL21840) Note: Spare Part	2,307.31	
46 82 83 00-3184	EA	Aluminum Sensor Assembly For Model 5100-10-IT (Sierra SPL21844) Note: Spare Part	1,617.18	
46 82 83 00-3185	EA	Aluminum Sensor Assembly For Model 5100-12-IT (Sierra SPL21845) Note: Spare Part	1,617.18	
46 82 83 00-3186	EA	HART Interface Board For IT Series (Sierra SPL21876) Note: Spare Part	556.23	
46 82 83 00-3187	EA	Stainless Steel Sensor Assembly For Model 5100-05-IT (Sierra SPL27074) Note: Spare Part	1,617.18	
46 82 83 00-3188	EA	Stainless Steel Enclosure For Model 4501 (Sierra SPL27077) Note: Spare Part	515.02	
46 82 83 00-3189	EA	Stainless Steel Sensor Assembly For Model 5100-03-IT (Sierra SPL27082) Note: Spare Part	1,617.18	
46 82 83 00-3190	EA	Stainless Steel Sensor Assembly For Model 5100-04-IT (Sierra SPL27083) Note: Spare Part	1,617.18	
46 82 83 00-3191	EA	Stainless Steel Sensor Assembly For Model 5100-06/08-IT (Sierra SPL27084) Note: Spare Part	1,720.18	
46 82 83 00-3192	EA	Aluminum Enclosure For Model 4501 (Sierra SPL27085) Note: Spare Part	432.62	
46 82 83 00-3193	EA	Stainless Steel Sensor Assembly For Model 5100-10-IT (Sierra SPL27087) Note: Spare Part	1,720.18	
46 82 83 00-3194	EA	Stainless Steel Sensor Assembly For Model 5100-12-IT (Sierra SPL27088) Note: Spare Part	1,720.18	
46 82 83 00-3195	EA	IR Combus Sensor Element For Model 5100-28-IT (Sierra SPL33062) Note: Spare Part	1,102.15	
46 82 83 00-3196	EA	Remote Sensor Cable For Model 5394-52 (Sierra SPL53050) Note: Plus $3.00/LF (Spare Parts)	115.37	
46 82 83 00-3197	EA	Remote Sensor Cable For Model 5394-50 IR (Sierra SPL53051) Note: Plus $3.00/LF (Spare Parts)	115.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3198	EA	Remote Sensor Kit Cable For Model 5394-51 (Sierra SPL53057) Note: Plus $3.00/LF (Spare Parts)	115.37	
46 82 83 00-3199	EA	CO Sensor For Models 4501-04, 5100-04-IT (Sierra SPM33030) Note: Spare Part	844.64	
46 82 83 00-3200	EA	H2S Sensor For Models 4501-05, 5100-05-IT (Sierra SPM33041) Note: Spare Part	906.44	
46 82 83 00-3201	EA	O2 Sensor For Models 4501-03, 5100-03-IT (Sierra SPM33044) Note: Spare Part	679.83	
46 82 83 00-3202	EA	CL2 Sensor For Models 4501-06, 5100-06/08-IT (Sierra SPM33050) Note: Spare Part	1,060.95	
46 82 83 00-3203	EA	SO2 Sensor For Models 4501-10, 5100-10-IT (Sierra SPM33052) Note: Spare Part	1,122.75	
46 82 83 00-3204	EA	NO2 Sensor For Models 4501-12, 5100-12-IT (Sierra SPM33054) Note: Spare Part	1,060.95	
46 82 83 00-3205	EA	Sensor Recharge Kit For Model 4101/5100-25 (Sierra SPX27057) Note: Spare Part	463.52	
46 82 83 00-3206	EA	Sensor Recharge Kit For Model 4101/5100-26 (Sierra SPX27061) Note: Spare Part	535.63	
46 82 83 00-3207	EA	Membrane Filter For Model 5100/4101-25 (Sierra SPX57009) Note: Spare Part	267.81	
46 82 83 00-3208	EA	Electrolyte For Model 5100/4101-25 (Sierra SPX99017) Note: Spare Part	288.41	

46 82 83 00-3209 Analytical Equipment And Instrumentation (Weir) *(46 82 83 00-2902)*

46 82 83 00-3210	EA	420 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 1500C) Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.	59,759.78	677.97
46 82 83 00-3211	EA	700 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 2000C) Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.	118,257.93	990.88
46 82 83 00-3212	EA	18" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	144,385.43	1,182.11
46 82 83 00-3213	EA	24" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	261,101.61	2,086.06
46 82 83 00-3214	EA	30" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 5 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	373,053.83	3,059.57

46 82 83 00-3215 Analytical Equipment And Instrumentation (Yokogawa) *(46 82 83 00-2902)*

46 82 83 00-3216	EA	2-Wire General Purpose ORP Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q	3,226.67	22.23
46 82 83 00-3217	EA	4-Wire ORP Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q	3,272.79	22.23
46 82 83 00-3218	EA	Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS	818.75	17.36
46 82 83 00-3219	EA	2-Wire General Purpose Conductivity Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #SC200G-C-U-E*B/U	3,226.67	22.23
46 82 83 00-3220	EA	4-Wire Conductivity Converter, Mounting Bracket Included. Model: Yokogawa #SC402G-E-1-E/Q/PIN/Q/PM/U	3,272.79	22.23
46 82 83 00-3221	EA	4-Wire Conductivity Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #SC41-SH24	698.84	17.36
		For 20' Cable, Add	*85.00*	
		For Each Additional LF Of Cable Extension, Add	*2.25*	
46 82 83 00-3222	EA	2-Wire General Purpose pH Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q	3,226.67	22.23
46 82 83 00-3223	EA	4-Wire pH Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q	3,272.79	22.23
46 82 83 00-3224	EA	Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS	818.75	17.36
		For Each Additional LF Of Cable Extension, Add	*2.25*	

46 82 83 00-3225 Analytical Equipment And Instrumentation (YSI) *(46 82 83 00-2902)*

46 82 83 00-3226 IQ System 2020 Controllers and Module *(46 82 83 00-3225)*

46 82 83 00-3227	EA	100-240 Volt AC And USB Power Supply Interface, 5 Free IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 026Y, MIQ/TC 2020 3G-MC3)	7,734.64	44.46
46 82 83 00-3228	EA	3 Current Outputs, 3 Relay Outputs, 100-240 Volt AC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 022Y, MIQ/TC 2020 3G-H3)	6,344.50	44.46
46 82 83 00-3229	EA	6 Current Outputs, 100-240 Volt AC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 024Y, MIQ/TC 2020 3G-H3 C6)	6,344.50	44.46
46 82 83 00-3230	EA	System 2020 3G Terminal/Controller Only (YSI 470 020Y, MIQ/TC 2020 3G) Note: Used As redundant (back up) controller. Complete with USB interface. No modules included.	4,557.20	44.46
46 82 83 00-3231	EA	Extended Warranty, 2020 Terminal Controllers, 1 Additional Year (YSI Ext-War-2020-1)	535.63	
46 82 83 00-3232	EA	Extended Warranty, 2020 Terminal Controllers, 2 Additional Years (YSI Ext-War-2020-2)	1,071.25	

46 82 83 00-3233 2020 System Modules *(46 82 83 00-3225)*

46 82 83 00-3234	EA	2 Free IQ SensorNet Connections In Module Housing, Automatic Barometric Pressure Compensation, USB Interface (IP67), Ethernet RJ45 Interface (IP 67)Module IQ/Microcontroller For System 2020 XT (YSI 471 020Y, MIQ/MC3)	3,050.31	28.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3235	EA	2 Free IQ SensorNet Connections, RS-485 MODBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 022Y, MIQ/MC3-MOD)	5,247.02	28.01
46 82 83 00-3236	EA	2 Free IQ SensorNet Connections, RS-485 PROFIBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 023Y, MIQ/MC3-PR)	5,556.51	28.01
46 82 83 00-3237	EA	RS-485 MODBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Compensation, Module IQ (YSI 471 026Y, MIQ/3-MOD)	4,662.86	28.01
46 82 83 00-3238	EA	RS-485 PROFIBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Correction For DO, Module IQ (YSI 471 027Y, MIQ/3-PR)	4,861.45	28.01
46 82 83 00-3239	EA	4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JB) Note: Used with 182 and 2020XT.	609.25	16.67
46 82 83 00-3240	EA	6 Analog Outputs, 2 IQ Sensor Net Connection, Output Module (YSI 480 015Y, MIQ/C6) Note: Used with 182 and 2020XT.	1,942.17	27.79
46 82 83 00-3241	EA	3 Analog And 3 Relay, 2 IQ Sensor Net Connection, Output Module (YSI 480 014Y, MIQ/CR3) Note: Used with 182 and 2020XT.	1,489.39	27.79
46 82 83 00-3242	EA	6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6) Note: Used with 182, 184XT and 2020XT.	1,793.23	27.79
46 82 83 00-3243	EA	100-240 Volt AC, 18 Watt, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS) Note: Used with 2020XT.	1,068.38	27.79
46 82 83 00-3244	EA	2 Analog Inputs, 2 IQ Sensor Net Connections, Input Module (YSI 480 016Y, MIQ/IC2) Note: Used with 2020XT. For adding other equipment to IQ System.	1,247.11	27.79
46 82 83 00-3245	EA	4 IQ Sensor Net Connections, Junction Box With Amplifier (YSI 480 010Y, MIQ/JBR) Note: Used with 2020XT.	1,224.88	16.67
46 82 83 00-3246	EA	24V AC/DC, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 006Y, MIQ/24V) Note: Used with 2020XT.	1,465.56	27.79
46 82 83 00-3247	EA	3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232) Note: Used with 182 and 2020XT. For service only. Ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020 XTs only. You cannot connect to a modem. Includes RS-232 cable and software.	1,684.01	27.79
46 82 83 00-3248	EA	2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: Used with 182, 184XT and 2020XT.	1,604.57	27.79
46 82 83 00-3249	EA	USB/RS232 Port, Ethernet Adapter Set (YSI 902 887Y, MIQ/TM/SET) Note: Used with 2020XT. No ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020s only. You can connect to a modem. Includes software. Excludes LAN adapter.	1,177.24	2.77
46 82 83 00-3250	EA	3 IQ SensorNet Connection, Radio Module (YSI 480 025Y, MIQ/WL PS Set) Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	2,915.27	27.79
46 82 83 00-3251	EA	3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS) Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	1,664.15	27.79

46 82 83 00-3252 IQ System 182 Controllers *(46 82 83 00-3225)*

46 82 83 00-3253	EA	3 Relays, Two 4-20mA Outputs, 100-240 Volt AC, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 000Y, DIQ/S 182)	3,179.07	44.46
46 82 83 00-3254	EA	5 Relays, Four 4-20mA Outputs, 100-240 Volt AC, 3 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 001Y, DIQ/S 182XT)	3,766.20	44.46
46 82 83 00-3255	EA	Profibus Output, 100-240 Volt AC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 002Y, DIQ/S 182-PR)	3,570.49	44.46
46 82 83 00-3256	EA	Modbus Output, 100-240 Volt AC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 003Y, DIQ/S 182-MOD)	3,570.49	44.46
46 82 83 00-3257	EA	3 Relays, Two 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 010Y, DIQ/S 182/24V)	3,436.58	44.46
46 82 83 00-3258	EA	5 Relays, Four 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 011Y, DIQ/S 182XT/24V)	3,982.51	44.46
46 82 83 00-3259	EA	Profibus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 012Y, DIQ/S 182/24V-PR)	4,003.11	44.46
46 82 83 00-3260	EA	Modbus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 013Y, DIQ/S 182/24V-MOD)	3,900.10	44.46
46 82 83 00-3261	EA	6 Relays, Five 4-20mA Outputs, 100-240 Volt AC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 015Y, DIQ/S 182 XT-4)	4,075.21	44.46
46 82 83 00-3262	EA	3 Relays, Profibus-DP, 100-240 Volt AC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 017Y, DIQ/S 182 XT-4-PR)	4,322.43	44.46
46 82 83 00-3263	EA	3 Relays, ModBUS RTU/RS 485, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 019Y, DIQ/S 182 XT-4-MOD)	4,198.82	44.46
46 82 83 00-3264	EA	6 Relays, Five 4-20mA Outputs, 24V AC/DC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 021Y, DIQ/S 182 XT-4/24V)	4,322.43	44.46
46 82 83 00-3265	EA	3 Relays, Profibus-DP, 24V AC/DC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 023Y, DIQ/S 182 XT-4/24V PR)	4,652.04	44.46
46 82 83 00-3266	EA	3 Relays, ModBUS RTU/RS 485, 24V, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 024Y, DIQ/S 182 XT-4/24V MOD)	4,466.63	44.46

46 82 83 00-3267 IQ System 282 Modules *(46 82 83 00-3225)*

46 82 83 00-3268	EA	System 282 Junction Box (YSI 472 005Y, DIQ/JB) Note: Used with 182. Only for use with 182's, non-stackable, needs mounting.	247.82	16.67
46 82 83 00-3269	EA	1 Relay, System 282 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: Used with 182. For use with plant air.	1,227.25	27.79
46 82 83 00-3270	EA	100-240 Volt AC, 18 Watt, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS) Note: Used with 182 and 2020XT.	1,227.25	27.79
46 82 83 00-3271	EA	4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JB) Note: Used with 182 and 2020XT.	847.56	16.67
46 82 83 00-3272	EA	6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6) Note: Used with 182, 184XT and 2020XT.	1,842.88	27.79
46 82 83 00-3273	EA	3 Analog, 3 Relay, 2 IQ Sensor Net Connections, Output Module (YSI 480 014Y, MIQ/CR3) Note: Used with 182 and 2020XT.	1,684.01	27.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3274	EA	6 Analog Outputs, 2 IQ Sensor Net Connections, Output Module (YSI 480 015Y, MIQ/C6) Note: Used with 182 and 2020XT.	2,021.61	27.79
46 82 83 00-3275	EA	3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232) Note: Used with 182 and 2020XT. When used with 182, for software updates only. For service only. Includes RS-232 cable and software.	1,664.15	27.79
46 82 83 00-3276	EA	2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: Used with 182 and 2020XT.	1,646.28	27.79
46 82 83 00-3277	EA	D-SUB Connection For Profibus And Modbus Connections (YSI 902 888Y, ADA/D-SUB) Note: Used with 182 and 2020XT IQ SensorNet System.	591.40	2.77
46 82 83 00-3278	EA	3 IQ SensorNet Connections, Radio Module (YSI 480 025Y, MIQ/WL PS Set) Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	3,014.56	27.79
46 82 83 00-3279	EA	3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS) Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	1,693.94	27.79

46 82 83 00-3280 IQ System 282 Controllers *(46 82 83 00-3225)*

46 82 83 00-3281	EA	3 Relays, Three Current Outputs, 2 IQ Sensor Connections, System 282 IQ SensorNet Controller (YSI 472 110Y, DIQ/S 282-CR3)	3,683.40	44.46
46 82 83 00-3282	EA	PROFIBUS Output, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 111Y, DIQ/S 282-PR)	4,203.70	44.46
46 82 83 00-3283	EA	3 Relays, MODBUS, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 112Y, DIQ/S 282-MOD)	4,203.70	44.46
46 82 83 00-3284	EA	3 Relays, Three Current Output, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 113Y, DIQ/S 282-CR3-E)	4,418.18	44.46
46 82 83 00-3285	EA	3 Relays, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 114Y, DIQ/S 282-EF)	4,418.18	44.46
46 82 83 00-3286	EA	3 Relays, Three Current Outputs, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 120Y, DIQ/S 282-CR3/24V)	4,418.18	44.46
46 82 83 00-3287	EA	3 Relays, PROFIBUS, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 121Y, DIQ/S 282-PR/24V)	4,477.76	44.46
46 82 83 00-3288	EA	3 Relays, MODBUS, 24V AC/DC, 2 IQ Sensor Connections, IQ SensorNet Controller (YSI 122Y, DIQ/S 282-MOD/24V)	4,477.76	44.46
46 82 83 00-3289	EA	Extended Warranty, 282 Terminal Controllers, 1 Additional Year (YSI Ext-War-282-1)	391.42	
46 82 83 00-3290	EA	3 Relays, 24V AC/DC, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 123Y, DIQ/S 282-CR3-E/24V)	4,696.21	44.46
46 82 83 00-3291	EA	Extended Warranty, 282 Terminal Controllers, 2 Additional Years (YSI Ext-War-282-2)	782.84	
46 82 83 00-3292	EA	3 Relays, 24V AC/DC, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 124Y, DIQ/S 282-EF/24V)	4,696.21	44.46

46 82 83 00-3293 IQ System 284 Controllers *(46 82 83 00-3225)*

46 82 83 00-3294	EA	6 Relays, Six Current Output, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 130Y, DIQ/S 284-CR6)	4,477.76	44.46
46 82 83 00-3295	EA	3 Relays, PROFIBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 131Y, DIQ/S 284-PR)	4,894.80	44.46
46 82 83 00-3296	EA	3 Relays, MODBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 132Y, DIQ/S 284-MOD)	4,894.80	44.46
46 82 83 00-3297	EA	6 Relays, Six Current Output, 4 IQ Sensor Connections, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 133Y, DIQ/S 284-CR6-E)	4,894.80	44.46
46 82 83 00-3298	EA	3 Relays, 4 IQ Sensor Connections, Ethernet Fieldbus, System 284, IQ SensorNet Controller (YSI 472 134Y, DIQ/S 284-EF)	4,894.80	44.46
46 82 83 00-3299	EA	6 Relays, 24V AC/DC, Six Current Outputs, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 140Y, DIQ/S 284-CR6/24V)	5,093.39	44.46
46 82 83 00-3300	EA	3 Relays, PROFIBUS, 24V AC/DC, 4 IQ Sensor Connections System 284, IQ SensorNet Controller (YSI 472 141Y, DIQ/S 284-PR/24V)	5,093.39	44.46
46 82 83 00-3301	EA	3 Relays, MODBUS, 24V AC/DC, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 142Y, DIQ/S 284-MOD/24V)	5,093.39	44.46
46 82 83 00-3302	EA	6 Relays, 24V AC/DC, 4 Sensor Connections, Six Current Output, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 143Y, DIQ/S 284-CR6-E/24V)	5,093.39	44.46
46 82 83 00-3303	EA	3 Relays, 24V AC/DC, 4 IQ Sensor Connections, Ethernet Fieldbus And Remote Control, System 284, IQ SensorNet Controller (YSI 472 144Y, DIQ/S 284-EF/24V)	5,093.39	44.46

46 82 83 00-3304 Mounting Hardware for Controllers *(46 82 83 00-3225)*

46 82 83 00-3305	EA	Pivoting Wall Mounting (YSI 109 275Y, BE/M 170-D)	311.88	5.78
46 82 83 00-3306	EA	Plastic, IQ Sun Shield (YSI 109 295Y, SSH/IQ) Note: Mounts directly to Vario Mounting Stands or requires 109 286Y to mount on hand railing. For 2020 And 182 Module mounting, also used for mounting air cleaning box.	398.36	5.56
46 82 83 00-3307	EA	25-60 mm Diameter Rail Mounting Kit For SD/M 170, SD/K 170 And SSH/IQ Sun Shields (YSI 109 286Y, MR/SD 170) Note: Used with 109 284Y and 109 295Y.	289.14	5.56
46 82 83 00-3308	EA	Sun Shield For Outdoor Installation Of Junction Boxes (YSI 109 284Y, SD/K 170) Note: Used with 109 286Y. Requires 109 286Y. Order separately.	279.21	5.56
46 82 83 00-3309	EA	Top Hat Rail Mounting For IQ Modules (YSI 480 050Y, THS/IQ) Note: Din rail mounting system.	130.26	5.56
46 82 83 00-3310	EA	Wall Mount Kit For IQ Modules (YSI 480 052Y, WMS/IQ)	130.26	5.56
46 82 83 00-3311	EA	Panel Mount Kit For IQ Modules (YSI 480 048Y, PMS/IQ)	82.60	5.56
46 82 83 00-3312	EA	Mounting Plate For Two DIQ Modules (YSI 472 009Y, MS/DIQ) Note: Requires 109 286Y. Order separately.	169.98	5.56
46 82 83 00-3313	EA	M16 Male To 1/2" NPT Female Stainless Steel Conduit Adapter (YSI 480 053USY)	70.69	5.56
46 82 83 00-3314	EA	3/4" Diameter, CC-Box, Flexible Conduit Adapter For IQ Module Connections (YSI 900 120Y, CC-BOX)	110.41	5.56
46 82 83 00-3315	EA	3/4" Diameter, CC-PM, Conduit Adapter For IQ Profibus/Modbus Connections (YSI 900 125Y, CC-PM)	110.41	5.56
46 82 83 00-3316	EA	Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M)	1,500.53	5.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3317	EA	Double Sun Shield (YSI 109 287Y, SD/M170-D) Note: For mounting two monitors. Requires one 109 286Y (order separately).	680.64	5.56
46 82 83 00-3318	EA	Double Junction Clamp For Vario Mounting Stands (YSI 109 290Y, MS/KK 170)	626.74	5.56
46 82 83 00-3319		**Sensor Cleaning Modules And Options** *(46 82 83 00-3225)*		
46 82 83 00-3320	EA	115 Volt AC, Cleaner Air Box Assembly (YSI 480 017Y, CLEANING AIR BOX-115 VAC) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y. Uses one relay from IQ network.	3,133.71	27.79
46 82 83 00-3321	EA	Cleaning Head Assembly For IQ Sensors (YSI 900 107Y, CH) Note: Includes15 M of tubing.	1,048.52	27.79
46 82 83 00-3322	EA	Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. For use with 184XT and 2020XT systems.	1,485.42	27.79
46 82 83 00-3323	EA	System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: Uses one relay contact for operation. For use with plant supplied air.	1,197.46	27.79
46 82 83 00-3324		**Dissolved Oxygen - Optical** *(46 82 83 00-3225)*		
46 82 83 00-3325	EA	0 To 20 mG/L, Optical DO Probe For IQ System (YSI 201 650Y, FDO 700 IQ) Note: Order SACIQ cable separately.	3,905.84	16.67
46 82 83 00-3326	EA	0 To 20 mG/L, Fast Response Optical DO Probe For IQ System (YSI 201 660Y, FDO 701 IQ) Note: Order SACIQ cable separately.	3,905.84	16.67
46 82 83 00-3327	EA	0 To 20 mG/L, Seawater, Optical DO Probe For IQ System (YSI 201 652Y, FDO 700 IQ SW) Note: Order SACIQ cable separately.	3,905.84	16.67
46 82 83 00-3328	EA	0 To 20 mG/L, Seawater, Fast Response Optical DO Probe For IQ System (YSI 201 653Y, FDO 701 IQ SW) Note: Order SACIQ cable separately.	3,905.84	16.67
46 82 83 00-3329	EA	0 To 20 mG/L, Class I, Division 2, Groups A, B, C, D T6, Optical DO Probe For IQ System (YSI 207 065Y, FDO 700 IQ H) Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	4,104.44	16.67
46 82 83 00-3330	EA	0 To 20 mG/L, Class I, Division 2, Groups A, B, C, D T6, Fast Response Optical DO Probe For IQ System (YSI 207 066Y, FDO 701 IQ H) Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	4,104.44	16.67
46 82 83 00-3331	EA	Barrier Box Module For FDO 700(1) IQ H (YSI 207 001Y, MIQ/BB1) Note: Used with 207 065Y and 207 066Y.	827.70	16.67
46 82 83 00-3332	EA	IQ FDO 700 IQ Probe Replacement Cap (YSI 201 654Y, SC-FDO 700)	398.36	5.56
46 82 83 00-3333	EA	IQ FDO 701 IQ Fast Response Probe Replacement Cap (YSI 201 655Y, SC-FDO 701)	398.36	5.56
46 82 83 00-3334	EA	Protective Guard For FDO Probes (YSI 205 253Y, MSK FDO)	398.36	5.56
46 82 83 00-3335	EA	Cleaning Kit For Connection Of The Protective Hood To A Valve Modules Or Cleaning Air Box (YSI 205 254Y, MSK FDO CS)	387.25	
46 82 83 00-3336		**Electrochemical Membrane Style** *(46 82 83 00-3225)*		
46 82 83 00-3337	EA	0 To 60 mG/L, 0.0 Resolution, Electrochemical DO Probe For IQ System (YSI 201 640Y, TriOxmatic® 700 IQ) Note: Order SACIQ cable separately.	3,607.96	16.67
46 82 83 00-3338	EA	Electrochemical DO Probe For IQ System, Salt Water (YSI 201 641Y, TriOxmatic® 700 IQ SW) Note: Order SACIQ cable separately.	3,627.82	16.67
46 82 83 00-3339	EA	0 To 20 mG/L, 0.0 Resolution, Fast Responding, Electrochemical DO Probe For IQ System (YSI 201 644Y, TriOxmatic® 701 IQ) Note: Order SACIQ cable separately.	3,627.82	16.67
46 82 83 00-3340	EA	0 To 2000 PPB, 0-10 mG/L, Electrochemical DO Probe For IQ System (YSI 201 646Y, TriOxmatic® 702 IQ) Note: Order SACIQ cable separately.	5,633.58	16.67
46 82 83 00-3341	EA	Maintenance Kit For TriOxmatic 600, 690, 700, 700 IN Probes (YSI 202 620Y, ZBK 600)	615.63	
46 82 83 00-3342	EA	Maintenance Kit For TriOxmatic 601, 701, 702 Probes (YSI 202 621Y, ZBK 25i)	615.63	
46 82 83 00-3343	EA	Membrane Head Assemblies For Models 600/700 (2 EA) (YSI 202 850Y, WP 600/2)	387.25	
46 82 83 00-3344	EA	Membrane Head Assemblies For Models 701, 702 (2 EA) (YSI 202 852Y, WP 25i/2)	387.25	
46 82 83 00-3345	EA	50 mL, Cleaning Solution For Ag-Electrode (YSI 205 200Y, RL-AG/Oxi)	218.45	
46 82 83 00-3346	EA	50 mL, Electrolyte Solution For TriOxmatic 600/700 Series Probes (YSI 205 212Y, ELY/A)	188.66	
46 82 83 00-3347	EA	Protective Membrane Guard For TriOxmatic And CellOx Probes (YSI 205 251Y, MSK 600)	258.32	5.56
46 82 83 00-3348	EA	Cathode Cleaner (Abrasive Foil) For TriOxmatic Dissolved Oxygen Probes (YSI 203 680Y, SF 300)	79.44	
46 82 83 00-3349	EA	Cleaning Cup For TriOxmatic Probes (YSI 202 510Y, RA 600)	297.88	
46 82 83 00-3350		**Interface Level Detection** *(46 82 83 00-3225)*		
46 82 83 00-3351	EA	Digital, Ultrasonic Probe With Automatic Cleaning Wiper For Interface Level Detection (YSI 481 200Y, IFL 700 IQ) Note: Used with 2020XT. Order SACIQ cable separately.	5,891.74	16.67
46 82 83 00-3352	EA	Digital, Ultrasonic Probe For Interface Level Detection (YSI 481 201Y, IFL 701 IQ) Note: Used with 2020XT. Order SACIQ cable separately.	5,633.58	16.67
46 82 83 00-3353		**Total Suspended Solids And Turbidity** *(46 82 83 00-3225)*		
46 82 83 00-3354	EA	Turbidity Probe For IQ System (YSI 600 010Y, VisoTurb 700 IQ) Note: Order SACIQ cable separately.	6,983.99	16.67
46 82 83 00-3355	EA	Turbidity Probe For Seawater Design IQ System (YSI 600 011Y, VisoTurb 700 IQ SW) Note: Order SACIQ cable separately.	7,778.35	16.67
46 82 83 00-3356	EA	Suspended Solids Probe For IQ System (YSI 600 012Y, ViSolid 700 IQ) Note: Order SACIQ cable separately.	7,778.35	16.67
46 82 83 00-3357	EA	Suspended Solids Probe For Seawater Design IQ System (YSI 600 013Y, ViSolid 700 IQ SW) Note: Order SACIQ cable separately.	9,168.48	16.67
46 82 83 00-3358	EA	Class I, Division 2, Group D T6 Rated, Suspended Solids Probe For IQ System (YSI 207 012Y, ViSolid 700 IQ H) Note: Order MIQ/BB2 and SACIQ separately. Must be connected to MIQ/BB2 (207 002Y) to maintain CI, D2 rating.	7,967.01	16.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3359	EA	Barrier Box Module For ViSolid 700 IQ H (YSI 207 002Y, MIQ/BB2) Note: Used with 207 012Y.	827.70	16.67
46 82 83 00-3360		**Ammonium** *(46 82 83 00-3225)*		
46 82 83 00-3361	EA	Reference Electrode, Ammonium Electrode, AmmoLyt Plus Ammonium Probe (YSI 107 071YK, AmmoLyt Plus Set) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,187.05	16.67
46 82 83 00-3362	EA	Reference Electrode, Ammonium Electrode, Potassium Electrodes, AmmoLyt Plus Ammonium Probe (YSI 107 072YK, AmmoLyt Plus set/comp) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,395.57	16.67
46 82 83 00-3363	EA	AmmoLyt Plus Ammonium Probe (YSI 107 070Y, AmmoLyt Plus 700 IQ) Note: Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	9,059.26	16.67
46 82 83 00-3364	EA	AmmoLyt Plus Ammonium Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y and 170 040Y.	1,641.92	16.67
46 82 83 00-3365	EA	0.1 To 1,000 mG/L, Ammonium Measuring Electrode For VARiON Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 044Y, VARiON Plus NH4) Note: Used with 107 070Y and 170 040Y.	1,165.30	16.67
46 82 83 00-3366	EA	1 To 1,000 mG/L, Potassium Compensating Electrode For VARiON Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 046Y, VARiON Plus K) Note: Used with 107 070Y and 170 040Y.	1,165.30	16.67
46 82 83 00-3367	EA	1,000 mL, Low Concentration Standard Solution For VARiON Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARiON/ES-1) Note: Used for sensor check and storage.	158.87	
46 82 83 00-3368	EA	1,000 mL, High Concentration Standard For VARiON Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARiON/ES-2) Note: Used for sensor check.	158.87	
46 82 83 00-3369		**Nitrate** *(46 82 83 00-3225)*		
46 82 83 00-3370	EA	Reference Electrode, Nitrate Electrode, NitraLyt Plus Nitrate Probe (YSI 107 081YK, NitraLyt Plus Set) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,187.05	16.67
46 82 83 00-3371	EA	Reference Electrode, Nitrate Electrode, Chloride Electrode, NitraLyt Plus Nitrate Probe (YSI 107 082YK, NitraLyt Plus Set/Comp) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,584.23	16.67
46 82 83 00-3372	EA	NitraLyt Plus Nitrate Probe (YSI 107 080Y, NitraLyt Plus 700 IQ) Note: Requires nitrate reference and measuring electrodes and cable assembly. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	9,952.91	16.67
46 82 83 00-3373	EA	NitraLyt Plus Nitrate Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y, 107 080Y and 107 040Y.	1,641.92	16.67
46 82 83 00-3374	EA	0.1 To 1,000 mG/L, Nitrate Measuring Electrode (YSI 107 045Y, VARiON Plus NO3) Note: For VARiON Plus, NitraLyt And?NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	1,224.88	16.67
46 82 83 00-3375	EA	1 To 1,000 mG/L, Chloride Compensating Electrode (YSI 107 047Y, VARiON Plus Cl) Note: For VARiON Plus And NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	1,224.88	16.67
46 82 83 00-3376	EA	1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARiON/ES-1) Note: For VARiON Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.	178.73	
46 82 83 00-3377	EA	1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARiON/ES-2) Note: For VARiON Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.	178.73	
46 82 83 00-3378		**VARiON Plus 700 IQ Combination Sensor For Ammonium And Nitrate** *(46 82 83 00-3225)*		
46 82 83 00-3379	EA	VARiON Plus Probe (YSI 107 066YK, VARiON®PlusAN/A set) Note: Includes reference electrode, and electrodes for ammonium, nitrate and potassium. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	14,371.54	16.67
46 82 83 00-3380	EA	VARiON Plus Ammonium Kit (YSI 107 060YK, VARiON®Plus A comp set) Note: Includes VARiON Plus Probe, reference electrode, ammonium electrode and potassium compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	13,871.51	
46 82 83 00-3381	EA	VARiON Plus Probe (YSI 107 068YK, VARiON®Plus AN/N set) Note: Includes reference electrode, and electrodes for ammonium, nitrate and chloride. Order electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	14,371.54	16.67
46 82 83 00-3382	EA	VARiON Plus Nitrate Kit (YSI 107 062YK, VARiON®Plus N comp set) Note: Includes VARiON Plus Probe, reference electrode, nitrate electrode and chloride compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	13,871.51	
46 82 83 00-3383	EA	VARiON Plus Probe (YSI 107 040Y, VARiON Plus 700 IQ) Note: Requires ion selective electrodes, reference and compensating electrodes. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	10,399.74	16.67
46 82 83 00-3384	EA	VARiON Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y, 107 080Y and 107 040Y.	1,741.21	16.67
46 82 83 00-3385	EA	0.1 To 1,000 mG/L, Ammonium Measuring Electrode (YSI 107 044Y, VARiON Plus NH4) Note: For VARiON Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.	1,244.74	16.67
46 82 83 00-3386	EA	0.1 To 1,000 mG/L, Nitrate Measuring Electrode (YSI 107 045Y, VARiON Plus NO3) Note: For VARiON Plus, NitraLyt and?NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.	1,244.74	16.67
46 82 83 00-3387	EA	1 To 1,000 mG/L, Potassium Compensating Electrode (YSI 107 046Y, VARiON Plus K) Note: For VARiON Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.	1,244.74	16.67
46 82 83 00-3388	EA	1 To 1,000 mG/L, Chloride Compensating Electrode (YSI 107 047Y, VARiON Plus Cl) Note: For VARiON Plus and NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.	1,244.74	16.67
46 82 83 00-3389	EA	1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARiON/ES-1) Note: For VARiON Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.	178.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3390	EA	1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARiON/ES-2) Note: For VARiON Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.	178.73	
46 82 83 00-3391	EA	Protective Hood (YSI 107 056Y, VARiON 700 IQ-SK) Note: For VARiON Sensor Electrodes	368.57	5.56
46 82 83 00-3392	EA	1 Box Spanner For Electrodes, 1 Blind Plug, 3 Spare O-rings, 1 Vessel For Wet Storage, Spare Parts Kit (YSI 107 057Y, VARiON Epack)	164.81	
46 82 83 00-3393	EA	Maintenance And Calibration Case (YSI 107 058Y, VARiON Case) Note: For VARiON 700 IQ.	659.23	
46 82 83 00-3394		**pH And ORP** *(46 82 83 00-3225)*		
46 82 83 00-3395	EA	IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 170Y, SensoLyt® 700 IQ) Note: Order pH or ORP Electrode and SACIQ cable separately.	1,919.94	16.67
46 82 83 00-3396	EA	Salt Water Design, IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 171Y, SensoLyt® 700 IQ SW) Note: Order pH or ORP Electrode and SACIQ cable separately.	2,039.10	16.67
46 82 83 00-3397	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 115Y, SensoLyt SEA) Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA Electrode is designed for wastewater.	1,056.08	16.67
46 82 83 00-3398	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 117Y, SensoLyt ECA) Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y.	946.85	16.67
46 82 83 00-3399	EA	Up To 145 PSIG, 4 To 12 pH, pH Electrode With Built In Reference (YSI 109 118Y, SensoLyt SEA-HP) Note: For high-pressure. For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA-HP is designed for high pressure.	1,056.08	16.67
46 82 83 00-3400	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 119Y, SensoLyt DWA) Note: For SensoLyt 690/700 And SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. DWA Electrode is designed for drinking water applications.	956.78	16.67
46 82 83 00-3401	EA	+/- 1,000 mV, ORP Electrode With Built In Reference (YSI 109 125Y, SensoLyt PtA) Note: For SensoLyt 690/700. Used with 109 170Y and 109 171Y.	1,214.95	16.67
46 82 83 00-3402		**Conductivity** *(46 82 83 00-3225)*		
46 82 83 00-3403	EA	Submersible Conductivity Probe (YSI 302 500Y, TetraCon® 700 IQ) Note: For IQ System, requires cable assembly.	2,436.28	16.67
46 82 83 00-3404	EA	Salt Water Design, Submersible Conductivity Probe (YSI 302 501Y, TetraCon® 700 IQ SW) Note: For IQ System, requires cable assembly.	2,873.18	16.67
46 82 83 00-3405		**UV - Single Wavelength With Compensation Wavelength** *(46 82 83 00-3225)*		
46 82 83 00-3406	EA	Optical UV Absorption Probe (YSI 481 036Y, IQ UVT-254 701) Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 1 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings, Without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	26,068.49	16.67
46 82 83 00-3407	EA	Optical UV Absorption Probe (YSI 481 038Y, IQ UVT-254 705) Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 5 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	24,777.65	16.67
46 82 83 00-3408	EA	IQ SensorNet Optical UV NOx Probe (YSI 481 034Y, IQ NOx 701) Note: With integrated ultrasonic cleaning, 1 mm gap. Nitrate measuring range: 0.0-100.0 mG/L NOx-N), Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	30,020.43	16.67
46 82 83 00-3409	EA	IQ SensorNet Optical UV NOx Probe (YSI 481 035Y, IQ NOx 705) Note: With integrated ultrasonic cleaning, 5 mm gap. Nitrate measuring range: 0.0-20.0 mG/L NOx-N), Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	30,070.08	16.67
46 82 83 00-3410		**UV And UV/VIS Spectral Sensors** *(46 82 83 00-3225)*		
46 82 83 00-3411	EA	Optical Nitrate Probe (YSI 481 044Y, NitraVis 701 IQ) Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,006.33	16.67
46 82 83 00-3412	EA	Optical Nitrate And TSS Probe (YSI 481 045Y, NitraVis 701 IQ TS) Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	35,302.92	16.67
46 82 83 00-3413	EA	Optical Nitrate Probe (YSI 481 046Y, NitraVis 705 IQ) Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,006.33	16.67
46 82 83 00-3414	EA	Optical Nitrate And TSS Probe (YSI 481 047Y, NitraVis 705 IQ TS) Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	35,997.99	16.67
46 82 83 00-3415	EA	IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 056Y, Nitravis 701 IQ NI) Note: With integrate ultrasonic cleaning, 1 mm gap. For use in influent, biological tank and effluent of municipal wastewater treatment plants, Supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,899.98	16.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3416	EA	IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 057Y, Nitravis 705 IQ NI) Note: With integrate ultrasonic cleaning, 5 mm gap. For use in effluent of municipal wastewater treatment plants, supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	33,098.58	16.67
46 82 83 00-3417	EA	Optical Nitrate And COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 052Y, NiCaVis 705 IQ) Note: With spectral processing of the UV/Vis range, for use in effluent (municipal wastewater), with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	43,484.83	16.67
46 82 83 00-3418	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 048Y, CarboVis 701 IQ) Note: With spectral processing of the UV/VIS range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	37,914.38	16.67
46 82 83 00-3419	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 049Y, CarboVis 701 IQ TS) Note: With spectral processing of the UV/Vis range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	41,757.10	16.67
46 82 83 00-3420	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 050Y, CarboVis 705 IQ) Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	38,400.93	16.67
46 82 83 00-3421	EA	Optical COD - Total And soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 051Y, CarboVis 705 IQ TS) Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with Integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	42,313.15	16.67
46 82 83 00-3422	EA	UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481054Y, NiCaVis 701 IQ NI) Note: For use in influent, biological tank and effluent municipal wastewater treatment plants with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	43,752.93	16.67
46 82 83 00-3423	EA	UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481055Y, NiCaVis 705 IQ NI) Note: For use in effluent of municipal wastewater treatment plants with Integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	44,616.80	16.67
46 82 83 00-3424	EA	Air Pressure Cleaning Set (YSI 481 075Y, SET/AP) Note: With connector and 15m air tubing.	357.46	
46 82 83 00-3425	EA	UVVIS Probes And IQ SensorNet Cleaning Kit (YSI 481 071Y, VIS/CT) Note: Includes 20 perforated textured cleaning cloths in two sizes for 1 mm and 5 mm gap Sensors.	357.46	
46 82 83 00-3426	EA	UVVIS Sensor Universal Cleaning Kit (YSI 481 079Y, VIS C/SET) Note: Includes 20 perforated textured (flocked) cleaning cloths in two sizes for 1 mm and 5 mm gap sensors. Includes cleaning solutions.	714.92	
46 82 83 00-3427	EA	1 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 031Y, VIS/Set Brushes/1mm) Note: (2) brushes. Used on discontinued version of UVVIS probe.	178.73	
46 82 83 00-3428	EA	5 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 032Y, VIS/Set Brushes/5mm) Note: (2) brushes. Used on discontinued version of UVVIS probe.	178.73	
46 82 83 00-3429	EA	UVVIS Calibration And Cleaning Chamber (YSI 481 074, VIS/CV)	635.49	
46 82 83 00-3430	EA	UV/VIS Probe Horizontal Mounting Kit With Swing Mount EH/F 170 (YSI 481 073Y, VIS Set/EH)	596.95	5.56
46 82 83 00-3431		**Cable Assemblies** *(46 82 83 00-3225)*		
46 82 83 00-3432	EA	4.9', IQ Sensor Connection Cable (YSI 480 040Y, SACIQ-1.5) Note: Salt water and regular cables are interchangeable with all probes.	410.28	5.56
46 82 83 00-3433	EA	22.9', IQ Sensor Connection Cable (YSI 480 042Y, SACIQ-7.0) Note: Salt water and regular cables are interchangeable with all probes.	469.85	5.56
46 82 83 00-3434	EA	49.2', IQ Sensor Connection Cable (YSI 480 044Y, SACIQ-15.0) Note: Salt water and regular cables are interchangeable with all probes.	588.21	11.11
46 82 83 00-3435	EA	65.6', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 045Y, SACIQ-20.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	657.72	11.11
46 82 83 00-3436	EA	82', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 066Y, SACIQ-25.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,124.40	11.11
46 82 83 00-3437	EA	164', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 060Y, SACIQ-50.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,432.22	11.11
46 82 83 00-3438	EA	246', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 067Y, SACIQ-75.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,671.12	16.67
46 82 83 00-3439	EA	328', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 062Y, SACIQ-100.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	2,072.84	16.67
46 82 83 00-3440	EA	Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) Note: In increments up to 100 meters. Salt water and regular cables are interchangeable with all probes.	511.56	5.56
46 82 83 00-3441	M	Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) PER METER	14.98	0.28
46 82 83 00-3442	EA	Screw-in Protective Plug For SACIQ Sensor Cables (YSI 480 065Y, SACIQ-Plug) Note: Salt water and regular cables are interchangeable with all probes.	74.66	5.56
46 82 83 00-3443	M	Two Wire, With Shield, IQ Cable (YSI 480 046YM-XX, SNCIQ) Note: Salt water and regular cables are interchangeable with all probes.	30.35	0.28
46 82 83 00-3444	EA	820' Two Wire, With Shield, IQ Cable (YSI 480 070Y, SNCIQ-250) Note: Salt water and regular cables are interchangeable with all probes.	6,178.52	11.11
46 82 83 00-3445	EA	1640' Two Wire, With Shield, IQ Cable (YSI 480 072Y, SNCIQ-500) Note: Salt water and regular cables are interchangeable with all probes.	8,254.97	16.67
46 82 83 00-3446	EA	3,281' Two Wire, With Shield, IQ Cable (YSI 480 074Y, SNCIQ-1000) Note: Salt water and regular cables are interchangeable with all probes.	13,332.10	22.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3447		Mounting Hardware *(46 82 83 00-3225)*		
46 82 83 00-3448	EA	Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8000Y, SMK)	845.19	5.56
		Note: 1-1/2" PVC couplers and end cap. Comprised of part 2458038Y and part numbers 559327-2Y, 559327-4Y and 559327-7Y.		
46 82 83 00-3449	EA	Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8038M)	801.50	5.56
46 82 83 00-3450	EA	Quick Release Stainless Steel Handrail Mounting Bracket For IFL, UV And UV-VIS Sensors (YSI 245 8039Y)	706.17	5.56
		Note: For use with 3/4" galvanized pipe. Used with IFL-D for IFL sensor mounting. Used with 109 362Y for UV and UV-VIS sensors.		
46 82 83 00-3451	EA	Sensor Coupling For SACIQ Sensor Cable (YSI 559327-2Y)	299.07	5.56
		Note: Up to 1-1/2" Schedule 80 PVC pipe.		
46 82 83 00-3452	EA	Slotted End Cap For Sensor Mounting Kit (YSI 559327-4Y)	219.63	5.56
46 82 83 00-3453	EA	PVC Coupler For Sensor Mounting Kit (YSI 559327-7Y)	80.62	5.56
46 82 83 00-3454	EA	Float With Pendulum Mounting Assembly (YSI 108 540Y, S 200)	2,453.77	5.56
		Note: Requires one 109 232Y and one 109 320Y.		
46 82 83 00-3455	EA	Float With Pendulum Mounting Assembly For Two IQ 40 mm Diameter Probes (YSI 108 542Y, S 200/2)	3,486.43	5.56
		Note: Requires one 109 232Y and one 109 320Y per sensor.		
46 82 83 00-3456	EA	Float With Pendulum Mounting Assembly For Four IQ 40 mm Diameter Probes (YSI 108 544Y, S 200/4)	3,472.08	5.56
		Note: Requires one 109 232Y and one 109 320Y per sensor.		
46 82 83 00-3457	EA	Horizontal Mounting Kit For Mounting UV And UV/VIS Probes Onto S 200 Float (YSI 481 080Y, VIS Set-F)	626.74	5.56
		Note: Used with UV, UV/VIS.		
46 82 83 00-3458	EA	Sensor Weight Ring (YSI 109 232Y, GWA)	587.02	5.56
		Note: Needed for S 200 float.		
46 82 83 00-3459	EA	Single Sensor Holder, Chain Style Mounting (YSI 109 320Y, EH/U 170)	348.71	5.56
		Note: Need either 109 272Y or 109 273Y, and either 109 278Y or 109 279Y.		
46 82 83 00-3460	EA	Twin Sensor Holder, Chain Style Mounting (YSI 109 323Y, EH2/U 170)	457.94	5.56
		Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.		
46 82 83 00-3461	EA	Triple Sensor Holder, Chain Style Mounting (YSI 109 325Y, EH3/U 170)	596.95	5.56
		Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.		
46 82 83 00-3462	EA	SensoClean Pendulum Mounting Assembly With Adjustable Boom (YSI 109 270Y, EH/P 170)	994.13	5.56
46 82 83 00-3463	EA	1.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 272Y, EH/F 170-1.5)	368.57	5.56
46 82 83 00-3464	EA	2.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 273Y, EH/F 170-2.5)	626.74	5.56
46 82 83 00-3465	EA	Chain Slide For EH/F 170 (YSI 109 291Y, CHS)	207.71	5.56
		Note: Used with IFL/UV/ UVVIS. Included with the purchase of EH/F 170.		
46 82 83 00-3466	EA	Fixture Assembly For Direct Wall Mounting (YSI 109 274Y, EH/W 170)	1,272.16	5.56
		Note: Used with UA sensor holder, order separately.		
46 82 83 00-3467	EA	Clamp Fixture For Direct Masonry Mounting Of Boom (YSI 109 276Y, BE/M 170)	519.50	5.56
46 82 83 00-3468	EA	No Pivot, Boom Or Pendulum Pipe Mount (YSI 109 278Y, BE/R 170)	457.94	5.56
		Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.		
46 82 83 00-3469	EA	With Pivot, Boom Or Pendulum Pipe Mount (YSI 109 279Y, BE/R 170-D)	467.87	5.56
		Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.		
46 82 83 00-3470	EA	Vario Concrete Floor Mounting Stand (YSI 109 280Y, BE/ST 170)	1,421.10	5.56
		Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield. Includes aluminum die cast base, wall plugs and screws.		
46 82 83 00-3471	EA	Vario Vertical Or Horizontal Pipe Rail Mounting Stand (YSI 109 281Y, BE/ST 170-R)	1,353.58	5.56
		Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield.		
46 82 83 00-3472	EA	Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M)	1,301.95	5.56
		Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum mounting assembly and two brackets for attaching a sun shield.		
46 82 83 00-3473	EA	Pipe Bracket (YSI 109 289Y, MS/RKH 170)	320.91	5.56
		Note: For Installing Second Sensor Onto EH/P 170. Two required per sensor.		
46 82 83 00-3474	EA	Double Junction Clamp (YSI 109 290Y, MS/KK 170)	587.02	5.56
		Note: For mounting additional EH/F or EH/P to a Vario mounting stand BE/ST 170-X.		
46 82 83 00-3475	EA	Shackle For Chain Fitting (YSI 505 123Y, S/CH)	57.78	5.56
46 82 83 00-3476	EA	Chain (YSI 505 124Y-XX, CH/1)	60.76	5.56
46 82 83 00-3477	M	Chain (YSI 505 124Y-XX, CH/1) PER METER	38.29	0.28
46 82 83 00-3478	EA	One On-Line Sensor Installation Set (YSI 109 304Y, IN/SET1)	1,897.71	5.56
		Note: Supplied with single sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3479	EA	Two On-Line Sensors Installation Set (YSI 109 305Y, IN/SET2)	1,997.01	5.56
		Note: Supplied with twin Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3480	EA	Three On-Line Sensors Installation Set (YSI 109 306Y, IN/SET3)	2,036.73	5.56
		Note: Supplied with triple Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3481	EA	IFL Sensor Deflector Plate (YSI 481 206Y, IFL-E)	626.74	5.56
		Note: Used with IFL. Connects to IFL rail mounts (IFL-PM or IFL-RM). Requires user-supplied 1" diameter pipe.		
46 82 83 00-3482	EA	Vertical IFL Sensor Rail Mount (YSI 481 208Y, IFL-PM)	587.02	5.56
		Note: Deployable at railing posts. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.		
46 82 83 00-3483	EA	Angled IFL Sensor Rail Mount (YSI 481207Y, IFL-RM)	1,818.28	5.56
		Note: Used with IFL. Deployable on railing, angled to clear obstructions. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.		
46 82 83 00-3484	EA	Extended, Pivot, IFL, UV And UV/VIS Wall Mount (YSI 109360Y, EH/W 171)	1,341.66	5.56
		Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3485	EA	Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109361Y, EH/W 172)	497.66	5.56
		Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3486	EA	Side Arm, Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109 365Y, EH/W 173)	1,023.92	5.56
		Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3487	EA	IFL, UV And UV/VIS Sensor Holder For EH/W Wall Mounts (YSI 109362Y, EH/WB)	527.44	5.56
		Note: Used with IFL/UV/ UVVIS. Used with 109 361Y, 109 360Y and 109 365Y and customer supplied 3/4" diameter pipe.		

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46 82 83 00-3488	EA	EH/W 170, 171, 172 And 173 Wall Rail Connection Mount (YSI 109 366Y, EH/W RM) Note: Used with IFL/UV/ UVVIS.	1,242.37	5.56
46 82 83 00-3489		**Sensor Cleaning Components** *(46 82 83 00-3225)*		
46 82 83 00-3490	EA	Solenoid Valve Option For Plant Supplied Air, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: For use with 2020XT systems. Requires part #900 107Y in conjunction with either 480 018Y or 480 017Y.	1,485.42	27.79
46 82 83 00-3491	EA	System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: For use with plant supplied air. Uses one relay contact for operation.	1,088.24	27.79
46 82 83 00-3492	EA	Cleaning Head With 15 Meters Of Tubing (YSI 900 107Y, CH)	998.87	27.79
46 82 83 00-3493	EA	Cleaning Air Box (YSI 480 017Y) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y onto handrail. Uses one relay contact for operation.	3,153.57	27.79
46 82 83 00-3494	EA	Cleaning Head Spare Part Set (YSI 900 111Y, CH/Epack)	158.63	
46 82 83 00-3495	EA	Mounting Into Cleaning Air Box Or In Flow-Thru Adapter EBST-700 DU/ND Check Valve (YSI 480 029Y, BPV)	269.28	5.56
46 82 83 00-3496		**Sensor Extensions And Holders** *(46 82 83 00-3225)*		
46 82 83 00-3497	EA	550 mm Sensor Holder With PVC Extension Assembly (YSI 109 260Y, UA 55)	666.46	5.56
46 82 83 00-3498	EA	1,300 mm Sensor Holder With PVC Extension Assembly (YSI 109 261Y, UA 130)	745.89	5.56
46 82 83 00-3499	EA	Probe Extension Assembly (YSI 109 263VY, UA-SO) Note: For mounting 70X IQ probes. Includes handle and set of seals. Length selectable between 0.25 and 2.60 meters in 0.05 meter increments.	596.95	5.56
46 82 83 00-3500	M	Probe Extension Assembly (YSI 109 263VY, UA-SO) PER METER	189.22	0.28
46 82 83 00-3501	EA	O-Ring Seals Spare Set (YSI 109 265Y, UA/DS) Note: For UA 55, UA 130.	178.73	
46 82 83 00-3502	EA	Sensor Holder With Handle (YSI 109 320Y, EH/U 170) Note: For IQ sensors.	388.43	5.56
46 82 83 00-3503	EA	European Style Mounting, Seawater Applications, Single Sensor Holder (YSI 109 317Y, EH/SW)	259.35	5.56
46 82 83 00-3504	EA	Two Sensor Holder With Handle (YSI 109 323Y, EH2/U 170)	547.30	5.56
46 82 83 00-3505	EA	Three Sensor Holder With Handle (YSI 109 325Y, EH3/U 170)	686.32	5.56
46 82 83 00-3506		**Flow-Thru Vessels And Adapters** *(46 82 83 00-3225)*		
46 82 83 00-3507	EA	IQ SensorNet Multi-Sensor PVC Flow-Thru Vessel (YSI 203 745Y, D700/N) Note: For unpressurized applications. D 700/N can accommodate one TriOxmatic and one SensoLyt SE/DW/EC/Pt. TetraCon 700 IQ can be substituted for TriOxmatic.	3,024.49	27.79
46 82 83 00-3508	EA	Flow-Thru Cell For Continuous D.O. Measurement With TriOxmatic Sensors (YSI 203 747Y, D 702/N) Note: For ppb range with 702 (IQ).	2,736.53	27.79
46 82 83 00-3509	EA	IQ Multi-Probe Flow-Thru Vessel (YSI 203 749Y, DMS/N) Note: Accommodates up to four 1.57" diameter IQ probes.	6,211.86	27.79
46 82 83 00-3510	EA	Metric Bushing (YSI 203 751Y, EBS 700-DU/N) Note: Component of 203 753Y.	428.15	5.56
46 82 83 00-3511	EA	2" PVC Pipe Bushing (YSI 203 751USY, EBS 700-DU/N-US) Note: Component of 203 753USY.	596.95	5.56
46 82 83 00-3512	EA	On-Line Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 753USY, EBST 700-DU/N-US) Note: Requires adaptor 203 777Y and/or 203 789Y.	676.39	5.56
46 82 83 00-3513	EA	IQ Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 754USY, EBST 700-DU/ND-US) Note: With air pressure cleaning fittings. Requires adaptor.	1,252.30	5.56
46 82 83 00-3514	EA	15 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 755Y, ESS 700 VA/N) Note: 690/70X, IQ. Requires adaptor.	1,195.09	16.67
46 82 83 00-3515	EA	145 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 757Y, ESS 700 VA/10) Note: 690/70X, IQ. Requires adaptor.	1,463.19	16.67
46 82 83 00-3516	EA	Wye Flow-Thru Adapter For In-Line Measurements (YSI 203 758Y, EBST/SW) Note: Metric version. Salt water design. Used with 700 IQ/701 IQ probes. Requires 203 790Y.	1,046.15	16.67
46 82 83 00-3517	EA	Adapter For Mounting pH/ORP, TriOxmatic DO And Conductivity IQ Probes In D 700/N Or DMS/N Flow-Thru Vessels (YSI 203 761Y, ADA-DF 1)	428.15	5.56
46 82 83 00-3518	EA	Adaptor For Mounting DO Sensors TriOxmatic 702 IQ In D 702/N (YSI 203 771Y, ADA-DF-6)	169.98	5.56
46 82 83 00-3519	EA	Adapter For Mounting VisoTurb 700 IQ Probe In DMS/N Flow-Thru Vessel (YSI 203 773Y, ADA-DF 7)	626.74	5.56
46 82 83 00-3520	EA	Adaptor For 203 751Y, 203 753(US)Y, 203 755Y (YSI 203 777Y, ADA-DF-9) Note: All IQ sensors except UV/VIS, UV and FDO.	616.81	5.56
46 82 83 00-3521	EA	Adaptor For 203 757Y IQ Sensors (YSI 203 781Y, ADA-DF-11)	644.61	5.56
46 82 83 00-3522	EA	Adaptor For Mounting FDO 700 In D700/N (YSI 203 787Y, ADA-DF-14)	745.89	5.56
46 82 83 00-3523	EA	Adaptor For Mounting FDO 700 In EBS 700-DU/N, EBST 700-DU/N, ESS 700 VA/N (YSI 203 789Y, ADA-DF-15)	847.17	5.56
46 82 83 00-3524	EA	Adaptor For 203 758Y (YSI 203 790Y, ADA-DF9/SW) Note: All IQ salt water version sensors except UV/VIS.	594.96	5.56
46 82 83 00-3525	EA	145 PSIG Maximum, Retraction Assembly With Ball Valve (YSI 480 100Y, WA 700/10) Note: Requires 480104 or 480106. Also requires either 480108 or 480114.	5,790.46	16.67
46 82 83 00-3526	EA	Retraction Assembly With Ball Valve, 30 PSIG Maximum Pressure (YSI 480 102Y, WA 700/2) Note: Requires 480104 or 480106. Also requires either 480108, 480110, 480112, or 480114.	4,898.80	16.67
46 82 83 00-3527	EA	ST 33 Carbon Steel Weld-In Socket (YSI 480 104Y, ESS-WA 700/ST) Note: For WA 700/2 and WA 700/10.	192.21	16.67
46 82 83 00-3528	EA	316 Stainless Steel Weld-In Socket (YSI 480 106Y, ESS-WA 700/VA) Note: For WA 700/2 and WA700/10.	222.00	16.67
46 82 83 00-3529	EA	Adaptor For Mounting IQ Sensors In WA 700/2 And WA 700/10 (YSI 480 108Y, ADA-WA-1)	318.92	5.56
46 82 83 00-3530	EA	Adaptor For Mounting FDO 700 In WA 700/2 And WA 700/10 Retraction Assemblies (YSI 480 114Y, ADA-WA-4)	587.02	5.56
46 82 83 00-3531	EA	Blind Plug For Closing Weld In Socket Fittings ESS WA/ST And ESS WA/VA (YSI 480 116Y, WA/BV)	231.93	16.67
46 82 83 00-3532	EA	O-Rings Spare Set For WA 700/2 And WA 700/10 (YSI 480 118Y, WA/Epack)	88.58	
46 82 83 00-3533	EA	Flow-Thru Vessel With Wall Mounting Holder And Fittings (YSI 480 080Y, VIS FT-1) Note: For UVVIS Sensors NitraVis®, CarboVis® And NiCaVis® 70X IQ (TS). For operation with automatic compressed air cleaning with cleaning and ventilation fitting.	3,843.90	5.56
46 82 83 00-3534	EA	Spare Parts Set For Flow-Thru Vessel (YSI 480 081Y, VIS FT-1/RS) Note: Consisting of one 11 x 2 mm o-ring, two 14 x 2 mm o-rings, two 60 x 4 mm o-rings, one 8 x 2 mm o-ring, and one 1/4" piece seal disc.	92.70	
46 82 83 00-3535	EA	Spare Parts Set For Old style UV-VIS Flow Thru Cell (YSI 480 061Y, VIS Flow-thru/Epack)	115.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3536	EA	Flow Thru System For VisoTurb, ViSolid Sensors With EBST-700 DU/N With Barb Fittings (YSI 505 521Y, DFS/VisoTurb/TW)	1,273.52	16.67
46 82 83 00-3537		**Buffer Solutions** *(46 82 83 00-3225)*		
46 82 83 00-3538	EA	pH 4 Buffer, Box Of 6 Pints (YSI 003821, 3821)	238.31	
46 82 83 00-3539	EA	pH 7 Buffer, Box Of 6 Pints (YSI 003822, 3822)	238.31	
46 82 83 00-3540	EA	pH 10 Buffer, Box Of 6 Pints (YSI 003823, 3823)	238.31	
46 82 83 00-3541	EA	Assorted pH Buffer, Box Of 6 Pints, 2 Each pH 4, 7 And 10 (YSI 603824, 3824)	238.31	
46 82 83 00-3542	EA	125 mL ORP Calibrator, Zobell Solution (YSI 61320, 3682)	131.07	
46 82 83 00-3543	EA	250 mL ORP Calibrator, Zobell Solution (YSI 61321)	158.87	
46 82 83 00-3544	EA	500 mL ORP Calibrator, Zobell Solution (YSI 61322)	196.60	
46 82 83 00-3545	EA	Kit For Regeneration Of ORP Electrodes (YSI 109 730Y, SORT/RH) Note: Reagent set for regenerating ORP platinum electrodes, comprising 10 gram activation powder and 30 gram chlorine powder.	367.39	
46 82 83 00-3546	EA	1 Gallon, Turbidity Standard For VisoTurb (YSI 607400, 6074) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	973.09	
46 82 83 00-3547	EA	1,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060907, 3167) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3548	EA	10,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060911, 3168) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3549	EA	50,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060660, 3169) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3550	EA	250 mL, 3 mol/L, KCl Solution (YSI 109 705Y, KCl-AgCl-250) Note: For storing pH electrodes.	101.28	
46 82 83 00-3551	EA	1,000 mL Low Concentration Standard Solution For VARiON Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARiON/ES-1) Note: Used for sensor check and storage.	148.94	
46 82 83 00-3552	EA	1,000 mL High Concentration Standard For VARiON Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARiON/ES-2) Note: Used for sensor check	168.80	
46 82 83 00-3553	EA	For 5 mm UVVIS IQ SensorNet Probes, Low Concentration Sensor Check Standard (YSI 481 077Y, ST-1)	168.80	
46 82 83 00-3554	EA	For 1 mm UVVIS IQ SensorNet Probes, High Concentration Sensor Check Standard (YSI 481 078Y, ST-2)	168.80	
46 82 83 00-3555		**P700 IQ Analyzers** *(46 82 83 00-3225)*		
46 82 83 00-3556	EA	Indoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-000Y, P 700 IQ-I115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	34,831.79	22.23
46 82 83 00-3557	EA	Outdoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-001Y, P 700 IQ-O115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	37,159.26	22.23
46 82 83 00-3558	EA	Indoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-010Y, P 700 IQ-PI115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	37,195.01	22.23
46 82 83 00-3559	EA	Outdoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-011Y, P 700 IQ-PO115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	38,104.55	22.23
46 82 83 00-3560		**Filtration For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3561	EA	Filter Membrane Module (YSI 821 987Y, FM) Note: With premounted membrane, P 700 IQ. Requires M 1.5 for mounting.	3,580.54	27.79
46 82 83 00-3562	EA	Filter Mount (YSI 821 986Y, M 1.5) Note: P 700 IQ. Includes 4.9' rail, chain and bracket.	3,248.13	5.56
46 82 83 00-3563	EA	Extension Attachment (YSI 821 985Y, M-EXT 1.5) Note: Used with M 1.5 mount, P 700 IQ filter. Includes 4.9' extension, chain and bracket.	2,632.50	5.56
46 82 83 00-3564	EA	Horizontal Mount Adapter (YSI 821 983Y, FM-Adapter) Note: For filter membrane, P 700 IQ.	457.94	5.56
46 82 83 00-3565	EA	Set Of 2 Filter Membranes (YSI 821 972Y, Filter) Note: For FM/FM-Case modules, P 700 IQ.	1,798.42	5.56
46 82 83 00-3566	EA	Module Case For Filter Membrane (YSI 821 973Y, FM-Case) Note: Includes module case without filter membranes, P 700 IQ.	2,473.63	5.56
46 82 83 00-3567	EA	Filter Membrane Cleaning Case, P 700 IQ (YSI 821 984Y, Filter-CL)	208.52	
46 82 83 00-3568		**Tubing For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3569	EA	2m Length, Blue Suction Line (YSI 821 961Y-2, SLB 2)	122.04	1.42
46 82 83 00-3570	EA	5m Length, Blue Suction Line (YSI 821 961Y-5, SLB 5)	191.55	1.42
46 82 83 00-3571	EA	10m Length, Blue Suction Line (YSI 821 961Y-10, SLB 10)	419.93	1.42
46 82 83 00-3572	EA	20m Length, Blue Suction Line (YSI 821 961Y-20, SLB 20)	618.52	1.42
46 82 83 00-3573	EA	16.2' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 981Y, SL 115-5) Note: For P 700 IQ.	2,912.90	16.67
46 82 83 00-3574	EA	33' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 979Y, SL 115-10) Note: For P 700 IQ.	4,981.79	33.34
46 82 83 00-3575	EA	66' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 959Y, SL 115-20) Note: For P 700 IQ.	8,424.51	66.69
46 82 83 00-3576	EA	16.2' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 978Y, SL 5) Note: For P 700 IQ.	1,860.37	16.67
46 82 83 00-3577	EA	33' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 977Y, SL 10) Note: For P 700 IQ.	2,092.31	33.34
46 82 83 00-3578	EA	66' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 957Y, SL 20) Note: For P 700 IQ.	2,556.18	66.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3579	EA	16.2' Heated, 115 Volt AC, Sample Return Line (YSI 821 975Y, RL 115-2) Note: For P 700 IQ.	847.56	16.67
46 82 83 00-3580	EA	33' Heated, 115 Volt AC, Sample Return Line (YSI 821 965Y, RL 115-10) Note: For P 700 IQ.	4,028.56	33.34
46 82 83 00-3581	EA	66' Heated, 115 Volt AC, Sample Return Line (YSI 821 955Y, RL 115-20) Note: For P 700 IQ.	7,699.66	66.69
46 82 83 00-3582	EA	16.2' Unheated, 115 Volt AC, Sample Return Line (YSI 821 974Y, RL 2) Note: For P 700 IQ.	156.47	16.67
46 82 83 00-3583	EA	33' Unheated, 115 Volt AC, Sample Return Line (YSI 821 964Y, RL 10) Note: For P 700 IQ.	660.47	33.34
46 82 83 00-3584	EA	66' Unheated, 115 Volt AC, Sample Return Line (YSI 821 954Y, RL 20) Note: For P 700 IQ.	927.74	66.69
46 82 83 00-3585		**Mounting For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3586	EA	Wall Mount (YSI 821 989Y, WM) Note: For P 700 IQ.	616.81	5.56
46 82 83 00-3587	EA	Stand Mount (YSI 821 991Y, SM) Note: For P 700 IQ.	2,612.64	5.56
46 82 83 00-3588	EA	Rail Mount (YSI 821 988Y, RM) Note: For P 700 IQ.	2,761.58	5.56
46 82 83 00-3589		**Reagents And Solutions For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3590	EA	2.5 L Reagent (Pack Inst. 851) (YSI 821 999Y, RE 2.5) Note: For P 700 IQ.	238.31	
46 82 83 00-3591	EA	1 L Cleaning Solution (Pack Inst 851) (YSI 821 998Y, CL 1.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3592	EA	0.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 971Y, ST 0.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3593	EA	1.6 mG/L PO4-P, 1 L Standard Solution (YSI 821 997Y, ST 1.6) Note: For P 700 IQ.	129.08	
46 82 83 00-3594	EA	8.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 996Y, ST 8.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3595	EA	20.0 mG/L, PO4-P, 1 L Standard Solution (YSI 821 995Y, ST 20.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3596		**Replacement Parts For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3597	EA	Holder For Sensor Clamp (YSI 012995)	114.11	5.78
46 82 83 00-3598	EA	Pendulum Head (YSI 012996)	320.13	5.78
46 82 83 00-3599	EA	Weight (YSI 013063GV)	289.22	5.78
46 82 83 00-3600	EA	IQ TriOxmatic, Sensor Guard (YSI 013344)	31.71	5.78
46 82 83 00-3601	EA	IQ SensoLyt 700, Sensor Guard (YSI 013699)	237.72	5.78
46 82 83 00-3602	EA	Clamping Wedge (YSI 014631)	23.27	
46 82 83 00-3603	EA	Clamping Wedge With Threads (YSI 014632)	23.27	
46 82 83 00-3604	EA	Rubber Contact Cover (YSI 018082)	6.18	
46 82 83 00-3605	EA	Contact Cover, Label (YSI 018371)	8.24	
46 82 83 00-3606	EA	Spare Hardware Kit (YSI 018544)	92.70	
46 82 83 00-3607	EA	MIQ/CHV, Spare Hardware Kit (YSI 018893)	65.92	
46 82 83 00-3608	EA	CH Cleaning Head, Sensor Coupling Ring (YSI 018897)	126.48	5.78
46 82 83 00-3609	EA	Sensor Retaining Ring (YSI 019121)	130.40	
46 82 83 00-3610	EA	Sensor Receiving Tube (YSI 019124)	661.90	
46 82 83 00-3611	EA	Sensor Clamps (YSI 021154)	31.71	5.78
46 82 83 00-3612	EA	FDO Sensor Cap Locking Ring (YSI 022470)	43.87	
46 82 83 00-3613	EA	MIQ/Blue PS Terminating Resistor Kit (YSI 022474)	8.24	
46 82 83 00-3614	EA	Rubber, Shock Protectors (YSI 026569)	257.51	
46 82 83 00-3615	EA	pH And ORP Storage Cap (YSI 108065)	52.31	5.78
46 82 83 00-3616	EA	CHS, Chain Slide (YSI 109 291Y, CHS)	115.63	
46 82 83 00-3617	EA	12.5mm Outside Diameter, Steel, Washer (YSI BLS1-A0640030)	10.77	
46 82 83 00-3618	EA	M8x40, Clamping Lever (YSI MOT3-41004080)	43.73	
46 82 83 00-3619	EA	M8x50, Clamping Lever (YSI MOT3-41005080)	43.73	
46 82 83 00-3620	EA	Plastic, Sunshield To Pipe Mount, Clamp Block (YSI MOT3-45500000)	31.71	5.78
46 82 83 00-3621	EA	Stand To Wall Mount, Clamp Block (YSI MOT3-4500010)	72.91	5.78
46 82 83 00-3622	EA	TriOxmatic, Grey, Storage Cap (YSI MOT7-20000000)	12.83	
46 82 83 00-3623	EA	Black, Storage Cap (YSI MOT7-20040000)	23.47	5.78
46 82 83 00-3624	EA	O-Ring (YSI ORI2-46004004)	8.85	
46 82 83 00-3625	EA	UV And UV/VIS Maintenance Sleeve, O-Ring (YSI ORI4-60004003)	12.97	
46 82 83 00-3626	EA	WA700/2 And WA 700/10, O-Ring (YSI ORI2-36501004)	17.09	
46 82 83 00-3627	EA	ISE Electrode Installation Tool (YSI REP4-90005009)	20.60	
46 82 83 00-3628	EA	Locking Ring (YSI RSZ1-10400000)	64.47	
46 82 83 00-3629	EA	UA Sensor Extensions, Coupling Ring (YSI RSZ1-11440000)	43.87	
46 82 83 00-3630	EA	11.8 mm Outside Diameter, Stainless Steel, Lock Waster (YSI SIS1-B0600030)	8.85	
46 82 83 00-3631	EA	M5 x 60mm, Allen Head Bolt (YSI SRK4-00506030)	6.79	
46 82 83 00-3632	EA	M6 x 20mm, Allen Head Bolt (YSI SRK4-00602030)	8.85	
46 82 83 00-3633	EA	M6 x 110mm, Allen Head Bolt (YSI SRK5-00611030)	12.97	
46 82 83 00-3634	EA	Module Door Screw (YSI SRS2-00300840)	10.91	
46 82 83 00-3635	EA	Air Intake Filter (YSI 480 026Y, AF/CAB)	103.81	
46 82 83 00-3636	EA	Membrane (YSI 480 027Y, RM/CAB)	289.22	
46 82 83 00-3637	EA	Photometer Unit (YSI 821 990Y, LED)	575.91	
46 82 83 00-3638	EA	Filter For Ventilation (YSI 821 969Y, Filter REP)	129.08	
46 82 83 00-3639	EA	Peristaltic Pump Motor (YSI 821 994Y, PM)	883.73	
46 82 83 00-3640	EA	Analyzer Pump Tubing (YSI 821 993Y, PT)	238.31	
46 82 83 00-3641	EA	Fittings And Tubes For Photometric Unit (YSI 821 992BY, T SET)	655.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3642	EA	Set Of Solution Bottle Caps With Tubing (YSI 821 970Y, ST-BT)	139.01	
46 82 83 00-3643		**Start Up And Training** *(46 82 83 00-3225)*		
46 82 83 00-3644	DAY	YSI Start Up And Training	2,307.62	
46 82 83 00-3645		**Environmental Water Monitoring** *(46 82 83 00-0001)*		
46 82 83 00-3646		**Environmental Water Monitoring (Teledyne Isco)** *(46 82 83 00-3645)*		
46 82 83 00-3647		**Environmental Water Monitoring Products (Teledyne Isco)** *(46 82 83 00-3646)*		
46 82 83 00-3648	EA	6712 Full-size Portable Sampler. (Teledyne Isco 686710070) Note: Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. For 6712 Samplers. Does not include bottle configuration kit.	7,853.98	163.19
46 82 83 00-3649	EA	6712 Portable Sampler with Jumbo Base. (Teledyne Isco 686710082) Note: Includes controller, top cover, center section, jumbo base, tube guide, two pump tubes, two discharge tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	7,853.98	163.19
46 82 83 00-3650	EA	6712C Compact Portable Sampler. (Teledyne Isco 686710071) Note: Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	7,591.74	157.74
46 82 83 00-3651	EA	6712C Compact Portable Sampler with Mini Base. (Teledyne Isco 686710141) Note: Includes controller, top cover, center section, mini base, distributor arm, instruction manual, and pocket guide. Does not include bottle configuration kit.	7,591.74	157.74
46 82 83 00-3652	EA	6712FR Refrigerated Sampler (120 Volt AC, 60 Hertz). (Teledyne Isco 686710072) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	14,938.46	310.38
46 82 83 00-3653	EA	6712FR Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 686710073) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	14,938.46	310.38
46 82 83 00-3654	EA	6712FR Refrigerated Sampler (120 Volt AC, 60 Hertz) with temperature logging. (Teledyne Isco 686710144) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	15,475.81	321.55
46 82 83 00-3655	EA	6712FR Refrigerated Sampler (230 Volt AC, 50 Hertz) with temperature logging. (Teledyne Isco 686710145) Note: Includes controller, refrigeration unit, two pump tubes, distributor arm, instruction manual, and pocket guide. Does not include bottle configuration kit.	15,475.81	321.55
46 82 83 00-3656	EA	6712 Sampler controller only. (Teledyne Isco 686710074) Note: Includes two pump tubes, instruction manual, and pocket guide.	6,544.98	135.99
46 82 83 00-3657	EA	Internal three channel 4-20 mA programmable output for Avalanche and 6700 Series sampler. (Teledyne Isco 609004266) Note: Includes multi-analog output cable, 10 ft. Cannot be installed if using internal voice modem.	1,657.20	34.43
46 82 83 00-3658	EA	Voice Modem for Avalanche and 6700 Series Sampler. (Teledyne Isco 686700139) Note: Includes Remote Phone Command software for control of the sampler's operation and a 12 ft. modem cable. Not available if using Internal three channel 4-20 mA programmable output option, contact Spa department for external modem options.	1,528.23	31.75
46 82 83 00-3659	EA	Program lock software for Avalanche, 6700 Series, GLS and Glacier samplers. (Teledyne Isco 609003532)	199.83	
46 82 83 00-3660	EA	24-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700006) Note: Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes.	457.82	9.51
46 82 83 00-3661	EA	24-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700007) Note: Includes 24 Glass 350-ml round bottles with PTFE lined caps, bottle retaining ring, and two discharge tubes.	741.54	15.41
46 82 83 00-3662	EA	ProPak Configuration Kit for 6700 Full-size Samplers. (Teledyne Isco 686700105) Note: Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two discharge tubes, and instruction sheet.	1,964.56	40.81
46 82 83 00-3663	EA	12-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700008) Note: Includes twelve polypropylene 1-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes.	894.15	18.58
46 82 83 00-3664	EA	12-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700009) Note: Includes twelve glass 950-ml round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes.	993.04	20.63
46 82 83 00-3665	EA	8-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700010) Note: Includes eight polyethylene 2-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes.	784.54	16.31
46 82 83 00-3666	EA	8-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700011) Note: Includes eight glass 1.8-liter round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes.	1,003.78	20.86
46 82 83 00-3667	EA	4-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700012) Note: Includes four polypropylene 1-gallon round bottles with caps, bottle locating rack, and two discharge tubes.	709.30	14.74
46 82 83 00-3668	EA	4-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700013) Note: Includes four glass 1-gallon round bottles with PTFE lined caps, bottle locating rack, and two discharge tubes.	840.42	17.46
46 82 83 00-3669	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700014) Note: Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, tube guide, and two discharge tubes.	393.35	8.17
46 82 83 00-3670	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700015) Note: Includes one glass 2.5-gallon (9.5-liter) round bottle with PTFE lined cap, tube guide, and two discharge tubes.	393.35	8.17
46 82 83 00-3671	EA	Single ProPak Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700149) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, tube guide, O-ring, two discharge tubes and an instruction sheet.	588.94	12.23
46 82 83 00-3672	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700080) Note: Includes one polyethylene 4-gallon (15-liter) round bottle with cap, tube guide, and two discharge tubes.	393.35	8.17
46 82 83 00-3673	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. (Teledyne Isco 686700078) Note: Includes one 20 liter round glass bottle, one closure cap and two discharge tubes.	709.30	14.74
46 82 83 00-3674	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. (Teledyne Isco 686700084) Note: Includes one polyethylene 5.5-gallon (20.8-liter) bottle with cap, and two discharge tubes.	414.84	8.62
46 82 83 00-3675	EA	6700 Series Full-size Portable Sampler Standard Base. (Teledyne Isco 609004052)	784.54	16.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3676	EA	6700 Series Full-size Portable Sampler Jumbo Composite Base. (Teledyne Isco 609004194) Note: Only for use with 68-6700-078 and 68-6700-084.	1,057.52	21.98
46 82 83 00-3677	EA	6700 Series Compact and Full-size Portable Samplers and Refrigerated Sampler Distributor arm. (Teledyne Isco 609004050)	163.36	3.39
46 82 83 00-3678	EA	6700 Series Full-size Portable Sampler Composite tube guide. (Teledyne Isco 609004051)	141.86	2.95
46 82 83 00-3679	EA	Three-point Sampler Suspension Harness for full-size and compact non-refrigerated samplers except GLS. (Teledyne Isco 601394014) Note: For GLS use part number 602954033.	120.37	2.50
46 82 83 00-3680	EA	Locking harness for 3700 and 6712 full size samplers. (Teledyne Isco 686700134)	229.99	4.78
46 82 83 00-3681	EA	ProHanger for 18 - 24 inch manhole. (Teledyne Isco 692003599) Note: Stainless steel bracket for suspending equipment in manhole.	971.54	20.19
46 82 83 00-3682	EA	6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 605324172)	4,696.48	97.58
46 82 83 00-3683	EA	USB Communication Cable, 10 ft. (3 m). (Teledyne Isco 602004508) Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with USB connector. For custom length version, order this product in tandem with cut-to-length interrogate port extension cable, 60-5314-578 (maximum length 200 ft).	518.01	10.76
46 82 83 00-3684	EA	1-liter polypropylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682100007)	326.71	6.79
46 82 83 00-3685	EA	1-liter polypropylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 683700046)	1,025.27	21.30
46 82 83 00-3686	EA	1-liter polypropylene wedge-shaped bottles with caps, quantity 500 (Teledyne Isco 683700047)	3,185.44	66.18
46 82 83 00-3687	EA	Caps for 1-liter polypropylene wedge-shaped bottles - quantity 100 (Teledyne Isco 602100010)	135.97	
46 82 83 00-3688	EA	Bottle Retaining Ring for 24 1-liter wedge-shaped polypropylene bottles (Teledyne Isco 609003242)	101.02	2.10
46 82 83 00-3689	EA	350 ml glass round bottles with PTFE lined caps - quantity 24 (Teledyne Isco 682100001)	655.58	13.62
46 82 83 00-3690	EA	350 ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 683700048)	2,400.90	49.88
46 82 83 00-3691	EA	PTFE lined caps for 350-ml glass bottles - quantity 100 (Teledyne Isco 602100003)	428.50	
46 82 83 00-3692	EA	Bottle retaining ring for 350-ml glass bottles (Teledyne Isco 602703011)	128.96	2.68
46 82 83 00-3693	EA	Base locating insert for 12-bottle sampling (Teledyne Isco 609004147)	283.72	5.89
46 82 83 00-3694	EA	Bottle retaining ring for 12-bottle sampling (Teledyne Isco 603704112)	272.98	5.67
46 82 83 00-3695	EA	1-liter polypropylene round bottles with caps - quantity 12 (Teledyne Isco 603700035)	229.99	4.78
46 82 83 00-3696	EA	1-liter polypropylene round bottles with caps - quantity 100 (Teledyne Isco 606700016)	1,624.96	33.76
46 82 83 00-3697	EA	950-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 683700023)	326.71	6.79
46 82 83 00-3698	EA	950-ml glass round bottles with caps and liners - quantity 100 (Teledyne Isco 686700018)	2,246.14	46.66
46 82 83 00-3699	EA	PTFE lined caps for 950-ml glass bottles - quantity 100 (Teledyne Isco 686700019)	951.77	
46 82 83 00-3700	EA	Base locating insert for 8-bottle sampling (Teledyne Isco 609004146)	283.72	5.89
46 82 83 00-3701	EA	Bottle retaining ring for 8-bottle sampling (Teledyne Isco 609004149)	326.71	6.79
46 82 83 00-3702	EA	2-liter polyethylene round bottles with caps - quantity 8 (Teledyne Isco 682740026)	141.86	2.95
46 82 83 00-3703	EA	Caps for 2-liter polyethylene bottles - quantity 100 (Teledyne Isco 603720029)	133.91	
46 82 83 00-3704	EA	1.8-liter glass round bottles with PTFE lined caps - quantity 8 (Teledyne Isco 682740027)	367.55	7.64
46 82 83 00-3705	EA	PTFE lined caps for 1.8-liter glass bottles - quantity 100 (Teledyne Isco 683000026)	1,277.26	
46 82 83 00-3706	EA	1-gallon polypropylene round bottles with caps - quantity 4 (Teledyne Isco 606700020)	141.86	2.95
46 82 83 00-3707	EA	1-gallon glass round bottles with PTFE lined caps - quantity 4. (Teledyne Isco 686700146)	197.75	4.10
46 82 83 00-3708	EA	1-gallon glass round bottle with PTFE lined cap - quantity 1. (Teledyne Isco 686700147)	55.88	1.16
46 82 83 00-3709	EA	2.5-gallon (10-liter) polyethylene round bottle with cap - quantity 1 (Teledyne Isco 299001304)	272.98	5.67
46 82 83 00-3710	EA	2.5-gallon (9.5-liter) glass round bottle with PTFE lined cap - quantity 1 (Teledyne Isco 682700005)	184.85	3.84
46 82 83 00-3711	EA	20 liter glass bottle with closure cap. (Teledyne Isco 686700151)	655.58	13.62
46 82 83 00-3712	EA	ProPak starter kit. Includes 24 holders with caps, 100 1-liter bags, and retaining ring. (Teledyne Isco 686700112)	567.45	11.79
46 82 83 00-3713	EA	ProPak holders with caps and standard bags - quantity 25. Includes instruction sheet. (Teledyne Isco 686700087)	326.71	6.79
46 82 83 00-3714	EA	ProPak disposable bags, 1-liter polyethylene - quantity 100. (Teledyne Isco 686700113)	197.75	4.10
46 82 83 00-3715	EA	ProPak disposable bags, 1-liter polyethylene - quantity 500. (Teledyne Isco 686700114)	915.65	19.02
46 82 83 00-3716	EA	ProPak disposable bags, 1-liter polyethylene - quantity 1,000. (Teledyne Isco 686700096)	1,397.11	29.03
46 82 83 00-3717	EA	Holder Retaining ring for 24 ProPak holders (Teledyne Isco 609003475)	70.93	1.47
46 82 83 00-3718	EA	Composite ProPak kit. Includes 100 composite ProPak bags, holder and O-ring. (Teledyne Isco 682950006)	414.84	8.62
46 82 83 00-3719	EA	Composite ProPak Holder (Teledyne Isco 602953029)	240.74	5.00
46 82 83 00-3720	EA	Composite ProPaks, quantity 100 2-gallon (9-liter) bags (Teledyne Isco 692953038)	206.34	4.29
46 82 83 00-3721	EA	O-ring for composite ProPak kit. (Teledyne Isco 202100232)	6.44	0.13
46 82 83 00-3722	EA	24-Bottle Configuration for either standard compact or mini compact base. (Teledyne Isco 686700022) Note: Includes 24 polyethylene 500-ml wedge-shaped bottles and caps, bottle carrier with retaining ring, and two discharge tubes.	393.35	8.17
46 82 83 00-3723	EA	12-Bottle Configuration for either standard compact or mini compact base. (Teledyne Isco 686700024) Note: Includes twelve glass 375-ml round bottles and PTFE lined caps, bottle retaining ring, bottle carrier, and two discharge tubes.	808.19	16.79
46 82 83 00-3724	EA	1-Bottle Configuration. Standard Compact Base Portable Sampler only. (Teledyne Isco 686700025) Note: Includes 2.5-gallon (10-liter) round polyethylene bottle, cap, tube guide, and two discharge tubes.	393.35	8.17
46 82 83 00-3725	EA	1-Bottle Configuration Standard Compact Base Portable Sampler only. (Teledyne Isco 686700026) Note: Includes 2.5-gallon (9.5-liter) glass bottle with PTFE lined cap, tube guide, and two discharge tubes.	393.35	8.17
46 82 83 00-3726	EA	Single ProPak Configuration for 6700 Series Standard Compact Portable Sampler. (Teledyne Isco 686700148) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, tube guide, two discharge tubes and an instruction sheet.	569.60	11.84
46 82 83 00-3727	EA	3710C/6712C Compact Base Assembly. (Teledyne Isco 603704129)	784.54	16.31
46 82 83 00-3728	EA	24-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004132)	229.99	4.78
46 82 83 00-3729	EA	6700 Series Refrigerated Sampler Bottle Retaining Ring for 12-bottle 2.5-liter wedge-shaped bottles and 24-bottle 500-ml Compact Portable Samplers. (Teledyne Isco 609003235)	88.13	1.83
46 82 83 00-3730	EA	12-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004131)	225.69	4.69
46 82 83 00-3731	EA	Locking harness for 6712C compact portable sampler. (Teledyne Isco 686710111)	229.99	4.78
46 82 83 00-3732	EA	I/O port Y-cable for 6712/Avalanche samplers. Duplicates I/O port connection to support multiple devices. (Teledyne Isco 609004294)	382.60	7.94
46 82 83 00-3733	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682900002)	184.85	3.84
46 82 83 00-3734	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700027)	730.80	15.18
46 82 83 00-3735	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 500 (Teledyne Isco 686700028)	2,792.09	58.01
46 82 83 00-3736	EA	Caps for 500-ml wedge bottles - quantity 100 (Teledyne Isco 602900004)	96.82	
46 82 83 00-3737	EA	500-ml polyethylene round bottles with caps - quantity 12 (Teledyne Isco 682900014)	85.98	1.79
46 82 83 00-3738	EA	500-ml polyethylene round bottles with caps - quantity 100 (Teledyne Isco 686700029)	623.33	12.95
46 82 83 00-3739	EA	500-ml polyethylene round bottles with caps - quantity 500 (Teledyne Isco 686700030)	2,751.26	57.16
46 82 83 00-3740	EA	Caps for 500-ml polyethylene round bottles - quantity 100 (Teledyne Isco 601680051)	155.74	
46 82 83 00-3741	EA	375-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 682900015)	348.21	7.23
46 82 83 00-3742	EA	375-ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 686700031)	2,364.36	49.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3743	EA	24-bottle Configuration. (Teledyne Isco 686700032) Note: Includes 24 polypropylene 1-liter wedge shaped bottles with caps, retaining ring, bottle rack and two discharge tubes.	818.94	17.02
46 82 83 00-3744	EA	24-bottle Configuration. (Teledyne Isco 686700033) Note: Includes 24 glass 350-ml round bottles with PTFE lined caps retaining rings, bottle rack and two discharge tubes.	1,298.25	26.97
46 82 83 00-3745	EA	24-Container ProPak Configuration. (Teledyne Isco 686700115) Note: Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet.	1,964.56	40.81
46 82 83 00-3746	EA	8-bottle Configuration. (Teledyne Isco 686700034) Note: Includes eight polyethylene 2-liter round bottles with caps, retaining ring, bottle rack and two discharge tubes.	763.05	15.85
46 82 83 00-3747	EA	2-bottle Configuration. (Teledyne Isco 686700036) Note: Includes two polyethylene 2-gallon (7.5-liter) rectangular bottles, locating base, caps and two discharge tubes.	670.62	13.93
46 82 83 00-3748	EA	1-bottle Configuration. (Teledyne Isco 686700038) Note: Includes one polyethylene 2.5-gallon (10-liter) round bottle, two caps and two discharge tubes.	393.35	8.17
46 82 83 00-3749	EA	1-bottle Configuration. (Teledyne Isco 686700039) Note: Includes one glass 2.5-gallon (10-liter) round bottle, two PTFE lined caps and two discharge tubes.	393.35	8.17
46 82 83 00-3750	EA	Single ProPak Configuration for 6700 Series FR Refrigerated Sampler. (Teledyne Isco 686700150) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes and an instruction sheet.	580.34	12.06
46 82 83 00-3751	EA	1-bottle Configuration. (Teledyne Isco 686700040) Note: Includes one polyethylene 4-gallon (15-liter) round bottle, two caps and two discharge tubes.	393.35	8.17
46 82 83 00-3752	EA	1-bottle Configuration. (Teledyne Isco 686700042) Note: Includes one glass 20-liter round bottle, two closure caps and two discharge tubes.	741.54	15.41
46 82 83 00-3753	EA	1-bottle Configuration. (Teledyne Isco 686700041) Note: Includes one polyethylene 5.5-gallon (20.5-liter) round bottle, two caps and two discharge tubes.	414.84	8.62
46 82 83 00-3754	EA	6712FR refrigerator adapter kit for 24 bottle configuration. (Teledyne Isco 609004155) Note: Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately.	219.24	4.56
46 82 83 00-3755	EA	6712FR refrigerator adapter kit for 8 bottle configuration. (Teledyne Isco 609004154) Note: Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately.	315.96	6.56
46 82 83 00-3756	EA	6712FR refrigerator adapter kit for 2 bottle configuration. Teledyne Isco 609004153) Note: Kit contains mounting hardware for the controller and distributor arm, and a 2 bottle locating base. Bottles, caps, and discharge tubes must be ordered separately. (	337.46	7.01
46 82 83 00-3757	EA	6712FR refrigerator adapter kit for 1 bottle configuration. (Teledyne Isco 609004156) Note: Kit contains mounting hardware for the controller. Bottle, caps, and discharge tubes must be ordered separately.	55.88	1.16
46 82 83 00-3758	EA	Discharge tube. 6700FR Series Sampler 8, 12, and 24 bottle sampling. 5800/4700 Samplers, all configurations except single 20 liter bottles. (Teledyne Isco 609003279)	34.38	0.71
46 82 83 00-3759	EA	Discharge tube, 6700FR Series Sampler. (Teledyne Isco 609003283) Note: For 2 bottle or single bottle sampling.	30.09	0.63
46 82 83 00-3760	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003260) Note: For 24 bottle sampling applications.	30.09	0.63
46 82 83 00-3761	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003262) Note: For 12 bottle sampling applications.	30.09	0.63
46 82 83 00-3762	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003264) Note: For 8 bottle sampling applications.	30.09	0.63
46 82 83 00-3763	EA	Series 6700FR refrigerator only, 120 Volt AC, 60 Hertz. (Teledyne Isco 609004236)	12,638.58	262.59
46 82 83 00-3764	EA	Series 6700FR refrigerator only, 230 Volt AC, 50 Hertz. (Teledyne Isco 609004235)	12,638.58	262.59
46 82 83 00-3765	EA	FR Battery Back-up kit. Teledyne Isco 686700135) Note: Includes Isco NiCad battery 60-1684-040 and instruction sheet. When installed in FR refrigerator, the battery provides 12VDC power to continue sampler operation should AC input power fail. (	621.19	12.90
46 82 83 00-3766	EA	Temperature Logging Assembly for 6712FR Refrigerators (Teledyne Isco 686700136) Note: Includes instruction sheet.	818.94	17.02
46 82 83 00-3767	EA	Padlock. (Teledyne Isco 209902000) Note: Used to lock GLS sampler (one required) and 3700/6700 Series refrigerated samplers (two required).	70.93	1.47
46 82 83 00-3768	EA	2.5-liter polyethylene wedge-shaped bottles with caps - quantity 12 (Teledyne Isco 686700059)	272.98	5.67
46 82 83 00-3769	EA	2.5-liter polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700060)	1,375.62	28.58
46 82 83 00-3770	EA	Caps for 2.5-liter polyethylene wedge-shaped bottles - quantity 100 (Teledyne Isco 606700061)	257.51	
46 82 83 00-3771	EA	2-gallon (7.5-liter) polyethylene rectangular bottle with cap - quantity 1 (for 2-bottle refrigerated samplers) (Teledyne Isco 299001307)	204.19	4.24
46 82 83 00-3772	EA	2.5-gallon (10-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682740009)	240.74	5.00
46 82 83 00-3773	EA	2.5-gallon (9.5-liter) glass round bottle with two PTFE lined caps - quantity 1 (Teledyne Isco 682930006)	240.74	5.00
46 82 83 00-3774	EA	4-gallon (15-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682930004)	240.74	5.00
46 82 83 00-3775	EA	20 liter glass bottle with 1-cap and 1-cap with hole. (Teledyne Isco 686700152)	677.06	14.07
46 82 83 00-3776	EA	5.5-gallon (20.5-liter) polyethylene round bottle with two caps - quantity 1 (not for SR) (Teledyne Isco 682930005)	305.21	6.34
46 82 83 00-3777	EA	Silicone rubber pump tubing, for 6700 Series, Avalanche, and 5800/4700 samplers. Quantity 1. (Teledyne Isco 609004157)	70.93	1.47
46 82 83 00-3778	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 5 (Teledyne Isco 606700062)	251.48	5.22
46 82 83 00-3779	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 10 (Teledyne Isco 606700044)	457.82	9.51
46 82 83 00-3780	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 25 (Teledyne Isco 606700045)	1,057.52	21.98
46 82 83 00-3781	EA	Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series GLS, and Glacier Samplers - 10 ft. (Teledyne Isco 606700046)	184.85	3.84
46 82 83 00-3782	EA	Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series, GLS, and Glacier Samplers - 50 ft. (Teledyne Isco 606700047)	687.81	14.28
46 82 83 00-3783	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003266) Note: For 4 bottle sampling applications.	30.09	0.63
46 82 83 00-3784	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003271) Note: For single bottle composite sampling.	23.65	0.49
46 82 83 00-3785	EA	Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003257) Note: For 12 or 24 bottle sampling.	30.09	0.63
46 82 83 00-3786	EA	Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003258) Note: For single bottle sampling.	23.65	0.49
46 82 83 00-3787	EA	3/8 inch standard weighted polypropylene strainer. (Teledyne Isco 609004367)	163.36	3.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3788	EA	3/8 inch ID x 10 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004378)	206.34	4.29
46 82 83 00-3789	EA	3/8 inch ID x 25 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004379)	240.74	5.00
46 82 83 00-3790	EA	3/8 inch ID x 10 ft. (3 m) long PTFE suction line with protective jacket. (Teledyne Isco 601683146)	128.96	2.68
46 82 83 00-3791	EA	3/8 inch ID x 25 ft. (7.6 m) PTFE suction line with protective jacket. (Teledyne Isco 602703114)	240.74	5.00
46 82 83 00-3792	EA	3/8 inch ID CPVC strainer (Teledyne Isco 603704066)	202.05	4.20
46 82 83 00-3793	EA	3/8 inch stainless steel strainer, low flow. (Teledyne Isco 692903138)	131.12	2.72
46 82 83 00-3794	EA	3/8 inch vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680058)	184.85	3.84
46 82 83 00-3795	EA	3/8 inch vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680059)	741.54	15.41
46 82 83 00-3796	EA	Tubing coupler, 3/8 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709002) Note: Can be used with any Isco sampler.	42.99	0.89
46 82 83 00-3797	EA	701 Module with Stainless Steel double junction combination pH probe. (Teledyne Isco 686700052) Note: Includes combination pH probe with built-in exposed temperature probe and 25 ft. cable. Also includes one package of each buffer and rinse solution for calibrating pH probe, and instruction manual. Probe mounting hardware sold separately.	4,556.77	94.68
46 82 83 00-3798	EA	Stainless Steel double-junction combination pH probe with built-in temperature probe. (Teledyne Isco 609004126) Note: Includes 25' cable.	889.85	18.49
46 82 83 00-3799	EA	SPA 907. Standard Isco pH Sensor Extension Cable, built to length. (Teledyne Isco 605304907) Note: Allows for extension of the pH sensor for applications where greater separation is needed. For use with the pH sensor assembly with the built in temperature sensor (60-2004-146 or 60-5304-895). Must not exceed 1000 ft. maximum length between pH probe and 301 TIENet® Device or 701 module.	193.45	4.02
		For Each LF Of Extension Cable, Add	*3.83*	
46 82 83 00-3800	EA	720 Module and submerged probe with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 686700068) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Probe mounting hardware sold separately.	4,277.34	88.87
46 82 83 00-3801	EA	Submerged probe level sensor only, measures 10 ft. level range. (Teledyne Isco 603224002) Note: Includes 25 ft. connect cable.	1,964.56	40.81
46 82 83 00-3802	EA	Submerged Probe sensor extension cable, 25 ft. (Teledyne Isco 603224004) Note: For additional vented separation distance between the sensor and the flow meter. More than one extension cable may be used provided that the total distance, including sensor cable length, does not exceed 75 ft.	631.93	13.13
46 82 83 00-3803	EA	Submerged Probe sensor extension cable, 50 ft. (Teledyne Isco 603224005) Note: For additional vented separation distance between the sensor and the flow meter. Total distance including sensor cable length cannot exceed 75 ft.	698.56	14.52
46 82 83 00-3804	EA	SPA 1641. Quick Disconnect Box for 720 Module, 4120 or 4220 Submerged Probe. (Teledyne Isco 605314641) Note: Sealed box includes Amphenol connector for submerged probe, desiccant cartridge for reference air line, and a six position terminal strip. Use cut-to-length cable 60-5304-568 to complete the connection to a 4220/4120 flow meter or 720 module.	773.80	16.07
46 82 83 00-3805	EA	SPA 568. 4220/720 Submerged Probe to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304568) Note: This sensor cable is normally used with a quick disconnect box (60-5314-641) and can be ran through conduit. It has an Amphenol on one end for connection to the instrument and spade lugs on the other end for connection to the terminal block in the quick disconnect box. Maximum length is 975 ft.	161.21	3.35
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3806	EA	Flume probe cap. (Teledyne Isco 602503105) Note: For use in flumes built to accommodate an Isco probe.	70.93	1.47
46 82 83 00-3807	EA	Standard nose section for submerged probe. (Teledyne Isco 602503086)	120.37	2.50
46 82 83 00-3808	EA	Sensor carrier for attaching submerged probe level sensor to Isco Mounting Rings. (Teledyne Isco 603204005)	103.17	2.14
46 82 83 00-3809	EA	Reference Port Tubing, 1/4 inch ID x 10 ft. (3 m). (Teledyne Isco 602703111) Note: Provides extension to the reference port.	27.94	0.58
46 82 83 00-3810	EA	Reference Port Tubing, 1/4 inch ID x 25 ft. (7.6 m). (Teledyne Isco 602703112) Note: Provides extension to the reference port.	60.18	1.25
46 82 83 00-3811	EA	730 Module with 1/8 inch x 25 ft. vinyl bubble line. (Teledyne Isco 686700050) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Bubble tube mounting hardware sold separately.	5,195.14	107.94
46 82 83 00-3812	EA	1/8 inch x 25 ft. vinyl tubing. For use as a flow meter bubble line. (Teledyne Isco 609003281)	49.43	1.03
46 82 83 00-3813	EA	1/8 inch x 100 ft. vinyl bubble line. (Teledyne Isco 601700003)	135.42	2.81
46 82 83 00-3814	EA	Stainless Steel Bubble Tube - 4 ft. length. (Teledyne Isco 601873043) Note: For use with 1/8 inch ID vinyl bubble line.	53.74	1.12
46 82 83 00-3815	EA	Sensor carrier for attaching bubble line to Isco Mounting Rings. (Teledyne Isco 603204007)	191.29	3.97
46 82 83 00-3816	LF	SPA 706. 1/8 inch vinyl Bubble Line, cut to length, per ft. Maximum available length is 500 ft. (Teledyne Isco 605304706) Note: It is not recommended to use lengths in excess of 200 ft. for any single application. Contact factory for details.	2.66	0.05
46 82 83 00-3817	EA	750 Module and Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 686700106) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Probe mounting hardware sold separately.	8,462.26	175.82
46 82 83 00-3818	EA	Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 603254021)	2,753.41	57.21
46 82 83 00-3819	EA	Area velocity sensor extension cable. 25 ft., for additional separation between sensor and flow meter. (Teledyne Isco 603254005) Note: One or two extensions can be used with 10 ft. level measurement range sensor. Only one extension can be used with 30 ft. level measurement range. Beyond these distances, use the quick disconnect box 60-3254-004.	588.94	12.23
46 82 83 00-3820	EA	SPA 889. Area Velocity Sensor Extension Cable for Models 4150/4250 or 6712 with 750 module, Cut to length. (Teledyne Isco 605304889) Note: Maximum length is 50 ft.	571.74	11.88
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3821	EA	Area velocity sensor quick disconnect box. (Teledyne Isco 603254004) Note: Allows external connection of flow meter to sensor through conduit. Includes desiccator for sensor vent. Maximum distance between box and flow meter is 975 ft. Contact factory for information on cable between box and flow meter or non-conduit wiring, a watertight cord grip fitting (P/N 209-0076-03) is required. (Refer to SPA 60-5304-843.)	767.34	15.94
46 82 83 00-3822	EA	Sensor carrier for attaching low profile area velocity sensor to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603204029)	113.92	2.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3823	EA	SPA 843. 750 Module to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304843) Note: This sensor cable is normally used with a quick disconnect box (60-3254-004) when running cable through conduit. It has an Amphenol on one end for connection to the 750, and spade lugs for connection to the terminal strip of the quick disconnect box. Maximum length is 975 ft.	399.79	8.30
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3824	EA	780 analog input module. Includes 10 ft. cable and instruction manual. (Teledyne Isco 609004040)	1,063.97	22.11
46 82 83 00-3825	EA	674 Rain Gauge. Tips every 0.01 inch of rainfall. Tipping bucket rain gauge with 50 ft. cable and connector for use with a 4100 Series Flow Logger, 4200 Series Flow Meter, or 6700 Series/Avalanche Sampler. (Teledyne Isco 603284001) Note: Includes instruction manual.	1,719.53	35.72
46 82 83 00-3826	EA	Model 1640 Sampler Actuator. (Teledyne Isco 601644000) Note: Includes instruction manual. Equipped with a 22' cable length to the probe tip See CSI section 46 82 83 00-3857 for for cut to length version.	730.80	15.18
46 82 83 00-3827	EA	Instruction manual, Model 1640 Liquid Level Actuator. (Teledyne Isco 601644009)	32.03	
46 82 83 00-3828	EA	4-20 mA input interface for 6700 Series, Avalanche, or GLS Sampler. (Teledyne Isco 603704075) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Attaches to sampler controller and includes short cable to connect to the sampler's flow meter connector.	358.95	7.46
46 82 83 00-3829	EA	Instruction manual, Model 6712 portable sampler (Teledyne Isco 609004334)	123.61	
46 82 83 00-3830	EA	Pocket guide, Model 6712 portable sampler (Teledyne Isco 699003589)	26.78	
46 82 83 00-3831	EA	Instruction manual, Model 6712FR (Teledyne Isco 609004335)	121.55	
46 82 83 00-3832	EA	Instruction manual, Model 701 pH and Temperature Module (Teledyne Isco 609003065)	121.55	
46 82 83 00-3833	EA	Instruction manual, Model 720 Submerged Probe Flow Module (Teledyne Isco 609003368)	121.55	
46 82 83 00-3834	EA	Instruction manual, Model 730 Bubbler Flow Module (Teledyne Isco 609003063)	121.55	
46 82 83 00-3835	EA	Instruction manual, Model 750 Area Velocity Module (Teledyne Isco 609003465)	121.55	
46 82 83 00-3836	EA	Instruction manual, Model 780 Analog Interface Module (Teledyne Isco 609003064)	121.55	
46 82 83 00-3837	EA	AQ702 multiparameter sonde. (Teledyne Isco 600603302) Note: Includes AQ702 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit.	10,349.44	215.03
46 82 83 00-3838	EA	AQ703 multiparameter sonde. (Teledyne Isco 600603303) Note: Includes AQ703 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, turbidity with wiper, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit with replacement wiper.	15,514.50	322.35
46 82 83 00-3839	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 5 meter length. (Teledyne Isco 600603314)	896.31	18.62
46 82 83 00-3840	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 10 meter length. (Teledyne Isco 600603315)	973.69	20.23
46 82 83 00-3841	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 15 meter length. (Teledyne Isco 600603316)	1,040.32	21.62
46 82 83 00-3842	EA	SDI-12 converter to 6712 series sampler. (Teledyne Isco 600603321) Note: This converter connects the AQ700 field cable to a 6712 series sampler which includes the 6712 Full Size portable, 6712C portable, 6712FR refrigerated, and Avalanche Samplers.	597.54	12.42
46 82 83 00-3843	EA	SDI-12 converter to Signature® Flow Meter. (Teledyne Isco 600603322) Note: The converter connect the AQ700 field cable to a Signature® Flow Meter.	354.66	7.37
46 82 83 00-3844	EA	SDI-12 converter to 2105 series interface module. (Teledyne Isco 600603320) Note: The converter connect the AQ700 field cable to a 2105 series interface module which includes the 2105, 2105Ci, and 2105Gi modules.	709.30	14.74
46 82 83 00-3845	EA	AQ700 Hamilton optical dissolved oxygen sensor replacement cap (Teledyne Isco 600603343)	505.11	10.49
46 82 83 00-3846	EA	AQ700 pH reference electrode replacement cap (Teledyne Isco 600603344)	116.08	2.41
46 82 83 00-3847	EA	SDI-12 connection cable for YSI Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004337)	240.74	5.00
46 82 83 00-3848	EA	Y Connect Cable; for YSI Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004338)	425.59	8.84
46 82 83 00-3849	EA	SDI-12 connection cable for Hydrolab Quanta Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004339)	240.74	5.00
46 82 83 00-3850	EA	Y Connect Cable; for Hydrolab Quanta Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004340)	419.13	8.71
46 82 83 00-3851	EA	SDI-12 connection cable for Isco Avalanche or 6712 Sampler and generic SDI-12 sensor (Teledyne Isco 609004341)	169.80	3.53
46 82 83 00-3852	EA	Y Connect Cable; for Generic SDI-12 sensor, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004342)	565.30	11.74
46 82 83 00-3853	EA	SPA 1400. YSI Adapter Extension Cable for Avalanche and 6712. SDI-12 adapter cable to adapt YSI sondes to the Avalanche/6712. (Teledyne Isco 605314400) Note: Allows for additional separation between the sonde and sampler. Built to length, per ft. Specify length at time of order.	300.92	6.25
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-3854	EA	SPA 360. Modification to add Lifting Lugs to 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304360) Note: Four stainless steel lifting lugs are added, one to each corner, to allow for lifting with a mechanical hoist. For the 5800/4700 refrigerated sampler requires removal of pump cover, cannot be used with pump heater option.	436.32	9.06
46 82 83 00-3855	EA	SPA 391. Y Connect cable, 4200 series flow meter to 6700/3700/GLS series sampler and Type 'E' Interface. (Teledyne Isco 605304391) Note: Requires the use of a sampler to flow meter cable (60-3004-107 or cut to length version 583). For the 5800/4700 refrigerated sampler the part number for the sampler to flow meter cable is 69-4704-043 (25 ft) or cut to length version SPA 1687 (up to 1,000 ft).	425.59	8.84
46 82 83 00-3856	LF	SPA 491. 3/8 inch vinyl Suction Line, cut to length, per ft. (Teledyne Isco 605304491) Note: Maximum available length is 400 ft.	3.40	0.07
46 82 83 00-3857	EA	SPA 565. 3700/6700/GLS/Avalanche 1640 Liquid Level Actuator, cut to length, per ft. (Teledyne Isco 605304565) Note: Maximum available length is 250 ft. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.	580.34	12.06
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3858	LF	SPA 569. 3/8 inch PTFE suction line with protective jacket, cut to length, per ft. (Teledyne Isco 605304569) Note: Maximum available length is 500 ft.	10.10	0.21

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46 82 83 00-3859	EA	SPA 583. Cut to length cable connects 6700/3700/GLS series samplers to 4200 series flow meters. (Teledyne Isco 605304583) Note: Custom length connect cable for applications when the sampler and flow meter are separated by more than 25 ft. Maximum length is 1,000 ft. Applications longer than 200 ft. will require a power supply on the sampler and a separate supply on the flow meter. For connection to the 5800/4700 sampler, use 60-5314-687. Not for use with 2100 systems.	161.21	3.35
		For Each LF Of Extension Cable, Add	*5.01*	
46 82 83 00-3860	EA	SPA 584. Modification to 6712FR/5800/4700 refrigerated samplers for the addition of anchor lugs. (Teledyne Isco 605304584) Note: An anchor bracket is added to each corner of the refrigerator, 2 brackets per side, to allow the refrigerator to be attached to the floor. If this is ordered without the refrigerator as a kit the model (6712FR or 5800/4700) of the refrigerator will be required to insure proper hardware and instructions are included, contact SPA department for details.	436.32	9.06
46 82 83 00-3861	EA	SPA 606. Modify 6712FR for 4 bottle configuration, bottles ordered separately. (Teledyne Isco 605304606) Note: Modification to 6712FR includes installation of unique drip tray, a different shelf, a bottle locating deck, distributor arm, shaft, 2 pump tubes and a discharge tube. Order plastic or glass bottles separately, (4x) 2 gallon polyethylene bottles 299-0013-07 or (4x) 2.5 gallon glass bottles 68-2700-005. If ordered as a kit for in-field installation order shelf part number 61-2723-028 separately, contact SPA department for details.	861.91	17.91
46 82 83 00-3862	EA	SPA 665. Relay alarm during sampling period. (Teledyne Isco 605304665) Note: Converts the event mark signal of 6700/3700/GLS series samplers into a Form 'C' contact closure for control use. Includes control of three-way solenoid valve to sample from pressurized line, or to control a pump linked to the SPA 888 Flow Thru Chamber. Contacts rated 12 amp, 120 VAC. Requires event mark to be set appropriately in the standard software. Plugs into the Flow Meter port on sampler. For connection to 5800/4700 sampler also order adapter 60-5314-697 or 60-5314-704.	915.65	19.02
46 82 83 00-3863	EA	SPA 719. Low Flow 3/8-inch stainless steel strainer. (Teledyne Isco 605304719) Note: Three 3/8-inch holes oriented toward bottom via 2-inch square plate. 7-inches long, 7/8-inch high. Contact factory for application details.	436.32	9.06
46 82 83 00-3864	EA	SPA 741. Modification to Mount Handles on 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304741) Note: Stainless steel handles (4) are added to the sides of the refrigerator to allow for easier handling.	567.45	11.79
46 82 83 00-3865	EA	SPA 790. Custom length Cable for non-Isco external control of 6700/3700/GLS series samplers. (Teledyne Isco 605304790) Note: Cable provides pins 'B' and 'F' for connection to customer's unpowered switch or contact. When closed, this will disable the sampler. Customer may hook this cable to floats, relay alarms, etc. to control when they want the sampler program to run. Maximum length of 1,000 ft.	126.82	2.63
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3866	EA	SPA 820. PTFE coated 3/8-inch Stainless Strainer. (Teledyne Isco 605304820) Note: This is our old style 3/8-inch stainless strainer that has been coated with PTFE. Use 60-5314-552 for non-PTFE coated version.	567.45	11.79
46 82 83 00-3867	EA	SPA 895. Custom length Double Junction pH Sensor for connection to Signatue 301 pH/temperature device or 6712 with 701 module. (Teledyne Isco 605304895) Note: This is the standard 60-9004-126 pH sensor, with custom length cable. Units are ordered from vendor, so allow from 4 to 10 weeks delivery on any SPA 895. This probe has the built in temperature sensor. Please specify the length when ordering.	1,083.31	22.51
		For Each LF Of Extension Cable, Add	*2.55*	
46 82 83 00-3868	EA	SPA 906. Modify 6712FR for 2-Bottle Configuration for 6712FR refrigerated samplers. (Teledyne Isco 605304906) Note: Includes 2 polypropylene 20 liter containers, bottle locating deck, distributor arm and shaft appropriate for type of refrigerator. Please specify refrigerator model when ordering. For single replacement bottle order 60-5304-908. This modification places a flat shelf lower in the refrigerator to accommodate the bottles. When ordering as a kit include shelf part number 61-2723-028.	1,145.64	23.80
46 82 83 00-3869	EA	SPA 908. One 5 gallon (20 liter) polypropylene bottle, rectangular. (Teledyne Isco 605304908) Note: This is the same bottle used by SPA 906 (60-5304-906) and SPA 1694 (60-5314-694).	457.82	9.51
46 82 83 00-3870	EA	SPA 918. Modification to 6700/3700 series samplers for internal 120 Volt AC heater, with line cord. (Teledyne Isco 605304918) Note: A 30 watt, AC powered strip heater is installed in the control box to insure display is readable in extremely cold conditions. Controller has power cord to provide 120 VAC to the heater. A fixed point thermostat controls heater to keep internal temperature above 35 degrees F. For portable units only, for 6712FR refrigerators use SPA 1020. For 5800/4700 refrigerated samplers use standard product offerings.	1,266.01	26.30
46 82 83 00-3871	EA	SPA 1932. Two wheel hand cart for portable non-refrigerated samplers. (Teledyne Isco 605314932) Note: Semi-pneumatic tires allow movement over uneven terrain. Includes cord to secure base of portable sampler to cart; intended for temporary use. State model of sampler and compact or standard base to ensure that the proper secure cord length is supplied.	666.32	13.85
46 82 83 00-3872	EA	SPA 939. DC Powered RTD Interface. (Teledyne Isco 605304939) Note: Connects and powers 581 RTD during transfer to a PC with a DB-9 pin serial port. Can be powered with a 9 Volt DC battery, or powered by an external 12 Volt DC source such as a user-supplied AC-DC power converter. External DC Power supply must be regulated 12 Volt DC, 200 mA. Standard 9 Volt DC battery supports portable PC use; external power provides support for non-120 Volt AC customers.	436.32	9.06
46 82 83 00-3873	EA	SPA 947. Model 6712/Avalanche Sampler Single I/O Alarm. (Teledyne Isco 605304947) Note: This is an external alarm, in a NEMA 4 box, housing a single relay, 12 amp, 120 VAC, to communicate alarm conditions within the 6712. The 6712 can be programmed to alarm any one of several conditions such as program done, run errors, program enabled, etc. as set in programming. Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.	1,199.38	24.92
46 82 83 00-3874	EA	SPA 970. Custom length cable for non-Isco external flow pacing of 6700/3700/GLS series samplers. (Teledyne Isco 605304970) Note: Cable provides pins 'A' and 'C' for connection to customer's unpowered flow proportional contact closure. A momentary contact closure across these pins will cause the flow pulse counter to decrement 1 count. This is a custom length version of 60-1394-077. Maximum length of 1,000 ft.	126.82	2.63
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3875	EA	SPA 978. Model 6712/Avalanche Sampler Double I/O Alarm. Same as SPA 947 but has two programmable alarm outputs. (Teledyne Isco 605304978) Note: Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.	1,397.11	29.03
46 82 83 00-3876	EA	SPA 979. Model 6712/ Avalanche Sampler Triple I/O Alarm. Same as SPA 947 but has three programmable alarm outputs. (Teledyne Isco 605304979) Note: Connects to the rain gauge/ I/O port. "Not for use with 6712FR with temperature logging option installed.	1,865.70	38.76
46 82 83 00-3877	EA	SPA 983. PEEK Coupler. (Teledyne Isco 605304983) Note: This coupler provides connection between 3/8-inch suction line and sampler's pump tubing. It is made from PEEK and is often used when sampling for trace metals.	305.21	6.34

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46 82 83 00-3878	EA	SPA 1012. Modification to 6712FR for 4 Bottle Configuration. (Teledyne Isco 605314012) Note: Includes a different shelf and the shelf brackets location inside of the cooling box is modified; included are 4 rectangular polyethylene 10-liter containers, bottle locating deck, distributor arm, distributor shaft, two pump tubes and a discharge tube. If ordered as a kit for in-field installation on the 6712FR, add shelf part number 61-2723-028, contact SPA department for details. For one single replacement bottle, order 60-5314-308.	926.40	19.25
46 82 83 00-3879	EA	SPA 1020. Modify 6712FR for controller compartment heater. (Teledyne Isco 605314020) Note: This is a forced air (fan) 200 watt heater that is mounted to the inside upper portion of the 6712FR refrigerator. Powered via its own 120 VAC line cord, it has an integral thermostat. It is a popular option for customers having concerns about liquid droplets freezing in the pump tube. Available as a kit for field installation, contact SPA department for details.	1,244.51	25.86
46 82 83 00-3880	EA	SPA 1026. Cut to length cable for Models 6712/Avalanche/3700/GLS flow paces a second sampler from the first sampler's event mark. (Teledyne Isco 605314026) Note: Usually used when a 6712 sampler with module is required to flow pace a second sampler for nearly simultaneous sampling. Uses both sampler's flow meter ports.	152.61	3.17
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3881	EA	SPA 1074. 750 Module Low Profile Area Velocity Sensor, built to length. (Teledyne Isco 605314074) Note: This is the 10 ft. range low profile sensor with a custom length cable up to 75 ft. long. Often used instead of extension cable to facilitate custom installations.	2,557.81	53.15
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3882	EA	SPA 1081. Pressure Reduction Valve. (Teledyne Isco 605314081) Note: This valve is used for sampling from pressurized lines and is suggested for use with a software enhanced 6712 sampler. It reduces pressures from as high as 300 psi down to levels safe for Isco samplers. Equipped with stainless steel components and a brass body it includes a gauge to monitor output pressures, factory preset to 10 psi. It is a portion of the Pressurized Line Sampling System 68-5304-001. This product does not handle solids.	2,519.12	52.34
46 82 83 00-3883	EA	SPA 1082. Three way 120 Volt AC actuated-ball valve. (Teledyne Isco 605314082) Note: This stainless steel and brass valve is used with SPA 947 or SPA 1484 to allow sampling from pressurized line. Often requires the use of SPA 1081 as well. Valve actuates to allow liquid to be delivered to the pump. Also need SPA 1376 (no charge) to allow valve to open before sampling begins. For three-way 230/240 VAC actuated-ball valve use 60-5314-229. This valve is part of the Pressurized Line Sampling System 68-5304-001.	2,923.21	60.73
46 82 83 00-3884	EA	SPA 1106. Two wheel hand cart for 6712FR or 5800/4700 refrigerated samplers. (Teledyne Isco 605314106) Note: Inflatable tires allow movement over uneven terrain. To attach cart to refrigerator for secured support also order brackets part number 60-5314-107 (not included).	1,046.76	21.75
46 82 83 00-3885	EA	SPA 1107. Brackets to secure two wheel hand cart (60-5314-106) to 6712FR or 5800/4700 refrigerated samplers for solid support of cart to refrigerator. (Teledyne Isco 605314107)	500.81	10.40
46 82 83 00-3886	EA	SPA 1140. Norprene pump tubing for use with the 5800/4700 and 6712 samplers. (Teledyne Isco 605314140) Note: Norprene is a heavy-duty tubing for use when sampling strong acids or base. It is also an alternative where premature pump tube failure is occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.	915.65	19.02
46 82 83 00-3887	EA	SPA 1157. 6712 I/O Port Interface Cable. (Teledyne Isco 605314157) Note: Allows access to the I/O port signals for connection to data control systems. I/O outputs 1, 2, and 3 plus ground are provided in a cut to length cable with a maximum length of 100 ft.	225.69	4.69
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3888	EA	SPA 1181. 6712 I/O port to 6700 I/O Connect Cable, built to length. (Teledyne Isco 605314181) Note: This cable allows communication/control between the I/O ports of two 6700 samplers. Includes enabling a second 6700 sampler from parameters measured in the first 6712 sampler.	225.69	4.69
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3889	EA	SPA 1189. Custom Length Connect Cable for External 12 Volt DC source. (Teledyne Isco 605314189) Note: Cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6712 portable samplers, and Signature Portable flow meters. Appropriate for use with 40 Watt and 110 Watt solar panels. Same as part number 60-1394-023 except for custom length. Remember to specify the length of this product. Max length is 50'.	163.36	3.39
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-3890	EA	SPA 1257. Black Tygon Suction Line, 25 ft., with stainless steel strainer. (Teledyne Isco 605314257) Note: Tubing color is black to resist growth on the inner walls of the suction line.	567.45	11.79
46 82 83 00-3891	LF	SPA 1260. Black Tygon Suction Line, 3/8 inch, cut to length, per ft. (Teledyne Isco 605314260) Note: Maximum length is 500 ft. Tubing color is black to resist growth on the inner walls of the suction line.	7.91	0.16
46 82 83 00-3892	EA	SPA 1271.720 Submerged probe, 10 ft. range, built to length. (Teledyne Isco 605314271) Note: Maximum length is 75 ft.	1,859.24	38.63
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3893	EA	SPA 1278. Y cable,sampler port to two devices, without diodes. Similar to 603704081 but without diodes blocking power. (Teledyne Isco 605314278) Note: Allows replication of sampler port for connection of alarm boxes, non-Isco cables, interfaces, etc.	425.59	8.84
46 82 83 00-3894	EA	SPA 1281. 4-20 mA input interface with cut-to-length cable for 3700 Series, 6700 Series or GLS Sampler. (Teledyne Isco 605314281) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Custom cable length allows the interface to be mounted remotely from the sampler controller.	343.90	7.14
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3895	EA	SPA 1301. Sampler to Flow Meter cable with pigtails at one side. (Teledyne Isco 605314301) Note: Cut to length 1,000' maximum length cable provides connector on one end and all 6 wires A-F as pig tails on the other end, connects to sampler's flow meter port. For 5800 use 10' universal connect cable 68-5800-020, or maximum 100' cut to length 605314738.	96.72	2.01
		For Each LF Of Extension Cable, Add	*4.68*	
46 82 83 00-3896	EA	SPA 1361. Analog (4-20 mA) Alarm Box. (Teledyne Isco 605314361) Note: Provides two customer settable alarms off single 4-20 mA loop. For Isco or non-Isco instruments. High/low alarms for any parameter we can generate a 4-20 mA loop for. Requires the instrument to have an analog output option installed.	2,497.62	51.90
46 82 83 00-3897	EA	SPA 1374. 6712 Temperature Sensor, cut to length. (Teledyne Isco 605314374) Note: Measures site or stream temperature. Readings are logged by controller as FR-TEMP readings and may be used as a sampler enable condition. Connects to Rain Gauge port. Not for use with 6712FR with temperature logging option installed.	881.26	18.31
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-3898	EA	SPA 1381. Wireless radios for transmitting 4-20 mA loop. (Teledyne Isco 605314381) Note: Also can provide wireless connection between rain gauge and Isco instruments. Useful where cable connection is impractical or excessively costly. Includes 2 transceivers, 2 antennas, 1 AC supply and necessary wiring to Isco instrument. Contact factory for details.	8,081.81	167.92
46 82 83 00-3899	EA	SPA 1415. Cut to length stainless steel suspension cable with two hooks. (Teledyne Isco 605314415) Note: Suitable for suspension between sampler suspension harness 60-1394-014 and Booster pump 60-5314-861.	118.23	2.46
		For Each LF Of Extension Cable, Add	*3.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3900	EA	SPA 1505. Peek bulkead fitting for 6712FR. (Teledyne Isco 605314505) Note: Similar to PTFE this fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 6712 fiberglass refrigerator, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	631.93	13.13
46 82 83 00-3901	EA	SPA 1552. Old style 3/8-inch weighted stainless steel strainer. Four piece stainless steel strainer. 9-1/4 inches long, 1-3/8 inches diameter. (Teledyne Isco 605314552)	371.85	7.73
46 82 83 00-3902	EA	SPA 1578.6700 series sampler interrogator port extension cable, cut to length. (Teledyne Isco 605314578) Note: Use in tandem with 60-2004-508 to increase length of USB connect cable. Specify length when ordering. Total length of all cables must not exceed 200'. Not for use with 2100 systems.	169.80	3.53
		For Each LF Of Extension Cable, Add	*5.01*	
46 82 83 00-3903	EA	SPA 1652. Bracket to mount AV sensor and sampler strainer on user-supplied metal post. (Teledyne Isco 605314652)	545.96	11.35
46 82 83 00-3904	EA	SPA 1745. Modify 6712FR or 5800/4700 refrigerated sampler to disable the sampler's program when an internal liquid level actuator sensor is submerged in a composite bottle. (Teledyne Isco 605314745) Note: When the liquid detector's probe is wetted the controller goes into disable program state, when the probe is removed from water or dried the controller will go back into enable sample program state. All of the wiring is internal; this product will not interact with external disable, if external disable is required contact the factory for details.	1,085.46	22.55
46 82 83 00-3905	EA	SPA 1814. Modify 6712FR or 5800/4700 refrigerated sampler to add bottle full lamp indicator for composite 2.5 gallon poly bottle configuration. (Teledyne Isco 605314814) Note: Utilizes float affixed to lid of 2.5 gallon poly bottle (not included, order bottle configuration separately) to run exterior lamp for bottle full condition. Does not affect controller operation, simply indicates that the bottle is full.	840.42	17.46
46 82 83 00-3906	EA	SPA 1935. Blade Antenna with SMA style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. (Teledyne Isco 605314935) Note: This antenna is for old style 2103C/2103G with an SMA style connector or external cell phone for 4200 series flow meter or 6712 sampler CDMA style 60-5314-489 or GSM style 60-5314-653.	294.46	6.12
46 82 83 00-3907	EA	SPA 1801. Modify 1640 Liquid Level Actuator for Removable Sensor Probe. (Teledyne Isco 605314801) Note: Provides a removable connection between the 1640 liquid level actuator (not included) and the probe cable, the liquid level actuator is purchased separately as either the 22' standard or custom length version.	169.80	3.53
46 82 83 00-3908	EA	SPA 1802. Custom Length Probe for 1640 Liquid Level Actuator (Teledyne Isco 605314802) Note: Requires 60-5314-801 (not included) and 1640 liquid level actuator (not included). Provides Custom Length probe cable or spare probe cable for a 1640 Liquid Level Actuator that has been modified for a removable probe cable. Maximum available length is 250 ft.	163.36	3.39
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3909	EA	SPA 1805. Cable, cut to length, with USOC RJ11C phone connector to 4200/6712 series internal modem connector. (Teledyne Isco 605314805) Note: Order when the standard 12 ft. cable supplied with the Telephone Modem with voice messaging for 4200 series flow meters option requires a greater length. Cut to length version of part number 60-3214-020.	150.46	3.13
		For Each LF Of Extension Cable, Add	*2.51*	
46 82 83 00-3910	EA	SPA 1826. 8 bottle configuration for 6712FR sampler. (Teledyne Isco 605314826) Note: Includes 8 round glass 1.8 liter bottles, 8 PTFE lined caps, bottle rack and two discharge tubes.	2,029.05	42.16
46 82 83 00-3911	EA	SPA 1861. Booster pump for 5800/4700 refrigerated sampler or modified 6700/3700/GLS/Portable Refrigerated Sampler series. (Teledyne Isco 605314861) Note: Allows sampling from extended heads above 28 feet. Equipped with two 80' cables and suction line, pump tubing and a single 3/8" coupler. One cable connects to a separately ordered high capacity 12 Volt DC power source, the other connects to the 16 pin connector on the 5800/4700 or modified 6700/3700/GLS/Portable Refrigerated Sampler series. The output of this pump connects directly to the input pump of the controller, liquid detection occurs at the controller. Requires the use of 2 (of 4) output alarms from the 5800. The 6700/3700/GLS/Portable Refrigerated Sampler series requires a modification to the sampler controller ordered separately as 60-5324-038. The booster pump is encased in a 3700 style control box; submersion is not recommended. Use 3 point suspension harness 60-1394-014 and suspension cable 60-5314-415 for mounting considerations. This SPA voids the specified line velocity rating of the standard sampler pump.	4,047.35	84.09
46 82 83 00-3912	EA	SPA 1978. Generation III Hi-Temp Flow Through Chamber. (Teledyne Isco 605314978) Note: Made from ABS and CPVC and compatible with liquids up to 180 degrees F. Chamber has a 2-inch inlet, 3-inch outlet, and 3-inch clean-out plug; same opening sizes as now obsolete part number 60-5304-888.	436.32	9.06
46 82 83 00-3913	EA	SPA 2038. Modify 6712, 3700, GLS or portable refrigerator for booster pump (not included). (Teledyne Isco 605324038) Note: Modifies controller to connect to separate booster pump, use separate 60-5314-861 Spa 1861 booster pump. This modification is not required for model 4700 or 5800 sampler.	861.91	17.91
46 82 83 00-3914	EA	SPA 2047. SDI-12 Submersible temperature sensor probe for 6700 series sampler. (Teledyne Isco 605324047) Note: Standard length is 59 feet, available with a submersible splice up to 200 feet maximum length for an additional fee. Equipped with a connector for the sampler's rain gauge/IO port.	2,740.51	56.95
		For Each LF Of Extension Cable, Add	*2.43*	
46 82 83 00-3915	EA	6712Gi GSM Cell Phone Modem Package for North America/Region A. (Teledyne Isco 605324151) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.	3,825.97	79.49
46 82 83 00-3916	EA	6712Gi GSM Cell Phone Modem Package for Europe/Region B. (Teledyne Isco 605324152) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.	3,825.97	79.49
46 82 83 00-3917	EA	Complete Pressurized Line Sampling for 6700 Series Sampler, 120 Volt AC only. (Teledyne Isco 685304001) Note: Contains pressure reduction valve (60-5314-081), 3-way 120 VAC actuated ball valve (60-5314-082), 6712 I/O alarm box for three-way ball valve (60-5314-484), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Utilizes one of three I/O alarms. Provides a 9 foot 120 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port. The port is duplicated on the I/O alarm box. Not for use with 6700 or 3700 samplers, contact factory for details.	7,265.04	150.94
46 82 83 00-3918	EA	Complete Pressurized Line Sampling for 6700 Series Sampler, 240 Volt AC only. (Teledyne Isco 685304007) Note: Contains pressure reduction valve (60-5314-081), 3-way 240 VAC actuated ball valve (60-5314-229), 6712 I/O alarm box for three-way ball valve (60-5314-718), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Provides a 7.5 foot 240 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port; the port is duplicated on the I/O alarm box. Utilizes one of three I/O alarms. Not for use with 6700 or 3700 samplers, contact factory for details.	8,202.18	170.42
46 82 83 00-3919	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz). (Teledyne Isco 685800001) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	11,976.56	248.84
46 82 83 00-3920	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with pump heater. (Teledyne Isco 685800102) Note: Includes control panel, refrigeration unit, pump housing heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,199.57	274.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3921	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with battery backed power. (Teledyne Isco 685800064) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 Amp/Hours lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,001.82	270.15
46 82 83 00-3922	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 685800002) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	11,976.56	248.84
46 82 83 00-3923	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with battery backed power. (Teledyne Isco 685800065) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 Amp/Hours lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,001.82	270.15
46 82 83 00-3924	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater. (Teledyne Isco 685800103) Note: Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,199.57	274.25
46 82 83 00-3925	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with pump heater and battery backed power. (Teledyne Isco 685800200) Note: Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide.To recieve a complete system you must also order a bottle configuration kit and suction line with strainer.	13,132.94	272.87
46 82 83 00-3926	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater and battery backed power. (Teledyne Isco 685800201) Note: Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide. To recieve a complete system you must also order a bottle configuration kit and suction line with strainer.	12,939.49	268.85
46 82 83 00-3927	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 685800003) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	11,976.56	248.84
46 82 83 00-3928	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz) with battery backed power. (Teledyne Isco 685800066) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	12,810.54	266.16
46 82 83 00-3929	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater. (Teledyne Isco 685800104) Note: Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,003.98	270.19
46 82 83 00-3930	EA	24-bottle Configuration. Includes 24 polypropylene 1-liter wedge shaped bottles with caps, bottle rack and two discharge tubes. (Teledyne Isco 685800015)	795.29	16.53
46 82 83 00-3931	EA	24-bottle Configuration. Includes 24 glass 350-ml round bottles with PTFE line caps, retaining rings, bottle rack and two discharge tubes. (Teledyne Isco 685800016)	1,266.01	26.30
46 82 83 00-3932	EA	24-Container ProPak Configuration. Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet. (Teledyne Isco 685800017)	1,964.56	40.81
46 82 83 00-3933	EA	4-bottle Configuration. Includes four polyethylene 10-liter (2.5 gallon) round bottles with caps, locating base and two discharge tubes. (Teledyne Isco 685800005)	915.65	19.02
46 82 83 00-3934	EA	4-bottle Configuration. Includes four glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base and two discharge tubes. (Teledyne Isco 685800006)	915.65	19.02
46 82 83 00-3935	EA	4-bottle Configuration. Includes four PPE 20-liter (5 gallon) Square bottles with PTFE lined caps, locating base, distributer arm, and two discharge tubes. (Teledyne Isco 685800019)	993.04	20.63
46 82 83 00-3936	EA	2-bottle Configuration. Includes two polyethylene 10-liter (2.5 gallon) round bottles, locating base, caps and two discharge tubes. (Teledyne Isco 685800007)	741.54	15.41
46 82 83 00-3937	EA	2-bottle Configuration. Includes two glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base, and two discharge tubes. (Teledyne Isco 685800008)	741.54	15.41
46 82 83 00-3938	EA	1-bottle Configuration. Includes one polyethylene 2.5-gallon (10-liter) round bottle, locating base, two caps and two discharge tubes. (Teledyne Isco 685800009)	393.35	8.17
46 82 83 00-3939	EA	1-bottle Configuration. Includes one glass 2.5-gallon (10-liter) round bottle, one PTFE lined cap, locating base, and two discharge tubes. (Teledyne Isco 685800010)	393.35	8.17
46 82 83 00-3940	EA	Single ProPak Configuration for 5800 and 6700 Series FR Refrigerated Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes, locating base and an instruction sheet. (Teledyne Isco 685800018)	588.94	12.23
46 82 83 00-3941	EA	1-bottle Configuration. Includes one polyethylene 20.5-liter (5.5 gallon) round bottle, two caps and two discharge tubes. (Teledyne Isco 685800011)	414.84	8.62
46 82 83 00-3942	EA	1-bottle Configuration. Includes one glass 18.5-liter (5 gallon) round bottle, two PTFE lined caps and two discharge tubes. (Teledyne Isco 685800012)	741.54	15.41
46 82 83 00-3943	EA	5800 replacement control panel assembly (Teledyne Isco 605804031)	1,319.74	27.42
46 82 83 00-3944	EA	5800 refrigerated sampler multipurpose cable with 16 unterminated leads, 10 ft. (3 m). Includes instruction sheet. (Teledyne Isco 685800020)	206.34	4.29
46 82 83 00-3945	EA	USB Communication Cable, 10 ft, for 5800 refrigerated sampler. (Teledyne Isco 605804177)	623.33	12.95
46 82 83 00-3946	EA	SPA 1687. 5800/4700 refrigerated sampler to 4100/4200 series flow meter connect cable, cut to length. (Teledyne Isco 605314687) Note: Specify length when ordering. Not for use with 2100 systems.	343.90	7.14
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3947	EA	SPA 1697. Adapter, 5800/4700 series sampler to 6700/3700 series sampler standard 6 pin 'flow meter' port, cut to length. Connects to the 16-pin external device connector. The other end is finished with a flow meter port connector identical to the port found on 6700 and 3700 samplers. (Teledyne Isco 605314697) Note: Use SPA 1704 for an adaptor that also provides a duplicate of the 16 pin connector from the 5800/4700 series sampler.	279.42	5.80
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3948	EA	SPA 1698. 5800/4700 refrigerated sampler dual 16 pin standard external device connection box. (Teledyne Isco 605314698) Note: Provides for two external device connectors through the sampler's standard 16 pin connector.	687.81	14.28
46 82 83 00-3949	EA	SPA 1704. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6700/3700 series standard 6 pin 'flow meter' port and 5800/4700's 16 pin standard connector. (Teledyne Isco 605314704)	545.96	11.35
46 82 83 00-3950	EA	SPA 1706. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6712 standard 9 socket 'I/O output' port and 5800/4700 16 pin standard connector. (Teledyne Isco 605314706) Note: Provides for connection to external equipment normally connected to the 6712's I/O port for 5800/4700 alarm outputs and duplicates the 5800/4700's 16-pin external device connector.	556.70	11.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3951	EA	SPA 1738. Cut to length version of 5800/4700 refrigerated sampler multipurpose cable with 16 unterminated leads, 100 ft. maximum length. Includes instruction sheet. (Teledyne Isco 605314738)	178.41	3.71
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3952	EA	SPA 1777. 5800/4700 refrigerated sampler to 3010 flow transmitter connect cable, cut to length. (Teledyne Isco 605314777) Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-08) is required.	279.42	5.80
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3953	EA	5800/4700 Pump heater installation kit - 120 Volt AC, 60 Hertz. (Teledyne Isco 684700104) Note: Includes installation instruction sheet.	1,220.87	25.37
46 82 83 00-3954	EA	5800 Pump heater installation kit - 220 Volt AC, 50 Hertz. (Teledyne Isco 685800060) Note: Includes installation instruction sheet.	1,220.87	25.37
46 82 83 00-3955	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 16 ft (5m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804178) Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.	778.10	16.16
46 82 83 00-3956	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 32.8 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804179) Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.	844.72	17.56
46 82 83 00-3957	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804180) Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.	1,042.47	21.66
46 82 83 00-3958	EA	Discharge Tubing. For GLS, GSS samplers, and 5800/4700 samplers single 20 liter bottle configuration. (Teledyne Isco 602953032)	27.94	0.58
46 82 83 00-3959	EA	5800 Sampler instruction manual (Teledyne Isco 605804051)	123.61	
46 82 83 00-3960	EA	5800 Sampler Pocket Guide (Teledyne Isco 695803085)	24.72	
46 82 83 00-3961	EA	5800 Sampler Quick Reference Card (Teledyne Isco 695803084)	6.18	
46 82 83 00-3962	EA	SPA 921. GLS/3700/6700/Signature Portable Custom Length Connect cable for external 12 Volt DC source via ring terminals. (Teledyne Isco 605304921) Note: Cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in 5/16" terminals for direct connection to external battery. For use with Isco GLS, 3700, 6100, 6700 Series portable samplers and Signature Portable flow meters. Remember to specify the length of this product. Max length is 50 ft. Appropriate for 40 Watt and 110 Watt solar panels. Contact SPA department for details regarding connection to 5800/4700 refrigerated sampler with battery backed input.	189.15	3.93
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3963	EA	SPA 1562. Sampler Interface for 2110/2150, cut to length interface that connects to the top connector of the 2100 series. (Teledyne Isco 605314562) Note: Used when a 2108 is connected to the bottom of the 2100 stack. Maximum length is 1000 ft, minimum length 5 ft. to allow between 6712/3700 sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler order in tandem with part number 60-5314-697.	591.10	12.28
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3964	EA	SPA 1710. 5800/4700 refrigerated sampler output #1 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314710) Note: When the alarm output #1 becomes active, the box provides an unpowered Form C contact alarm. The alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	1,177.88	24.47
46 82 83 00-3965	EA	SPA 1711. 5800/4700 refrigerated sampler output #1 and 2 alarm box. This external box connects to the5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314711) Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	1,373.48	28.54
46 82 83 00-3966	EA	SPA 1712. 5800/4700 refrigerated sampler output #1, 2, and 3 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314712) Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	1,766.81	36.71
46 82 83 00-3967	EA	SPA 1713. 5800/4700 refrigerated sampler output #1, 2, 3, and 4 alarm box. (Teledyne Isco 605314713) Note: This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	2,007.55	41.71
46 82 83 00-3968	EA	SPA 1764. 5800/4700 refrigerator sampler door open alarm. (Teledyne Isco 605314764) Note: This hardware and software modification detects when the door is open. Because the sampler controller checks peripheral inputs every five seconds, it may take up to ten seconds to detect the DOOR OPEN condition and issuing the alarm on the output pin.	408.39	8.48
46 82 83 00-3969	EA	SPA 1772. 5800/4700 refrigerated sampler output #1, 2, 3, 4 and composite bottle full alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. (Teledyne Isco 605314772) Note: Provides liquid level actuator probe for placement into composite sample container with separate alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. This box provides a total of up to 5 alarms. The 5800/4700 refrigerated sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	4,051.66	84.18
46 82 83 00-3970	EA	Complete pressurized line sampling for 5800/4700 refrigerated sampler, 240 Volt AC only. (Teledyne Isco 685304005) Note: Contains pressure reduction valve (60-5314-081), 3-way 240 Volt AC actuated ball valve (60-5314-229), 5800/4700 refrigerated sampler output alarm box for 240 Volt AC 3-way ball valve (60-5314-717) and mounting plate (60-5314-475). Provides a 7.5 foot 240 Volt AC line cord and a 9 foot cable to the sampler's 16 pin external port; the port is duplicated on the output alarm box. Utilizes 1 of 4 output alarms. Not for use with 6700 or 3700 samplers, contact factory for details.	8,202.18	170.42
46 82 83 00-3971	EA	Complete pressurized line sampling for 5800/4700 refrigerated sampler, 120 Volt AC only. (Teledyne Isco 685304006) Note: Contains pressure reduction valve (60-5314-081), 3-way 120 Volt AC actuated ball valve (60-5314-082), 5800/4700 refrigerated sampler I/O alarm box for 120 Volt AC 3-way ball valve (60-5314-716) and mounting plate (60-5314-475).	7,265.04	150.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3972	EA	SPA 1694. 2-bottle Configuration for 5800/4700 sampler. Includes two polypropylene 20-liter (5.5 gallon) rectangular bottles with caps, bottle locating deck, and modified distributor arm assembly. (Teledyne Isco 605314694)	1,091.90	22.69
46 82 83 00-3973	EA	SPA 1733. 8 bottle configuration for 5800/4700 refrigerated sampler. Specify glass or plastic bottles. 1.8 liter glass or 2 liter plastic bottles. Bottles are included. (Teledyne Isco 605314733) Note: If ordered as a kit a software enhancement must be installed.	1,397.11	29.03
46 82 83 00-3974	EA	SPA 1798. Bulkhead fitting, PTFE coated for 5800 sampler. (Teledyne Isco 605314798) Note: This fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 5800, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	371.85	7.73
46 82 83 00-3975	EA	SPA 2019. 5800 Bottle configuration for a quantity of either two or four 2-gallon rectangular plastic bottles, bottles not included. (Teledyne Isco 605324019) Note: Order bottles separately as 299-0013-07 (part number for a single bottle). Provides base, modified distributor arm, two pump tubes, and discharge tube.	915.65	19.02
46 82 83 00-3976	EA	Model 3700 Full Size Portable Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700063) Note: Excludes bottle configuration kit or pump tubing.	6,719.08	139.60
46 82 83 00-3977	EA	Model 3700 Full Size Portable Sampler with Jumbo Base. Includes controller, top cover, center section, base, instruction manual, and pocket guide. (Teledyne Isco 683700075) Note: Excludes bottle configuration kit or pump tubing.	7,024.30	145.94
46 82 83 00-3978	EA	Model 3700C Portable Compact Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700069) Note: Excludes bottle configuration kit or pump tubing.	6,173.13	128.26
46 82 83 00-3979	EA	24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700064)	457.82	9.51
46 82 83 00-3980	EA	24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 glass 350-ml bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700065)	741.54	15.41
46 82 83 00-3981	EA	24 ProPak Configuration Kit for 3700 Full Size Portable Sampler. Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two pump tubes and instruction sheet. (Teledyne Isco 683700066)	1,964.56	40.81
46 82 83 00-3982	EA	Conversion Kit. 4-1 gallon bottle rack, bottles not included, Provides metal mounting rack insert. Order (4) 299-0601-28 for 1 gallon poly bottles or (4) 299-0012-19 and (4) 60-3004-203 for 1 gallon glass bottles. (Teledyne Isco 603704192) Note: For use with standard base (not included).	763.05	15.85
46 82 83 00-3983	EA	Single-bottle Configuration for 3700 Full Size Portable Sampler. Includes one polyethylene 2.5 gallon (10-liter) round bottle with cap, locating insert, float overflow shut-off, and two pump tubes. (Teledyne Isco 683700067)	610.44	12.68
46 82 83 00-3984	EA	Single-bottle ProPak Configuration for 3700 Full Size Portable Sampler. Includes 100 2-gallon (9-liter) ProPak bags, one holder, one O-ring, one cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700068)	784.54	16.31
46 82 83 00-3985	EA	Single-bottle Configuration for 3700 Full Size Portable Sampler with Jumbo Base. Includes one polyethylene 4-gallon round bottle with cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700074)	535.20	11.11
46 82 83 00-3986	EA	24-bottle Configuration for 3700C Compact Sampler. Includes 24 polyethylene 500-ml bottles with caps, bottle carrier, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700070)	393.35	8.17
46 82 83 00-3987	EA	Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5 gallon (10-liter) polyethylene bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700073)	610.44	12.68
46 82 83 00-3988	EA	Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5-gallon (9.5-liter) glass bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700071)	610.44	12.68
46 82 83 00-3989	EA	Single ProPak Configuration for 3700C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, float shut-off, and two pump tubes. (Teledyne Isco 683700072)	773.80	16.07
46 82 83 00-3990	EA	3700 base with 24 wedge shaped 1 liter polypropylene bottles and caps. Includes retaining ring. (Teledyne Isco 603704033)	1,091.90	22.69
46 82 83 00-3991	EA	3700 base with 24 round 350 ml glass bottles and PTFE lined caps. Includes retaining ring. (Teledyne Isco 603704031)	1,407.87	29.25
46 82 83 00-3992	EA	4-gallon (15-liter) round polyethylene bottle with cap. (Teledyne Isco 299001305) Note: For single bottle sampling.	229.99	4.78
46 82 83 00-3993	EA	Conversion kit to adapt center section for single container sampling. Includes pump tubing and float shutoff. (Teledyne Isco 603704045) Note: Single container sampling with a 2.5 gallon glass or Nalgene bottle in a standard base requires bottle locating insert 60-3703-062.	283.72	5.89
46 82 83 00-3994	EA	Locating insert for 2.5 gallon single bottle sampling in standard base. (Teledyne Isco 603703062) Note: Positions single container for proper sample routing. Used with the 2700 and 3700 portable, full size sampler.	169.80	3.53
46 82 83 00-3995	EA	Bottle carrier with 24 wedge shaped 500 ml polyethylene bottles and caps (Teledyne Isco 683700030)	371.85	7.73
46 82 83 00-3996	EA	Distributor arm for 3700C (Teledyne Isco 603704135)	171.95	3.58
46 82 83 00-3997	EA	Model 3710 Full Size Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710015) Note: Excludes bottle configuration kit or pump tubing.	5,345.60	111.07
46 82 83 00-3998	EA	Model 3710C Compact Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710021) Note: Excludes bottle configuration kit or pump tubing.	4,756.66	98.83
46 82 83 00-3999	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710018)	610.44	12.68
46 82 83 00-4000	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710017)	610.44	12.68
46 82 83 00-4001	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 4-gallon round bottle with cap and two pump tubes. (Teledyne Isco 683710016)	393.35	8.17
46 82 83 00-4002	EA	Single ProPak Configuration for 3710 Full Size Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, locating insert and two pump tubes. (Teledyne Isco 683710019)	784.54	16.31
46 82 83 00-4003	EA	Single-bottle Configuration for 3710C Compact Portable Sampler. Includes on polyethylene 2.5-gallon (10-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710022)	610.44	12.68
46 82 83 00-4004	EA	Single-bottle Configuration for 3710C Compact Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710020)	610.44	12.68
46 82 83 00-4005	EA	Single ProPak Configuration for 3710C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, and two pump tubes. (Teledyne Isco 683710023)	784.54	16.31
46 82 83 00-4006	EA	3710 Full-size base assembly. (Teledyne Isco 603714012)	784.54	16.31
46 82 83 00-4007	EA	1/4 inch stainless steel strainer, low flow. (Teledyne Isco 692903139)	131.12	2.72
46 82 83 00-4008	EA	1/4 inch ID vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680055)	128.96	2.68
46 82 83 00-4009	EA	1/4 inch ID vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680056)	567.45	11.79
46 82 83 00-4010	EA	1/4 inch ID vinyl suction line - 1,000 ft. Includes two tubing couplers. (Teledyne Isco 681680057)	915.65	19.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4011	EA	Tubing coupler, 1/4 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709001) Note: For 1/4 inch vinyl tubing.	45.14	0.93
46 82 83 00-4012	EA	1/4 inch ID vinyl suction line with low stainless steel strainer, 25 ft. length. Includes tubing coupler. (Teledyne Isco 603704068)	229.99	4.78
46 82 83 00-4013	EA	Silicone rubber pump tubing for Model 3700 Sampler (24 and 12 bottle sampling only), and all bottle configurations for Model 3700C Sampler. (Teledyne Isco 603704026) Note: 3700FR samplers modified for four 10-liter bottles (SPA 60-5314-012) use this pump tube, however customer must cut 1-7/8 inch from the tube for a finished length of 40-1/8 inches. Quantity 1.	68.77	1.42
46 82 83 00-4014	EA	Silicone pump tubing. For Model 3700 Full-size Sampler (24 and 12 bottle sampling only). Quantity 10. (Teledyne Isco 603700038)	687.81	14.28
46 82 83 00-4015	EA	Silicone pump tubing for Model 3700 Full-size (4 bottle sampling only) and 3700C (24 and 12 bottle sampling only) portable samplers, and 3710FR Refrigerated samplers. Quantity 1. (Teledyne Isco 603714019)	64.48	1.34
46 82 83 00-4016	EA	Silicone pump tubing for Model 3700 Full-size and 3700C single bottle sampling. Quantity 1. (Teledyne Isco 603704046)	68.77	1.42
46 82 83 00-4017	EA	Silicone pump tubing; for the Model 3710 Full-size Sampler. Quantity 1. (Teledyne Isco 603714009)	55.88	1.16
46 82 83 00-4018	EA	Silicone pump tubing for the Model 3710C Compact Sampler. Quantity 1. (Teledyne Isco 603714038)	53.74	1.12
46 82 83 00-4019	EA	1-Piece Interrogator Cable, 10 ft. (3m). (Teledyne Isco 602544044) Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with 9-pin serial data connector.	195.60	4.06
46 82 83 00-4020	EA	1-Piece Interrogator Cable, 10 ft., connects computer to sampler or flow meter. (Teledyne Isco 602544040) Note: For computer with 25-pin connector.	193.45	4.02
46 82 83 00-4021	EA	SPA 849. Nine-pin Serial Interrogator Cable for Sampler Models 6712/Avalanche/3700, built to length. (Teledyne Isco 605304849) Note: Used in applications where interrogation of the instrument is at distances greater than 10 ft., but not exceeding 200 ft.	335.31	6.97
		For Each LF Of Extension Cable, Add	*3.03*	
46 82 83 00-4022	EA	1,000 mL graduated cylinder. For precise calibration of sample volume. (Teledyne Isco 299002000)	126.82	2.63
46 82 83 00-4023	EA	Locking harness for 3710 full-size sampler. (Teledyne Isco 683700056)	212.79	4.42
46 82 83 00-4024	EA	Locking harness for 3700C and 3710C compact samplers. (Teledyne Isco 686700111)	240.74	5.00
46 82 83 00-4025	EA	Locating deck for 2-1/2 gallon bottle. For 3710 Full-size sampler. (Teledyne Isco 603713013)	109.63	2.28
46 82 83 00-4026	EA	Connect cable for external 12 Volt DC source. (Teledyne Isco 601394023) Note: Six ft. cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6100, 6700 Series portable samplers; 4200 Series flow meters, and 150 Portable Peristaltic Pump.	167.66	3.48
46 82 83 00-4027	EA	Isco sampler to flow meter connect cable, 25 ft. (7.6 m). (Teledyne Isco 603004107)	272.98	5.67
46 82 83 00-4028	EA	Consecutive operation (Master/Slave) cable. (Teledyne Isco 603704065) Note: Connects two Isco samplers to operate in successive order.	240.74	5.00
46 82 83 00-4029	EA	Consecutive operation (Master/Slave) 'Y' connect cable. (Teledyne Isco 603704080) Note: Connects two Isco samplers to operate in successive order and allows connection of Isco open channel flow meter for sample pacing and event logging.	320.26	6.65
46 82 83 00-4030	EA	Isco flow meter to Isco sampler 'Y' connect cable. (Teledyne Isco 603704081) Note: Allows a single Isco open channel flow meter, logger, or transmitter to flow pace two Isco samplers. Each leg of the Y-cable is 1 ft. long and connects to two Isco sampler to flow meter connect cables (60-3004-107, not included). Not for use with the Type E Interface (60-1784-024); use alternate 'Y' connect cable 60-5304-391.	371.85	7.73
46 82 83 00-4031	EA	Sampler to Isco flow meter and actuator cable. (Teledyne Isco 603004019) Note: Allows connection of Isco sampler and Isco flow meter and has additional connection for external sample initiation. Each leg of the Y-cable is 1 ft. long and connects to an Isco sampler for flow meter connect cable (60-3004-107, not included) and the Model 1640 LLA (60-1644-000, not included).	386.89	8.04
46 82 83 00-4032	EA	Non-Isco flow meter connector. Connector Only. (Teledyne Isco 681680060) Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate.	83.82	1.75
46 82 83 00-4033	EA	Non-Isco flow meter connect cable. (Teledyne Isco 601394077) Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate. Includes the connector with 22 ft. (6.7 m) of cable terminating in two wires.	137.57	2.85
46 82 83 00-4034	EA	4-20 mA input interface for 3700 Series Samplers. (Teledyne Isco 603704037) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal for Isco samplers. Connects directly to the sampler's flow meter connector.	399.79	8.30
46 82 83 00-4035	EA	Sampler controller for 3700 and 3700C Samplers. Includes instruction manual, pocket guide, and pump tubing. (Teledyne Isco 683700004)	4,909.28	102.00
46 82 83 00-4036	EA	3700 Sampler instruction manual (Teledyne Isco 603704101)	119.49	
46 82 83 00-4037	EA	3700 Sampler Pocket Guide (Teledyne Isco 603703149)	24.72	
46 82 83 00-4038	EA	Sampler controller for 3710 Sampler. Includes instruction manual and pump tubing. (Teledyne Isco 683710004)	4,101.09	85.21
46 82 83 00-4039	EA	3710 Sampler instruction manual (Teledyne Isco 603714041)	119.49	
46 82 83 00-4040	EA	3710 Sampler Pocket Guide (Teledyne Isco 603713036)	26.78	
46 82 83 00-4041	EA	SPA 648. Modification to 3700 series sampler for single alarm upon program complete or various run errors. (Teledyne Isco 605304648) Note: This modification allows for an alarm on the following conditions: program done, no liquid detected, distributor/pump jammed, etc. This is a combination alarm that will be activated for any of the above conditions. It will be necessary to view the display status to ascertain the exact nature of the alarm.	784.54	16.31
46 82 83 00-4042	EA	SPA 762. Ultra Low Flow 1/4-inch Stainless Steel Strainer. This strainer is equipped with a single 1/4-inch hole located on the bottom. A 2-inch wide flat plate secures the hole toward the bottom. Dimensions are 3-inches long, 2-inches wide due to flat plate and 1/2-inch high. (Teledyne Isco 605304762)	315.96	6.56
46 82 83 00-4043	EA	SPA 1079. Norprene Pump Tube for the 3700/3710 samplers. (Teledyne Isco 605314079) Note: Norprene is a black, heavy-duty pump tubing for sampling applications with strong acids or base. It is also useful where premature pump tube failures are occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.	960.79	19.96
46 82 83 00-4044	EA	SPA 1836. 12-1 liter glass bottle configuration. Includes base, bottles with PTFE lined lids, bottle retaining ring, distributor arm and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314836)	1,442.26	29.96
46 82 83 00-4045	EA	SPA 1852. 12-1 liter plastic bottles, base and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314852)	1,405.72	29.21
46 82 83 00-4046	EA	SPA 977. Modify 3700 series samplers for dual alarm output. Similar to SPA 648 but has two independent alarms, one for program errors and one for program done. Form C alarm contacts accessible via a 10 foot Y cable that is included. (Teledyne Isco 605304977)	1,044.62	21.70
46 82 83 00-4047	EA	SPA 2016. SST strainer 1/4-inch. Similar to SPA 1552 but for 1/4-inch suction line. (Teledyne Isco 605324016) Note: This will affect line velocity if employed with 6712 or 5800/4700 samplers.	371.85	7.73
46 82 83 00-4048	EA	GLS Sampler with 2.5 gallon (10 liter) polypropylene bottle. (Teledyne Isco 682950001)	4,778.15	99.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4049	EA	GLS Sampler with 2.5 gallon (9.5 liter) glass bottle. (Teledyne Isco 682950002)	4,778.15	99.28
46 82 83 00-4050	EA	GLS Sampler with 1 gallon (3.75 liter) polypropylene bottle. (Teledyne Isco 682950003)	4,778.15	99.28
46 82 83 00-4051	EA	GLS Sampler with one composite ProPak holder, 100 2-gallon (9-liter) ProPak bags, and O-ring. (Teledyne Isco 682950005)	5,040.38	104.73
46 82 83 00-4052	EA	GLS Sampler Top Cover (Teledyne Isco 602954018)	268.68	5.59
46 82 83 00-4053	EA	GLS Sampler Suspension Harness (Teledyne Isco 602954033)	70.93	1.47
46 82 83 00-4054	EA	GLS Sampler Replacement Controller (Teledyne Isco 602954001) Note: Excludes instruction manual or pump tubing.	3,206.94	66.64
46 82 83 00-4055	EA	1 gallon round polypropylene bottle with cap (Teledyne Isco 299060128)	40.84	0.85
46 82 83 00-4056	EA	GLS, GSS, and Glacier sampler update cable. (Teledyne Isco 602954021)	333.17	6.92
46 82 83 00-4057	EA	GLS Sampler Pump Tube. Quantity 1. (Teledyne Isco 602954030)	36.54	0.76
46 82 83 00-4058	EA	GLS Sampler instruction manual (Teledyne Isco 602954058)	117.43	
46 82 83 00-4059	EA	GLS Sampler Pocket Guide (Teledyne Isco 692953030)	26.78	
46 82 83 00-4060	EA	GLS Sampler Quick Reference Card (Teledyne Isco 692953033)	6.18	
46 82 83 00-4061	EA	Avalanche Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with attached North American AC power cord. (Teledyne Isco 682970003) Note: Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	12,221.59	253.93
46 82 83 00-4062	EA	Avalanche Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with attached AC power cord and European plug adapter. (Teledyne Isco 682970005) Note: Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	12,221.59	253.93
46 82 83 00-4063	EA	Avalanche 14-bottle configuration. Includes 14 polypropylene 950-ml bottles with caps, two discharge tubes, bottle carrier and adapter. (Teledyne Isco 682970001)	825.38	17.15
46 82 83 00-4064	EA	Avalanche 4-bottle configuration. Includes 4 polypropylene 5-liter bottles with caps, two discharge tubes and adapter. (Teledyne Isco 682970002)	238.59	4.96
46 82 83 00-4065	EA	Avalanche 2.5 gal (10 liter) glass bottle with PTFE lined caps. Includes two discharge tubes and adapter. (Teledyne Isco 682970006)	401.94	8.35
46 82 83 00-4066	EA	Avalanche 2.5 gal (10 liter) Nalgene bottle configuration. Includes two discharge tubes and adapter. (Teledyne Isco 682970009)	401.94	8.35
46 82 83 00-4067	EA	Avalanche 5.3 gal (20 liter) lightweight polyethylene bottle with caps. Includes two discharge tubes. (Teledyne Isco 682970008)	152.61	3.17
46 82 83 00-4068	EA	Glacier/Avalanche Mobility Kit. Includes frame with lifting handles, pneumatic tires, battery shelf, and pull handle. (Teledyne Isco 682960004)	1,160.68	24.11
46 82 83 00-4069	EA	Avalanche Distributor Arm (Teledyne Isco 602974025)	128.96	2.68
46 82 83 00-4070	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 14. (Teledyne Isco 682970012)	227.84	4.73
46 82 83 00-4071	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 100. (Teledyne Isco 682970013)	1,779.71	36.97
46 82 83 00-4072	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 500. (Teledyne Isco 682970015)	7,121.02	147.96
46 82 83 00-4073	EA	5.3 gallon (20 liter) lightweight polyethylene bottle with two caps - quantity 1. (Teledyne Isco 682960014)	70.93	1.47
46 82 83 00-4074	EA	Avalanche controller, includes pump tube. (Teledyne Isco 602974005)	6,317.14	131.25
46 82 83 00-4075	EA	Avalanche locking assembly. (Teledyne Isco 682970014)	238.59	4.96
46 82 83 00-4076	EA	Connect cable for external 12 Volt DC source (Teledyne Isco 602964021) Note: For powering Avalanche or Glacier Portable Refrigerated Sampler only from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips.	206.34	4.29
46 82 83 00-4077	EA	Power cable for powering Avalanche or Glacier Portable Refrigerated Sampler through a vehicle cigarette lighter. (Teledyne Isco 480019900) Note: Comes with 6 ft. (1.8 m) of cable.	204.19	4.24
46 82 83 00-4078	EA	Avalanche Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC). (Teledyne Isco 602974003)	8,814.76	183.15
46 82 83 00-4079	EA	Avalanche Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with European power plug. (Teledyne Isco 622970001)	8,726.64	181.32
46 82 83 00-4080	EA	Discharge tube for 14 bottle and 4 bottle configurations (13 inches). (Teledyne Isco 602973054)	30.09	0.63
46 82 83 00-4081	EA	Discharge tube for 2.5 gallon glass, Nalgene, and ProPak bottle (11-1/4 inches). (Teledyne Isco 602963033)	30.09	0.63
46 82 83 00-4082	EA	Avalanche Sampler instruction manual (Teledyne Isco 602974024)	127.73	
46 82 83 00-4083	EA	Avalanche Sampler Pocket Guide (Teledyne Isco 692973046)	26.78	
46 82 83 00-4084	EA	SPA 1501. Avalanche 12-bottle configuration. Includes 12 glass 350-ml bottles with PTFE lined caps, one discharge tube, distributor arm, bottle carrier, and adapter. (Teledyne Isco 605314501)	1,702.34	35.37
46 82 83 00-4085	EA	SPA 1511. Avalanche 4-bottle configuration. Includes 4 glass 1.8-liter bottles with PTFE lined caps, distributor arm, one discharge tube, adapter shelf, and bottle ring. (Teledyne Isco 605314511) Note: Requires controller software version 2.10.0001.	861.91	17.91
46 82 83 00-4086	EA	SPA 1842. Bulkhead fitting for Avalanche sampler, made of PEEK. (Teledyne Isco 605314842) Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Avalanche samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	393.35	8.17
46 82 83 00-4087	EA	Glacier Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with North American AC power plug. (Teledyne Isco 682960001) Note: Includes instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	9,053.34	188.11
46 82 83 00-4088	EA	Glacier Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with European AC power plug. (Teledyne Isco 682960010) Note: Includes instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	9,042.60	187.87
46 82 83 00-4089	EA	Glacier 2.5 gal (10-liter) Polyethylene Nalgene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960005)	358.95	7.46
46 82 83 00-4090	EA	2.5 (10-liter) Glass bottle with PTFE lined caps. Includes PTFE-lined cap for sampling and PTFE-lined cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960006)	358.95	7.46
46 82 83 00-4091	EA	Glacier 2.5 gal (10-liter) lightweight polyethylene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (wide), and two discharge tubes. (Teledyne Isco 682960007)	83.82	1.75
46 82 83 00-4092	EA	5.3 gallon (20 liter) lightweight polyethylene bottle with caps. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960008)	148.31	3.08
46 82 83 00-4093	EA	2-gallon (9 liter) ProPak single use liner with composite holder, O-ring, and 100 liners. Includes two discharge tubes and bottle retainer (narrow). (Teledyne Isco 682960009)	554.55	11.52
46 82 83 00-4094	EA	Glacier controller, includes pump tube. (Teledyne Isco 602964004)	3,907.64	81.19
46 82 83 00-4095	EA	Glacier locking assembly. (Teledyne Isco 682960011)	212.79	4.42
46 82 83 00-4096	EA	Glacier Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with North American power plug. (Teledyne Isco 602964003)	6,469.75	134.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4097	EA	Glacier Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with European power plug. (Teledyne Isco 682960012)	6,405.26	133.08
46 82 83 00-4098	EA	Discharge tube for 2-1/2 gallon rectangular and 5 gallon rectangular light polyethylene bottle (5-1/4 inches long). (Teledyne Isco 602963034)	30.09	0.63
46 82 83 00-4099	EA	Silicone rubber pump tubing, for Glacier Sampler. Quantity 1. (Teledyne Isco 602964013)	45.14	0.93
46 82 83 00-4100	EA	Glacier Sampler instruction manual (Teledyne Isco 602964032)	119.49	
46 82 83 00-4101	EA	Glacier Sampler Pocket Guide (Teledyne Isco 692963018)	26.78	
46 82 83 00-4102	EA	SPA 1523. PTFE Sleeve for Glacier Temperature Sensor. (Teledyne Isco 605314523) Note: Provides a measure of protection for customers concerned about cross contamination between sample events.	214.94	4.47
46 82 83 00-4103	EA	SPA 1637.Bulkhead fitting for Glacier sampler, made of PEEK. (Teledyne Isco 605314637) Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Glacier samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	429.88	8.93
46 82 83 00-4104	EA	3700ZR Sampler (UL Rated Class I Div 1) with 1 Glass 2.5 Gallon Bottle. (Teledyne Isco 683740038)	75,229.62	1,563.06
46 82 83 00-4105	EA	3700ZR Sampler (UL Rated Class I Div 1) with 1 Plastic 2.5 Gallon Bottle. (Teledyne Isco 683740037)	75,229.62	1,563.06
46 82 83 00-4106	EA	3700ZR Sampler (UL Rated Class I Div 1) with 2 glass 2.5 Gallon bottles. (Teledyne Isco 683740036)	75,229.62	1,563.06
46 82 83 00-4107	EA	3700ZR Sampler (UL Rated Class I Div 1) with 2 Plastic 2 Gallon Bottles. (Teledyne Isco 683740035)	75,229.62	1,563.06
46 82 83 00-4108	EA	ProPak kit. Includes 25 holders with caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700085)	1,908.69	39.65
46 82 83 00-4109	EA	ProPak kit. Includes 25 Holders with PTFE lined caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700086)	2,246.14	46.66
46 82 83 00-4110	EA	24 ProPak holders with PTFE lined caps (Teledyne Isco 686700088)	535.20	11.11
46 82 83 00-4111	EA	100 ProPak holders with caps (Teledyne Isco 686700089)	1,023.88	21.27
46 82 83 00-4112	EA	200 ProPak holders with caps (Teledyne Isco 686700090)	2,639.48	54.84
46 82 83 00-4113	EA	500 ProPak holders with caps (Teledyne Isco 686700091)	5,956.04	123.75
46 82 83 00-4114	EA	200 ProPak caps with foam liner (Teledyne Isco 606700092)	191.29	3.97
46 82 83 00-4115	EA	500 ProPak caps with foam liner (Teledyne Isco 606700093)	490.07	10.18
46 82 83 00-4116	EA	200 ProPak caps with PTFE liners (Teledyne Isco 606700094)	752.30	15.64
46 82 83 00-4117	EA	500 ProPak caps with PTFE liners (Teledyne Isco 606700095)	1,827.00	37.96
46 82 83 00-4118	EA	ProPak disposable bags, 1-liter polyethylene - quantity 5,000. (Teledyne Isco 686700097)	5,455.22	113.34
46 82 83 00-4119	EA	ProPak disposable bags, 1-liter polyethylene - quantity 10,000. (Teledyne Isco 686700098)	8,726.64	181.32
46 82 83 00-4120	EA	Instruction sheet ProPak sample bags (Teledyne Isco 609003494)	2.06	
46 82 83 00-4121	EA	ProPak Holder and cap (Teledyne Isco 686700104)	23.65	0.49
46 82 83 00-4122	EA	SPA 1530. Custom ProHanger for up to 36" inch maximum manhole, custom built, state desired 6" span when ordering (Teledyne Isco 605314530)	1,919.43	39.88
46 82 83 00-4123	EA	581 Rapid Transfer Device (RTD). (Teledyne Isco 686700056) Note: Includes instruction manual, and power/data transfer cable to connect and power 581 RTD during data transfer to a PC. Power/data transfer cable powered by 120 Volt AC. Requires Flowlink software.	1,549.72	32.20
46 82 83 00-4124	EA	581 Rapid Transfer Device only. Without power/data transfer cable. Includes instruction manual. (Teledyne Isco 609004027)	1,298.25	26.97
46 82 83 00-4125	EA	SPA 1639. Power/data transfer cable only. (Teledyne Isco 605314639) Note: To connect and power a 581 RTD during data transfer to a PC with a USB port. Powered by 120 VAC.	666.32	13.85
46 82 83 00-4126	EA	Power/data transfer cable only. (Teledyne Isco 609004077) Note: To connect and power 581 RTD during data transfer to a PC with a DB-9 pin serial port. Powered by 120 VAC.	348.21	7.23
46 82 83 00-4127	EA	Silicone rubber pump tubing, for 24 or 8 bottle sampling applications. Quantity 1. (Teledyne Isco 603704043)	83.82	1.75
46 82 83 00-4128	EA	Silicone rubber pump tubing, for 2 bottle sampling applications. Quantity 1. (Teledyne Isco 603704053)	75.23	1.56
46 82 83 00-4129	EA	Silicone rubber pump tubing for single bottle sampling in Model 3700R or 3710R. Quantity 1. (Teledyne Isco 603714018)	66.63	1.38
46 82 83 00-4130	EA	Silicone rubber pump tubing, for 24 or 8 bottle sampling. Quantity 1. (Teledyne Isco 603704044)	85.98	1.79
46 82 83 00-4131	EA	Silicone rubber pump tubing, for 2 bottle sampling. Quantity 1. (Teledyne Isco 603704056)	75.23	1.56
46 82 83 00-4132	EA	Desiccant, 4 ounce Tyvek bag. Used in GLS, Glacier, 3700 Series samplers (two large internal bags); 4100 Series Flow Loggers; 201 and 270 parameter modules; AccQcomm modules and ADFM Pro-20 Canisters. (Teledyne Isco 99000208)	17.19	
46 82 83 00-4133	EA	Desiccant, large filled plastic cartridge. Used on 4230 reference air line. (Teledyne Isco 609004282)	135.42	2.81
46 82 83 00-4134	EA	Desiccant, bulk 16 ounce bottle of loose yellow silica gel beads (2 to 5 mm). (Teledyne Isco 602004233) Note: Used in 2100 Series module desiccant tubes, 4200 Series flow meters, and ADFM secondary depth sensors.	103.17	2.14
46 82 83 00-4135	LF	SPA 580. Cut to length 1/4" ID vinyl suction line. (Teledyne Isco 605304580) Note: Not for use with 6700/6712 or 5800/4700 samplers. 200' maximum length.	1.93	0.04
46 82 83 00-4136	EA	SPA 1835. Old style 3/8 inch stainless steel strainer. Single piece stainless steel strainer. 7 inches long, 3/4 inches in diameter. (Teledyne Isco 605314835)	371.85	7.73
46 82 83 00-4137	EA	Signature® Ultrasonic flow meter system. Starting price includes base meter 624300005, TIENet 310 ultrasonic level sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684310000) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	6,770.67	140.68
46 82 83 00-4138	EA	Wall mount bracket for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602003615)	70.93	1.47
46 82 83 00-4139	EA	Floor mount hardware for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602004611)	993.04	20.63
46 82 83 00-4140	EA	Ultrasonic sensor cable straightener. Recommended when suspending sensor over the flow stream. (Teledyne Isco 604313009) Note: Attaches to sensor to straighten the cable.	124.67	2.59
46 82 83 00-4141	EA	Horizontal sensor mount bracket for TIENet 310 Ultrasonic level. (Teledyne Isco 604368020)	169.80	3.53
46 82 83 00-4142	EA	Ultrasonic sensor sunshade. Shades ultrasonic sensor from direct sunlight in outdoor applications. (Teledyne Isco 603004142)	152.61	3.17
46 82 83 00-4143	EA	Ultrasonic calibration target. Includes target, six 2-1/2 ft. pole sections, and instructions. (Teledyne Isco 603004143) Note: Allows calibration of ultrasonic level measurement without entering the manhole.	1,386.37	28.80
46 82 83 00-4144	EA	Ultrasonic sensor cable clamp. (Teledyne Isco 603004129) Note: For hanging sensor from spreader bar 603004110 or other horizontal pipe no greater than 1-1/8 inch O.D.	197.75	4.10
46 82 83 00-4145	EA	Battery backup kit for Signature® meter. Includes model 946 lead-acid battery, adapter cable, and mounting hardware. (Teledyne Isco 604307015)	513.71	10.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4146	EA	Power cord, 8 foot (2.5 m) long, for North America. Includes cord grip fitting (604304022). (Teledyne Isco 604304044)	53.74	1.12
46 82 83 00-4147	EA	Power cord, 8 foot (2.5 m) long, for Europe. Includes cord grip fitting (604307022). (Teledyne Isco 604304045)	53.74	1.12
46 82 83 00-4148	EA	Power cord, 8 foot (2.5 m) long, for China. Includes cord grip fitting (604307022). (Teledyne Isco 604304046)	53.74	1.12
46 82 83 00-4149	EA	Power cord, 8 foot (2.5 m) long, for United Kingdom. Includes cord grip fitting (604307022). (Teledyne Isco 604304047)	53.74	1.12
46 82 83 00-4150	EA	Power cord, 8 foot (2.5 m) long, for Australia. Includes cord grip fitting (604307022). (Teledyne Isco 604304048)	53.74	1.12
46 82 83 00-4151	EA	Power cord, 8 foot (2.5 m) long, for Argentina. Includes cord grip fitting (604307022). (Teledyne Isco 604304049)	53.74	1.12
46 82 83 00-4152	EA	TIENet® 304 contact output option card, two isolated independent Form C relay circuits. (Teledyne Isco 604304069)	565.30	11.74
46 82 83 00-4153	EA	TIENet® 307 analog 4-20 mA input option card, two isolated independent channels. (Teledyne Isco 604304054)	900.61	18.71
46 82 83 00-4154	EA	TIENet® 308 analog 4-20 mA output option card, two independent channels. (Teledyne Isco 604304006)	694.26	14.43
46 82 83 00-4155	EA	TIENet® 306 sampler interface cable with 32 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304007) Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.	868.37	18.04
46 82 83 00-4156	EA	TIENet® 306 sampler interface cable with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304008) Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.	1,063.97	22.11
46 82 83 00-4157	EA	TIENet® 306 Sampler Interface with cut-to-length cable. (Teledyne Isco 604304088) Note: Interface cable is unterminated. Supports flow pacing and sampler enabling.	859.76	17.86
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4158	EA	TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307018)	2,540.61	52.79
46 82 83 00-4159	EA	TIENet ® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307019)	2,736.21	56.85
46 82 83 00-4160	EA	TIENet ® 301 pH and temperature sensor interface and cut-to-length cable with unterminated end. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604307025)	2,540.61	52.79
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4161	EA	pH probe carrier to attach probe to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603208001)	227.84	4.73
46 82 83 00-4162	EA	CDMA cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307074) Note: Serial-Over-Internet-protocol (SOIP) technology eliminates need for computer telephone modems. Requires Verizon service. Contact the factory for details regarding Verizon service requirements.	1,925.88	40.02
46 82 83 00-4163	EA	GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307075) Note: Contact the factory for details regarding GSM service requirements. Region A	1,925.88	40.02
46 82 83 00-4164	EA	GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307090) Note: Contact the factory for details regarding GSM service requirements. Region B	1,925.88	40.02
46 82 83 00-4165	EA	Ethernet communication module. (Teledyne Isco 604307016) Note: Provides RJ45 connection to support Ethernet communications.	326.71	6.79
46 82 83 00-4166	EA	Internal seven digit mechanical totalizer. (Teledyne Isco 604304015) Note: Non-resettable totalizer reads cumulative total flow. Factory installation recommended.	249.33	5.18
46 82 83 00-4167	EA	Rain Gauge Receptacle connection only with 0.305 m (1 ft) cable. Includes three-hold cord grip fitting. (Teledyne Isco 604304055) Note: Order rain gauge separately. This receptacle allows quick connection to a Teledyne Isco standard rain gauge plug.	227.84	4.73
46 82 83 00-4168	EA	Kit Cord Grip with pigtail strain relief for cable diameters from 0.250 to 0.485 inches (6.35 to 12.3 mm). (Teledyne Isco 604307022) Note: For Signature® line cords and user-supplied cables within this diameter range.	21.49	0.45
46 82 83 00-4169	LF	TIENet® bulk cable, cut to length, 999 ft (304 m) maximum. (Teledyne Isco 604304050) Note: Specify total length in feet. Price = per foot price x cable length.	4.51	0.09
46 82 83 00-4170	EA	TIENet® Network Expansion Box, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. (Teledyne Isco 604307023) Note: Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The expansion box includes two plugs for unused ports.	760.90	15.81
46 82 83 00-4171	EA	TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314005) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,149.42	44.66
46 82 83 00-4172	EA	TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314006) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,332.12	48.45
46 82 83 00-4173	EA	TIENet® 310 Ultrasonic Level sensor with cut to length cable and unterminated cable end. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604314014) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,149.42	44.66
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4174	EA	Magnetic mount dual band antenna for CDMA and GSM cellular modems. (Teledyne Isco 602004550)	408.39	8.48
46 82 83 00-4175	EA	TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. (Teledyne Isco 604304018) Note: Excludes pH sensor, buffers, and solutions.	1,704.49	35.42
46 82 83 00-4176	EA	TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. (Teledyne Isco 604304019) Note: Excludes pH sensor, buffers, and solutions.	1,900.09	39.48
46 82 83 00-4177	EA	TIENet® 301 pH and temperature sensor interface with 5 m (16.4 ft) long cable. (Teledyne Isco 604304051) Note: Excludes pH sensor, buffers, and solutions.	1,640.01	34.08
46 82 83 00-4178	EA	pH sensor calibration buffer, pH 4.0. (Teledyne Isco 479000104)	14.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4179	EA	pH sensor calibration buffer, pH 7.0. (Teledyne Isco 479000107)	14.42	
46 82 83 00-4180	EA	pH sensor calibration buffer, pH 10.0. (Teledyne Isco 479000110)	14.42	
46 82 83 00-4181	EA	pH sensor electrode rinse solution. (Teledyne Isco 479001000)	14.42	
46 82 83 00-4182	EA	USB cable, 6.5 feet (2 m). USB A to USB Micro-B for computer connection to Signature® meter. (Teledyne Isco 480294601)	55.88	1.16
46 82 83 00-4183	EA	USB cable, 3 inch (75 mm). USB micro-A to USB A for USB flash drive connection to Signature® meter. (Teledyne Isco 480294602)	55.88	1.16
46 82 83 00-4184	EA	TIENet® Receptacle, standard 1 ft (0.305 m) length. (Teledyne Isco 604304056) Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.	214.94	4.47
46 82 83 00-4185	EA	TIENet® Receptacle, cut-to-length. (Teledyne Isco 604304068) Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.	225.69	4.69
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4186	EA	12 Volt DC, 1' power cord with cord grip fitting (Teledyne Isco 604304086) Note: Includes connector for use with Teledyne Isco battery and power packs.	229.99	4.78
46 82 83 00-4187	EA	Signature® Base Meter. (Teledyne Isco 624300005) Note: Excludes a flow technology and configured options which must be ordered separately when not ordered as a system.	4,621.26	96.02
46 82 83 00-4188	EA	Signature® Bubbler flow meter system. 624330003 base meter with internal bubbler, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684330000) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	7,952.85	165.24
46 82 83 00-4189	EA	TIENet® 330 Bubbler Module (Teledyne Isco 604334003)	2,901.72	60.29
46 82 83 00-4190	EA	Stainless Steel Bubble Tube. (Teledyne Isco 601704018) Note: For use with 1/16 inch ID PTFE bubble line.	96.72	2.01
46 82 83 00-4191	EA	1/8 inch x 50 ft. vinyl bubble line. (Teledyne Isco 601873044)	77.37	1.61
46 82 83 00-4192	EA	1/16 inch x 25 ft. PTFE bubble line. (Teledyne Isco 601873051)	135.42	2.81
46 82 83 00-4193	EA	Reference port tubing kit. (Teledyne Isco 604307017) Note: Includes tubing and adapters to relocate the atmospheric pressure reference port.	113.92	2.37
46 82 83 00-4194	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354013) Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.	3,761.49	78.15
46 82 83 00-4195	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354014) Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.	3,944.18	81.95
46 82 83 00-4196	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with cut-to-length cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604354026) Note: The Signature meter must have a desiccator installed for proper operation. Order 60-4304-092 if needed.	3,761.49	78.15
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4197	EA	TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). (Teledyne Isco 604357018) Note: The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.	825.38	17.15
46 82 83 00-4198	EA	Dessicator for Signature Flow Meter (Teledyne Isco 604304092)	238.59	4.96
46 82 83 00-4199	EA	6 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234031)	1,216.57	25.28
46 82 83 00-4200	EA	8 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234032)	1,216.57	25.28
46 82 83 00-4201	EA	10 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234033)	1,216.57	25.28
46 82 83 00-4202	EA	12 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234034)	1,216.57	25.28
46 82 83 00-4203	EA	Signature® Base Meter With Desiccant Cartridge. (Teledyne Isco 624330003) Note: Excludes internal bubbler level sensor assembly, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.	5,051.14	104.95
46 82 83 00-4204	EA	Signature® Area Velocity flow meter system with base meter 624300005, TIENet 350 area velocity sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684350000) Note: includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	8,597.67	178.64
46 82 83 00-4205	EA	Signature® Base Meter. Base meter includes desiccant cartridge. (Teledyne Isco 624350013) Note: Excludes flow technology and configured options which must be ordered separately when not ordered as a system.	4,836.19	100.48
46 82 83 00-4206	EA	Signature® LaserFlow system with base meter 624350013, TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360060) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	24,825.78	515.81
46 82 83 00-4207	EA	Permanent wall mount for TIENet® 360 LaserFlow™ sensor. (Teledyne Isco 604364003)	1,276.75	26.53
46 82 83 00-4208	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 48 - 55 in (122 - 140 cm) (Teledyne Isco 624360032)	1,461.60	30.37
46 82 83 00-4209	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 54 - 66 in (137 - 167 cm) (Teledyne Isco 624360034)	1,461.60	30.37
46 82 83 00-4210	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 63 - 84 in (160 - 213 cm) (Teledyne Isco 624360035)	1,461.60	30.37
46 82 83 00-4211	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 83 - 114 in (211 - 289 cm) (Teledyne Isco 624360036)	1,461.60	30.37
46 82 83 00-4212	EA	Sensor Retrieval Tool (Teledyne Isco 604364033)	436.32	9.06
46 82 83 00-4213	EA	TIENet® 350 Area Velocity Sensor Surcharge Kit. Includes sensor with short cable to connect to the TIENet 360 LaserFlow sensor and mounting hardware. (Teledyne Isco 604354017)	3,954.92	82.17
46 82 83 00-4214	EA	LaserFlow sensor sun shade (Teledyne Isco 604364080)	1,113.40	23.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4215	EA	TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314009)	2,364.36	49.12
46 82 83 00-4216	EA	TIENet® 310 Ultrasonic Level sensor with 75 ft (23 m) cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314011)	2,547.06	52.92
46 82 83 00-4217	EA	TIENet® 310 Ultrasonic Level sensor with cut to length cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314013)	2,364.36	49.12
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4218	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3106)	19,989.59	415.33
46 82 83 00-4219	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surcharge AV sensor and 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3110)	23,729.57	493.03
46 82 83 00-4220	EA	TIENet® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3108) Note: The remote Ultrasonic is not included and must be purchased separately.	17,302.80	359.50
46 82 83 00-4221	EA	TIENet® 360 LaserFlow™ Sensor with Surcharge AV. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3112) Note: The remote Ultrasonic is not included and must be purchased separately.	21,042.81	437.21
46 82 83 00-4222	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3107)	20,172.29	419.12
46 82 83 00-4223	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surcharge AV, and 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3111)	23,912.27	496.83
46 82 83 00-4224	EA	TIENet® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3109) Note: The remote Ultrasonic is not included and must be purchased separately.	17,485.51	363.30
46 82 83 00-4225	EA	TIENet® 360 LaserFlow™ Sensor with surcharge AV. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3113) Note: The remote Ultrasonic is not included and must be purchased separately.	21,225.51	441.00
46 82 83 00-4226	EA	Signature® LaserFlow Sensor ONLY for spare/replacement with TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable. (Teledyne Isco 684360061) Note: Includes sensor accesories.	19,989.59	415.33
46 82 83 00-4227	EA	Signature® Base Station system with base station 624300005, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684300000) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	4,621.26	96.02
46 82 83 00-4228	EA	Mounting Plate for the Signature Base Meter (Teledyne Isco 604303043)	47.28	0.99
46 82 83 00-4229	EA	Spring Ring for 6 inch diameter pipe (Teledyne Isco 683200007)	204.19	4.24
46 82 83 00-4230	EA	Spring Ring for 8 inch diameter pipe (Teledyne Isco 683200008)	204.19	4.24
46 82 83 00-4231	EA	Spring Ring for 10 inch diameter pipe (Teledyne Isco 683200009)	204.19	4.24
46 82 83 00-4232	EA	Spring Ring for 12 inch diameter pipe (Teledyne Isco 683200010)	204.19	4.24
46 82 83 00-4233	EA	Spring Ring for 15 inch diameter pipe (Teledyne Isco 683200011)	204.19	4.24
46 82 83 00-4234	EA	Scissors Ring for 16 inch to 23 inch diameter pipes. Includes base section, scissors mechanism, and one pair of 7.5 inch extensions. (683000042)	1,068.26	22.20
46 82 83 00-4235	EA	Scissors Ring for 16 inch to 36 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 20 inch extensions. (Teledyne Isco 683000043)	1,351.98	28.09
46 82 83 00-4236	EA	Scissors Ring for 39 inch to 43 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000044)	1,418.62	29.47
46 82 83 00-4237	EA	Scissors Ring for 45 inch to 49 inch diameter pipes Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000045)	1,461.60	30.37
46 82 83 00-4238	EA	Scissors Ring for 50 inch to 54 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000061)	1,592.71	33.09
46 82 83 00-4239	EA	Scissors Ring for 58 to 62 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and two pairs of 30 inch extensions. (Teledyne Isco 683000046)	1,702.34	35.37
46 82 83 00-4240	EA	Scissors Ring for 72 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions and two pairs of 40 inch extensions. (Teledyne Isco 683000047)	1,809.80	37.60
46 82 83 00-4241	EA	Scissors Ring for 16 inch to 80 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000048)	2,093.54	43.49
46 82 83 00-4242	EA	Sensor mounting plate. Flat plate for mounting up to 3 sensors in rectangular, trapezoidal or irregular channels. Includes plastic ties to fasten the sensor cable, and installation instructions. (Teledyne Isco 603004196) Note: Requires carriers for low profile area velocity sensors, submerged probes, pH probes, temperature probes, bubble lines, D.O. sensors, and pH sensors. Not recommended for ADFM/accQmin sensors.	191.29	3.97
46 82 83 00-4243	EA	Spreader bar. To suspend flow meter or logger in manhole. Adjusts from 22.5 inch to 48 inch. (Teledyne Isco 603004110)	763.05	15.85
46 82 83 00-4244	EA	Cable joiner, IP68 rated. Includes three position terminal block and sealed housing suitable for making connections to the 2105 Universal Cable or other unterminated wires (14 AWG max). Assembled dimensions are 1.5 inches (38 mm) diameter by 4.25 inches (105 mm) length. (Teledyne Isco 602007580)	141.86	2.95
46 82 83 00-4245	LF	Cable, two conductor, 18 gauge with PVC jacket. (Teledyne Isco 480024200) Note: Compatible with three-hole cord grip fitting 604304080.	2.15	0.04
46 82 83 00-4246	LF	Cable, three conductor, 22 gauge with PVC jacket. (Teledyne Isco 480144601) Note: Compatible with three-hole cord grip fitting 604304080.	2.15	0.04
46 82 83 00-4247	EA	Cord grip fitting for cable diameters from 0.250 to 0.375 inches (6.35 to 9.53 mm). (Teledyne Isco 209007311) Note: For user-supplied cables within this diameter range.	45.14	0.93
46 82 83 00-4248	EA	Three-hole cord grip fitting. Cable diameter range: 0.20 to 0.23 in (5.0 to 5.84 mm). (Teledyne Isco 604304080)	45.14	0.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4249	EA	SPA 2018. External TIENet® bubbler module. (Teledyne Isco 605324018) Note: Order bubble tube, bubble line, and other accessories separately. Order TIENet bulk cable as necessary to support remote operation.	3,761.49	78.15
46 82 83 00-4250	EA	SPA 2023. Cut To Length Remote Totalizer Output Modification for Signature Series Flow Meter. Includes cut to length output cable, cord grip from Signature® meter and cord grip for routing the cable with pigtails into box (not included). (Teledyne Isco 605324023) Note: Same count as optional front panel totalizer receives. The totalizer must be purchased separately; appropriate for use with 60-5314-655 mechanical totalizer.	386.89	8.04
		For Each LF Of Extension Cable, Add	*2.43*	
46 82 83 00-4251	EA	SPA 1655. Remote Non-Resettable 12 Volt DC 8-digit mechanical counter. (Teledyne Isco 605314655) Note: Requires user-supplied weather-proof conduit or cord grip fitting to maintain weatherproof rating. Appropriate for connection to 4200 series flow meter with a 60-5304-899 (SPA 899) Remote Totalizer Output or Signature® series flow meter with a 60-5324-023 (SPA 2023) Remote Totalizer Output. Use 4200 series accessories for totalizers that count sample initiation signals (programmable volume flow pulses). Appropriate for connection to 4501 Pump Station Monitor or 3010 flow logger or other devices, contact factory for details. Counter is in a weatherproof housing with an internal barrier block for connection to external equipment.	861.91	17.91
46 82 83 00-4252	EA	SPA 2044. Cable, external 12 Volt DC to power Signature meter. (Teledyne Isco 605324044) Note: This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature® meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature meters internal barrier block and alligator clips for connection to an external 12 Volt DC source.	225.69	4.69
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4253	EA	SPA 2045. Cable, external 12 Volt DC to power Signature® meter. (Teledyne Isco 605324045) Note: This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature® meters internal barrier block and 5/16-inch ring terminals for connection to an external 12 Volt DC source.	212.79	4.42
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4254	EA	SPA 2046. SDI-12 Submersible temperature sensor probe for Signature® meter. Standard cable length is 59 feet, available with a submersible splice up to 200-foot maximum length for an additional fee. Equipped with pigtail wires for connection to one of two of the Signature meter's internal SDI-12 barrier blocks and a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications. (Teledyne Isco 605324046)	2,633.03	54.70
		For Each LF Of Extension Cable, Add	*2.43*	
46 82 83 00-4255	EA	SPA 2060. Barrier for Signature hazardous location approved TIENet® Ultrasonic (not included). (Teledyne Isco 605324060) Note: Spa 2060 barrier is placed in a safe area and the associated sensor is located in a hazardous area. Provides weatherproof box with terminals and power supply for connection to external 120VAC and ground and terminals for connection to ultrasonic sensor. To connect between barrier and Signature use 60-4304-050 and 209-0073-12.	7,378.95	153.31
46 82 83 00-4256	EA	SPA 2024. Signature power loss alarm, Supplied with cord grip and a 3' cable with pig tail wires that route into Signature from external weatherproof box, includes a 20' cable wired internally to non-powered contacts. Not a TieNet device, connects directly to DC voltage terminals. (Teledyne Isco 605324024)	597.54	12.42
46 82 83 00-4257	EA	SPA 194. Spring ring for 4" diameter pipe (Teledyne Isco 605304194)	206.34	4.29
46 82 83 00-4258	EA	SPA 1916. Spring ring for 5" diameter pipe (Teledyne Isco 605314916)	206.34	4.29
46 82 83 00-4259	EA	SPA 1873. Spring ring for 7" diameter pipe (Teledyne Isco 605314873)	240.74	5.00
46 82 83 00-4260	EA	SPA 1172. Spring ring for 9" diameter pipe (Teledyne Isco 605314172)	229.99	4.78
46 82 83 00-4261	EA	SPA 1784. Spring ring for 14" diameter pipe (Teledyne Isco 605314784)	229.99	4.78
46 82 83 00-4262	EA	SPA 913 Modification to add scissor mechanism to spring ring, purchase spring ring separately, contact factory for rings below 10" diameter. (Teledyne Isco 605304913)	773.80	16.07
46 82 83 00-4263	EA	Signature® Portable Ultrasonic Flow Meter System. (Teledyne Isco 684310100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, TIENet 310 ultrasonic level sensor with 32.8' cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	8,060.33	167.47
46 82 83 00-4264	EA	12 Volt DC, 6.5 Ampere Hours, Lead-Acid Battery. Rechargeable Model 946 (Teledyne Isco 603004106) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Recharge using Model 963 or 965 battery charger.	382.60	7.94
46 82 83 00-4265	EA	12 Volt DC, 45 Ampere Hours Lead-Acid Battery, Rechargeable Model 948 (Teledyne Isco 683000948) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers and 4200 Series Flow Meters. Recharge using battery charger, part number 341-0118-12.	550.26	11.43
46 82 83 00-4266	EA	High Capacity Power Pack. Converts 120 Volt AC, 50/60 Hertz to 12 Volt DC. Model 913 (Teledyne Isco 601684088) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Includes separate output for charging Isco batteries. UL and ULC listed.	558.86	11.61
46 82 83 00-4267	EA	High Capacity Power Pack. Converts 240 Volt AC, 50/60 Hertz to 12 Volt DC. Model 923 (Teledyne Isco 603004190) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Includes separate output for charging Isco batteries.	823.23	17.10
46 82 83 00-4268	EA	Battery Backed Power Pack. Converts 120 Volt AC, 50/60 Hertz to 12 Volt DC. Model 914 (Teledyne Isco 683004130) Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters. Includes internal backup battery. UL and ULC listed.	1,175.73	24.43
46 82 83 00-4269	EA	Battery Backed Power Pack, Converts 240 Volt AC, 50/60 Hertz to 12 Volt DC. Model 924 (Teledyne Isco 683004160) Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters. Includes internal backup battery.	1,113.40	23.13
46 82 83 00-4270	EA	TIENet® 306 Sampler Interface with 10 m (32.8 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304076) Note: Supports flow pacing and sampler enabling.	1,085.46	22.55
46 82 83 00-4271	EA	TIENet® 306 Sampler Interface with 23 m (75 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304077) Note: Supports flow pacing and sampler enabling.	1,291.79	26.84
46 82 83 00-4272	EA	TIENet® 306 Sampler Interface with cut-to-length cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304078) Note: Supports flow pacing and sampler enabling.	1,074.71	22.33
		For Each LF Of Extension Cable, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4273	EA	TIENet ® 301 pH and temperature sensor interface with 32.8 ft (10 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307070)	2,540.61	52.79
46 82 83 00-4274	EA	TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307071)	2,736.21	56.85
46 82 83 00-4275	EA	TIENet® 301 pH and temperature sensor interface with cut-to-length cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, and calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307072)	2,540.61	52.79
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4276	EA	TIENet Receptacle Y-cable. (Teledyne Isco 604304066) Note: Extends the network by providing two TIENet receptacles to which compatible devices with a TIENet plug may be attached.	842.57	17.51
46 82 83 00-4277	EA	TIENet® 350 Area Velocity sensor with plug and 10 m (32.8 ft) cable. (Teledyne Isco 604354023)	3,976.42	82.62
46 82 83 00-4278	EA	TIENet® 350 Area Velocity sensor with plug and 23 m (75 ft) cable. (Teledyne Isco 604354024)	4,159.12	86.42
46 82 83 00-4279	EA	TIENet® 350 Area Velocity sensor with plug and cut-to-length cable. (Teledyne Isco 604354025)	3,976.42	82.62
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4280	EA	Signature® Portable Base Meter. (Teledyne Isco 624300006) Note: Base meter includes carrying handle with stand, desiccant cartridge, and 12 Volt DC power input cable. This item does not include a flow technology, power, and configured options which must be ordered separately when not ordered as a system.	5,481.02	113.88
46 82 83 00-4281	EA	Signature® Portable Bubbler Flow Meter System. (Teledyne Isco 684330100) Note: Starting price includes base meter 624330004 with internal bubbler, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	8,597.67	178.64
46 82 83 00-4282	EA	Signature® Portable Base Meter. (Teledyne Isco 624330004) Note: Base meter includes carrying handle with stand, desiccant cartridge, and 12 Volt DC power input cable. This item does not include power, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.	5,481.02	113.88
46 82 83 00-4283	EA	Signature® Portable Area Velocity Flow Meter System. (Teledyne Isco 684350100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, TIENet 350 area velocity sensor with 32.8' cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	9,672.38	200.97
46 82 83 00-4284	EA	Signature® Portable LaserFlow system with base meter 624300006, TIENet® 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, choice of mounting hardware, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360160) Note: Includes mounting hardware, cable lengths, remote level sensing, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	25,900.48	538.14
46 82 83 00-4285	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and built-in ultrasonic level sensor. Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3098)	20,204.53	419.80
46 82 83 00-4286	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and built-in ultrasonic level sensor . Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3099)	20,387.23	423.59
46 82 83 00-4287	EA	TIENet® 360 LaserFlow with built-in level sensor. Includes cut-to-length cable with TIENet plug. (Teledyne Isco 604364077)	20,204.53	419.80
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4288	EA	TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 32.8 ft (10 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module. (Teledyne Isco 682160061-ISCO3100) Note: Excludes Signature® portable meter, 2160 LaserFlow module, TIENet 310 Ultrasonic level sensor which must be ordered separately.	17,517.76	363.97
46 82 83 00-4289	EA	TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 75 ft (23 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module(Teledyne Isco 682160061-ISCO3101) Note: Excludes Signature® portable meter,2160 LaserFlow module, TIENet 310 Ultrasonic level sensor which must be ordered separately.	17,700.45	367.76
46 82 83 00-4290	EA	TIENet® 360 LaserFlow sensor for remote level sensor with cut-to-length cable and TIENet plug. (Teledyne Isco 604364079) Note: Excludes TIENet 310 Ultrasonic level sensor which must be configured or ordered separately.	17,517.76	363.97
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4291	EA	Signature® Portable Base Meter System. (Teledyne Isco 684300100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	5,695.95	118.35
46 82 83 00-4292	EA	Suspension harness. To hang flow meter from a manhole rung, etc. (Teledyne Isco 601704016)	118.23	2.46
46 82 83 00-4293	EA	Model 963 lead-acid float battery charger. (Teledyne Isco 683004198) Note: For charging Isco 946 and 947 batteries one at a time. Equipped with an IEC 320 for connection to 120/240 Volt AC, 50/60 Hertz power. North American units are shipped with a line cord. Varies output current as battery becomes charged, preventing overcharging. UL listed and CE marked.	479.31	9.96
46 82 83 00-4294	EA	Model 965 Five-Station Battery Charger with North America 120 Volt AC power cord. (Teledyne Isco 683000965) Note: Powered by 120 or 240 Volt AC, 50/60 Hz (user-switched). UL listed. Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously.	1,491.69	30.99
46 82 83 00-4295	EA	Portable 12 Volt DC, 6 Amperes Battery Charger. Powered by 120 Volt AC, 50/60 Hertz. UL listed. (Teledyne Isco 341011812) Note: For use with Model 948 Lead-Acid Battery only.	241.81	5.02
46 82 83 00-4296	EA	3010 Ultrasonic Flow Transmitter. Includes an ultrasonic level sensor with a 50 ft. cable, sensor mounting bracket, instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 683010028) Note: For non-conduit wiring, a separate power cord and a watertight cord grip fitting (part number 209-0076-03) for the sensor cable are required. Order other sensor mounting hardware as required.	3,858.21	80.16
46 82 83 00-4297	EA	Ultrasonic level sensor only. With 50 ft. cable. For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-03) is required. (Teledyne Isco 603404082)	902.75	18.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4298	EA	Ultrasonic sensor quick disconnect box. (Teledyne Isco 603404052) Note: Provides an external connection point for connecting the 3010 to an ultrasonic level sensor through conduit. Requires extension cable listed below. For non-conduit wiring, 3 watertight cord grip fittings (one part number 209-0076-03 and two part number 209-0076-08) are required.	346.07	7.19
46 82 83 00-4299	LF	SPA 922. 3010 Sensor Extension Cable, cut to length, per ft. (Teledyne Isco 605304922) Note: Normally used with 603404052 disconnect box to add distance between sensor and 3010. Maximum available length is 975 ft. Cable has spade lugs on one end, bare wires on other.	5.33	0.11
46 82 83 00-4300	EA	Connect cable, 3000 Series to Isco Sampler. 25 ft. length. (Teledyne Isco 603404051) Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-04) is required.	333.17	6.92
46 82 83 00-4301	EA	High/low alarm relays. For use with both 3000 and 4200 series. Two alarm relays with field settable trip points (based on flow rate), in conduit mount enclosure. Includes instructions. Requires customer supplied 3 conductor (18 ga. minimum) shielded wire with a 250 ft. maximum length. For non-conduit wiring, 2 watertight cord grip fittings are required. (Teledyne Isco 603404028) Note: Requires connect cable 60-3214-088 for use with 4200 Series Flow Meters.	1,068.26	22.20
46 82 83 00-4302	EA	Instruction manual for high/low alarm relays. (Teledyne Isco 603403071)	53.56	
46 82 83 00-4303	EA	3010 instruction manual. (Teledyne Isco 603404070)	113.31	
46 82 83 00-4304	EA	3020 instruction manual. (Teledyne Isco 603404058)	61.80	
46 82 83 00-4305	EA	Teledyne Isco Open Channel Flow Measurement Handbook, 7th Edition. (Teledyne Isco 603003041)	135.42	2.81
46 82 83 00-4306	EA	2150 Flow Module with 2191 Battery Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable, 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050002) Note: Requires Flowlink software and computer connect cable (sold separately).	10,641.77	221.11
46 82 83 00-4307	EA	2150 Flow Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050001)	9,010.37	187.21
46 82 83 00-4308	EA	2150 Flow Module with 2191 Battery Module, 2 battery holders, and carrying handle with suspension strap,.instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050003) Note: Requires Flowlink software and computer connect cable (sold separately). Excludes area velocity sensor.	8,526.74	177.17
46 82 83 00-4309	EA	2150 Flow Module (Teledyne Isco 602004007) Note: Excludes 2191 Battery Module, Area Velocity Sensor, manual, and carrying handle.	6,654.60	138.26
46 82 83 00-4310	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 33 ft. (10 m) cable. Contact the factory for cable lengths up to 75 ft. (23 m). (Teledyne Isco 602004135)	2,512.67	52.21
46 82 83 00-4311	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable. (Teledyne Isco 602004546)	2,643.78	54.93
46 82 83 00-4312	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 75 ft (23 m) cable. (Teledyne Isco 602004549)	2,753.41	57.21
46 82 83 00-4313	EA	SPA 1646. 2150 Area Velocity Sensor, 30 ft. level range, built to length. (Teledyne Isco 605314646) Note: This is an extended range sensor used exclusively for the 2150. Maximum length is 100 ft. Please specify length when ordering.	2,299.88	47.78
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4314	EA	SPA 1332. Teflon Coated Sensor for 2100/4100/4200 Series Probes. (Teledyne Isco 605314332) Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646). Has been used to deter solvents from attacking the body of the probe.	595.39	12.37
46 82 83 00-4315	EA	USB Communication Cable, 10 ft. (3 m). Connects 2100 Series Module top connector to PC with USB connector. (Teledyne Isco 602004507)	561.01	11.65
46 82 83 00-4316	EA	RS232 Communication Cable, 10 ft. (3 m). Connects 2100 Module to PC with 9 pin Serial port connector. (Teledyne Isco 602004046) Note: Contact the factory for cable lengths up to 100 ft., or for cable to PC with 25 pin connector.	528.76	10.98
46 82 83 00-4317	EA	2100 Series sampler interface. (Teledyne Isco 682000014)	1,001.63	20.81
46 82 83 00-4318	EA	SPA 1479. Sampler interface cable for 2110/2150, custom length. Maximum length 1,000 feet, minimum length 5 ft to allow between sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler, order in tandem with part number 60-5314-697. Enters bottom port of 2110 or 2150, this is the cut to length version of part number 68-2000-014. (Teledyne Isco 605314479) Note: If the 2100 application requires a 2108 module use part number 60-5314-562, which connects to the top of the 2100 stack.	934.99	19.43
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4319	EA	Din rail mount DC power supply. Input 115-230 Volt AC 50/60 Hertz, Output 12 Volt DC, 1.5 Amperes (Teledyne Isco 341000218)	268.68	5.59
46 82 83 00-4320	EA	2100 Series Module Mounting Plate. ABS plastic plate for mounting 2100 system to wall. (Teledyne Isco 602004262)	275.12	5.72
46 82 83 00-4321	EA	SPA 1334. 2100 Mounting Plate with Battery/Power Pack Holder. Stainless steel plate for mounting 2100 system to wall. Mounting plate includes location and latches to secure the battery or power pack. (Teledyne Isco 605314334) Note: Connecting an Isco battery or power pack to a 2100 series module will require a two-pin power adapter cable, 60-5314-290, not included.	595.39	12.37
46 82 83 00-4322	EA	Maintenance Kit for 2100 Module. Includes five O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, one O-ring for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602059001)	85.98	1.79
46 82 83 00-4323	EA	2150 Flow Module Instruction Manual. (Teledyne Isco 602004038)	131.85	
46 82 83 00-4324	EA	SPA 1233. 2150 Area Velocity Sensor, built to length. (Teledyne Isco 605314233) Note: This is the sensor used exclusively for the 2150. Maximum length is 75 ft. Please specify length when ordering.	2,149.42	44.66
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4325	EA	SPA 1326. 2150 Sensor Extension Cable, built to length, per ft. (Teledyne Isco 605314326) Note: Maximum length is 75 ft. Specify length when ordering. Extends the distance between the 2150 and the sensor.	343.90	7.14
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4326	EA	SPA 1601. Q.D. Box for 2150 A/V Sensor. This is normally used with SPA 1602 when desired span between 2150 and area velocity sensor exceeds 75 ft. or routing through conduit. (Teledyne Isco 605314601)	1,089.75	22.65
46 82 83 00-4327	EA	SPA 1602. 2150 to Q.D. Box Connect Cable, built to length. Cable connects to sensor port of the 2150 and is supplied with spade lugs on the opposite end for connection to the terminal strip of SPA 1601. Maximum length is 250 ft. (Teledyne Isco 605314602)	354.66	7.37
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4328	EA	2150 Area Velocity Sensor Simulator. This test plug connects to module in place of A/V sensor and provides simulated data to the 2150 module. (Teledyne Isco 602004430)	881.26	18.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4329	EA	2110 Ultrasonic Module with 2 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000072) Note: Requires Flowlink software and computer connect cable (sold separately).	7,159.71	148.76
46 82 83 00-4330	EA	2110 Ultrasonic Module with 2191 Battery Module and 2 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000073) Note: Requires Flowlink software and computer connect cable (sold separately).	8,724.49	181.27
46 82 83 00-4331	EA	2110 Ultrasonic Module with 4 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately). (Teledyne Isco 682000074)	8,040.97	167.07
46 82 83 00-4332	EA	2110 Ultrasonic Module with 2191 Battery Module and 4 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000075) Note: Requires Flowlink software and computer connect cable (sold separately).	9,627.25	200.02
46 82 83 00-4333	EA	2110 Ultrasonic Module with instruction manual. (Teledyne Isco 602004400)	4,825.43	100.26
46 82 83 00-4334	EA	Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004419)	2,379.40	49.44
46 82 83 00-4335	EA	Ultrasonic level sensor 4 m, 95 KHz, for 2110 Ultrasonic Module with 12 to 144 inch measurement range (0.3 to 3.6 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004420)	3,194.04	66.36
46 82 83 00-4336	EA	Reflector plate for horizontal mounting of 2110 Ultrasonic level sensor. (Teledyne Isco 602008013)	146.17	3.04
46 82 83 00-4337	EA	In-pipe mounting using Isco mounting ring. (Teledyne Isco 602007419) Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).	965.08	20.06
46 82 83 00-4338	EA	Mounting bracket for large pipe and flat roof channel. (Teledyne Isco 602003622)	79.52	1.66
46 82 83 00-4339	EA	Ultrasonic level sensor suspension hardware with straightener tube. (Teledyne Isco 602004610)	872.66	18.12
46 82 83 00-4340	EA	SPA 1542. Module to module cable with dust cap. (Teledyne Isco 605314542) Note: May be used with a standard 2100 interrogation cable to create a 2 piece interrogate cable for remote connection to 2100 series. Maximum length is 100 ft. with interrogate cable or 1,000 to 3,300 feet for most other applications. Contact factory for lengths exceeding 1,000 ft.	354.66	7.37
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4341	EA	2110 Instruction Manual (Teledyne Isco 602004410)	131.85	
46 82 83 00-4342	EA	SPA 1509. 2110 Ultrasonic Level Sensor Quick Disconnect Box. Used with SPA 1581 cable assembly for conduit installations of the 2110. (Teledyne Isco 605314509)	672.77	13.98
46 82 83 00-4343	EA	SPA 1569. Cut to length 2110 ultrasonic sensor extension cable (sensor not included), 75' maximum length. (Teledyne Isco 605314569)	343.90	7.14
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4344	EA	SPA 1581. Cable Assembly for use with 2110 Quick Disconnect Box. Cable is built to customer desired length. (Teledyne Isco 605314581)	408.39	8.48
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4345	EA	SPA 1888. Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and built to length cable , 100' maximum length. (Teledyne Isco 605314888)	2,342.87	48.68
		For Each LF Of Extension Cable, Add	*4.68*	
46 82 83 00-4346	EA	Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3165) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	26,717.26	555.11
46 82 83 00-4347	EA	Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 10 m cable, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3171) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	26,717.26	555.11
46 82 83 00-4348	EA	Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3173) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	30,865.64	641.30
46 82 83 00-4349	EA	Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3176) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	30,865.64	641.30
46 82 83 00-4350	EA	Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3164) Note: Requires Flowlink software and computer connect cable. Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	24,997.72	519.39
46 82 83 00-4351	EA	Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32,8 ft (10 m) cable , and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3170) Note: Requires Flowlink software and computer connect cable. Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	24,997.72	519.39
46 82 83 00-4352	EA	Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3172) Note: Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	29,167.61	606.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4353	EA	Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3175) Note: Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	29,167.61	606.02
46 82 83 00-4354	EA	2160 LaserFlow™ module with 2191 Battery Module. Does not include TIENet 360 LaserFlow Sensor. Includes carrying handle and suspension strap, instruction manual, maintenance kit, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160014)	5,953.89	123.70
46 82 83 00-4355	EA	2160 LaserFlow module (Teledyne Isco 602004700) Note: Excludes TIENet 360 LaserFlow sensor.	4,169.86	86.64
46 82 83 00-4356	EA	Maintenance Kit for 2191 Battery Module. Includes three O-rings for connectors, two gaskets for battery doors, two bags of desiccant, two desiccant indicators, and instructions. (Teledyne Isco 602099001)	88.13	1.83
46 82 83 00-4357	EA	2191 Battery Module. Includes 2 battery holders. (Teledyne Isco 602004006)	1,564.77	32.51
46 82 83 00-4358	EA	Carrying handle for 2100 series modules. Attaches between two modules. (Teledyne Isco 602004377)	148.31	3.08
46 82 83 00-4359	EA	Suspension strap/carrying handle. Stainless steel cable, 18 inches (46 cm) wrapped by PVC tubing, with two stainless steel snap hooks. (Teledyne Isco 601704017)	51.58	1.07
46 82 83 00-4360	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3104) Note: The remote Ultrasonic is not included and must be purchased separately.	21,042.81	437.21
46 82 83 00-4361	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3102)	23,944.51	497.50
46 82 83 00-4362	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3105) Note: The remote Ultrasonic is not included and must be purchased separately.	21,440.45	445.47
46 82 83 00-4363	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3103)	24,127.21	501.29
46 82 83 00-4364	EA	2105 Network Interface Module only. (Teledyne Isco 602004560)	3,701.30	76.90
46 82 83 00-4365	EA	2105 Network Interface Module with 2191 Battery Module. Includes carrying handle, and module maintenance kits. (Teledyne Isco 682000048)	5,089.83	105.75
46 82 83 00-4366	EA	2105ci CDMA Serial Over IP modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 682000099) Note: Requires customer-supplied static IP address service contract with Verizon.	6,942.62	144.25
46 82 83 00-4367	EA	2105ci CDMA Cell Phone Package with 2191 Battery module and 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. (Teledyne Isco 682000103) Note: Requires customer provided Verizon account with static IP service, paid by customer.	8,318.24	172.83
46 82 83 00-4368	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000093)	6,942.62	144.25
46 82 83 00-4369	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000113)	6,942.62	144.25
46 82 83 00-4370	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000096)	7,673.42	159.44
46 82 83 00-4371	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000116)	7,673.42	159.44
46 82 83 00-4372	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000094)	6,942.62	144.25
46 82 83 00-4373	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000114)	6,942.62	144.25
46 82 83 00-4374	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000089)	8,060.33	167.47
46 82 83 00-4375	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000109)	8,060.33	167.47
46 82 83 00-4376	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000095)	7,393.99	153.63
46 82 83 00-4377	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000115)	7,393.99	153.63
46 82 83 00-4378	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000097)	8,511.70	176.85
46 82 83 00-4379	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000117)	8,511.70	176.85
46 82 83 00-4380	EA	In-street antenna with improved connector for 2103ci/2103C/6712ci/6712C/6712G/6712Gi cellular telephone modems and 2105ci/2105C/2105G/2105Gi Network Interface modules manufactured in January 2010 and later. Designed for manhole applications. (Teledyne Isco 602004564) Note: When using "ci" equipment, the 60-2004-550 dual band is recommended for optimal performance.	408.39	8.48
46 82 83 00-4381	EA	External magnetic mount antenna with improved connector for the 2103Gi cellular telephone modems and 2105Gi Network Interface modules manufactured in January 2010 and later. This general purpose antenna is recommended for enclosure installations. (Teledyne Isco 602004565)	408.39	8.48
46 82 83 00-4382	EA	External magnetic mount antenna with improved connector for the 2103ci/2103C cellular telephone modems and 2105ci/2105C CDMA Network Interface modules manufactured in January 2010 and later. Designed for enclosure applications. (Teledyne Isco 602004566) Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.	408.39	8.48
46 82 83 00-4383	EA	SPA 1820. Manhole-mounted Antenna. (Teledyne Isco 605314820) Note: This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. For use with 2103ci/2103C/2105G, 2105ci/2105C/2105G, and 6712ci/6712C/6712G modems with an SMB connector. When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.	1,079.00	22.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4384	EA	SPA 1908. Blade Antenna with SMB style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. This antenna is for new style 2103ci/2103C/2103G/2103Gi, 2105ci/2105C/2105G/2105Gi, or 6712C/6712ci modules with an SMB style connector. See 60-5314-935 Blade antenna with SMA connector for old style models 2103Ci/2103Gi. (Teledyne Isco 605314908) Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.	305.21	6.34
46 82 83 00-4385	EA	2105 Universal Cable. This 10 ft. cable has a 12-pin connector that connects to the 2105 module. The unterminated end of the cable may be spliced to other wiring or attached to a terminal strip. Includes instruction sheet. (Teledyne Isco 692004580)	275.12	5.72
46 82 83 00-4386	EA	2105 to 674 Rain Gauge connect cable. This 50 ft. cable has a 12-pin connector that connects to the 2105 module. The other end of the cable is terminated with two spade connectors that attach to the terminals in a 674 Rain Gauge. (Teledyne Isco 692004581) Note: If the rain gauge already has a cable, consider 69-2004-583 instead.	339.61	7.05
46 82 83 00-4387	EA	2105 to YSI Sonde interconnect cable. This 10 inch adapter cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a connector that mates with a YSI field cable. (Teledyne Isco 692004582)	253.64	5.27
46 82 83 00-4388	EA	SPA 1811. 2105 to SDI-12 connection cable. This 10 ft. cable connects to the 2105 top connector and is terminated with same SDI-12 connector as the 6712 Sampler Rain Gauge/SDI-12 input port. This cable allows Isco-ready SDI-12 sondes specifically designed for use with the 6712 Sampler to be connected to the 2105 module. This cable is not for use with other SDI-12 sondes, including sondes with pigtail connections (see 69-2004-580 for pigtail input SDI-12 sondes). (Teledyne Isco 605314811)	333.17	6.92
46 82 83 00-4389	EA	SPA 1844. SDI-12 Pressure transducer or submerged probe for connection to the 2105. Includes a desiccator to vent the transducer to the atmosphere, length of cable is 100'. (Teledyne Isco 605314844)	3,514.30	73.02
46 82 83 00-4390	EA	SPA 1855. This cut to length cable has a 12-pin connector that connects to the 2105 module's side connector and a 6-pin connector that connects to the 4200 series flow meter or 6712 sampler's interrogator port. The 2105 receives flow data. Max length is 100 ft; minimum length 5 ft if intended for connection to sampler. (Teledyne Isco 605314855) Note: Not for use with 5800/4700 sampler.	225.69	4.69
		For Each LF Of Extension Cable, Add	*3.03*	
46 82 83 00-4391	EA	2105 to 674 Rain Gauge interconnect cable. This 10 inch cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a 4-pin connector that mates to the cable supplied with a 674 Rain Gauge. (Teledyne Isco 692004583)	288.02	5.98
46 82 83 00-4392	EA	2105 to GLS/3700/6700 Series/Avalanche Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable includes a 6-pin female connector that attaches to the sampler's Flow Meter port. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004584)	679.21	14.11
46 82 83 00-4393	EA	Y-cable, one 2105 male to two 2105 female connections, 10 inches. Used to create two 2105 connections. (Teledyne Isco 692004585)	790.99	16.44
46 82 83 00-4394	EA	2105 to 5800/4700 Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to the 5800/4700 Refrigerator rear panel connector. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004633)	722.20	15.01
46 82 83 00-4395	EA	2105 to 16-pin accQmin or standard ADFM system (box or canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to an accQmin flow meter or standard ADFM system (box or canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004587)	722.20	15.01
46 82 83 00-4396	EA	2105 to 9-pin standard ADFM system (canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 9-pin connector that mates to a standard ADFM system (canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004589)	687.81	14.28
46 82 83 00-4397	EA	2103ci CDMA Cell Phone Package with 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. Powered from the module stack. (Teledyne Isco 682000098) Note: Requires customer provided Verizon account with static IP service, paid by customer.	4,965.15	103.16
46 82 83 00-4398	EA	In-street antenna for 2103c and 2103g modem communication modules with original connector (before January 2010). (Teledyne Isco 682000031) Note: Recommended for manhole installations.	408.39	8.48
46 82 83 00-4399	EA	SPA 1891. Adapter cable to use antennas with original design (before January 2010) with modules manufactured in January 2010 and later. (Teledyne Isco 605314891)	184.85	3.84
46 82 83 00-4400	EA	SPA 1779. Old Style Manhole-mounted Antenna for Model 2103Ci/2103Gi with SMA style connector. (Teledyne Isco 605314779) Note: This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. Use 605314820 for new style Manhole-mounted antenna with SMB connector. This antenna is for old style 2103Ci/2103Gi with an SMA style connector.	1,051.07	21.83
46 82 83 00-4401	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-087) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,137.11	106.74
46 82 83 00-4402	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-107) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,137.11	106.74
46 82 83 00-4403	EA	2103Gi Series GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000086) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,137.11	106.74
46 82 83 00-4404	EA	2103GI GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-106) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,137.11	106.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4405	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000088) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,588.48	116.12
46 82 83 00-4406	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North American/Region A countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-108) Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.	5,588.48	116.12
46 82 83 00-4407	EA	External magnetic mount antenna for the 2103g modem communication module with original connector (before January 2010). This five-inch tall general purpose antenna is recommended for enclosure installations. (Teledyne Isco 682000047)	429.88	8.93
46 82 83 00-4408	EA	2103, 2103C, and 2103G Modem Communication Module Instruction Manual. (Teledyne Isco 692003180)	117.43	
46 82 83 00-4409	EA	2102 Wireless Remote Module. Stacks on 2150 Flow Monitoring System to provide two-way communication with base module (sold separately). Includes 2102 manual. (Teledyne Isco 682000003)	4,320.33	89.76
46 82 83 00-4410	EA	2102 Wireless Base Module. Connects to computer running Flowlink software (v4.11 or higher) for communication with 2102 field monitoring stations. (Teledyne Isco 682000002) Note: Includes 12 Volt DC power adapter (#60-2004-050) for vehicle cigarette lighter, 120 VAC power adapter (#60-2004-057), and 2102 instruction manual. Requires Flowlink software and computer connect cable, sold separately.	4,728.72	98.25
46 82 83 00-4411	EA	Connect Cable, 10 ft. (3 m). Connects 2102 Wireless Module to 6700 Series/Avalanche Sampler, 4200 Series Flow Meter, or 4100 Series Flow Logger. This connect cable will supply power from the sampler or flow meter to operate the 2102 wireless module. (Teledyne Isco 602004059)	434.18	9.02
46 82 83 00-4412	EA	12 Volt DC power adapter, to power 2101 or 2102 Module from vehicle cigarette lighter. (Teledyne Isco 602004050)	232.14	4.83
46 82 83 00-4413	EA	120 Volt AC power adapter, to power a 2100 Series module from AC mains. (Teledyne Isco 602004057) Note: One end is terminated with a 2100 Series bottom connector. The other end has a wall transformer that plugs into a North American 120 VAC outlet.	253.64	5.27
46 82 83 00-4414	EA	SPA 1311. Remote antenna for 2102. Provides an adapter to 2102, 25' of cable, and remote antenna. This is available when the standard external antenna is unsuitable. A Yagi or omnidirectional antenna is sent based on customer application. (Teledyne Isco 605314311) Note: Earlier 2102s may require modification of 2102 to provide for external connector, contact SPA for details. US ONLY.	993.04	20.63
46 82 83 00-4415	EA	Maintenance Kit for 2102 Wireless Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, and instructions. (Teledyne Isco 602009002)	74.16	
46 82 83 00-4416	EA	2102 Wireless Module Instruction Manual. (Teledyne Isco 602003145)	123.61	
46 82 83 00-4417	EA	2108 Analog Output Module. Connects to 4-20 mA output to external non-Isco equipment. Requires a computer running Flowlink software (v4.15 or higher) to configure the 2108 module. Includes small DIN rail, removable connector, and instruction manual. Does not include cables. (Teledyne Isco 682000010)	2,665.27	55.38
46 82 83 00-4418	EA	2100 Series Connect Cable, 50 ft. (15 m). One cable end has a single connector to plug into bottom of 2100 Module. Opposite end is unterminated with six wires stripped for connection to 2108 Analog Output module. Quick Disconnect box, or other device. (Teledyne Isco 602004219)	419.13	8.71
46 82 83 00-4419	EA	Quick Disconnect Box. For 2100 Series network. (Teledyne Isco 602004228)	825.38	17.15
46 82 83 00-4420	LF	SPA 1417. Cable, 6 conductor, 24 gauge. General Cable #CO516. For use between Quick Disconnect box and network isolator/power barrier. Priced per ft. (Teledyne Isco 605314417) Note: Specify total length when ordering	4.51	0.09
46 82 83 00-4421	EA	2108 Instruction Manual (Teledyne Isco 692003239)	127.73	
46 82 83 00-4422	EA	SPA 1612. Mounting plate with 120 Volt AC Supply for 2100 Series modules and 2108 analog output. Made of aluminum (Teledyne Isco 605314612) Note: 2108 and power supply are mounted on a DIN rail. Power supply and 2108 are not NEMA rated. Power supply 341-0002-18 is included, the 2108 must be ordered separately.	825.38	17.15
46 82 83 00-4423	EA	2101 Field Wizard Module. Includes Module Extension Cable and 2101 instruction manual. Requires Flowlink software version 4.12 or higher and external power source. Does not include power source or RS232 Communications Cable. (Teledyne Isco 682000006)	4,427.80	92.00
46 82 83 00-4424	EA	Module Extension Cable. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 602004056) Note: Custom lengths available - use 60-5314-316.	348.21	7.23
46 82 83 00-4425	EA	SPA 1316. Module Extension Cable, custom length. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 605314316) Note: Specify custom length from 1 to 3,300 ft. (1,000 m). Contact factory for lengths exceeding 1,000 ft. May be used in tandem with USB communications cable (60-2004-507) for cut to length interrogate cable with a 100 ft. maximum length.	279.42	5.80
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4426	EA	Maintenance Kit for 2101 Field Wizard Module. Includes two O-rings for connectors, silicon grease for O-ring lubricant, desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009001)	103.17	2.14
46 82 83 00-4427	EA	SPA 1429. 2100 non-Isco Battery Connect Cable. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via bottom connector, to customer supplied deep cycle battery. Not for use with 2108, see SPA 1456 if 2108 is part of the application. (Teledyne Isco 605314429)	526.60	10.94
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4428	EA	SPA 1456. 2100 Non-Isco Battery Cable, top connection. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via top connector, to customer supplied deep cycle battery with two large alligator clips. For use with customer-supplied batteries and the Isco 2100 System. Appropriate for use with the 2108 module. (Teledyne Isco 605314456)	505.11	10.49
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4429	EA	2101 Field Wizard Instruction Manual (Teledyne Isco 602004070)	123.61	
46 82 83 00-4430	EA	Alkaline Lantern Battery. Non-rechargeable, 6 Volt DC (Teledyne Isco 340200602) Note: For use with Isco 2191 Battery Module (2 required) or Isco 4100 Series Flow Loggers (2 required).	60.18	1.25
46 82 83 00-4431	EA	Model 945 Lead-Acid Lantern Battery. Rechargeable, 6 Volt DC (Teledyne Isco 602004041) Note: For use with Isco 2191 Battery Module (2 required).	85.98	1.79
46 82 83 00-4432	EA	Charging adapter for Model 945 Lead-Acid Lantern Batteries. Connects 2 Model 945 Batteries to Isco Model 963 or 965 Battery Charger. One required for every 2 batteries being recharged at one time. (Teledyne Isco 602004040)	283.72	5.89
46 82 83 00-4433	EA	2100 Power adapter cable, CE rated. Two-foot long cable includes connector for bottom of module stack and connector for an Isco model 934, 946, or 948 battery pack. (Teledyne Isco 692004451)	586.79	12.19
46 82 83 00-4434	EA	Carrying handle with suspension strap. For 2100 System with one to four modules plus 2191 Battery Module. (Teledyne Isco 682000001)	217.09	4.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4435	EA	Maintenance Kit for 2103 Modem Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, desiccant, and instructions. (Teledyne Isco 602009004)	101.02	2.10
46 82 83 00-4436	EA	SPA 1232. 2100 Interrogate Cable, built to length. (Teledyne Isco 605314232) Note: This is the interrogate cable for connection from the top connector of the 2100 series to a computer via 9 pin serial connector. Maximum length is 100 ft. Please specify length when ordering.	627.63	13.03
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4437	EA	SPA 1290. 2100 Power Adapter Cable, Non CE rated. Allows use of standard 2-pin Isco power packs and batteries with 2100 systems. Built to length, per ft. Minimum length is 3 ft., maximum length is 25 ft. See part number 69-2004-451 for standard CE rated 2 ft. version. (Teledyne Isco 605314290) Note: Not for use with 2108 module.	612.59	12.73
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4438	EA	SPA 1347. Solar Panel With Bracket, 40 Watt, For Use With Customer Supplied Battery; 100 Ampere Hours Or Greater Recommended. (Teledyne Isco 605314347) Note: Includes pole mount bracket and an 8' cable with two 5/16" terminal lugs for connection to lead acid battery. Does not include a 12 Volt DC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, use 60-5314-429 or 60-5314-456.	2,235.39	46.44
46 82 83 00-4439	EA	SPA 1377. Deep Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in saturated or deep stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers and the standard profile AV sensor.(Teledyne Isco 605314377) Note: For a low profile A/V probe also order part number 60-3204-029. Approximately 30 inches in length from top to bottom.	447.08	9.29
46 82 83 00-4440	EA	SPA 1389. Aluminum Cable Shield, built to length. Aluminum shield for cable to protect from animal damage. (Teledyne Isco 605314389) Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646) Maximum length is 75 ft. Contact factory for longer lengths.	206.34	4.29
		For Each LF Of Aluminum Cable Shield, Add	*6.39*	
46 82 83 00-4441	EA	SPA 1396. Two piece interrogator cable, cut to length, for 2100 Series devices. Mates to 60-2544-026 or 60-2544-027. (Teledyne Isco 605314396) Note: 200 ft. maximum length.	537.35	11.17
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4442	EA	SPA 1461. 2108 Power Cable. Spans the distance from 2108 and rest of stack. (Teledyne Isco 605314461) Note: Same as 602004219 50 ft. Power Node Cable, but built to length, per ft.	343.90	7.14
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4443	EA	SPA 1493. 2103 Modem Surge Protection. Includes surge protector with grounding strap, 50 ft. of cable with grounding plate to place on mounting ring of 2150. Contact factory for details if used with other Isco Instruments. (Teledyne Isco 605314493)	1,246.66	25.90
46 82 83 00-4444	EA	SPA 1519. Shallow Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in dry or shallow stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers or the standard profile AV sensor. (Teledyne Isco 605314519) Note: For a low profile A/V probe also order part number 60-3204-029. Approximately 15 inches in length from top to bottom.	447.08	9.29
46 82 83 00-4445	EA	SPA 1529. MODBUS Communications cable for use with 2100 System. Commonly used with TELOG 3307 System. Cable is built to length. (Teledyne Isco 605314529)	225.69	4.69
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4446	EA	SPA 1543. 10 watt solar panel and mounting bracket, without cable. Replaces 603004100. Connects with 603004097 cable. (Teledyne Isco 605314543)	1,407.87	29.25
46 82 83 00-4447	EA	SPA 1603. 2100 Y Cable. This cable connects to the bottom port of the 2100 series and provides two bottom connectors from single 2100 on 2 ft. cables. (Teledyne Isco 605314603)	496.51	10.31
46 82 83 00-4448	EA	SPA 1629. Solar Panel With Bracket, 110 Watt, For Use With Customer Supplied Battery; 12 Volt DC Deep-Cycle Or Lead-Acid Marine Battery, 100 Ampere Hours Or Greater Recommended. (Teledyne Isco 605314629) Note: Includes pole mount bracket and an 8' cable with two 5/16" terminal lugs for connection to lead acid battery. Does not include a 12 Volt DC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, use 60-5314-429 or 60-5314-456.	4,909.28	102.00
46 82 83 00-4449	EA	SPA 1825. Cable for connection to top of 2100 series, provides all pins as bare wire ends. Similar to 60-2004-219 only connects to top connector. Useful if 2108 is employed because the 2108 module utilizes the bottom connector of the 2100 series stack. (Teledyne Isco 605314825)	333.17	6.92
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4450	EA	SPA 1929. External Box Inputs Up To 8 Channels of 4-20 mA Analog Input Signals to Modbus Output Interface for 2105. Outdoor rated enclosure provides a single 10-foot cable with sixteen pig tail wires for up to eight 4-20 mA input signals and another 9-foot output cable for output connection to the 2105 side connector. (Teledyne Isco 605314929)	4,836.19	100.48
46 82 83 00-4451	EA	SPA 1933. 2100 Sampler Interface with contact closure output for non-Isco sampler or PLC. Powered from 2150/2110/2105 bottom connection. Dry contacts change state momentarily every 1,000 gallons or 5,000 liters depending on 2100 set-up. (Teledyne Isco 605314933)	803.89	16.70
46 82 83 00-4452	EA	SPA 1942. External Box Inputs Up To 4 Channels of 4-20 mA Analog Input Signals to SDI-12 convertor for the 2105. Outdoor rated enclosure provides four 10-foot cables with pig-tail wires for connection to four 4-20 mA input signals and a 9-foot cable for connection to the 2105 side connector. (Teledyne Isco 605314942)	4,492.28	93.34
46 82 83 00-4453	EA	2150EX Flow Module with 2196EX Battery Module and carrying handle. Includes AV2150EX sensor with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable. Zone 1 and Cl I, Div 1 approved. (Teledyne Isco 682000043)	16,236.71	337.35
46 82 83 00-4454	EA	2150EX Flow Module with AV2150EX probe, Zone 0 and Cl I, Div 1 approved. Requires a 2196EX Battery Module (Zone 1 and Cl I, Div1), or power from a 2194EX Network Interface Module (Zone 0). (Teledyne Isco 682000021) Note: May also be used as an add-on module for a 2150EX system (up to two 2150EX Flow Modules per stack).	13,440.31	279.25
46 82 83 00-4455	EA	2150EX Flow module only, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004330)	10,575.14	219.72
46 82 83 00-4456	EA	2196EX Battery Module only, Zone 1 and Cl I, Div 1 approved. Includes permanently-installed rechargeable batteries. (Teledyne Isco 602004540)	2,865.17	59.53
46 82 83 00-4457	EA	2194EX Network Interface Module, with up to 245' (75 m) CA75EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000037) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 Volt DC source rated for the power requirements. Customer must specify cable length (up to 245').	7,292.97	151.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4458	EA	2194EX Network Interface Module, with up to 490' (150 m) CA150EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000038) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 Volt DC source rated for the power requirements. Customer must specify cable length (up to 490').	7,479.98	155.41
46 82 83 00-4459	EA	2194EX Network Interface Module Only, Zone 0 approved. (Teledyne Isco 602004333) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. Requires a power source, Network Interface connector Kit (60-2004-468), and a 2100EX bottom plate.	5,618.58	116.74
46 82 83 00-4460	EA	AV2150EX Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004331)	2,929.65	60.87
46 82 83 00-4461	EA	AV2150EX-CTL Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 feet) level measurement range and 25 meter (82 ft), Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004334) Note: Contact factory for cable lengths less than 25 meters.	3,172.54	65.92
46 82 83 00-4462	EA	Charger for 2196EX Battery Module. (Teledyne Isco 682000044)	429.88	8.93
46 82 83 00-4463	EA	Cable assembly, 2196EX charger. (For use with Isco Model 963 or 965 battery chargers.) (Teledyne Isco 602004547)	210.65	4.38
46 82 83 00-4464	EA	RS232EX Isolator cable, 3 m, Zone 0 and Cl I, Div 1 approved. Connects to NET2EX or NET8EX network cable and personal computer D-Sub (Serial Port) connector located in safe area. (Teledyne Isco 602004339)	1,852.80	38.50
46 82 83 00-4465	EA	NET2EX Network Cable, 2 m, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004335) Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.	1,390.67	28.89
46 82 83 00-4466	EA	NET8EX Network cable, 8 m, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004336) Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.	1,171.43	24.34
46 82 83 00-4467	EA	RS485EX Isolator cable, 3 m, Zone 0 approved. (Teledyne Isco 602004340) Note: Connects to NET2EX or NET8EX network cable and to 2100 Series product located in safe area.	1,225.17	25.46
46 82 83 00-4468	EA	CA75EX Network Interface EX cable assembly, 75 meters for 2194EX and single or dual 2150EX, Zone 0 approved. (Teledyne Isco 602004337) Note: Contact factory for cable lengths less than 75 meters (246 feet).	932.84	19.38
46 82 83 00-4469	EA	CA150EX Network Interface EX cable assembly, 150 meters for 2194EX and single 2150EX, Zone 0 approved. (Teledyne Isco 602004338) Note: Contact factory for cable lengths less than 150 meters (492 feet).	1,367.02	28.41
46 82 83 00-4470	EA	2100EX Bottom Plate for 2194EX, 2191EX, and 2150EX, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 682000028)	451.37	9.38
46 82 83 00-4471	EA	2151 Flow System with two 6 Voly DC alkaline batteries, Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, carrying handle with suspension strap, RS232 Barrier Communication Cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000008) Note: Requires Flowlink software (sold separately).	13,945.43	289.75
46 82 83 00-4472	EA	2151 Flow System with two 6 Volt DC alkaline batteries. Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000009) Note: Requires Flowlink software and RS232 Barrier Communication Cable (both sold separately).	12,887.91	267.77
46 82 83 00-4473	EA	2151P Flow System. Includes 2100 Series Connect Cable and Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement handbook. (Teledyne Isco 682000011) Note: Requires Flowlink software (sold separately).	12,382.80	257.28
46 82 83 00-4474	EA	RS232 Communication/Barrier Cable, 25 ft. (7.6 m). Connects 2151 Area Velocity System to PC with 9 pin Serial port connector. (Teledyne Isco 602004153)	975.84	20.28
46 82 83 00-4475	EA	NTWK ISLTR HAZLOC Network Communication Isolator. Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area. DIN rail mounted. (Teledyne Isco 602004224) Note: Requires cable (CA ASSY CSA NTWK or CA ASSY CSA NTWK75) to connect to Isolator.	958.64	19.91
46 82 83 00-4476	EA	CA ASSY CSA NTWK Network Communication/Barrier Cable, 25 ft. (7.6 m). (Teledyne Isco 602004201) Note: Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area.	849.02	17.64
46 82 83 00-4477	EA	CA ASSY CSA NTWK75 Network communication/barrier cable, 75 ft. (23 m). (Teledyne Isco 602004263) Note: Connects 2151 area velocity flow system to 2100 series product located in the safe area.	1,089.75	22.65
46 82 83 00-4478	EA	Maintenance Kit for 2151 Flow System. Includes four O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, two O-rings for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009005)	113.92	2.37
46 82 83 00-4479	EA	Entity Rated Power Barrier. CSA approved power isolator. Converts 100-250 Volt AC to intrinsically-safe 12 Volt DC out. DIN rail mounted. (Teledyne Isco 341001201)	3,052.17	63.42
46 82 83 00-4480	EA	Dummy Barrier. Secures and terminates unused wires in the hazardous area. DIN rail mounted. (Teledyne Isco 109022008)	333.17	6.92
46 82 83 00-4481	EA	2151 Flow System Instruction Manual. (Teledyne Isco 602004162)	135.97	
46 82 83 00-4482	EA	Flowlink 5.1 Software, two user licenses. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules and 2101 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a variety of user-customizable graphs and tables. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. (Teledyne Isco 682540200)	4,417.06	91.77
46 82 83 00-4483	EA	Flowlink LE Software, single user license. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a graph and table of a single data series. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. Note that Flowlink LE does not support the 2101 Field Wizard, data editing, and graphs using multiple data series. If these functions are needed, order Flowlink 5.1 instead. (Teledyne Isco 682540201)	644.82	13.40
46 82 83 00-4484	EA	Flowlink 5.1 Software Lease, two user licenses for lease customers. Contact factory for pricing based on lease period. (Teledyne Isco 682540203)	4,417.06	91.77
46 82 83 00-4485	EA	Flowlink 5.1 Software, One additional user license. (Teledyne Isco 682540204)	838.27	17.41
46 82 83 00-4486	EA	Flowlink 5.1 software, two user licenses. Special pricing for Flowlink 5.0 users. (Teledyne Isco 682540209)	279.42	5.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4487	EA	Flowlink 5.1 Software. Special pricing to upgrade additional user licenses of Flowlink 5.0 previously purchased as catalog number 68-2540-204. (Teledyne Isco 682540275)	64.48	1.34
46 82 83 00-4488	EA	Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink 4 users. (Teledyne Isco 682540205)	1,719.53	35.72
46 82 83 00-4489	EA	Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink LE users. (Teledyne Isco 682540208)	3,825.97	79.49
46 82 83 00-4490	EA	Flowlink Pro software, two total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540276)	6,630.95	137.78
46 82 83 00-4491	EA	Flowlink Pro software, five total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540277)	15,486.56	321.77
46 82 83 00-4492	EA	Flowlink Pro software, eight total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540270)	22,128.26	459.76
46 82 83 00-4493	EA	Flowlink Pro software, fifteen total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but excluded. (Teledyne Isco 682540278)	36,518.61	758.75
46 82 83 00-4494	EA	Flowlink Pro Software, one additional license. (Teledyne Isco 682540271)	3,310.09	68.77
46 82 83 00-4495	EA	Flowlink Pro Software, special pricing for current Flowlink 5 users, eight total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-270 for current Flowlink 5 users. (Teledyne Isco 682540272)	17,700.45	367.76
46 82 83 00-4496	EA	Flowlink Pro Software, special pricing for current Flowlink 5 users, two total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-276 for current Flowlink 5 users. (Teledyne Isco 682540279)	2,213.90	46.00
46 82 83 00-4497	EA	accQpulse Shallow Water ADFM. Includes sensor with 15m (49 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. Replaces 687400010 when 10m cable inventory is depleted. (Teledyne Isco 687400015)	33,543.81	696.95
46 82 83 00-4498	EA	accQpulse Shallow Water ADFM. Includes sensor with 45 m (147 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. (Teledyne Isco 687400045)	35,746.96	742.72
46 82 83 00-4499	EA	accQpulse Deep Water ADFM. Includes sensor with 15m (49 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400315)	35,746.96	742.72
46 82 83 00-4500	EA	accQpulse Deep Water ADFM. Includes sensor with 45 m (147 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400345)	37,023.72	769.25
46 82 83 00-4501	EA	accQpulse electronics assembly. (Teledyne Isco 627400010)	25,777.97	535.59
46 82 83 00-4502	EA	IS shallow water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607404915)	7,821.73	162.52
46 82 83 00-4503	EA	IS shallow water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607404945)	9,779.86	203.19
46 82 83 00-4504	EA	IS deep water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607904915)	9,779.86	203.19
46 82 83 00-4505	EA	IS deep water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607904945)	11,929.27	247.86
46 82 83 00-4506	EA	RS232 Communication Cable, 10 ft. (3 m). Connects accQpulse, ADFM Box, or ADFM Canister with Amp connectors to PC with 9-pin serial port connector. (Teledyne Isco 607004057)	187.00	3.88
46 82 83 00-4507	EA	Wall/Console mounting kit, accQpulse electronics. (Teledyne Isco 607409001)	120.37	2.50
46 82 83 00-4508	EA	SPA 1939. Extension cable for accQpulse sensor. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314939)	1,526.09	31.71
		For Each LF Of AccQpulse Sensor Extension Cable, Add	*11.93*	
46 82 83 00-4509	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400115) Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.	38,216.65	794.03
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4510	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400145) Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.	40,709.97	845.84
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4511	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable,secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400215)	45,933.06	954.36
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4512	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400245)	48,877.75	1,015.55
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4513	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400415)	40,409.05	839.59
		Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4514	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400445)	42,923.87	891.84
		Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4515	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400515)	48,125.46	999.91
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4516	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400545)	51,070.17	1,061.09
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4517	EA	QBADFM Barrier Module without secondary pressure sensor support. (Teledyne Isco 607404023)	4,535.27	94.23
		Note: Base price includes module pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable. Specify the Q75EXT-CTL cable length on order. Total length of IS accQmin sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft).		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4518	EA	accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier Module 60-7404-023. Kit installs accQpulse Secondary Pressure Sensor Upgrade Kit (60-7407-001), Signal Barrier (109-0220-24) with mounting bracket, and cut-to-length P75EXT-CTL secondary pressure sensor extension cable. (Teledyne Isco 687400107)	2,106.44	43.77
		Note: Specify cable lengths on order. Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Requires IS secondary pressure sensor for accQpulse at desired cable length and depth range, ordered separately.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
46 82 83 00-4519	EA	QBADFM Barrier Module with secondary pressure sensor support. (Teledyne Isco 607404022)	6,577.23	136.66
		Note: Module includes accQpulse Secondary Pressure Sensor Factory Upgrade 68-7400-107. Module is pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable and cut-to-length P75EXT-CTL barrier to pressure sensor extension cable. Specify cable lengths on order. Total length of each pair of sensor cable plus extension cable cannot exceed 75 m (245 ft).		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4520	EA	accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier. (Teledyne Isco 607407001)	451.37	9.38
		Note: Allows use of any "MTL 700" barrier. Includes components to field upgrade IS accQpulse barrier for the secondary pressure option. Kit includes stand-alone signal barrier mounting bracket, scaling resistor, label, and input cable. Order the signal barrier, secondary pressure sensor, and P75EXT-CTL secondary pressure sensor extension cable separately as needed.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4521	EA	Q75EXT-CTL IS accQpulse sensor extension cable, custom length. (Teledyne Isco 607404975) Note: Base price includes 1 m (3 ft). Total length of IS accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.	558.86	11.61
		For Each LF Of AccQpulse Sensor Extension Cable, Add	*11.93*	
46 82 83 00-4522	EA	P75EXT-CTL secondary pressure sensor extension cable, custom length. (Teledyne Isco 607404875) Note: Base price includes 1 m (3 ft). Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.	257.93	5.35
		For Each LF Of Extension Cable, Add	*2.22*	
46 82 83 00-4523	EA	Signal Barrier replacement, MTL700 Series Analog 4-20. Stand-alone signal barrier for secondary pressure sensor. (Teledyne Isco 109022024)	784.54	16.31
46 82 83 00-4524	EA	Power Supply Kit, 18 Volt DC chassis mount, for IS accQpulse installations. (Teledyne Isco 607404028) Note: This 30 watt power supply accepts universal AC input (100-240 Volt AC 50/60 Hz) at wire terminals and includes cable and connector for accQpulse electronics. Voltage suitable for accQcomm power. For DIN rail mounting use 109022025 mounting bracket.	363.26	7.55
46 82 83 00-4525	EA	SPA 1905, DC 24 Volt - 18 Volt power cable pigtail for IS accQpulse systems with Amp connector. (Teledyne Isco 605314905) Note: Provides recommended 18 Volt DC from user supplied - 24 Volt DC supplies.	343.90	7.14
46 82 83 00-4526	EA	ADFM Pro20-HTI-Box. (Teledyne Isco 687200006) Note: Includes hot tap insertion sensor with 15 m (49 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual.	51,169.04	1,063.15
46 82 83 00-4527	EA	ADFM Pro20-HTI-Box. (Teledyne Isco 687200016) Note: Includes hot tap insertion sensor with 30 m (98 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual.	51,222.77	1,064.26
46 82 83 00-4528	EA	ADFM Pro20-Box. Replacement electronics in NEMA 4X (IP66) box housing. (Teledyne Isco 627100005)	27,925.23	580.21
46 82 83 00-4529	EA	Hot Tap Insertion sensor with 15 m (49 ft.) cable. (Teledyne Isco 607004077)	22,648.41	470.57
46 82 83 00-4530	EA	Hot Tap Insertion sensor with 30 m (98 ft.) cable. (Teledyne Isco 607004078)	23,486.68	487.99
46 82 83 00-4531	EA	RS232 Communication Cable, 10 ft. (3 m). Connects ADFM Canister with Crown connector to PC with 9-pin serial port connector. (Teledyne Isco 607004027)	232.14	4.83
46 82 83 00-4532	EA	SPA 1677. Cut to Length cable and custom length shaft Hot Tap, Specify shaft length (max 1.52 m/60 inches) and cable length (max 30 m/98 feet). (Teledyne Isco 605314677)	25,083.71	521.16
46 82 83 00-4533	EA	H-ADFM 1200. 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS232 personality module (Teledyne Isco 687300232) Note: Includes 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual.	46,266.22	961.28
46 82 83 00-4534	EA	H-ADFM 1200. 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS422 personality module (Teledyne Isco 687300422) Note: Includes 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual.	45,137.78	937.83
46 82 83 00-4535	EA	H-ADFM slide mount kit. (Teledyne Isco 607309001) Note: Kit includes spacers, top and bottom mounting brackets, mounting feet, and hardware. Customer must supply rails.	937.14	19.48
46 82 83 00-4536	EA	accQcomm Digital Interface Module. (Teledyne Isco 687500010)	4,451.45	92.49
46 82 83 00-4537	EA	accQcomm Digital Interface Module with one 4-20 mA output. (Teledyne Isco 687500011)	4,758.81	98.87
46 82 83 00-4538	EA	accQcomm Digital Interface Module with two 4-20 mA outputs. (Teledyne Isco 687500012)	5,111.32	106.20
46 82 83 00-4539	EA	accQcomm Digital Interface Module with three 4-20 mA outputs. (Teledyne Isco 687500013)	5,453.07	113.30
46 82 83 00-4540	EA	accQcomm Digital Interface Module with four 4-20 mA outputs. (Teledyne Isco 687500014)	5,805.58	120.63
46 82 83 00-4541	EA	SPA 1719. for mounting the accQcomm module remote from an ADFM or accQpulse. (Teledyne Isco 605314719) Note: Includes RS-232 to RS-422 converter, NEMA 4X enclosure, power cable, and cut-to-length RS232 signal cable.	975.84	20.28
		For Each LF Of RS232 Signal Cable, Add	*7.05*	
46 82 83 00-4542	EA	Power Supply Kit, 24 Volt DC, for analog output modules. (Teledyne Isco 607009001) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in a connector compatible with the jack on the analog output module circuit board. (Kit included with analog output module)	128.96	2.68
46 82 83 00-4543	EA	Power Supply Kit, 24 Volt DC, for accQcomm. (Teledyne Isco 607504017) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in individual conductors prepared for wiring into the accQcomm DC +/- terminals. (Kit included with accQcomm)	154.76	3.21
46 82 83 00-4544	EA	Power Supply Kit, 24 Volt DC, for accQpulse/ADFM. (Teledyne Isco 607504018) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 Volt AC, 50-60 Hz). Power supply cable terminates in a connector compatible with the DC power supply connector on the accQmin, ADFM box electronics assembly, or ADFM canister electronics assembly with Amp connectors. (Not required if used with accQcomm)	208.50	4.33
46 82 83 00-4545	EA	Power Supply Kit, 24 Volt DC, for non-IS ADFM canister. (Teledyne Isco 607104011) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 Volt AC, 50-60 Hz). Power supply cable terminates in a connector compatible with the DC power supply connector on the non-IS ADFM canister with Crown connectors. (Not required if used with accQcomm)	204.19	4.24
46 82 83 00-4546	EA	Power supply, 24 Volt DC DIN Rail Mount. (Teledyne Isco 109022019) Note: This 45 watt power supply accepts universal AC input (100-240 Volt AC) and 24 Volt DC at 2 amperes maximum. Includes short circuit, overload, over voltage, and over temperature protection.	225.69	4.69
46 82 83 00-4547	EA	ADFM Sensor Debris Fairing Kit, 3-inch lift. (Teledyne Isco 607004042)	2,534.17	52.65
46 82 83 00-4548	EA	ADFM Sensor Debris Fairing Kit Spacer, 1-inch lift. (Teledyne Isco 607004043)	720.05	14.96
46 82 83 00-4549	EA	ADFM Sensor Debris Fairing Kit Spacer, 2-inch lift. (Teledyne Isco 607004044)	838.27	17.41
46 82 83 00-4550	EA	ADFM Sensor Debris Fairing Kit Spacer, 4-inch lift. (Teledyne Isco 607004045)	1,106.95	23.00
46 82 83 00-4551	EA	Hardware Kit, ADFM fairing/spacer. (Teledyne Isco 607619001) Note: Kit includes all hardware required to mount the ADFM sensor to the fairing and/or spacers and secure the fairing/spacers to the mounting rings. Kit accommodates up to 8 inches total fairing/spacer height. If greater height is required use multiple kits.	881.26	18.31
46 82 83 00-4552	EA	Deep Water accQpulse Sensor Debris Fairing Kit, 3-inch lift (Teledyne Isco 60-7404-046)	1,321.89	27.46
46 82 83 00-4553	EA	Deep Water accQpulse Sensor Debris Fairing only, 3-inch lift (Teledyne Isco 607403040)	1,278.91	26.57
46 82 83 00-4554	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 1-inch lift (Teledyne Isco 607004090)	1,440.11	29.92
46 82 83 00-4555	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 2-inch lift (Teledyne Isco 607004091)	1,450.86	30.14
46 82 83 00-4556	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 4-inch lift (Teledyne Isco 607004092)	1,461.60	30.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4557	EA	accQpulse shallow water flow conditioning platform for 8-inch round pipe. (Teledyne Isco 607404002)	2,213.90	46.00
46 82 83 00-4558	EA	accQpulse shallow water flow conditioning platform for 12-inch round pipe. (Teledyne Isco 607404003)	2,269.79	47.16
46 82 83 00-4559	EA	accQpulse shallow water flow conditioning platform for 18-inch round pipe. (Teledyne Isco 607404004)	2,213.90	46.00
46 82 83 00-4560	EA	accQpulse shallow water flow conditioning platform for 24-inch round pipe. (Teledyne Isco 607404005)	2,213.90	46.00
46 82 83 00-4561	EA	SPA 1763. Custom-length pressure sensor for accQpulse. (Teledyne Isco 605314763) Note: Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order.	4,594.38	95.46
46 82 83 00-4562	EA	Secondary Pressure (depth) sensor for IS accQmin with 15 meter (49 ft) cable. Specify depth range (psi). (Teledyne Isco 607404815)	5,055.43	105.03
46 82 83 00-4563	EA	Secondary Pressure (depth) sensor for IS accQmin with 45 meter (147 ft) cable. Specify depth range (psi). (Teledyne Isco 607404845)	5,147.85	106.95
46 82 83 00-4564	EA	Secondary Depth Sensor, Custom length, for Intrinsically-safe accQpulse. (Teledyne Isco 607404899) Note: Specify cable length (max 250' meters maximum) at time of order. Specify maximum pressure rating at time of order.	5,362.79	111.42
46 82 83 00-4565	EA	Ultrasonic Secondary Depth System for ADFM and accQpulse. Isco 3010 ultrasonic flow meter, sensor with custom-length interface cable, and sensor mounting bracket (Teledyne Isco 685304008) Note: Specify cable length (250 ft. or 76.2 meters maximum) when ordering.	4,739.47	98.48
46 82 83 00-4566	EA	accQpulse Console, 115/230 Volt AC, Without Heater. Dimensions (L x W x D): 24 x 24 x 10 inches (61 x 61 x 25 cm). (Teledyne Isco 607404017)	5,375.69	111.69
46 82 83 00-4567	EA	ADFM/accQpulse Console, 115 Volt AC, Without Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800015)	8,350.49	173.50
46 82 83 00-4568	EA	ADFM/accQpulse Console, 115 Volt AC, With 400 Watt Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800415)	9,186.61	190.87
46 82 83 00-4569	EA	ADFM/accQpulse Console, 115 Volt AC, With 800 Watt Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800815)	9,309.12	193.42
46 82 83 00-4570	EA	ADFM/accQpulse Console, 230 Volt AC, without heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800023)	8,146.29	169.26
46 82 83 00-4571	EA	ADFM/accQpulse Console, 230 Volt AC, with 400 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800423)	8,963.08	186.23
46 82 83 00-4572	EA	ADFM/accQpulse Console, 230 Volt AC, with 800 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800823)	9,081.29	188.69
46 82 83 00-4573	EA	DC power cable pigtail for accQpulse, ADFM Box, and ADFM canister with Amp connectors (Teledyne Isco 607004062)	133.27	2.77
46 82 83 00-4574	EA	DC power cable pigtail for ADFM canister with Crown connectors (Teledyne Isco 607004041)	133.27	2.77
46 82 83 00-4575	EA	ADFM/accQpulse suspension harness kit. (Teledyne Isco 607109002)	221.38	4.60
46 82 83 00-4576	EA	SPA 1788. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. 2150 used for normal flow conditions and ADFM for high flow conditions. (Teledyne Isco 605314788) Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in a NEMA 4X box this unit is suitable as an accessory for in-field units.	1,140.26	23.69
46 82 83 00-4577	EA	SPA 1804. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. Interface is internal to ADFM. Internal version of SPA 1788. 2150 used for normal flow conditions and ADFM for high flow conditions.(Teledyne Isco 605314804) Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in the ADFM unit this accessory must be ordered along with the ADFM or contact factory for details.	1,140.26	23.69
46 82 83 00-4578	EA	SPA 1936. Extension cable for ADFM sensor, cut to length. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314936)	1,526.09	31.71
		For Each LF Of Extension Cable For ADFM Sensor, Add	*15.45*	
46 82 83 00-4579	EA	Flowlink Global One year Subscription for ONE database access (Teledyne Isco 682540280)	2,579.31	53.59
46 82 83 00-4580	EA	Flowlink Global One year Subscription for TEN database access (Teledyne Isco 682540283)	18,055.12	375.14
46 82 83 00-4581	EA	Flowlink Global One year Subscription for TWENTY FIVE database access (Teledyne Isco 682540286)	32,241.26	669.88
46 82 83 00-4582	EA	Flowlink Global One year Renewal Subscription for ONE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540281)	2,192.40	45.56
46 82 83 00-4583	EA	Flowlink Global One year Renewal Subscription for TEN database access.Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540284)	15,346.84	318.86
46 82 83 00-4584	EA	Flowlink Global One year Renewal Subscription for TWENTY FIVE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540287)	27,405.08	569.40
46 82 83 00-4585	EA	Sampler/flow meter cable, 10 ft., connects to sampler or flow meter. (Teledyne Isco 602544025)	255.78	5.31
46 82 83 00-4586	EA	Computer cable, 3 ft. Connects to computer, for computer with 9-pin connector. (Teledyne Isco 602544026)	189.15	3.93
46 82 83 00-4587	EA	Interrogator/Solar Panel extension cable, 25 ft. Connects between Sampler/flow meter cable (60-2544-025) and computer cable (60-2544-026 or 60-2544-027) to increase the distance between the sampler or flow meter and computer. Multiple extensions, up to four, may be used. (Teledyne Isco 602544028)	202.05	4.20
46 82 83 00-4588	EA	RTD extension cable. 25 ft., connects to flow meter or sampler and allows 581 RTD to retrieve data from an instrument located in a manhole or similar inaccessible location in which you cannot connect the RTD directly to the instrument. Multiple extension cables may be connected together. (Teledyne Isco 603774012)	247.18	5.13
46 82 83 00-4589	EA	581 RTD instruction manual. (Teledyne Isco 609003085)	61.80	
46 82 83 00-4590	EA	6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 686710148)	4,846.94	100.70
46 82 83 00-4591	EA	Sensor carrier for attaching DO and temperature probes to Isco Mounting Rings. (Teledyne Isco 603204006)	113.92	2.37
46 82 83 00-4592	EA	Sensor carrier for attaching temperature probe only to Isco Mounting Rings. (Teledyne Isco 603204010)	101.02	2.10
46 82 83 00-4593	EA	ADFM/accQpulse Sensor and Fairing Mounting Plate. Mounts sensor to channel bottom with or without a fairing and spacers (ordered separately). 11" x 17" (Teledyne Isco 607613003)	253.63	5.27
46 82 83 00-4594	EA	Partial Ring for 54 inch and larger pipes. (Teledyne Isco 683000063) Note: Includes base section, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions.	1,220.87	25.37
46 82 83 00-4595	EA	Scissors Ring scissors mechanism only. (Teledyne Isco 603004170)	599.69	12.47
46 82 83 00-4596	EA	Street Level Installation Tool Multi-section pole. (Teledyne Isco 603204012) Note: Includes one 2-1/2 ft. pole section with adapter for attaching mounting ring, six 2-1/2 ft. pole sections, and instruction manual.	1,504.59	31.26
46 82 83 00-4597	EA	Street Level Installation Tool Mounting Ring for 6 inch diameter pipe. (Teledyne Isco 603204014) Note: Includes strap.	524.45	10.90
46 82 83 00-4598	EA	Street Level Installation Tool Mounting Ring for 8 inch diameter pipe. (Teledyne Isco 603204015) Note: Includes strap.	524.45	10.90
46 82 83 00-4599	EA	Street Level Installation Tool Mounting Ring for 10 inch diameter pipe. (Teledyne Isco 603204016) Note: Includes strap.	524.45	10.90
46 82 83 00-4600	EA	Street Level Installation Tool Mounting Ring for 12 inch diameter pipe. (Teledyne Isco 603204017) Note: Includes strap.	524.45	10.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4601	EA	Street Level Installation Tool Mounting Ring for 15 inch diameter pipe. (Teledyne Isco 603204018) Note: Includes strap.	524.45	10.90
46 82 83 00-4602	EA	SPA 1307. 4-inch Street Level Mounting Ring (Teledyne Isco 605314307) Note: For use with low profile sensors. Ring only, excludes poles.	631.93	13.13
46 82 83 00-4603	EA	SPA 1989. 5-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 5 inch pipes. Ring only, excludes poles. (Teledyne Isco 605314989)	666.32	13.85
46 82 83 00-4604	EA	SPA 1831. 7-inch Street Level Mounting Ring (Teledyne Isco 605314831) Note: For use with low profile sensors. Ring only, excludes poles.	631.93	13.13
46 82 83 00-4605	EA	SPA 1305. 9-inch Street Level Mounting Ring. (Teledyne Isco 605314305) Note: Similar to our street level mounting rings, but for 9 inch pipes. Ring only, excludes poles.	631.93	13.13
46 82 83 00-4606	EA	SPA 2035. 14-inch Street Level Mounting Ring. (Teledyne Isco 605324035) Note: Similar to our street level mounting rings, but for 14 inch pipes. Ring only, excludes poles.	960.79	19.96
46 82 83 00-4607	EA	SPA 1767. 18-inch Street Level Mounting Ring. (Teledyne Isco 605314767) Note: Similar to our street level mounting rings, but for 18 inch pipes. Ring only, excludes poles.	945.74	19.65
46 82 83 00-4608	EA	SPA 928. 674 Rain Gauge Extension Cable, cut to length. Connects to existing 50 ft. cable on 674 Rain Gauges. Total length should not exceed 1,000 ft. Specify length when ordering. (Teledyne Isco 605304928) Note: When ordering a new rain gauge, the standard 50 ft. cable can be increased without the use of this extension cable. Use 60-5304-781.	225.69	4.69
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4609	EA	SPA 729 Rain Gauge Actuator for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (excluded) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304729) Note: This total of rainfall before sampler enable can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 729 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style flow meter port) or adaptor 60-5314-704 (5800/4700 to 6712 style flow meter port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.	990.89	20.58
46 82 83 00-4610	EA	SPA 739 Rain Gauge Actuator With Total Rainfall Display for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (excluded) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304739) Note: This total of rainfall before sampler enable occurs can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 739 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. A resettable digital totalizer mounted in the front panel displays the total amount of bucket tips. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style flow meter port) or adaptor 60-5314-704 (provides 6712 style flow meter port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.	1,115.55	23.17
46 82 83 00-4611	EA	SPA 822. Extra set of contacts for Model 674 Rain Gauge. Necessary if connecting to additional non-Isco device. Also required is 50 ft. rain gauge connect cable 60-3004-149 or cut to length version 60-5304-781. (Teledyne Isco 605304822)	580.34	12.06
46 82 83 00-4612	EA	Rain Logging System, 0.01 inch. (Teledyne Isco 683280002) Note: Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 50 ft. of connect cable.	3,535.79	73.47
46 82 83 00-4613	EA	Rain Logging System, 0.1 mm. (Teledyne Isco 683280003) Note: Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 15.25 m of connect cable.	4,021.56	83.55
46 82 83 00-4614	EA	SPA 781. Modification to 674 Rain Gauge for Custom Cable Length. Modifies the 674 rain gauge to have a custom length cable for connection to the 4100/4200 flow meter or 6712 sampler. (Teledyne Isco 605304781) Note: May be ordered in tandem with the 674 rain gauge or easily installed on an existing 674 rain gauge. May also be employed with the 676 Rain Logging System. Maximum length of 1,000 ft. For the 677 Rain Logging System use custom length cable part number 60-5314-752.	70.93	1.47
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4615	EA	SPA 865. Stainless Steel Wall Mounting Bracket for 676 rainfall logger. Allows logger to be mounted to panel or wall. (Teledyne Isco 605304865)	425.59	8.84
46 82 83 00-4616	EA	677 Rain logging system, 0.01 inch. (Teledyne Isco 682000051) Note: Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable.	6,749.17	140.22
46 82 83 00-4617	EA	677ci Rain Logging System 0.01 inch/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000100)	9,070.54	188.46
46 82 83 00-4618	EA	677ci Rain Logging System 0.1 mm/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000101)	9,070.54	188.46
46 82 83 00-4619	EA	677 Rain logging system, 0.1 mm. (Teledyne Isco 682000054) Note: Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable.	6,749.17	140.22
46 82 83 00-4620	EA	677g Rain logging system, 0.1 mm, with GSM/GPRS cellular modem communication. (Teledyne Isco 682000056) Note: Includes 674 tipping bucket rain gauge, 2105g GSM/GPRS Network Interface module, 2191 Battery Module, carrying handle, magnet mount antenna, maintenance kits, and 2105 to 674 rain gauge connect cable.	9,070.54	188.46
46 82 83 00-4621	EA	SPA 1752 Custom length Cable for connection between 2105 and 674 rain gauge. May be easily installed on an existing 674 rain gauge. (Teledyne Isco 605314752) Note: Maximum length of 1,000 ft.	397.65	8.26
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4622	EA	Model 934 Nickel-Cadmium Battery. Rechargeable, 12 Volt DC, 4 amp-hours. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 601684040) Note: Recharge using Model 961 or 965 battery charger.	565.30	11.74
46 82 83 00-4623	EA	Model 961 Battery Charger. Powered by 120 Volt AC, 60 Hertz. (Teledyne Isco 603004059) Note: For charging Isco 934 Nickel-Cadmium Batteries one at a time.	253.64	5.27
46 82 83 00-4624	EA	Model 965 Five-Station Battery Charger with European 240 Volt AC power cord. (Teledyne Isco 683000966) Note: Powered by 120 or 240 Volt AC, 50/60 Hertz (user-switched). CE Approved. Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously.	1,491.69	30.99
46 82 83 00-4625	EA	Connect cable, solar panel to sampler or flow meter, 25 ft. For connecting solar panel, battery, and sampler or flow meter. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 603004097) Note: This is for 10 watt solar panels only, panel not included.	354.66	7.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4626	EA	Solar panel connect cable, 25 ft. For use with Isco 4100 Series Flow Loggers only. For connecting solar panel, battery, and Flow Logger. (Teledyne Isco 603114010) Note: Compatible with 10 watt solar panels only, panel not included.	337.46	7.01
46 82 83 00-4627	EA	Solar panel 'Y' cable, 6' (Teledyne Isco 603004098) Note: For connecting solar panels in parallel. Compatible with 10 watt solar panels only, panel not included.	279.42	5.80
46 82 83 00-4628	EA	Connect cable for external 12 Volt DC source. Six ft. cable for powering Isco flow loggers from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. (Teledyne Isco 603114016) Note: For use with 4100 Series Flow Loggers Only.	187.00	3.88
46 82 83 00-4629	EA	Flow Logger external power connect cable. Connects Flow Logger to external Isco power source with two-pin Amphenol connector, such as an Isco Power Pack. (Teledyne Isco 603114002)	187.00	3.88
46 82 83 00-4630	EA	SPA 1478. Solar Panel Lead-acid Battery Charger, 10 watt. (Teledyne Isco 605314478) Note: Directly charges Isco 946 and 948 12 Volt DC batteries. 947 battery requires 603114015. Do NOT charge NiCad Batteries with this charger. Includes pole mount bracket and 25 ft. connect cable. Not recommended for non-Isco batteries. Use SPA 1629 or SPA 1347 for higher output solar panels recommended for use with non-Isco batteries.	1,624.96	33.76
46 82 83 00-4631	EA	SPA 1834. Current Solar Panel Regulator for all 10 watt and 40 watt solar panels. Model SK-6 voltage regulator. Not encased, for installation into existing junction box on solar panels. (Teledyne Isco 605314834) Note: This item is normally purchased for spare, replacement, or troubleshooting. May require alteration to junction box of solar panel.	208.50	4.33
46 82 83 00-4632	EA	Solar panel instruction manual. (Teledyne Isco 603003269)	37.08	
46 82 83 00-4633	EA	SPA 1061. Isco to Sigma flow meter to sampler connect cable, built to length. Allows for flow pacing and event marks. To enable/disable a Sigma sampler from an Isco flow meter see SPA 788. Maximum length is 1,000 ft. (Teledyne Isco 605314061) Note: Power supplies for the sampler and the flow meter must be separate. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.	206.34	4.29
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4634	EA	SPA 1520. Modification to a 6712 full-size portable sampler's center section to replace the stainless steel bulkhead fitting with a PEEK fitting. Provides the connection between the pump tube and the discharge tube. This PEEK bulkhead fitting is often used when sampling trace metals. (Teledyne Isco 605314520) Note: This item may be installed as a field kit. Use also PTFE-coated strainer 60-5304-820 and PEEK tubing coupler 60-5304-983.	436.32	9.06
46 82 83 00-4635	EA	SPA 1556. SDI-12 Cable Assembly for 6712 sampler, terminates in pigtails. Connects to the 6712's I/O, Rain Gauge port. Built to customer desired length. (Teledyne Isco 605314556)	236.43	4.92
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4636	EA	SPA 1411. Heavy-duty modem connect cable, cut-to-length. Connects to 5-pin internal modem connector, other end is unterminated. Cable jacket is suitable for burying or routing through manholes. Specify length when ordering. (Teledyne Isco 605314411)	268.68	5.59
		For Each LF Of Heavy-duty Modem Connect Cable, Add	*4.86*	
46 82 83 00-4637	EA	SPA 1607. Suspension hardware. Used to hang the 2110 Ultrasonic sensor by its cable over the measuring point. Hardware keeps the sensor level. (Teledyne Isco 605314607) Note: Not for use in areas subject to wind.	814.63	16.93
46 82 83 00-4638	EA	SPA 588. Enclosure Heater. Provides a 30 watt, thermostatically controlled heater for the Signature (not portable) flow meters. Powered by its own AC line cord, this option will extend the useful function of the flow meter display. (Teledyne Isco 605304588)	1,128.45	23.45
46 82 83 00-4639	LF	SPA 121. Three conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304121)	3.27	0.07
46 82 83 00-4640	LF	SPA 260. Two conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304260)	4.68	0.10
46 82 83 00-4641	EA	SPA 1016. Area Velocity Simulator. This simulator used with 4150, 4250, and 750 modules to create a fixed, artificial velocity and level reading. (Teledyne Isco 605314016) Note: Used for field/lab testing and troubleshooting.	915.65	19.02
46 82 83 00-4642	EA	SPA 1071. Extension Cable for 581 Rapid Transfer Device (RTD), built to length. This cable would be used when access to the Isco 6712/Avalanche sampler is limited, yet RTD interrogation is desired. (Teledyne Isco 605314071) Note: A maximum of 200 ft. of cable can be routed to a point convenient for connection to the RTD. Not for use with 5800/4700 or sampler or flow meter with internal modem.	167.66	3.48
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-4643	EA	SPA 1125. 6700 Series Sampler YSI 600 Sonde Adapter cable, built to length. (Teledyne Isco 605314125) Note: This cable is the same as 60-0604-001, but in a cut to length version, with a maximum length of 200 ft. Connects to YSI field cable, and to YSI units with integral connect cable. Please specify length when ordering. For 6712 sampler use SPA 1400 for non-600 Sonde adapter cable.	219.24	4.56
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4644	EA	SPA 1308. Single bottle, 10-liter size, poly with lids. This is the bottle used with SPA 1012. To achieve set of four bottles order (4x) 60-5314-308. (Teledyne Isco 605314308)	58.03	1.21
46 82 83 00-4645	EA	SPA 1730. Custom-length pressure sensor for ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314730)	4,594.38	95.46
46 82 83 00-4646	EA	SPA 1762. Custom-length pressure sensor for Intrinsically-safe ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314762)	4,594.38	95.46
46 82 83 00-4647	LF	SPA 720. PTFE Bubble Line, 1/16-inch ID, per ft. Comes with two silicon end tubes. Maximum available length is 200 ft. (Teledyne Isco 605304720)	6.66	0.14
46 82 83 00-4648	EA	SPA 840. 720 Module Interface to allow 4-20 mA input. This interface replaces the level sensor and allows an isolated 4-20 mA signal representing level or flow to be recorded by the 720. The 720 is programmed with a linear equation to allow proper reading of the 4-20 mA input. (Teledyne Isco 605304840)	1,986.06	41.27
46 82 83 00-4649	EA	SPA 1356. External Modem, CE approved, DC powered, for use with Isco instruments. (Teledyne Isco 605314356) Note: Compliant with phones systems around the world. Cable to connect to interrogator port is included. Not intended for use with 2100 systems. Modem software included. Modem would require recasing at additional charge if to be used in wet environment.	2,529.87	52.57
46 82 83 00-4650	EA	SPA 1508. Sample Initiation Alarm with Auto Reset. Serves to provide an alarm at a predetermined total flow for customers with daily discharge limits. Counts sample initiation signals and triggers a FORM C relay when total is reached. Auto resets at customer determined interval. (Teledyne Isco 605314508)	4,111.84	85.43
46 82 83 00-4651	EA	SPA 1563. GSM Cell Phone Modem Package. (Teledyne Isco 605314563) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Connects to 4100/4200 flow meters and 6712 samplers. Text message output capable for 6712 samplers. Primarily for use in overseas and select U.S. markets.	5,235.98	108.79
46 82 83 00-4652	EA	Dura Tracker + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800001) Note: Requires Flowlink software and computer connect cable (sold separately).	7,093.08	147.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4653	EA	Dura Tracker without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800002) Note: Requires Flowlink software and computer connect cable (sold separately).	5,373.54	111.65
46 82 83 00-4654	EA	Dura Tracker + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800011) Note: Requires Flowlink software and computer connect cable (sold separately).	9,135.02	189.79
46 82 83 00-4655	EA	Dura Tracker without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800012) Note: Requires Flowlink software and computer connect cable (sold separately).	7,415.48	154.07
46 82 83 00-4656	EA	Dura Tracker + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800021) Note: Requires Flowlink software and computer connect cable (sold separately).	9,135.02	189.79
46 82 83 00-4657	EA	Dura Tracker without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800022) Note: Requires Flowlink software and computer connect cable (sold separately).	7,415.48	154.07
46 82 83 00-4658	EA	TIENet 350 + 10 m cable with TIENet plug (Teledyne Isco 604854004)	3,976.42	82.62
46 82 83 00-4659	EA	TIENet 350 + 23 m cable with TIENet plug (Teledyne Isco 604854005)	4,159.12	86.42
46 82 83 00-4660	EA	TIENet 350 + CTL m cable with TIENet plug (Teledyne Isco 604854006)	3,976.42	82.62
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4661	EA	TIENet 305 + 5 m cable with TIENet plug (Teledyne Isco 604804018)	2,686.77	55.83
46 82 83 00-4662	EA	In-pipe mounting for TIENet 310 Ultrasonic using Isco mounting ring. (Teledyne Isco) Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).	795.29	16.53
46 82 83 00-4663	EA	6 Volt DC, Alkaline Lantern Battery. Non-rechargeable (Teledyne Isco 340-2006-02) Note: For use with Isco DuraTracker, 2191 Battery Module (2 required) or 4100 Series Flow Loggers (2 required).	60.18	1.25
46 82 83 00-4664	EA	Dura TrackerEx + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800101) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	7,737.91	160.77
46 82 83 00-4665	EA	Dura TrackerEx without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800102) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	6,018.37	125.05
46 82 83 00-4666	EA	Dura TrackerEx + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800111) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	9,887.32	205.43
46 82 83 00-4667	EA	Dura TrackerEx without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800112) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	8,167.79	169.71
46 82 83 00-4668	EA	Dura TrackerEx + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800121) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	9,887.32	205.43
46 82 83 00-4669	EA	Dura TrackerEx without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800122) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	8,167.79	169.71

46 82 83 00-4670 Data Acquisition Unit *(46 82 83 00-0001)*

46 82 83 00-4671 Eurotherm Data Acquisition Units *(46 82 83 00-4670)*

Note: Price is for base unit See CSI section 46 82 83 00-4686 for all applicable add-on features.

46 82 83 00-4672	EA	Data Acquisition Unit 6 Channels Eurotherm Data Acquisition 5000B	4,278.09
46 82 83 00-4673	EA	Data Acquisition Unit 12 Channels Eurotherm Data Acquisition 5000B	5,209.50
46 82 83 00-4674	EA	100mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5100V	5,052.08
46 82 83 00-4675	EA	100mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5100V	6,232.75
46 82 83 00-4676	EA	100mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5100V	7,413.41
46 82 83 00-4677	EA	180mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5180V	7,675.78
46 82 83 00-4678	EA	180mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5180V	8,725.26
46 82 83 00-4679	EA	180mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5180V	9,774.74
46 82 83 00-4680	EA	180mm Data Acquisition Unit Accessories 18 Channels Eurotherm Data Acquisition 5180V	10,824.22
46 82 83 00-4681	EA	180mm Data Acquisition Unit Accessories 24 Channels Eurotherm Data Acquisition 5180V	11,873.70
46 82 83 00-4682	EA	180mm Data Acquisition Unit Accessories 30 Channels Eurotherm Data Acquisition 5180V	13,101.01
46 82 83 00-4683	EA	180mm Data Acquisition Unit Accessories 36 Channels Eurotherm Data Acquisition 5180V	14,150.49
46 82 83 00-4684	EA	180mm Data Acquisition Unit Accessories 42 Channels Eurotherm Data Acquisition 5180V	15,199.97
46 82 83 00-4685	EA	180mm Data Acquisition Unit Accessories 48 Channels Eurotherm Data Acquisition 5180V	16,249.45

46 82 83 00-4686 Eurotherm Data Acquisition Unit Add-ons *(46 82 83 00-4670)*

Note: Prices as add-ons to base unit See CSI section 46 82 83 00-4671 for base unit.

46 82 83 00-4687	EA	16Mb Flash Card, For Eurotherm Data Acquisition Unit	196.78
46 82 83 00-4688	EA	32Mb Flash Card, For Eurotherm Data Acquisition Unit	236.13
46 82 83 00-4689	EA	64Mb Flash Card, For Eurotherm Data Acquisition Unit	301.73
46 82 83 00-4690	EA	256Mb Flash Card, For Eurotherm Data Acquisition Unit	865.82
46 82 83 00-4691	EA	512Mb Flash Card, For Eurotherm Data Acquisition Unit	1,443.04
46 82 83 00-4692	EA	1Gb Flash Card, For Eurotherm Data Acquisition Unit	2,886.07
46 82 83 00-4693	EA	3 Form C Relay Option Card (1Pcb), For Eurotherm Data Acquisition Unit	550.98
46 82 83 00-4694	EA	RS232 or RS484 Serial Comms Option Card, For Eurotherm Data Acquisition Unit	446.03
46 82 83 00-4695	EA	6 Event Inputs (1 Card), For Eurotherm Data Acquisition Unit	472.27
46 82 83 00-4696	EA	Shuns, For Eurotherm Data Acquisition Unit	28.86
46 82 83 00-4697	EA	Attenuator, For Eurotherm Data Acquisition Unit	55.10
46 82 83 00-4698	EA	External Power Supply, For Eurotherm Data Acquisition Unit	550.98
46 82 83 00-4699	EA	12 Channel Math (each per 12), For Eurotherm Data Acquisition Unit	393.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4700	EA	Batch, For Eurotherm Data Acquisition Unit	590.33	
46 82 83 00-4701	EA	Screen Builder, For Eurotherm Data Acquisition Unit	327.96	
46 82 83 00-4702	EA	Advance Screen Builder, For Eurotherm Data Acquisition Unit	721.52	
46 82 83 00-4703	EA	Timers, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4704	EA	Viewing Bridge, For Eurotherm Data Acquisition Unit	511.62	
46 82 83 00-4705	EA	Full Configuration Bridge, For Eurotherm Data Acquisition Unit	773.99	
46 82 83 00-4706	EA	Auditor Features, For Eurotherm Data Acquisition Unit	1,574.22	
46 82 83 00-4707	EA	Circular Trend, Display, For Eurotherm Data Acquisition Unit	131.18	
46 82 83 00-4708	EA	Log Scales, For Eurotherm Data Acquisition Unit	327.96	
46 82 83 00-4709	EA	Modbus Master, For Eurotherm Data Acquisition Unit	524.74	
46 82 83 00-4710	EA	Review Full, For Eurotherm Data Acquisition Unit	773.99	
46 82 83 00-4711	EA	Security Manager, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4712	EA	Email, For Eurotherm Data Acquisition Unit	262.37	
46 82 83 00-4713	EA	CSV Output, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4714	EA	Portable Handle, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4715		**Elpro Systems Wireless** *(46 82 83 00-4670)*		
46 82 83 00-4716	EA	Telemetry Device With I/O, Elpro Systems 905U-1	4,060.91	
46 82 83 00-4717	EA	Telemetry Device With I/O, Elpro Systems 905U-2	4,218.33	
46 82 83 00-4718	EA	Telemetry Device With I/O, Elpro Systems 905U-3	4,218.33	
46 82 83 00-4719	EA	Telemetry Device With I/O, Elpro Systems 905U-4	4,060.91	
46 82 83 00-4720	EA	Telemetry Device Transmit Only, Elpro Systems 905U-K	2,696.58	
46 82 83 00-4721	EA	Telemetry Device With I/O, Elpro Systems 905U-C	4,192.09	
46 82 83 00-4722	EA	Telemetry Device, Elpro Systems 905U-G-MD1	4,920.90	
46 82 83 00-4723	EA	Telemetry Device, Elpro Systems 905U-G-PR1	5,603.06	
46 82 83 00-4724	EA	Telemetry Device, Elpro Systems 905U-G-ET1	6,049.09	
46 82 83 00-4725	EA	Serial Slave Device, Elpro Systems 105S-1	2,670.35	
46 82 83 00-4726	EA	Serial Slave Device, Elpro Systems 105S-2	3,031.83	
46 82 83 00-4727	EA	Serial Slave Device, Elpro Systems 105S-3	3,031.83	
46 82 83 00-4728	EA	Serial Slave Device, Elpro Systems 105S-4	2,848.18	
46 82 83 00-4729	EA	Modbus To Modbus, Elpro Systems 905U-D	3,346.68	
46 82 83 00-4730	EA	5 dB Collinear Antennae, Elpro Systems	456.24	
46 82 83 00-4731	EA	8 dB Collinear Antennae, Elpro Systems	692.37	
46 82 83 00-4732	EA	10dB Yagi Antennae, Elpro Systems	666.13	
46 82 83 00-4733	EA	15dB Yagi Antennae, Elpro Systems	1,085.93	
46 82 83 00-4734	EA	-2dB Dipole Whip Antennae, Elpro Systems	456.24	
46 82 83 00-4735	EA	Collinear Antennae Mounting Kit, Elpro Systems	141.39	
46 82 83 00-4736	EA	Yagi Antennae Mounting Kit, Elpro Systems	193.87	
46 82 83 00-4737	EA	110 Volt AC To 20 Volt DC, Power Pack, Elpro Systems	167.63	
46 82 83 00-4738	EA	Surge For Antennae, Elpro Systems	401.14	
46 82 83 00-4739	EA	Surge For Power, Elpro Systems	348.67	
46 82 83 00-4740		**Additional Controls And Accessories** *(46 82 83 00-0001)*		
46 82 83 00-4741		**Hach Controllers And Accessories** *(46 82 83 00-4740)*		
46 82 83 00-4742	EA	Hach SC 100 Controller (2) Sensors, Modbus Output, P/N LXV401.52.02002	4,170.84	44.46
46 82 83 00-4743	EA	Hach SC 1000 Probe Module - 4 Sensors, 4ma Output, 4ma/DigitIN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.1B572	5,328.95	44.46
46 82 83 00-4744	EA	Hach SC 1000 Probe Module - 6 Sensors, 4ma Output, 4ma/DigitIN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.5B532	5,549.66	44.46
46 82 83 00-4745	EA	Hach SC 1000 Display Module, P/N LXV402.99.00002 Note: Required for either the 4 or 6 channel Probe module.	5,943.96	44.46
46 82 83 00-4746		**Hach LDO Sensor And Accessories** *(46 82 83 00-4740)* Note: Requires SC100 or SC1000 controller		
46 82 83 00-4747	EA	Hach LDO Process Dissolved Oxygen Probe, P/N 5790000	3,838.53	44.46
46 82 83 00-4748	EA	Hach Pole Mount Kit, P/N LXV 57944-00	962.11	11.11
46 82 83 00-4749	EA	Digital Termination Box (Hach 5867000)	371.75	11.11
46 82 83 00-4750		**Hach pH/ORP Sensors And Accessories** *(46 82 83 00-4740)* Note: Requires SC100 or SC1000 controller		
46 82 83 00-4751	EA	Hach pH Digital Sensor - Wide Range, PEEK, Convertible Style, P/N DPD1P1	2,127.67	22.23
46 82 83 00-4752	EA	Hach ORP Digital Sensor, PEEK, Convertible Style, P/N DRD1P5	2,266.68	22.23
46 82 83 00-4753	EA	Hach 1" Handrail Mounting Kit For pH/ORP, P/N MH236B00Z	942.18	22.23
46 82 83 00-4754		**Hach Suspended Solids Sensors** *(46 82 83 00-4740)* Note: Requires SC100 or SC1000 controller		
46 82 83 00-4755	EA	Hach Solitax Sensor - Turbidity And Suspended Solids, TS-Line SC, Polyvinyl Chloride (PVC) With Wiper (0.001 To 4000 NTU, 0.001 mg/L to 50g/L), P/N LXV423.99.10100	9,102.92	44.46
46 82 83 00-4756	EA	Sensor Adapter, P/N AHA033NPT	282.24	11.11
46 82 83 00-4757		**Hach Sludge Level Monitor Sensor** *(46 82 83 00-4740)* Note: Requires SC100 or SC1000 controller		
46 82 83 00-4758	EA	Hach Sonatax SC Sludge Level Probe With Pivot Mount, P/N 5773000	6,723.81	44.46
46 82 83 00-4759		**Hach CL-17 Chlorine Monitor** *(46 82 83 00-4740)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4760	EA	Hach CL17 Total Residual Chlorine Analyzer, P/N 5440002	7,023.68	44.46
46 82 83 00-4761	EA	Hach Total Chlorine Reagents, P/N 2557000	124.31	
46 82 83 00-4762		**Sigma Open Channel Flow Meter** *(46 82 83 00-4740)*		
46 82 83 00-4763	EA	Hach Sigma 980 Permanent Flow Meter, P/N 9700400	4,093.96	44.46
46 82 83 00-4764		**Marsh McBirney Open Channel Flow Meter** *(46 82 83 00-4740)*		
46 82 83 00-4765	EA	Marsh McBirney Model 4000-600 Standard Sensor Cable Length of 30' Of Sensor Cable (Non I.S.)	11,873.63	44.46
46 82 83 00-4766	EA	Flo-Station With Display (Marsh McBirney Model 1204-20) Note: Includes (4) 4-20mA Outputs And Require Flo-Ware Software With Communication Cable, 120/240 Volt AC Powered	9,995.78	44.46
46 82 83 00-4767		**Scott Gas Detection Equipment** *(46 82 83 00-4740)*		
46 82 83 00-4768	EA	Quadscan II Remote Monitor (Scott Safety 7400-4-1-1) Note: 4 channels, no relay package, and no battery back-up.	3,694.10	44.46
46 82 83 00-4769		**Audio Visual Alarm Stations** *(46 82 83 00-4740)*		
46 82 83 00-4770	EA	Single Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV1-N4X, 978-13x000-0xx)	1,012.41	22.08
46 82 83 00-4771	EA	Dual Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV2-N4X, 978-23xx00-0xx)	1,321.42	22.08
46 82 83 00-4772	EA	120 Volt AC Replacement Strobe (Scott Safety 354-4950x6-120)	351.70	
46 82 83 00-4773	EA	24 Volt DC, Replacement Strobe (Scott Safety 354-4950x6-024)	310.49	
46 82 83 00-4774	EA	120 Volt AC Replacement Horn (Scott Safety 356-350003-120)	228.09	
46 82 83 00-4775	EA	240 Volt AC Replacement Horn (Scott Safety 356-350003-240)	289.89	
46 82 83 00-4776	EA	12 Volt DC, Replacement Horn (Scott Safety 356-450003-012)	289.89	
46 82 83 00-4777	EA	24 Volt DC, Replacement Horn (Scott Safety 356-450003-024)	310.49	
46 82 83 00-4778	EA	120 Volt AC Alone Horn With Back Box (Scott Safety 356-350WBO-120)	435.58	22.08
46 82 83 00-4779	EA	240 Volt AC Stand Alone Horn With Back Box (Scott Safety 356-350WBO-240)	435.58	22.08
46 82 83 00-4780	EA	12 Volt DC, Stand Alone Horn With Back Box (Scott Safety 356-450WBO-012)	476.78	22.08
46 82 83 00-4781	EA	24 Volt DC, Stand Alone Horn With Back Box (Scott Safety 356-350WBO-024)	476.78	22.08
46 82 83 00-4782	EA	Single Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-1Lx000-0Fx)	3,443.32	22.08
46 82 83 00-4783	EA	Dual Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-2Lx000-0Fx)	4,926.60	22.08
46 82 83 00-4784	EA	Class I, Division 2, Replacement Strobe (Scott Safety 354-1516x6-xxx) Note: Complete the part number using the information below: Position 8 (xxx-xxxx_x-xxx) Color of Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 10, 11, 12 (xxx-xxxxxx-_ _ _) Voltage: 120-120VAC, 240-240VAC	2,867.87	
46 82 83 00-4785	EA	Class I, Division 2, Replacement Horn (Scott Safety 356-35W006-xxx) Note: Complete the part number using the information below: Position 10, 11, 12 (xxx-xxxxxx-_ _ _) Voltage: 120-120VAC, 240-240VAC	2,613.68	
46 82 83 00-4786	EA	Single Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-1Lx000-03x) Note: Complete the part number using the information below: Position 6 (xxx-xx_xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear	8,889.36	22.08
46 82 83 00-4787	EA	Dual Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-2Lx000-03x) Note: Complete the part number using the information below: Position 6 (xxx-xx_xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 7 (xxx-xxx_xx-xxx) Color of 2nd Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 12 (xxx-xxxxxx-xx_) Voltage: 2-24 Volt DC, 3-120 Volt AC, 4-240 Volt AC	10,515.81	22.08
46 82 83 00-4788	EA	Class I, Division 2, Replacement Multitone Horn (Scott Safety 356-889321-MV0)	2,947.42	
46 82 83 00-4789	EA	Single Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-16x000-03x)	8,861.39	22.08
46 82 83 00-4790	EA	Dual Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-26xx00-03x)	12,672.57	22.08
46 82 83 00-4791		**Chessell Graphic Recorder** *(46 82 83 00-4740)* Note: Modbus master comms, ethernet comms, 96 math channels, 96M of internal memory, 2 serial ports, 3 relays outputs, bridge light and review light		
46 82 83 00-4792	EA	6 Input Channel Graphic Recorder With 6" Touchscreen Note: 6100A/U06/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	11,201.77	44.46
46 82 83 00-4793	EA	12 Input Channels Graphic Recorder With 6" Touchscreen Note: 6100A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	12,439.23	44.46
46 82 83 00-4794	EA	12 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	14,918.95	44.46
46 82 83 00-4795	EA	18 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U18/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	16,399.57	44.46
46 82 83 00-4796	EA	24 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U24/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	17,639.43	44.46
46 82 83 00-4797	EA	48 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U48/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	22,837.22	44.46
46 82 83 00-4798		**Switches, Transmitters And Wireless Devices** *(46 82 83 00-4740)*		
46 82 83 00-4799	EA	SixNet 5 Port Slimline Unmanaged Switch, Model SL-5ES-1	369.83	
46 82 83 00-4800	EA	SixNet 8 Port Slimline Unmanaged Switch, Model SL-8ES-1	610.58	
46 82 83 00-4801	EA	SixNet 5 Port Slimline Unmanaged Switch, 4 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model ET-5EB-2ST (SC)	1,118.56	
46 82 83 00-4802	EA	SixNet 5 Media Converter, 1 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model SL-2EB-3ST (SC)	1,031.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4803	EA	110 Volt AC Surge Protection, Model MA15/D/1/SI	275.93	
46 82 83 00-4804	EA	ModBus 900 MHz Radio Modem, Model 905U-D	1,874.51	
46 82 83 00-4805	EA	Ethernet 900 MHz Radio Modem, Model 905U-E	2,132.12	
46 82 83 00-4806	EA	Ethernet Gateway 900 MHz Radio Modem, Model 905U-G-ET1	5,088.53	
46 82 83 00-4807	EA	Wireless I/O With 2 AI, Model 905U-1	3,343.09	
46 82 83 00-4808	EA	Wireless I/O With 6 AI, Model 905U-2	3,535.69	
46 82 83 00-4809	EA	Wireless I/O With 8 AO, Model 905U-3	3,535.69	
46 82 83 00-4810	EA	Wireless I/O With 24 D I/O, Model 905U-4	3,343.09	
46 82 83 00-4811	EA	Ethernet 2.4 GHz Radio Modem (300mW), Model 240U-E	2,226.01	
46 82 83 00-4812	LF	LMR 240 Cable	4.54	
46 82 83 00-4813	LF	LMR 400 Cable	5.02	
46 82 83 00-4814	EA	Coaxial Cable Bulkhead Connection Kit	179.63	
46 82 83 00-4815	EA	900 MHz Band, 9 dBi Yagi Antenna, Model HG909Y-NF	383.35	
46 82 83 00-4816	EA	900 MHz Band, 8 dBi Omni Antenna, Model HG908U-Pro	455.58	
46 82 83 00-4817	EA	2.4 GHz Band, 9 dBi Yagi Antenna, Model HG2409Y	383.35	
46 82 83 00-4818	EA	2.4 GHz Band, 8 dBi Omni Antenna, Model HG2408U-Pro	455.58	
46 82 83 00-4819	EA	60 Degree Twist And Swivel Antenna Mounting Kit, Model HGX-PMT06	83.33	
46 82 83 00-4820	EA	Heavy-Duty Antenna Mounting Bolts And Bases (2), Model HGX-PMT11	95.37	
46 82 83 00-4821	EA	Antenna Surge Protector, Model AL-NMNFB-9	324.09	
46 82 83 00-4822	EA	RS232 To RS485 Converter, Model KD485-ADE	1,166.71	
46 82 83 00-4823	EA	QSC 2-Channel Amplifier, Model CX-602	4,826.11	
46 82 83 00-4824	EA	QSC 2-Channel Amplifier, Model CX-302	2,418.61	
46 82 83 00-4825	EA	SixNet Signal Convertor, Model ET-GT-ST-3	2,394.53	
46 82 83 00-4826	EA	Moore Industries Signal Isolator And Splitter, Model ECT	925.96	
46 82 83 00-4827	EA	Atlas Bidirectional Wall Mounted Horn, VT-22	372.23	

46 82 83 00-4828 Foxboro Devices *(46 82 83 00-4740)*

46 82 83 00-4829	EA	Foxboro Eycon With 12" Screen And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-1N101SL0EF0XX0	14,413.54	
46 82 83 00-4830	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-2N101SL0EF0XX0	15,256.17	
46 82 83 00-4831	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-3N101SL0EF0XX0	16,459.92	
46 82 83 00-4832	EA	Foxboro Eycon With 12" Screen, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-1N201SL0EF0XX0	16,098.80	
46 82 83 00-4833	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-2N201SL0EF0XX0	16,700.67	
46 82 83 00-4834	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-3N201SL0EF0XX0	17,904.42	
46 82 83 00-4835	EA	Foxboro 2 Channel 0-10 Volt Input Module With Termination Assembly, Model AI2/DCTA	793.55	
46 82 83 00-4836	EA	Foxboro 3 Channel 4-20mA Input Module With Termination Assembly, No Disconnects, Model AI3/TA	872.99	
46 82 83 00-4837	EA	Foxboro 4 Channel T/C Module With Termination Assembly, Model AI4/TCTA	1,058.37	
46 82 83 00-4838	EA	Foxboro 4 Channel Relay Output Module With Termination Assembly, Fuses Fitted, Model RLY4/TA	641.87	
46 82 83 00-4839	EA	Foxboro 8 Channel Contact Closure Digital Input Module With Termination Assembly, No Disconnects, Model DI8/TA	507.05	
46 82 83 00-4840	EA	Foxboro 6 Channel 110 Volt AC Digital Input Module With Termination Assembly, No Disconnects, Model DI6/TA	507.05	
46 82 83 00-4841	EA	Foxboro 2 Channel Analog Output Module With Termination Assembly, No Disconnects, Model AO2/TA	1,094.49	
46 82 83 00-4842	EA	Foxboro 2 Module Remote Rack, Model 2500B/2way	225.38	
46 82 83 00-4843	EA	Foxboro 4 Module Remote Rack, Model 2500B/4way	271.12	
46 82 83 00-4844	EA	Foxboro 8 Module Remote Rack, Model 2500B/8way	410.75	
46 82 83 00-4845	EA	Foxboro 10 Module Remote Rack, Model 2500B/10way	584.09	
46 82 83 00-4846	EA	Foxboro 12 Module Remote Rack, Model 2500B/12way	617.80	
46 82 83 00-4847	EA	Foxboro 0 Way T2550 Rack, Model 255BF-R040NONCDM	516.69	
46 82 83 00-4848	EA	Foxboro 4 Way T2550 Rack, Model 255BF-R04RNONCDM	516.69	
46 82 83 00-4849	EA	Foxboro 6 Way T2550 Rack, Model 255BF-R06RNONCDM	637.06	
46 82 83 00-4850	EA	Foxboro 8 Way T2550 Rack, Model 255BF-R08RNONCDM	757.43	
46 82 83 00-4851	EA	Foxboro 16 Way T2550 Rack, Model 255BF-R16RNONCDM	1,166.71	
46 82 83 00-4852	EA	Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMMOD0	2,164.91	
46 82 83 00-4853	EA	Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMMOD0	2,670.48	
46 82 83 00-4854	EA	Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMMOD0	3,200.13	
46 82 83 00-4855	EA	Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMSER0	3,055.68	
46 82 83 00-4856	EA	Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMSER0	3,392.73	
46 82 83 00-4857	EA	Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMSER0	3,922.38	
46 82 83 00-4858	EA	Foxboro Simplex Processor TA With Battery, Model T255F-IOC-S-RJ45-OB1	167.60	
46 82 83 00-4859	EA	Foxboro Redundant Processor TA Without Battery, Model T255TF-IOC-R-RJ45-NON	215.75	
46 82 83 00-4860	EA	Foxboro Remote I/O Processor With Modbus Comms And Termination Assembly, Model 2500M/UW/TA	1,129.68	

46 82 83 00-4861 Eurotherm Devices *(46 82 83 00-4740)*

46 82 83 00-4862	EA	Eurotherm 1/8" Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/4XL	1,141.72	
46 82 83 00-4863	EA	Eurotherm 1/8" DIN Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/XXX	876.89	
46 82 83 00-4864	EA	Eurotherm 2500 Analog Output Card, Model AO-2	362.61	

46 82 83 00-4865 M-System Devices *(46 82 83 00-4740)*

46 82 83 00-4866	EA	M-System 4-20 mA Signal Splitter, Model W5VS-AAA-M	600.03	
46 82 83 00-4867	EA	M-System Slimline 4-20 mA Signal Splitter, Model M6DWVS-AAA-R	720.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4868	EA	M-System Alarm Unit, 4-20mA Input, High And Low Relay Outputs Both Alarm Levels Settable From Front Of Unit, Model M2SED-A13-R/UL	672.25	

46 82 83 00-4869 Licenses *(46 82 83 00-4740)*

46 82 83 00-4870	EA	Iconic Genesis 32-75 V9 License With One Year Of Support, Model Gen32V9-75	3,972.38	
46 82 83 00-4871	EA	Iconic Genesis 32-150 V9 License With One Year Of Support, Model Gen32V9-150	6,090.98	
46 82 83 00-4872	EA	Iconic Genesis 32-300 V9 License With One Year Of Support, Model Gen32V9-300	9,268.88	
46 82 83 00-4873	EA	Iconic Genesis 32-500 V9 License With One Year Of Support, Model Gen32V9-500	11,917.12	
46 82 83 00-4874	EA	Iconic Genesis 32-1500 V9 License With One Year Of Support, Model Gen32V9-1500	15,889.50	
46 82 83 00-4875	EA	Iconic WebHMI With 2 Client Licenses With One Year Of Support, Model WebHMIV9	6,620.62	
46 82 83 00-4876	EA	Iconic WebHMI With 5 Client Licenses With One Year Of Support, Model WebHMIV9-5pack	7,944.75	
46 82 83 00-4877	EA	ModBus RTU And TCP OPC Server	2,154.71	

46 82 91 Water Treatment Devices *(46 82)*

46 82 91 00-0001 Water Treatment Devices (REXA) *(46 82 91)*

Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.

46 82 91 00-0002 Gate Applications (REXA) *(46 82 91 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 82 91 00-0003	EA	Up To 3', Stroke Gate (REXA-DEP-Gate-36)	74,048.05	972.27
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*46,867.28*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0004	EA	3' To 4', Stroke Gate (REXA-DEP-Gate-48)	95,204.64	1,250.06
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*60,257.92*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0005	EA	4' To 5', Stroke Gate (REXA-DEP-Gate-60)	126,939.51	1,666.76
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*80,343.90*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0006	EA	5' To 6', Stroke Gate (REXA-DEP-Gate-72)	158,674.38	2,083.44
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*100,429.88*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0007	EA	6' To 7', Stroke Gate (REXA-DEP-Gate-84)	190,409.26	2,500.14
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*120,515.85*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0008	EA	7' To 8', Stroke Gate (REXA-DEP-Gate-96)	222,144.14	2,916.82
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*140,601.82*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0009	EA	8' To 9', Stroke Gate (REXA-DEP-Gate-108)	253,879.02	3,333.51
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*160,687.80*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0010	EA	9' To 10', Stroke Gate (REXA-DEP-Gate-120)	285,613.90	3,750.20
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*180,773.78*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0011	EA	10' To 12', Stroke Gate (REXA-DEP-Gate-144)	317,348.78	4,166.88
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*200,859.75*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	

46 82 91 00-0012 Valve Applications (REXA) *(46 82 91 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 82 91 00-0013	EA	Small Air Valve (REXA-DEP-VLV-SM1)	27,503.56	361.13
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*24,103.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0014	EA	Medium Air Valve (REXA-DEP-VLV-SM2)	31,734.88	416.68
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*27,811.35*	
46 82 91 00-0015	EA	Large Air Valve (REXA-DEP-VLV-SM3)	42,313.17	555.59
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*30,901.50*	
46 82 91 00-0016	EA	Small Water/Sludge Valve (REXA-DEP-VLV-MD1)	52,891.46	694.48
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*33,476.62*	
46 82 91 00-0017	EA	Medium Water/Sludge Valve (REXA-DEP-VLV-MD2)	63,469.76	833.38
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*35,746.20*	
46 82 91 00-0018	EA	Large And Slow Water/Sludge Valve (REXA-DEP-VLV-MD3-A)	95,204.64	1,250.06
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*44,682.75*	
46 82 91 00-0019	EA	Large And Fast Water/Sludge Valve (REXA-DEP-VLV-MD3-B)	126,939.51	1,666.76
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*59,577.00*	
46 82 91 00-0020	EA	Small And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-A)	158,674.38	2,083.44
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*61,803.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0021	EA	Small And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-B)	190,409.26	2,500.14
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*74,163.60*	
46 82 91 00-0022	EA	Medium And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG2-A)	243,300.73	3,194.61
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*71,073.45*	
46 82 91 00-0023	EA	Medium And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG3-B)	264,457.31	3,472.41
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*74,471.25*	

46 82 91 00-0024 Cone Valve Applications (REXA) *(46 82 91 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 82 91 00-0025	EA	5 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-5)	52,891.46	694.48
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*25,751.25*	
46 82 91 00-0026	EA	2 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-2)	63,469.76	833.38
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*30,901.50*	
46 82 91 00-0027	EA	5 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-5)	74,048.05	972.27
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*36,051.75*	
46 82 91 00-0028	EA	2 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-2)	84,626.34	1,111.17
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*41,202.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0029	EA	5 Seconds Per Inch, Large, 16" Stroke Cone Valve (REXA-DEP-Cone-16B-5)	95,204.64	1,250.06
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*46,352.25*	
46 82 91 00-0030	EA	5 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-5)	105,782.93	1,388.96
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*51,502.50*	
46 82 91 00-0031	EA	2 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-2)	126,939.51	1,666.76
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*61,803.00*	

46 86 Sludge Treatment and Handling Equipment for Water Treatment Systems *(46 80)*

46 86 29 Sludge Control Systems *(46 86)*

46 86 29 00-0001 Sludge Level Control Systems, Model 4900SI *(46 86 29)*

46 86 29 00-0002	EA	Sludge Level Control System, Model 4900SL, 2" Or 4" Probe	2,895.76	234.42
46 86 29 00-0003	EA	Sludge Level Control System, Model 4900SL, 6" Or 12"Probe	2,959.70	234.42

46 86 29 00-0004 Sludge Density Controllers, Model 494T *(46 86 29)*

46 86 29 00-0005	EA	Sludge Density Control System, 484T, 4" Pipe Line	4,451.87	351.64
46 86 29 00-0006	EA	Sludge Density Control System, 484T, 6" Pipe Line	4,874.24	468.85
46 86 29 00-0007	EA	Sludge Density Control System, 484T, 8" Pipe Line	5,526.97	468.85

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